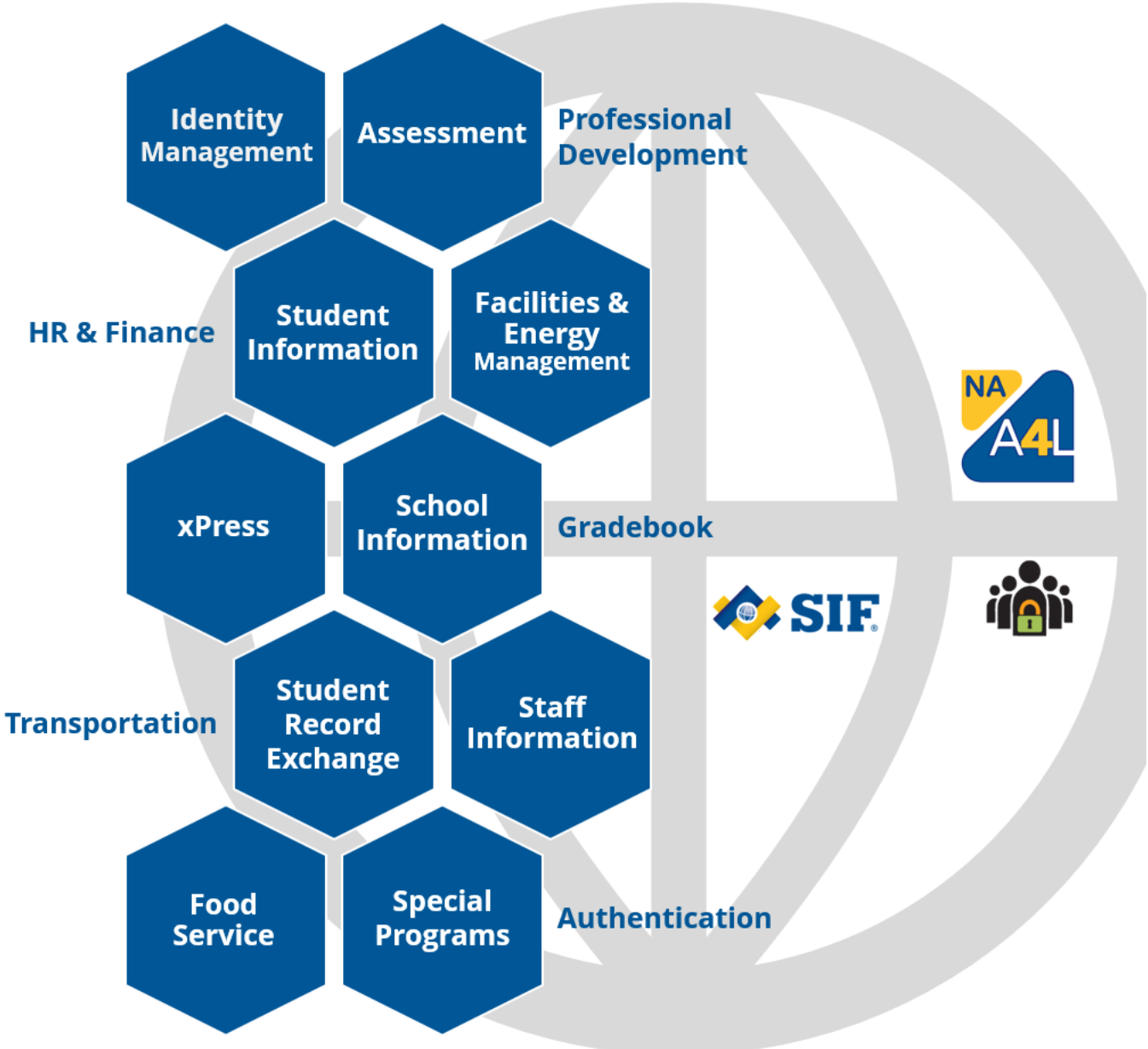
SIF Specifications

Access 4 Learning® Community Unity Data Model

SIF® Data Model Implementation Specification (NA) 4.3

October 27, 2022



This version:
http://specification.sifassociation.org/Implementation/NA/4.3/
Latest version:

http://specification.sifassociation.org/Implementation/NA/

API Documentation
- Data Model Services

XML Schemas
- Schema_NoIncludes_Strict (single file, non-annotated, primary) (ZIP archive)
- Schema_NoIncludes_Annotated_Strict (single file, annotated) (ZIP archive)
- Schema_Strict (includes, non-annotated) (ZIP archive)
- Schema_Annotated_Strict (includes, annotated) (ZIP archive)
- Schema_NoIncludes_Lax (single file, non-annotated) (ZIP archive)
- Schema_NoIncludes_Annotated_Lax (single file, annotated) (ZIP archive)
- Schema_Lax (includes, non-annotated) (ZIP archive)
- Schema_Annotated_Lax (includes, annotated) (ZIP archive)

JSON Support
- PESC Compliant JSON - Conversion Scripts
- OpenAPI & JSON Schemas Files Archive

This document is also available in these non-normative formats: ZIP archive, PDF (for printing as a single file), Excel spreadsheet.

Summaries of the changes in this release and errata since its release can be found with the Background Supplementary Documentation

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1 Preamble

1.1 Abstract

1.1.1 What is SIF?

SIF is not a product, but a technical blueprint for enabling diverse applications to interact and share data related to entities in the pK-12 instructional and administrative environment. SIF is designed to:

- Facilitate data sharing and reporting between applications without incurring expensive customer development costs;
- Enhance product functionality efficiently; and
- Provide best-of-breed solutions to customers easily and seamlessly.

The SIF Implementation Specification defines common data formats and rules of interaction and architecture, and is made up of two parts:

- 1. The *SIF Infrastructure* Implementation Specification which defines the rules of interaction and messages framework, and;
- 2. The *SIF Data Model* Implementation Specification which is an XML-based data model, (with support for JSON translation), that models entities in the learning environment as SIF Data Objects to be shared between applications.

SIF Infrastructure defines;

- a secure REST-based transport protocol for defining both direct and brokered connections between software applications (which can act as REST servers or clients)
- a set of services to enable interactions between REST servers and clients, including creating environments, other administrative task, synchronous exchanges of data, and asynchronous message queues
- an abstract, platform-independent definition of the API between one software application and another or a broker.

- A *SIF Environment* is a distributed system that consists of one or more software applications with a SIF Adapter (a SIF-enabled application) sharing/reporting one or more SIF data objects over a network; it may also involve middleware (a message broker). A *SIF Implementation* consists of one or more SIF Environments deployed and configured to meet customer data sharing and reporting needs.
- The SIF Implementation Specification defines architecture requirements and communication protocols for software components and the interfaces between them; it makes no assumption of specific hardware or software products needed to develop SIF-enabled applications and/or middleware implementations, other than their ability to support technologies leveraged as the foundation for SIF, most prominently XML and HTTP(S) and including JSON and REST.

1.1.2 SIF Association

The Schools Interoperability Framework Association (SIF Association); also known as; the Systems Interoperability Framework Association outside North America, doing business as Access 4 Learning (A4L) Community, is an industry initiative to enable interoperability and data sharing between software applications in the pK-12 instructional and administrative environment, and the forum for companies and educators to participate in the development of SIF specifications in the SIF Association's working groups and task forces. The SIF Association is designed to:

- Join industry leaders in creating the next-generation framework for education technology; and
- Leverage co-marketing opportunities with partners and distributors.

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A.346 iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementCriterionMetricType

A.347 iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementCriterionType

A.348 iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementType

A.349 iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveType

A.350 iepPlanAnnualGoalMeasurableObjectiveListType

A.351 iepPlanAnnualGoalMeasurableObjectiveMeasurementCriterionMetricTrialCountEvaluationType

A.352 iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataNamesType

A.353 iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataValuesListDataValueType

A.354 iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataValuesListType

A.355 iepPlanAnnualGoalProgressReportListProgressReportMeasurementType

A.356 iepPlanAnnualGoalProgressReportListProgressReportType

A.357 iepPlanAnnualGoalProgressReportListType

A.358 iepPlanAnnualGoalServicesListServiceFrequencyCycleType

A.359 iepPlanAnnualGoalServicesListServiceFrequencyDurationType

A.360 iepPlanAnnualGoalServicesListServiceFrequencyType

A.361 iepPlanAnnualGoalServicesListServiceType

A.362 iepPlanAnnualGoalServicesListType

A.363 iepPlanAnnualGoalType

A.364 iepPlanCommonAuthorizationParentGuardianAuthorizationRejectedPlanElementsRejectedDetailListType

A.365 iepPlanCommonAuthorizationParentGuardianAuthorizationRejectedPlanElementsType

A.366 iepPlanCommonAuthorizationParentGuardianAuthorizationType

A.367 iepPlanCommonAuthorizationType

A.368 iepPlanEnrollmentGradeLevelType

A.369 iepPlanPlacementLeastRestrictiveEnvironmentType

A.370 iepPlanPlacementScheduleModificationSchoolDayType

A.371 iepPlanPlacementScheduleModificationSchoolYearType

A.372 iepPlanPlacementScheduleModificationType

A.373 iepPlanPlacementTransportationInsideSchoolType

A.374 iepPlanPlacementTransportationOutsideSchoolType

A.375 iepPlanPlacementTransportationType

A.376 iepPlanPlacementType

A.377 iepPlanPresentLevelPerformanceAcademicDeficitListDeficitType

A.378 iepPlanPresentLevelPerformanceAcademicDeficitListType

A.379 iepPlanPresentLevelPerformanceAcademicSummaryAccommodationListAccommodationType

A.380 iepPlanPresentLevelPerformanceAcademicSummaryAccommodationListType

A.381 iepPlanPresentLevelPerformanceAcademicSummaryType

A.382 iepPlanPresentLevelPerformanceAcademicType

A.383 iepPlanPresentLevelPerformanceConsequenceOfDisabilitySpecialCategoryListSpecialCategoryType

A.384 iepPlanPresentLevelPerformanceConsequenceOfDisabilitySpecialCategoryListType

A.385 iepPlanPresentLevelPerformanceConsequenceOfDisabilityType

A.386 iepPlanPresentLevelPerformanceFunctionalDisabilityListDisabilityType

A.387 iepPlanPresentLevelPerformanceFunctionalDisabilityListType

A.388 iepPlanPresentLevelPerformanceFunctionalSummaryAccommodationListAccommodationType

A.389 iepPlanPresentLevelPerformanceFunctionalSummaryAccommodationListType

A.390 iepPlanPresentLevelPerformanceFunctionalSummaryType

A.391 iepPlanPresentLevelPerformanceFunctionalType

A.392 iepPlanPresentLevelPerformancePersonalConcernsType

A.393 iepPlanPresentLevelPerformancePersonalEvaluationNeedsListType

A.394 iepPlanPresentLevelPerformancePersonalEvaluationPerformanceTestResultListType

A.395 iepPlanPresentLevelPerformancePersonalEvaluationPerformanceType

A.396 iepPlanPresentLevelPerformancePersonalEvaluationPersonalGoalsListPersonalGoalType

A.397 iepPlanPresentLevelPerformancePersonalEvaluationPersonalGoalsListType

A.398 iepPlanPresentLevelPerformancePersonalEvaluationType

A.399 iepPlanPresentLevelPerformancePersonalIntentionDesiredOutcomeListDesiredOutcomeType

A.400 iepPlanPresentLevelPerformancePersonalIntentionDesiredOutcomeListType

A.401 iepPlanPresentLevelPerformancePersonalIntentionType

A.402 iepPlanPresentLevelPerformancePersonalType

A.403 iepPlanPresentLevelPerformanceType

A.404 iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListAccommodationAchievementStandardT

A.405 iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListAccommodationType

A.406 iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListType

A.407 iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultStandardsReferenceType

A.408 iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultType

A.409 iepPlanStandardizedAssessmentResultListType

A.410 iepPlanType

A.411 iepProgramTypeType

A.412 iepRoleType

A.413 iepStandardPurposeType

A.414 iepStatusType

A.415 iepSubjectType

A.416 iepTransmitPermissionDestinationType

A.417 iepTransmitPermissionJustificationType

A.418 iepTransmitPermissionListType

A.419 iepTransmitPermissionPurposeType

A.420 iepTransmitPermissionType

A.421 iepTypeType

A.422 ImmigrantType

A.423 IncidentActionArrestType

A.424 IncidentActionListType

A.425 IncidentActionPoliceNotificationType

A.426 IncidentActionType

A.427 IncidentCategoryContainerType

A.428 IncidentLocationType

A.429 IncidentReporterType

A.430 IncidentTimeType

A.431 InstructionalDeliveryModeListType

A.432 instructionalDeliveryModeType

A.433 InstructionalDeliveryModeType

A.434 InstructionalLevelType

A.435 InstructionalStrategiesType

A.436 InterestLevelsType

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A.438 Intervention2Type

A.439 InterventionFrequencyTimeType

A.440 InterventionListType

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A.442 InterventionProviderNameType

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A.444 ItemCharacteristicsChoiceType

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A.446 ItemCharacteristicsDifferentialItemAnalysisType

A.447 ItemCharacteristicsMeasurementListType

A.448 ItemCharacteristicsMeasurementType

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A.450 JobFunctionType

A.451 JobTitleListType

A.452 JobTitleType

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A.454 LanguageContainerType

A.455 LanguageListType

A.456 LanguageOfInstructionType

A.457 LastNameType

A.458 LEAContactListType

A.459 LEAContactType

A.460 LEAInfoSummaryCleanType

A.461 LEAInfoSummaryType

A.462 LEAInfoTitleIIILanguageInstructionProgramTypeType

A.463 LEAInfoTitleIProgramTypeType

A.464 LEANameType

A.465 LearningObjectiveListType

A.466 LearningObjectivesType

A.467 LearningResourceComponentListType

A.468 LearningResourceComponentStrategyListType

A.469 LearningResourceComponentStrategyType

A.470 LearningResourceComponentType

A.471 LearningResourceContactListType

A.472 LearningResourceContactType

A.473 LearningResourceEvaluationListType

A.474 LearningResourceEvaluationType

A.475 LearningResourceLocationType

A.476 LearningResourceRefIdListType

A.477 LearningStandardDocumentDocumentStatusType

A.478 LearningStandardDocumentRefIdListType

A.479 LearningStandardItemListType

A.480 LearningStandardItemRefIdListType

A.481 LearningStandardItemRefType

A.482 LearningStandardItemsType

A.483 LearningStandardListType

A.484 LearningStandardType

A.485 LeastRestrictiveEnvironmentType

A.486 LessonSourceAuthorType

A.487 LessonSourceListType

A.488 LessonSourceType

A.489 LessonStrategyListType

A.490 LibraryItemInfoType

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A.492 LibraryMessageType

A.493 LibraryTransactionListType

A.494 LibraryTransactionType

A.495 LifeCycleType

A.496 LocalIdType

A.497 LocationOfInstructionType

A.498 LocationType

A.499 ManifestationDeterminationDueToDisabilityType

A.500 ManifestationDeterminationType

A.501 MarkInfoListType

A.502 MarkingPeriodMarkDataType

A.503 MarkingPeriodSummaryType

A.504 MarkingPeriodTermInfoDataType

A.505 MarkingSystemsType

A.506 MarkValueInfo2Type

A.507 MarkValueLetterCleanType

A.508 MarkValueLetterType

A.509 MarkValueNarrativeCleanType

A.510 MarkValueNarrativeType

A.511 MarkValueNumberCleanType

A.512 MarkValueNumberType

A.513 MarkValuePercentageCleanType

A.514 MarkValuePercentageType

A.515 MealPriceListType

A.516 MealPriceType

A.517 MealStatusListType

A.518 MealStatusType

A.519 MealType

A.520 MediaTypeListType

A.521 MediaTypesType

A.522 MedicalAlertMessagesType

A.523 MedicalAlertMessageType

A.524 MediumOfInstructionType

A.525 MeetingTimeListType

A.526 MeetingTimeType

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A.528 MenuPlanQuantityType

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A.530 MigrantType

A.531 MilkSaleQuantityListType

A.532 MilkSaleQuantityType

A.533 MinSecDurationType

A.534 ModificationHistoryType

A.535 ModifiedType

A.536 MonetaryAmountType

A.537 MsgIdType

A.538 MultipleIntelligencesType

A.539 NameOfRecordType

A.540 NamesType

A.541 NameType

A.542 NCESIdType

A.543 NeglectedDelinquentType

A.544 NeglectedOrDelinquentParticipationListType

A.545 NeglectedOrDelinquentParticipationType

A.546 NeverShareWithListType

A.547 NeverShareWithType

A.548 NonpromotionType

A.549 ObjectNameType

A.550 ObjectType

A.551 OffenderListType

A.552 OffenderType

A.553 OldAddressType

A.554 OldFundingSourceType

A.555 OnTimeGraduationYearType

A.556 OperationalStatusType

A.557 OrganizationListType

A.558 OrganizationRelationshipType

A.559 OriginPointType

A.560 OtherCodeListType

A.561 OtherIdListType

A.562 OtherIdType

A.563 OtherLEAListType

A.564 OtherNamesType

A.565 OtherNameType

A.566 OtherStudentRecordListType

A.567 PartCTransitionMeetingNotHeldReasonListType

A.568 PartCTransitionMeetingNotHeldReasonType

A.569 PartCTransitionMeetingOutcomeListType

A.570 PartCTransitionMeetingOutcomeType

A.571 PartialDateType

A.572 PasswordListType

A.573 PasswordType

A.574 PayRateListType

A.575 PayRateType

A.576 PerformanceIndicatorListType

A.577 PerformanceLevelListType

A.578 PerformanceLevelType

A.579 PeriodType

A.580 PermissionToParticipateListType

A.581 PermissionToParticipateType

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A.583 PersonInfoType

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A.585 PhoneNumberType

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A.588 PrimaryAssignmentType

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A.590 ProgramAvailabilityListType

A.591 ProgramAvailabilityType

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A.593 ProgramFundingSourceListType

A.594 ProgramFundingSourceType

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A.596 ProgramStatusType

A.597 ProgramTypeType

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A.599 PromotionInfoType

A.600 PromotionType

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A.603 PurchasingItemType

A.604 RaceCodeType

A.605 RaceListType

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A.608 ReferenceType

A.609 ReferralSourceType

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A.612 RegionOrganizationType

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A.614 RelatedLearningStandardItemRefIdType

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A.617 RemoteLearningLocationProfileInternetAccessBarrierType

A.618 RemoteLearningLocationProfileInternetAccessType

A.619 RemoteLearningLocationProfileInternetAccessTypeType

A.620 RemoteLearningLocationProfileInternetPerformanceType

A.621 RemoteLearningLocationProfileListType

A.622 RemoteLearningLocationProfilePrimaryIndicatorType

A.623 RemoteLearningLocationProfilePrimaryLearningDeviceAccessType

A.624 RemoteLearningLocationProfilePrimaryLearningDeviceProviderType

A.625 RemoteLearningLocationProfilePrimaryLearningDeviceType

A.626 RemoteLearningLocationProfileType

A.627 ReportDataObjectType

A.628 ReportFormatListType

A.629 ReportFormatType

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A.631 ReportingPeriodType

A.632 ReportPackageType

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A.635 ResourceTypesType

A.636 ResponsableLEAListType

A.637 ResponsableLEAType

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A.639 ResponsableSchoolType

A.640 ResponseToInterventionMeasurementListType

A.641 ResponseToInterventionMeasurementType

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A.643 RightsElementsType

A.644 RightsElementType

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A.646 RoomListType

A.647 SCEDCodeCourseLevelType

A.648 SCEDCodeType

A.649 ScheduleInfoListType

A.650 ScheduleInfoOverrideListType

A.651 ScheduleInfoOverrideType

A.652 ScheduleInfoType

A.653 SchoolAccountabilityHighSchoolGraduationRateIndicatorStatusType

A.654 SchoolAccountabilityPersistentlyDangerousStatusType

A.655 SchoolAccountabilityProficiencyTargetStatusForMathType

A.656 SchoolAccountabilityProficiencyTargetStatusForReadingAndLanguageArtsType

A.657 SchoolAccountabilityReconstitutedStatusType

A.658 SchoolAccountabilitySchoolImprovementFundsStatusType

A.659 SchoolAccountabilitySchoolOperationalStatusType

A.660 SchoolAttendanceHistoryListType

A.661 SchoolAttendanceHistoryType

A.662 SchoolCharterManagementOrganizationTypeType

A.663 SchoolCharterType

A.664 SchoolContactListType

A.665 SchoolContactType

A.666 SchoolCourseInfoCTEConcentratorType

A.667 SchoolCourseInfoDualCreditType

A.668 SchoolCourseInfoGraduationRequirementType

A.669 SchoolCourseInfoOverrideType

A.670 SchoolCourseInfoSummaryType

A.671 SchoolDesignationListType

A.672 SchoolFederalFundSchoolImprovementGrantInterventionTypeType

A.673 SchoolFocusListType

A.674 SchoolInfoMediumSummaryType

A.675 SchoolInfoMiniSummaryType

A.676 SchoolInfoNationalSchoolLunchProgramStatusType

A.677 SchoolInfoSchoolImprovementStatusType

A.678 SchoolInfoSchoolTypeType

A.679 SchoolInfoSessionTypeType

A.680 SchoolInfoSharedTimeIndicatorType

A.681 SchoolInfoStatePovertyDesignationType

A.682 SchoolInfoSummaryType

A.683 SchoolInfoTitle1StatusType

A.684 SchoolInfoTitleIProgramTypeType

A.685 SchoolInfoVirtualSchoolStatusType

A.686 SchoolNameType

A.687 SchoolURLType

A.688 SchoolYearType

A.689 ScoreRangeType

A.690 SEAContactListType

A.691 SEAContactType

A.692 Section504Type

A.693 SectionInfoCountForAttendanceType

A.694 SelectedContentType

A.695 ServiceFundingSourceListType

A.696 ServiceNameType

A.697 ServiceProviderTypeType

A.698 ServiceSettingType

A.699 SessionDurationType

A.700 SettingLocationListType

A.701 SettingLocationType

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A.704 SIF_ExtendedElementsType

A.705 SIF_ExtendedElementType

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A.709 SoftwareRequirementType

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A.713 SpanGapsType

A.714 SpanGapType

A.715 SpecialConditionActionListType

A.716 SpecialEductionType

A.717 SSNType

A.718 StaffAssignmentItinerantTeacherType

A.719 StaffListType

A.720 StaffParametersType

A.721 StaffPersonalDataSummary2Type

A.722 StaffPersonalDataSummaryType

A.723 StandardHierarchyLevelType

A.724 StandardIdentifierType

A.725 StandardsSettingBodyType

A.726 StateCourseCodeType

A.727 StateJobTitleListType

A.728 StateJobTitleType

A.729 StatementCodeListType

A.730 StatementListType

A.731 StateProvinceIdType

A.732 StateProvinceType

A.733 StreetType

A.734 StudentActivityTypeType

A.735 StudentAttendanceAuditInfoType

A.736 StudentCareerTechnicalDisplacedHomemakerType

A.737 StudentCareerTechnicalNontraditionalGenderStatusType

A.738 StudentCareerTechnicalParticipantType

A.739 StudentCareerTechnicalSingleParentOrSinglePregnantWomanType

A.740 StudentContactPersonalOptOutEmailType

A.741 StudentContactsSummaryType

A.742 StudentContactSummaryType

A.743 StudentEntryTypeType

A.744 StudentExitStatusType

A.745 StudentExitTypeType

A.746 StudentGradeGradeType

A.747 StudentLEARelationship2Type

A.748 StudentLEARelationshipNonResidentAttendReasonType

A.749 StudentMigrantContinuationOfServicesReasonType

A.750 StudentMigrantContinuationOfServicesStatusType

A.751 StudentMigrantEnrollmentTypeType

A.752 StudentMigrantParticipationStatusType

A.753 StudentMigrantPrioritizedForServicesType

A.754 StudentMostRecentContainerType

A.755 StudentParametersType

A.756 StudentParticipationCommonReasonNotCompletingType

A.757 StudentParticipationCommonReasonNotTestedType

A.758 StudentParticipationCommonType

A.759 StudentParticipationDataManagingSchoolType

A.760 StudentParticipationDataType

A.761 StudentParticipationManagingSchoolType

A.762 StudentParticipationNeglectedOrDelinquentAcademicOutcomeIndicatorType

A.763 StudentParticipationNeglectedOrDelinquentAchievementIndicatorType

A.764 StudentParticipationPerkinsLEPStatusType

A.765 StudentParticipationTitleIIIAccountabilityProgressStatusType

A.766 StudentParticipationTitleIIIImmigrantParticipationStatusType

A.767 StudentPersonalDataDemographicDataType

A.768 StudentPersonalDataOtherIdListType

A.769 StudentPersonalDataOtherIdType

A.770 StudentPersonalDataType

A.771 StudentPersonalEconomicDisadvantageType

A.772 StudentPersonalELLType

A.773 StudentPersonalGiftedTalentedType

A.774 StudentPersonalHomelessServicedIndicatorType

A.775 StudentPersonalHomelessType

A.776 StudentPersonalIDEAType

A.777 StudentPersonalImmigrantType

A.778 StudentPersonalMigrantType

A.779 StudentPersonalNeglectedDelinquentType

A.780 StudentPersonalRefIdListType

A.781 StudentPersonalSection504Type

A.782 StudentPersonalTitle1Type

A.783 StudentPersonalVocationalConcentratorType

A.784 StudentPlacementDataSchoolWhereServiceDeliveredType

A.785 StudentPlacementDataServicingSchoolType

A.786 StudentPlacementProgramFundingSourceListType

A.787 StudentPlacementSchoolWhereServiceDeliveredType

A.788 StudentPlacementServiceFundingSourceListType

A.789 StudentPlacementServiceFundingSourceType

A.790 StudentPlacementServiceType

A.791 StudentPlacementServicingSchoolType

A.792 StudentProgramAccommodationAccommodationListType

A.793 StudentProgramAccommodationAccommodationType

A.794 StudentProgramAccommodationListType

A.795 StudentProgramAccommodationType

A.796 StudentProgramAssociationExitStatusType

A.797 StudentProgramAssociationExitTypeType

A.798 StudentProgramAssociationPlacementTypeType

A.799 StudentProgramAssociationYearGroupType

A.800 StudentProgramTypeType

A.801 StudentRecordPackageAbstractContentPackageType

A.802 StudentRecordsType

A.803 StudentResponseSetItemListType

A.804 StudentResponseSetItemType

A.805 StudentSchoolEnrollmentAdvisorType

A.806 StudentSchoolEnrollmentCalendarType

A.807 StudentSchoolEnrollmentCounselorType

A.808 StudentSchoolEnrollmentDataType

A.809 StudentSchoolEnrollmentFTPTStatusType

A.810 StudentSchoolEnrollmentNonResidentAttendReasonType

A.811 StudentSchoolEnrollmentSummaryListType

A.812 StudentSchoolEnrollmentSummaryType

A.813 StudentSchoolRelationshipNonResidentAttendReasonType

A.814 StudentSchoolRelationshipResidencyStatusType

A.815 StudentSchoolRelationshipType

A.816 StudentScoreSetScoreListType

A.817 StudentScoreSetScoreType

A.818 StudentSectionEnrollmentCTEConcentratorType

A.819 StudentSectionMarkListType

A.820 StudentSectionMarkType

A.821 StudentSnapshotEconomicDisadvantageType

A.822 StudentSnapshotELLType

A.823 StudentSnapshotFreeAndReducedStatusType

A.824 StudentSnapshotGenderType

A.825 StudentSnapshotGiftedTalentedType

A.826 StudentSnapshotGraduationAwardType

A.827 StudentSnapshotGraduationOnTimeType

A.828 StudentSnapshotHomelessType

A.829 StudentSnapshotIDEAType

A.830 StudentSnapshotImmigrantType

A.831 StudentSnapshotMigrantType

A.832 StudentSnapshotNeglectedDelinquentType

A.833 StudentSnapshotSection504Type

A.834 StudentSnapshotTitleIType

A.835 StudentSnapshotVocationalConcentratorType

A.836 StudentSpecialConditionListType

A.837 StudentSpecialConditionType

A.838 StudentSpecialEducationSummaryEnvironmentForEarlyChildhoodType

A.839 StudentSpecialEducationSummaryEnvironmentForSchoolAgeType

A.840 StudentSpecialEducationSummaryStudentParticipationListType

A.841 StudentSpecialEducationSummaryStudentParticipationType

A.842 StudentSpecialEducationSummaryStudentPlacementListType

A.843 StudentSpecialEducationSummaryStudentPlacementType

A.844 StudentTransportInfoPublicExpenseType

A.845 StudentTransportInfoSchoolBusRouteDetailType

A.846 StudentTransportInfoStateAidQualificationType

A.847 StudentTransportInfoTransportationStatusType

A.848 SubjectAreaListType

A.849 SubjectAreasType

A.850 SubjectAreaType

A.851 TargetListType

A.852 TargetObjectListType

A.853 TargetObjectType

A.854 TeacherInexperiencedStatusType

A.855 TeacherOutOfFieldStatusType

A.856 TeachingAssignmentType

A.857 TechnicalRequirementsType

A.858 TelemetryListType

A.859 TermInfoAttendanceTermType

A.860 TermInfoSchedulingTermType

A.861 TermMarkListsType

A.862 TermPerformanceType

A.863 TermSpanType

A.864 TestAccommodationAuthorizedActualType

A.865 TextDataType

A.866 tiepHistoryItemIepDatesType

A.867 tiepHistoryListItemType

A.868 tiepHistoryListType

A.869 tiepReferenceObjectContactListType

A.870 tiepReferenceObjectLeaListType

A.871 tiepReferenceObjectOrganizationListType

A.872 tiepReferenceObjectStaffListType

A.873 tiepReferenceObjectsType

A.874 TimeElementsType

A.875 TimeElementType

A.876 TimetableDayListType

A.877 TimetableDayType

A.878 TimetablePeriodListType

A.879 TimetablePeriodType

A.880 TitleIType

A.881 TitleListType

A.882 TransferPointDisembarkBusRouteDetailType

A.883 TransferPointListType

A.884 TransferPointType

A.885 TypedCreator2Type

A.886 TypedCreatorType

A.887 URIOrBinaryType

A.888 UserOrganizationAssociationPersonRefIdType

A.889 ValidMarkCleanType

A.890 ValidMarkType

A.891 VersionType

A.892 VersionWithWildcardsType

A.893 VictimListType

A.894 VictimType

A.895 VocationalConcentratorType

A.896 WeaponTypeListType

A.897 WhenServiceProvidedType

A.898 xAcademicSummaryType

A.899 xApplicableEducationLevelListType

A.900 xContactStudentRelationshipListType

A.901 xContactStudentRelationshipType

A.902 xCourseIdType

A.903 xDayListType

A.904 xDemographicsType

A.905 xEmailListType

A.906 xEmailType

A.907 xEnrollmentListType

A.908 xEnrollmentType

A.909 xIepType

A.910 xLanguageCodeType

A.911 xLanguageListType

A.912 xLanguageType

A.913 xLoginIdType

A.914 xMeetingTimeListType

A.915 xMeetingTimeType

A.916 XMLDataType

A.917 xOrganizationAddressType

A.918 xOrganizationIdentificationSystemType

A.919 xOrganizationIdType

A.920 xOrganizationType

A.921 xOtherCourseIdListType

A.922 xOtherCourseIdType

A.923 xOtherOrganizationIdListType

A.924 xOtherOrganizationIdType

A.925 xOtherPersonAddressListType

A.926 xOtherPersonIdListType

A.927 xOtherPersonIdType

A.928 xOtherPersonNameListType

A.929 xPersonAddressType

A.930 xPersonIdType

A.931 xPersonNameType

A.932 xPersonReferenceType

A.933 xRaceListType

A.934 xRaceType

A.935 xSchoolYearType

A.936 xSessionListType

A.937 xSessionType

A.938 xStaffPersonAssignmentListType

A.939 xStaffPersonAssignmentType

A.940 xStaffReferenceListType

A.941 xStaffReferenceType

A.942 xStudentContactListType

A.943 xStudentReferenceListType

A.944 xSubjectType

A.945 xTelephoneListType

A.946 xTelephoneType

A.947 xTelephoneTypeType

A.948 xYearGroupListType

B Code Sets

LearningStandardItem

- Course Code System
- Organization Identification System

StudentPlacement

- Other Services
- Other Types Of Transportation
- Title I Services

TestAccommodation

- Scheduling
- Setting
- Student Equipment And Technology
- Test Administration
- Test Material
- Test Response

X

- Address Type For Learner Or Family
- Address Type For Organization
- Country Code
- Course Code System
- Day Of Week
- Disability
- Education Staff Classification
- Email Type
- Employer
- Exit Or Withdrawal
- Grade Level
- Language Type
- Membership Type
- Person Id System
- Person Name Type
- Person Relationship To Learner
- Race Type
- Responsible School Type
- Session Type
- Sex
- State Code US
- Telephone Number Type

C Background/Supplementary Documentation (non-normative)

D Index of Tables

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K References

2 Introduction

2.1 Specification Organization

With respect to the SIF Specification, educators and non-technical readers are typically interested in the pK-12 data objects that can be shared and reported on by SIF-enabled applications in SIF implementations. This document, the *SIF Data Model Implementation Specification*, contains a Data Model section in a format that should not be a barrier to readers with a some knowledge of [XML]. More technical readers, including software architects, developers and integrators, will also be interested in the separate *SIF Infrastructure Implementation Specification* document.

- The Preamble provides an abstract of SIF along with the SIF Association disclaimer and details regarding certification and compliance claims.
- This Introduction outlines the organization of this specification document, provides conventions used in this document, and summarizes versioning of the specification. Highlights of additions/changes since the previous version of the specification are also provided.
- The Data Model section provides definitions of the XML structure for common elements in the data model and all objects related to entities in the pK-12 environment. This section is organized by the working groups and task forces within the SIF Association that have defined common elements or objects.
- The document concludes with various appendices including lists of code set values defined within SIF and in external documents, and ends with a list of references to other documents.

2.2 Document Conventions

2.2.1 Definitions

The first time a term or concept is defined, it may be *emphasized*.

2.2.2 Structure and Values

`SIF message and object names, XML element tags, attribute names and values, and other codes or values are typically presented as in this sentence.`

2.2.3 Examples

JSON

```
{
  "xml": "Longer examples of XML or HTTP messages are typically numbered and presented as given here."
}
```

XML

```
Longer examples of XML or HTTP messages are typically numbered and presented as given here.
```

Example 2.2.3-1: Examples Convention

2.2.4 References

References to other works occurring in this text are given in brackets, e.g. [REFERENCE]. The text in brackets corresponds to a key in the References appendix. Often when the text in the brackets duplicates surrounding text, the reference alone is used (e.g. [XML] instead of XML [XML]).

2.2.5 Terminology

The key words `MUST`, `MUST NOT`, `REQUIRED`, `SHALL`, `SHALL NOT`, `SHOULD`, `SHOULD NOT`, `RECOMMENDED`, `MAY`, `OPTIONAL`, when `EMPHASIZED`, are to be interpreted as described in [RFC 2119].

2.2.6 XML Diagrams

Quick overviews of XML structures, including messages, objects, common elements and types, are provided in XML diagrams. The following diagram illustrates the conventions typically encountered in SIF.

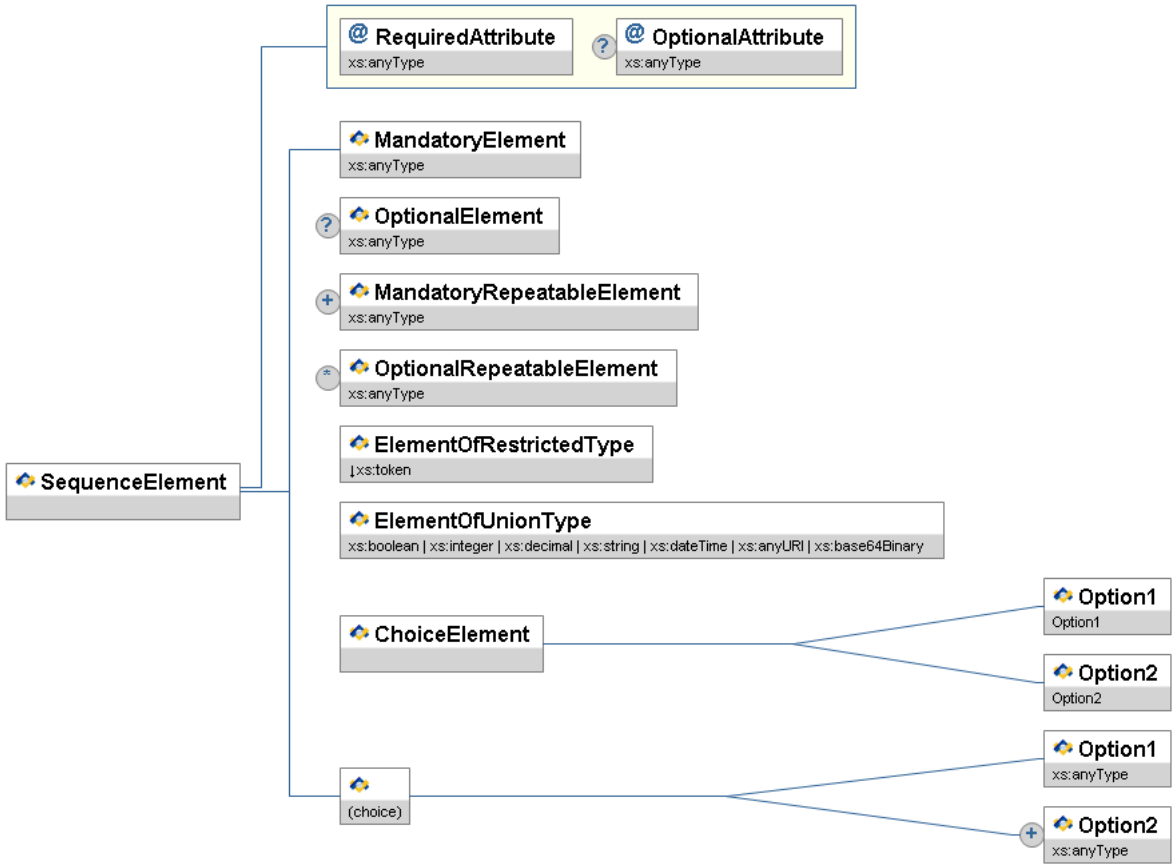


Figure 2.2.6-1: XML Diagram Conventions

XML elements are represented by rectangles with the name of the element in the upper portion and the type, if any, in the lower portion. Attributes are represented in the same fashion, but have an `@` icon rather than a SIF icon. Elements and attributes that are optional have a circled `?` (0 or 1 occurrence) to the left of the rectangle. Optional and mandatory repeatable elements are indicated by a circled `*` (0 or more occurrences) and `+` (1 or more occurrences), respectively. Element attributes are grouped together in a rectangular block and connected to the element with a line that turns at right angles. Ordered sequences of XML elements are bracketed by lines that turn at right angles. When a choice of XML elements is indicated, the elements are bracketed by angled lines. A choice of elements can occur within an element, or may be an unnamed choice of elements.

XML types are represented using the same conventions as for XML elements, though the type portion of the rectangle typically indicates a base type, if any.

The type name of any element, attribute or type may be prefixed with a `↓`, indicating the type is restricted in some fashion by one or more XML Schema facets (e.g. enumeration). When the type is a union of types, a list of types is presented, each type separated by `|`; if the list of union types is long, the list may be marked with ellipses, e.g., `| ...`

In an actual XML diagram, element, type and attribute rectangles are usually linked to their corresponding definitions/descriptions in accompanying tables.

2.3 Version Numbers

The SIF Implementation Specification uses the following version numbering scheme:

major version.*minor version*.*revision number*`(X.Y.Z)`

Once a versioned specification (Specification Release) has been released, the contents of that version MUST NOT be modified. Any modifications MUST be released under a new Specification Version Number unless the modification is the correction of an error or update of documentation. Each Specification Release has an associated errata section in which modifications and corrections of the release are listed.

A Specification Version Number for a Specification Release uses conventions as follows:

- A Specification Version Number MAY take the form `X.Y.Z` where `X`, `Y`, and `Z` are nonnegative integers (whole numbers), and MUST NOT contain leading zeroes. `X` represents the *Major version*, `Y` represents the *Minor version*, and `Z` represents the *Revision version*.
- Each version number element MUST increase sequentially based on the guidelines defined within this document; for instance, `1.9.1` to `1.10` to `1.11` to `1.11.1`.
- Precedence refers to how versions are compared to each other when ordered. Precedence MUST be calculated by separating the version into major, minor, revision identifiers in that order. Precedence is determined by the first difference when comparing each of these identifiers from left to right as follows: Major, Minor, and Revision versions are always compared numerically; for example, `1.0.0` < `2.0.0` < `2.1.0` < `2.1.1`.

An instance of a Specification Version Number is the canonical identifier for a Specification Release. The manner in which the Specification Version Number increments after a given Specification Release depends on the type and relative magnitude of changes being proposed in the new release as follows:

1. The Revision version number (`Z` in *x.y.*`Z`, where `X` >= 0) MUST be incremented when specification changes are limited to backward compatible changes. If `Z`=0 then the convention is to drop the Revision number: for example, `3.1` instead of `3.1.0`. Backward compatible changes include the following:

- New data object.
- New optional data object element.

- New optional utility service object element.

2. The Minor version number (y in $x.y.z$, where $x > 0$) MUST be incremented if new functionality is added to the specification. It MUST be incremented if any aspect of the specification is marked as deprecated. It MUST be incremented if any aspect of the specification is not backward compatible. (Backward compatible means any change that can be implemented by one participant (consumer, Environment or service provider) without requiring changes by other participants to maintaining the same level of interoperability.) It MAY be incremented if substantial new functionality or improvements are introduced. It MAY include changes that are categorized as ”Revision” level magnitude. The Revision version MUST be reset to 0 when the Minor version is incremented. Changes requiring a Minor version increment include the following:

- New mandatory data object element.
- New mandatory utility service object element.
- Deprecate data object element.
- Deprecate data object.
- Deprecate utility service object element.
- Deprecate utility service object.
- Remove deprecated data object element.
- Remove deprecated data object.
- Remove deprecated utility service object element.
- Remove deprecated utility service object.
- Add support for additional authentication methods.
- Add support for additional TLS version.
- Any changes concerning security.
- Any optional to mandatory change.
- Add support for additional payload representations.

3. The Major version number (x in $x.y.z$, where $x > 0$) MUST be incremented if a significant change is introduced to the specification. It MAY include changes categorized as Minor and Revision level changes. The Revision and Minor version numbers MUST be reset to 0 when the Major version is incremented. Changes requiring a Major version increment include the following:

- Deprecate payload representation.
- Remove deprecated payload representation.
- Add support for a distinct data model namespace.
- Replace (deprecate and remove) a locale data model.
- Any significant change that requires the Major version to be incremented as deemed by the A4L Association Board for global specifications and Management Boards for locale data models.

3 Data Model

3.1 Introduction

This section presents the XML structure for SIF Data Model common elements and objects in a tabular format for readers less versed in parsing formal XML schema definitions, along with conventions that typically apply in the data model for easy reference.

3.1.1 Format

The Char(acteristics) column for all of the tables in this section use the following codes:

Code	Characteristic
M	Mandatory element or attribute
O	Optional element or attribute
C	Conditional element or attribute
MR	Mandatory and repeatable element
OR	Optional and repeatable element
CR	Conditional and repeatable element

Mandatory elements `MUST` be present in Add events, and in non-empty and non-error responses to requests for entire SIF objects (e.g., no `SIF_Query/SIF_QueryObject/SIF_Element` elements supplied in the request). Mandatory attributes `MUST` always be present if their corresponding element is present.

SIF Adapters and message brokers MUST supply data according to the types specified in the Type columns and their corresponding equivalents in the most recent schema files associated with this specification. If there is a discrepancy between object and element definitions in this specification and the corresponding schema files, the definition in the schema files takes precedence; every effort will be made to note discrepancies in the errata for this document as they are identified.

3.1.2 Conventions

3.1.2.1 Object Attributes/Primary Keys

While XML attributes are primarily used in SIF to provide additional processing information regarding the associated element content, attributes at the root level of an object have special significance. These attributes serve as the primary key or identifier for the object; in all cases this is no more than a `RefId` GUID of `RefIdType`

3.1.2.2 Object References

As stated elsewhere, SIF primarily uses GUIDs as object identifiers, primary keys, or `RefId`s. References to primary keys (foreign key references) follow certain conventions in SIF in most objects:

- An element or attribute of type `IdRefType` can be defined that consists of the referenced object name concatenated with `RefId`, e.g., `DataPersonalRefId` (a reference to the object identifier/primary key/`RefId` of a `DataPersonal` object);
- An element requiring a more descriptive name for the reference or one that refers to more than one object type is defined as `IdRefType`, has an element name of a group's choosing (or generically `SIF_RefId`) and enumerates all possible object types that can be referenced in the `SIF_RefObject` attribute; or
- A pair of attributes can be defined, one of type `IdRefType` containing the referenced object's `RefId`, the other enumerating all possible object types that can be referenced; generically these are named `SIF_RefId` and `SIF_RefObject`, respectively; naming conventions that programmatically allow identification of the pair beyond the generic names will be documented when the need arises.

3.1.2.3 Lists/Repeatable Elements

To those accustomed with normalized relational databases, the SIF Data Model will appear to not be especially normalized, especially with regard to repeating groups of data not being separated into their own "tables," or in SIF's case, "objects" with primary/foreign keys to maintain the relationship. Bear in mind that SIF is not a format for storing data; it is a format for transmitting data *asynchronously* between *disparate* and *distributed* systems needing to share data for interoperability; the format this data takes in different systems can vary greatly, and the data related to any given "entity" may come from a variety of sources and systems. The goals of normalization—eliminating redundancy, organizing data efficiently, reducing inconsistencies, etc.—take on a different meaning in a message queuing system. Of primary importance is transmitting the data needed for interoperability in a minimum number of messages. The need to "join" together a great number of separate objects is kept to a minimum in SIF, as individual systems do not have access to all the data required and due to the asynchronous nature of SIF, any one of these systems may take a fair amount of time before returning data necessary for joins (`SIF_ExtendedQuery` has been developed to communicate a join to a single system that may have direct access to the all the data necessary to efficiently accomplish this task). It's one thing to make a separate request for a student's picture or enrollment information, another entirely to request every available phone number, address and e-mail address separately from the SIF Environment. As such, it is often the case in SIF that repeating data is stored directly in an object, rather than being separated out into a separate object.

Repeating data is very analogous to objects, though, within any given object. In SIF's Publish/Subscribe model, repeating elements in objects can be added to, changed in or deleted from an object, much like objects can be added to, changed in or deleted from a SIF Environment. Within an existing object, all of these actions take place within a `Change` event, and repeating elements—if any exist initially—are first made available within an object in an `Add` event or can be obtained directly via requests. Repeatable elements are contained within a parent *List* element in most SIF objects whether or not they support events, e.g.:

3.1.2.3.1 List

While a unique, primary key may still be identifiable in its child elements, a *List* is used primarily when:

- the list is a cohesive whole conceptually, where supporting or referring to a subset of the list is of little value;
- when the list consists only of keys, and no associated data;
- the list is informational/temporary state information and not typically persisted; or
- when no key exists to uniquely identify items in the list.

*List*s are always transmitted as a cohesive unit consisting of the parent list container element and all child elements. If no child elements exist in the list, the list consists of the container element alone. Omission of an optional *List* in an `Add` event also implies no list items. In a `Change` event, omission of the *List* indicates no changes have been made; otherwise the parent container element and all child elements, if any, are included. Systems storing *List* data should replace all corresponding data in their systems when persisting the list; likewise when a change is made to one or more list items or when all items in the list are deleted, systems should send the whole list in a `Change` event.

A system that supports `CountriesOfCitizenship` updates its local data to reflect and German citizenship.

3.1.3 Validation

3.1.3.1 Supported Optional Elements Without Values

Some agents follow the convention of supplying an optional element as empty (e.g. `<BirthDate></BirthDate>` or `<BirthDate/>` to indicate that the application supports the element, but that it currently has no value available within a given object. To allow for this convention within SIF—as in this example an empty string does not satisfy the `xs:date` type definition of `BirthDate`—all optional elements in SIF are defined as `nillable` [SCHEMA]. To satisfy type constraints on an element while still supplying an empty or "nil" value, agents `MUST` tag the element with a `true` value for the `nil` attribute from namespace `http://www.w3.org/2001/XMLSchema-instance` [SCHEMA] (e.g. `<BirthDate xsi:nil="true"/>` where the prefix `xsi` has been mapped to the namespace `http://www.w3.org/2001/XMLSchema-instance`), unless an empty value is valid with regard to the element's type definition, in which case supplying the `nil` attribute value of `true` is optional.

3.1.3.2 Externally-Defined XML

Note that XML not defined within SIF does not necessarily support ad hoc omission of XML elements at will to conform with the conventions of the SIF Publish/Subscribe Model (where unchanged elements are typically omitted in Change events, and where non-key elements are often omitted in Delete events) or of the SIF Request/Response Model (where a subset of elements can be retrieved from objects with requests). If externally-defined XML occurs within a SIF data object, SIF conventions do not extend to that XML unless that XML is defined to accommodate SIF conventions; the XML, when transmitted, must only conform to any external definitions dictating its structure, if any. Applications should be prepared for the possibility of receiving whole externally-defined XML structures in Change events (regardless of how little or much of the external XML has changed) and possibly also Delete events, likewise in responses even when a subset of the XML structure's child elements may have explicitly been requested.

3.1.3.3 Payload Validation

There are two sets of XSDs available for Validation of Payload.

3.1.3.3.1 Create

The first set, "DataModel" is 'strict' and all of the elements that are required for validation are 'Mandatory' in this suite of XSDs. This suite is traditionally used for Creation of new entities, which generally require validation before being saved into a Data Store.

3.1.3.3.2 Update

The second set, "SIF_Message" is 'lax' and every element within the schema is 'optional' except the 'RefId' the identifying GUID/UUID. (However, required elements are not nillable.) This suite of XSDs are traditionally used for Update and Delete of current entities. If an element is not included in the payload of an Update operation, its value is assumed to be unchanged. In additon, if the payload contains the RefId/UUID only, the consumer must assume that object to be DELETED or that it has been deleted since the original request was made.

3.2 Assessment Working Group

The Assessment Working Group concentrates on ensuring that assessment results can be made available in a timely manner and that the results are transmitted in a meaningful manner.

3.2.1 Assessment

An assessment measures a student's progress and learning on specific academic standards.

SIF_Events are not reported for this object.

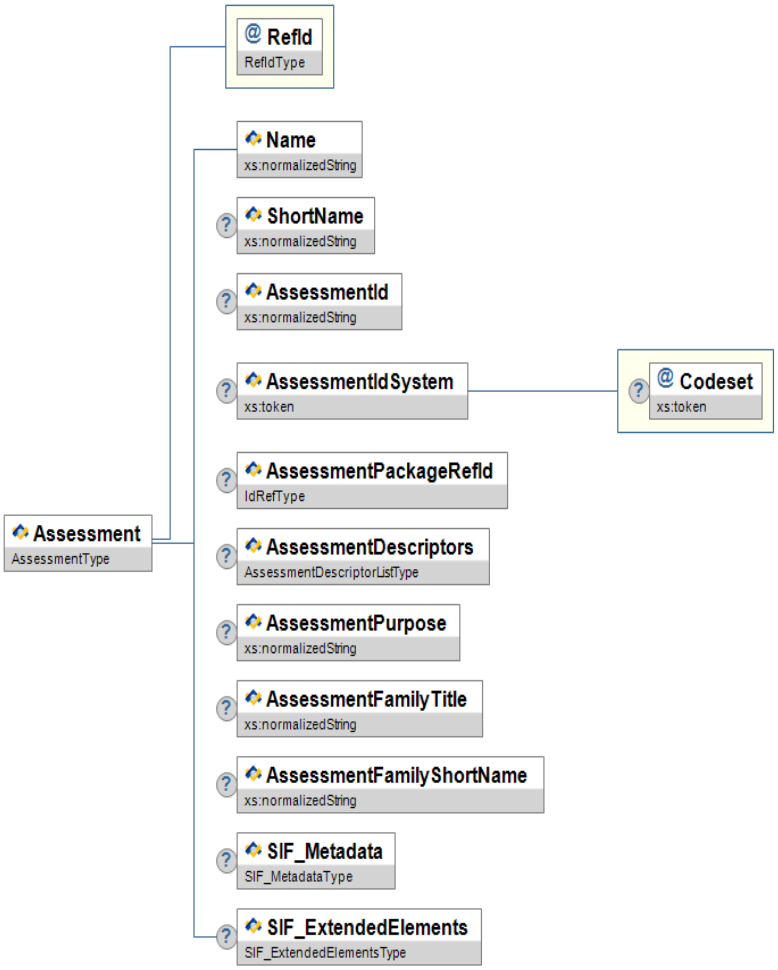


Figure 3.2.1-1: Assessment

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Assessment				
@	RefId	M	000364 https://ceds.ed.gov/element/000364	The GUID that uniquely identifies this object.	RefIdType
	Name	M	000028 https://ceds.ed.gov/element/000028	Name of the test.	xs:normalizedString
	ShortName	O	000931 https://ceds.ed.gov/element/000931	An abbreviated title for an assessment.	xs:normalizedString
	AssessmentId	O	001067 https://ceds.ed.gov/element/001067	The state, local or publisher unique Id for the assessment.	xs:normalizedString
	AssessmentIdSystem	O	000365 https://ceds.ed.gov/element/000365	A coding scheme that is used for identification and record-keeping purposes by schools, social services, or other agencies to refer to an assessment.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	AssessmentPackageRefId	O			IdRefType
	AssessmentDescriptors	O		Describes what type of assessment this represents.	AssessmentDescriptorListType
	AssessmentPurpose	O	000026 https://ceds.ed.gov/element/000026	The reason for which an assessment is designed or delivered.	xs:normalizedString

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssessmentFamilyTitle	O	000932 https://ceds.ed.gov/element/000932	The full title of the Assessment Family. An Assessment Family is a set of assessments with a common name, jurisdiction, or focus, such as Graduate Record Exam or National Assessment of Educational Progress.	xs:normalizedString
	AssessmentFamilyShortName	O	000933 https://ceds.ed.gov/element/000933	The abbreviated title of the Assessment Family. An Assessment Family is a set of assessments with a common name, jurisdiction, or focus.	xs:normalizedString
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.2.1-1: Assessment

JSON


```
{
  "Assessment": {
    "RefId": "CC2834DE9138FAB032EF399BA72A8234",
    "Name": "TAKS Test",
    "AssessmentId": "TX48A",
    "AssessmentPackageRefId": "B8846EB83F0D4609A3299AC59410814E",
    "AssessmentDescriptors": {
      "AssessmentDescriptor": [
        "Statewide"
      ]
    },
    "SIF_Metadata": {
      "EducationFilter": {
        "LearningStandardItems": {
          "LearningStandardItemRefId": [
            "FA3023B26277CAD47105327F3A782BED",
            "DE937CB2627AAE872850E1F3A782BEDF",
            "BCFA143627AAE87E830E1F3AD92B4DA7",
            "DE840286ABB72198756E1F349CAE8273",
            "913DE839BA8329FCA938EF2709BC31A0",
            "A8930CD176EBB992714ACEB78492AE9C",
            "0264FFBA72C78ED903BE27CAA18905FB"
          ]
        }
      }
    }
  }
}
```


XML


```
<Assessment RefId="CC2834DE9138FAB032EF399BA72A8234">
  <Name>TAKS Test</Name>
  <AssessmentId>TX48A</AssessmentId>
  <AssessmentPackageRefId>B8846EB83F0D4609A3299AC59410814E</AssessmentPackageRefId>
  <AssessmentDescriptors>
    <AssessmentDescriptor>Statewide</AssessmentDescriptor>
  </AssessmentDescriptors>
  <SIF_Metadata>
    <EducationFilter>
      <LearningStandardItems>
        <LearningStandardItemRefId>FA3023B26277CAD47105327F3A782BED</LearningStandardItemRefId>
        <LearningStandardItemRefId>DE937CB2627AAE872850E1F3A782BEDF</LearningStandardItemRefId>
        <LearningStandardItemRefId>BCFA143627AAE87E830E1F3AD92B4DA7</LearningStandardItemRefId>
        <LearningStandardItemRefId>DE840286ABB72198756E1F349CAE8273</LearningStandardItemRefId>
        <LearningStandardItemRefId>913DE839BA8329FCA938EF2709BC31A0</LearningStandardItemRefId>
        <LearningStandardItemRefId>A8930CD176EBB992714ACEB78492AE9C</LearningStandardItemRefId>
        <LearningStandardItemRefId>0264FFBA72C78ED903BE27CAA18905FB</LearningStandardItemRefId>
      </LearningStandardItems>
    </EducationFilter>
  </SIF_Metadata>
</Assessment>
```


Example 3.2.1-1: Assessment

3.2.2 AssessmentAdministration

This object represents an assessment event. It includes information related to the time of administration, place of administration, and unusual events related to the administration.

SIF_Events are reported for this object.

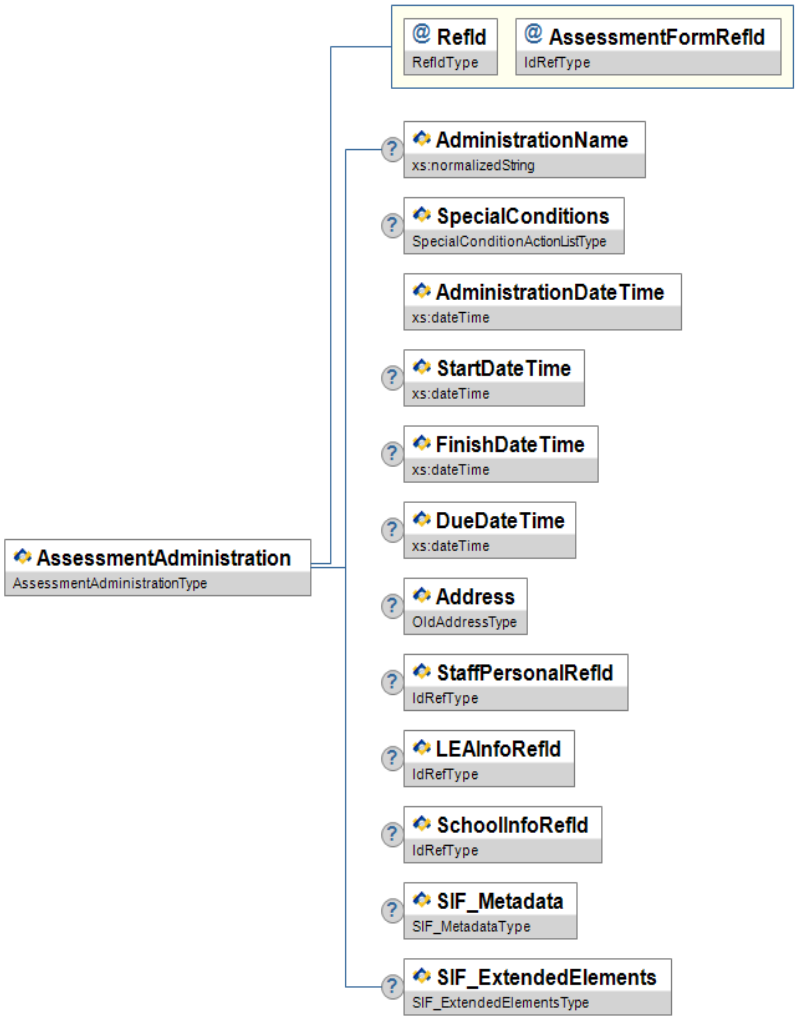


Figure 3.2.2-1: AssessmentAdministration

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssessmentAdministration			This object represents an assessment event. It includes information related to the time of administration, place of administration, and unusual events related to the administration.	
@	RefId	M		The GUID that uniquely identifies an instance of the object.	RefIdType
@	AssessmentFormRefId	M		The RefId of the assessment form used in the assessment administration.	IdRefType
	AdministrationName	O	000410 https://ceds.ed.gov/element/000410		xs:normalizedString
	SpecialConditions	O		Special conditions or unusual events related to the administration event.	SpecialConditionActionListType
	AdministrationDateTime	M		Date and time the test is scheduled to be given.	xs:dateTime
	StartDateTime	O	001021 https://ceds.ed.gov/element/001021	Date and time testing begins.	xs:dateTime
	FinishDateTime	O	001022 https://ceds.ed.gov/element/001022	Date and time testing ends.	xs:dateTime

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DueDateTime	O		Date and time test is due.	xs:dateTime
	Address	O		Address of the location where the administration takes place.	OldAddressType
	StaffPersonalRefId	O		Optional reference to a staff person associated with the administration.	IdRefType
	LEAInfoRefId	O		Optional reference to a school district associated with the administration.	IdRefType
	SchoolInfoRefId	O		Optional reference to a school associated with the administration.	IdRefType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.2.2-1: AssessmentAdministration

JSON

```
{
  "AssessmentAdministration": {
    "RefId": "E2E8045FD8884745AC588F1DDDBEE864",
    "AssessmentFormRefId": "78DA3F367AAE4E34995CE15530F531CC",
    "SpecialConditions": {
      "SpecialCondition": [
        {
          "Code": "25B",
          "value": "Fire drill during test."
        }
      ]
    },
    "AdministrationDateTime": "2006-03-06T11:30:00-08:00",
    "FinishDateTime": "2006-03-06T12:30:00-08:00"
  }
}
```

XML

```
<AssessmentAdministration RefId="E2E8045FD8884745AC588F1DDDBEE864" AssessmentFormRefId="78DA3F367AAE4E34995CE15530F531CC">
  <SpecialConditions>
    <SpecialCondition Code="25B">Fire drill during test.</SpecialCondition>
  </SpecialConditions>
  <AdministrationDateTime>2006-03-06T14:30:00-05:00</AdministrationDateTime>
  <FinishDateTime>2006-03-06T15:30:00-05:00</FinishDateTime>
</AssessmentAdministration>
```

Example 3.2.2-1: AssessmentAdministration

3.2.3 AssessmentForm

Represents the unique set of questions or stimuli given to a set of test takers. A physical correlate of the assessment form is the test booklet given to students during an assessment. However, this object does not contain the questions, it only contains elements that describe the form for use in scoring the questions.

SIF_Events are not reported for this object.

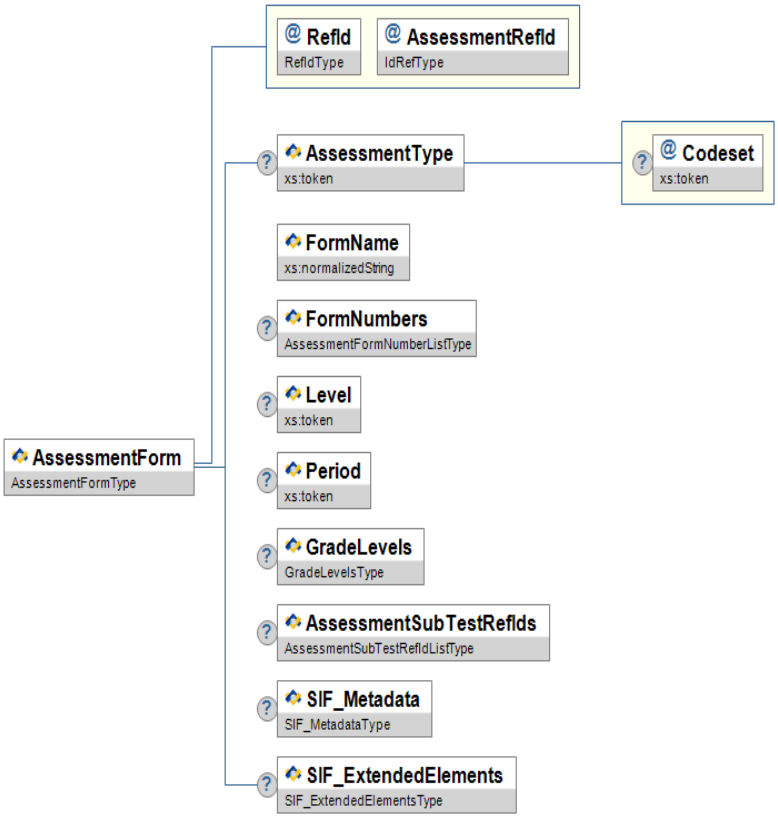


Figure 3.2.3-1: AssessmentForm

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssessmentForm			Represents the unique set of questions or stimuli given to a set of test takers. A physical correlate of the assessment form is the test booklet given to students during an assessment. However, this object does not contain the questions, it only contains elements that describe the form for use in scoring the questions.	
@	RefId	M		The GUID that uniquely identifies an instance of the object.	RefIdType
@	AssessmentRefId	M		The RefId of the assessment related to this form.	IdRefType
	AssessmentType	O	000029 https://ceds.ed.gov/element/000029	Indicates whether this assessment (form) is a standard administration or alternate.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	FormName	M		Text description for this particular arrangement of questions, etc.	xs:normalizedString
	FormNumbers	O		Reference numbers for the form.	AssessmentFormNumberListType
	Level	O	000177 https://ceds.ed.gov/element/000177	Indicates the level of the form. Examples Grade 3 Leveling System	xs:token
	Period	O	000408 https://ceds.ed.gov/element/000408	The time period in which the form is intended to be administered.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	GradeLevels	O		Grade levels this assessment is designed to evaluate.	GradeLevelsType
	AssessmentSubTestRefIds	O		Associated subtests (score types). Each form can provide scores in one or more subtest areas.	AssessmentSubTestRefIdListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.2.3-1: AssessmentForm

JSON

```
{
  "AssessmentForm": {
    "RefId": "13F3C7AFF8464EE1862B0622A010883E",
    "AssessmentRefId": "77C5D8A7345B4BE883053228C9708512",
    "AssessmentType": {
      "value": "standard"
    },
    "FormName": "Form A",
    "FormNumbers": {
      "FormNumber": [
        "34"
      ]
    },
    "Level": "Grade 3",
    "Period": "Spring",
    "AssessmentSubTestRefIds": {
      "AssessmentSubTestRefId": [
        "C356A7559EB144DE8B09097078A94F86"
      ]
    }
  }
}
```

XML

```
<AssessmentForm RefId="13F3C7AFF8464EE1862B0622A010883E" AssessmentRefId="77C5D8A7345B4BE883053228C9708512">
  <AssessmentType>standard</AssessmentType>
  <FormName>Form A</FormName>
  <FormNumbers>
    <FormNumber>34</FormNumber>
  </FormNumbers>
  <Level>Grade 3</Level>
  <Period>Spring</Period>
  <AssessmentSubTestRefIds>
    <AssessmentSubTestRefId>C356A7559EB144DE8B09097078A94F86</AssessmentSubTestRefId>
  </AssessmentSubTestRefIds>
</AssessmentForm>
```

Example 3.2.3-1: AssessmentForm

3.2.4 AssessmentItem

This object is designed to allow software systems to provide item detail information such as the stem of the item, the distractors, the stimuli, etc. This initial version of the object does not deal with presentation aspects of the item. Instead it focuses on the item content and characteristics needed to enable interoperability and the usage of item-level information in the improvement of learning and instruction.

SIF_Events are not reported for this object.

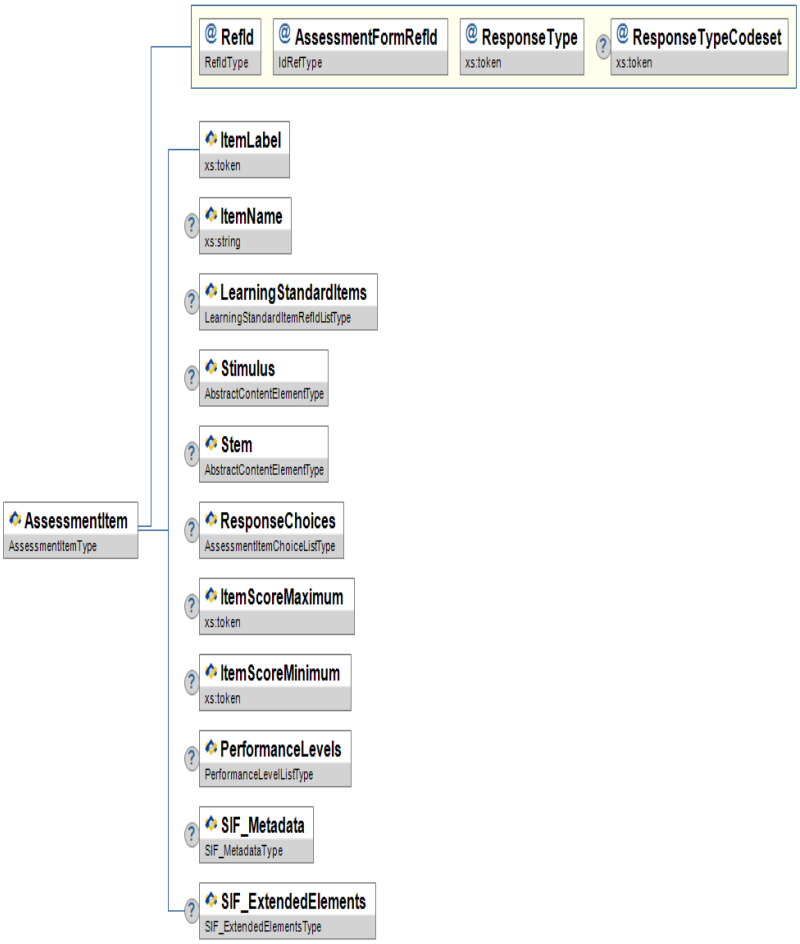


Figure 3.2.4-1: AssessmentItem

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssessmentItem			This object is designed to allow software systems to provide item detail information such as the stem of the item, the distractors, the stimuli, etc. This initial version of the object does not deal with presentation aspects of the item. Instead it focuses on the item content and characteristics needed to enable interoperability and the usage of item-level information in the improvement of learning and instruction.	
@	RefId	M			RefIdType
@	AssessmentFormRefId	M		This RefId points to the assessment form of which the item is a part.	IdRefType
@	ResponseType	M	000390 https://ceds.ed.gov/element/000390	A value that indicates the response type for the item.	xs:token
@	ResponseTypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ItemLabel	M		An item number or other identifier for the item. It may be used to indicate the order or grouping of items.	xs:token
	ItemName	O	000398 https://ceds.ed.gov/element/000398	Name or short description of the item.	xs:string

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningStandardItems	O		This object contains information related to curriculum standards statements "standards" or "benchmarks" or the like within the document. This object primarily focuses upon state department curriculum standards, published curriculum standards and local education agency learning standards. Each `LearningStandardItemRefId` reflects an individual standard statement and may occur at several levels within a hierarchially structured document.	`LearningStandardItemRefIdListType`
	Stimulus	C		A piece of content to be used by the test taker in responding to the stem. Examples include a reading passage, a video, a diagram, or a picture. Note: The `Stimulus` element only is included when a `Stem` element exists.	`AbstractContentElementType`
	Stem	O		The question, task, or statement that prompts a response from the test taker.	`AbstractContentElementType`
	ResponseChoices	C		This complex element will not be included in the object if `@ResponseType` is: • `fill-in-the-blank` • `short-answer` • `essay` Other cases will be added in the future.	`AssessmentItemChoiceListType`
	ItemScoreMaximum	O	000419 https://ceds.ed.gov/element/000419	The maximum item score possible for this item.	`xs:token`
	ItemScoreMinimum	O	000418 https://ceds.ed.gov/element/000418	The minimum item score possible for this item.	`xs:token`
	PerformanceLevels	O		Performance Levels are an ordered set of categories that indicate the achievement level of a person on an assessment.	`PerformanceLevelListType`
	SIF_Metadata	O			`SIF_MetadataType`
	SIF_ExtendedElements	O			`SIF_ExtendedElementsType`

Table 3.2.4-1: AssessmentItem

JSON

```
{
  "AssessmentItem": {
    "RefId": "C294F3E190F019AD8E1DFC8367537EC8",
    "AssessmentFormRefId": "9372CB8EA910FF87D5672CAEF01387AA",
    "ResponseType": "multiple-choice",
    "ItemLabel": "5",
    "ItemName": "Geometry diagnostic",
    "LearningStandardItems": {
      "LearningStandardItemRefId": [
        "DE072A87EFAD4B778AF9FAF83C94839E"
      ]
    },
    "Stimulus": {
      "Reference": {
        "MIMEType": "image/jpeg",
        "Description": "triangle_1",
        "URL": "http://www.trianglezz.com/triangle.jpg"
      }
    },
    "Stem": {
      "TextData": {
        "Description": "Pythagorean Theorem",
        "value": "\n          Express the length of side C in terms of A and B.\n       "
      }
    },
    "ResponseChoices": {
      "Choice": [
        {
          "ChoiceLabel": "A",
          "ChoiceContent": {
            "TextData": {
              "value": "A + B"
            }
          },
          "CreditValue": "0.0"
        },
        {
          "ChoiceLabel": "B",
          "ChoiceContent": {
            "TextData": {
              "value": "3PI*R"
            }
          },
          "CreditValue": "-0.1"
        },
        {
          "ChoiceLabel": "C",
          "ChoiceContent": {
            "TextData": {
              "value": "SQRT(A2 + B2)"
            }
          },
          "CreditValue": "1.0"
        },
        {
          "ChoiceLabel": "D",
          "ChoiceContent": {
            "TextData": {
              "value": "A2 + B2"
            }
          },
          "CreditValue": "0.5"
        }
      ]
    }
  }
}
```


XML


```
<AssessmentItem RefId="C294F3E190F019AD8E1DFC8367537EC8" AssessmentFormRefId="9372CB8EA910FF87D5672CAEF01387AA" ResponseType="multiple-choice">
  <ItemLabel>5</ItemLabel>
  <ItemName>Geometry diagnostic</ItemName>
  <LearningStandardItems>
    <LearningStandardItemRefId>DE072A87EFAD4B778AF9FAF83C94839E</LearningStandardItemRefId>
  </LearningStandardItems>
  <Stimulus>
    <Reference MIMEType="image/jpeg" Description="triangle_1">
      <URL>http://www.trianglezz.com/triangle.jpg</URL>
    </Reference>
  </Stimulus>
  <Stem>
    <TextData Description="Pythagorean Theorem">
          Express the length of side C in terms of A and B.
        </TextData>
  </Stem>
  <ResponseChoices>
    <Choice>
      <ChoiceLabel>A</ChoiceLabel>
      <ChoiceContent>
        <TextData>A + B</TextData>
      </ChoiceContent>
      <CreditValue>0.0</CreditValue>
    </Choice>
    <Choice>
      <ChoiceLabel>B</ChoiceLabel>
      <ChoiceContent>
        <TextData>3PI*R</TextData>
      </ChoiceContent>
      <CreditValue>-0.1</CreditValue>
    </Choice>
    <Choice>
      <ChoiceLabel>C</ChoiceLabel>
      <ChoiceContent>
        <TextData>SQRT(A2 + B2)</TextData>
      </ChoiceContent>
      <CreditValue>1.0</CreditValue>
    </Choice>
    <Choice>
      <ChoiceLabel>D</ChoiceLabel>
      <ChoiceContent>
        <TextData>A2 + B2</TextData>
      </ChoiceContent>
      <CreditValue>0.5</CreditValue>
    </Choice>
  </ResponseChoices>
</AssessmentItem>
```


Example 3.2.4-1: AssessmentItem - Example 1

JSON


```
{
  "AssessmentItem": {
    "RefId": "C294F3E190F019AD8E1DFC8367537EC8",
    "AssessmentFormRefId": "9372CB8EA910FF87D5672CAEF01387AA",
    "ResponseType": "multiple-choice",
    "ItemLabel": "5",
    "ItemName": "Geometry diagnostic",
    "LearningStandardItems": {
      "LearningStandardItemRefId": [
        "DE072A87EFAD4B778AF9FAF83C94839E"
      ]
    },
    "Stimulus": {
      "Reference": {
        "MIMEType": "image/jpeg",
        "Description": "triangle_1",
        "URL": "http://www.trianglezz.com/triangle.jpg"
      }
    },
    "Stem": {
      "TextData": {
        "Description": "Pythagorean Theorem",
        "value": "\n          Express the length of side C in terms of A and B.\n       "
      }
    },
    "ResponseChoices": {
      "Choice": [
        {
          "ChoiceLabel": "A",
          "ChoiceContent": {
            "TextData": {
              "value": "A + B"
            }
          },
          "CreditValue": "0.0"
        },
        {
          "ChoiceLabel": "B",
          "ChoiceContent": {
            "TextData": {
              "value": "3PI*R"
            }
          },
          "CreditValue": "-0.1"
        },
        {
          "ChoiceLabel": "C",
          "ChoiceContent": {
            "TextData": {
              "value": "SQRT(A2 + B2)"
            }
          },
          "CreditValue": "1.0"
        },
        {
          "ChoiceLabel": "D",
          "ChoiceContent": {
            "TextData": {
              "value": "A2 + B2"
            }
          },
          "CreditValue": "0.5"
        }
      ]
    },
    "ItemScoreMaximum": "1.0",
    "ItemScoreMinimum": "-.1",
    "PerformanceLevels": {
      "PerformanceLevel": [
        {
          "LevelName": "Pass",
          "CutScores": {
            "ScoreMetric": "0499",
            "LowerCut": "0",
            "UpperCut": "0.5"
          }
        }
      ]
    }
  }
}
```


XML

```
<AssessmentItem RefId="C294F3E190F019AD8E1DFC8367537EC8" AssessmentFormRefId="9372CB8EA910FF87D5672CAEF01387AA" ResponseType="multiple-choice">
  <ItemLabel>5</ItemLabel>
  <ItemName>Geometry diagnostic</ItemName>
  <LearningStandardItems>
    <LearningStandardItemRefId>DE072A87EFAD4B778AF9FAF83C94839E</LearningStandardItemRefId>
  </LearningStandardItems>
  <Stimulus>
    <Reference MIMEType="image/jpeg" Description="triangle_1">
      <URL>http://www.trianglezz.com/triangle.jpg</URL>
    </Reference>
  </Stimulus>
  <Stem>
    <TextData Description="Pythagorean Theorem">
          Express the length of side C in terms of A and B.
        </TextData>
  </Stem>
  <ResponseChoices>
    <Choice>
      <ChoiceLabel>A</ChoiceLabel>
      <ChoiceContent>
        <TextData>A + B</TextData>
      </ChoiceContent>
      <CreditValue>0.0</CreditValue>
    </Choice>
    <Choice>
      <ChoiceLabel>B</ChoiceLabel>
      <ChoiceContent>
        <TextData>3PI*R</TextData>
      </ChoiceContent>
      <CreditValue>-0.1</CreditValue>
    </Choice>
    <Choice>
      <ChoiceLabel>C</ChoiceLabel>
      <ChoiceContent>
        <TextData>SQRT(A2 + B2)</TextData>
      </ChoiceContent>
      <CreditValue>1.0</CreditValue>
    </Choice>
    <Choice>
      <ChoiceLabel>D</ChoiceLabel>
      <ChoiceContent>
        <TextData>A2 + B2</TextData>
      </ChoiceContent>
      <CreditValue>0.5</CreditValue>
    </Choice>
  </ResponseChoices>
  <ItemScoreMaximum>1.0</ItemScoreMaximum>
  <ItemScoreMinimum>-.1</ItemScoreMinimum>
  <PerformanceLevels>
    <PerformanceLevel LevelName="Pass">
      <CutScores ScoreMetric="0499">
        <LowerCut>0</LowerCut>
        <UpperCut>0.5</UpperCut>
      </CutScores>
    </PerformanceLevel>
  </PerformanceLevels>
</AssessmentItem>
```

Example 3.2.4-2: AssessmentItem - Example 2

3.2.5 AssessmentPackage

SIF_Events are not reported for this object.

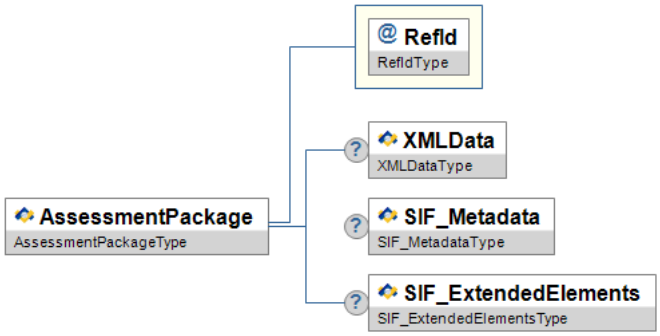


Figure 3.2.5-1: AssessmentPackage

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssessmentPackage			A wrapper for any external standard that can define or transmit the content of an assessment.	
@	RefId	M		The GUID that uniquely identifies an object instance in a zone.	RefIdType
	XMLData	C		Contains an arbitary XML element, encoded in UTF-8.	XMLDataType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.2.5-1: AssessmentPackage

3.2.6 AssessmentRegistration

This object represents the assignment of a specific assessment to be taken by a student.

SIF_Events are reported for this object.

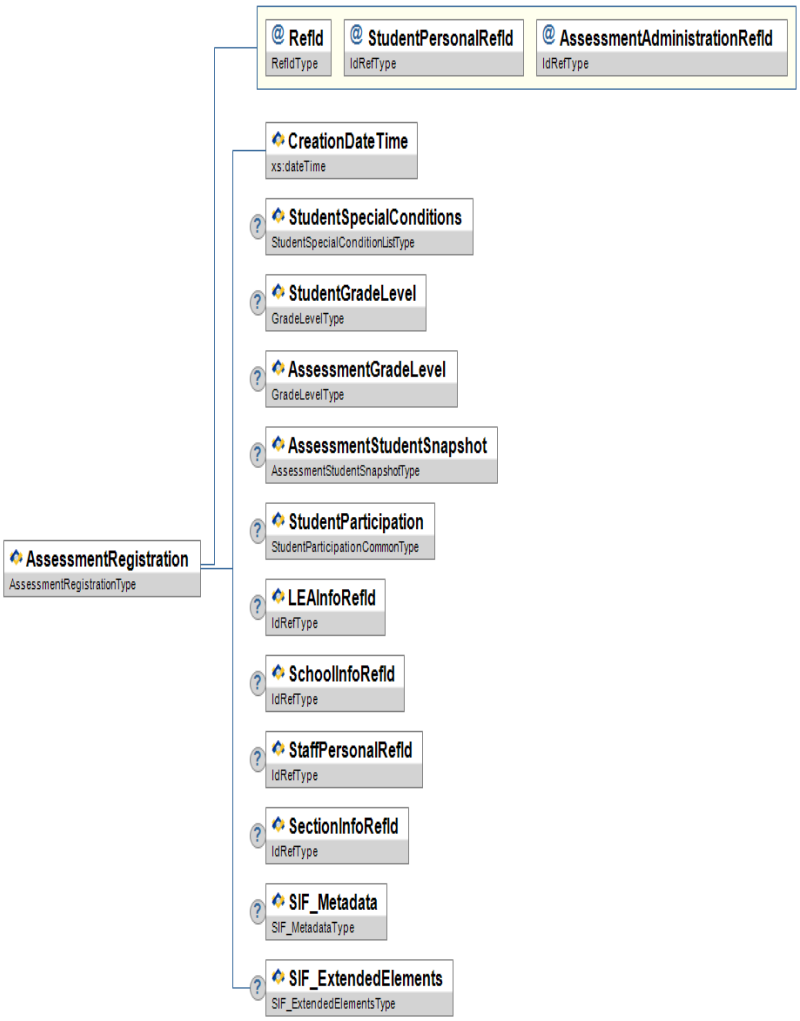


Figure 3.2.6-1: AssessmentRegistration

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssessmentRegistration			This object represents the assignment of a specific assessment to be taken by a student.	
@	RefId	M	000365 https://ceds.ed.gov/element/000365	The GUID that uniquely identifies an instance of the object.	RefIdType
@	StudentPersonalRefId	M		The student associated with the registration.	IdRefType
@	AssessmentAdministrationRefId	M		The assessment administration associated with the registration.	IdRefType
	CreationDateTime	M		Date/time assignment is made.	xs:dateTime
	StudentSpecialConditions	O		Records student-specific special conditions during the test.	StudentSpecialConditionListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentGradeLevel	O		Grade level of the student at the time of testing.	GradeLevelType
	AssessmentGradeLevel	O		The grade or level at which the student is to be tested. This element should be omitted unless the student is being tested out-of-level.	GradeLevelType
	AssessmentStudentSnapshot	O		The status of the student at the time of testing. The source of this information is meant to be the assessment system and not the student information system.	AssessmentStudentSnapshotType
	StudentParticipation	O		Whether a student participated and/or completed.	StudentParticipationCommonType
	LEAInfoRefId	O		Optional reference to a district associated with the registration.	IdRefType
	SchoolInfoRefId	O		Optional reference to a school associated with the registration.	IdRefType
	StaffPersonalRefId	O		Optional reference to a staff person associated with the registration.	IdRefType
	SectionInfoRefId	O		Optional reference to a section (or class) associated with the registration.	IdRefType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.2.6-1: AssessmentRegistration

JSON


```
{
 "AssessmentRegistration": {
   "RefId": "84243B2716EA4A68889B57A07E3707C9",
   "StudentPersonalRefId": "0D015F74DAB645FD92EFA8F43F2D79C3",
   "AssessmentAdministrationRefId": "6B08DF6E158941D9B8206D16E1FA6219",
   "CreationDateTime": "2006-03-05T06:30:00-08:00",
   "StudentSpecialConditions": {
     "StudentSpecialCondition": [
       {
         "Code": "45C",
         "value": "Student became ill during test."
       }
     ]
   },
   "StudentGradeLevel": {
     "Code": {
       "value": "04"
     }
   },
   "AssessmentGradeLevel": {
     "Code": {
       "value": "03"
     }
   },
   "AssessmentStudentSnapshot": {
     "RaceList": {
       "Race": [
         {
           "Code": {
             "value": "1002"
           }
         }
       ]
     },
     "Gender": {
       "value": "F"
     },
     "BirthDate": "1996-09-12",
     "Title1": {
       "value": "Yes"
     },
     "ELL": {
       "value": "No"
     }
   },
   "LEAInfoRefId": "325335F330A24BCD85E263E5C1EAAF89",
   "SchoolInfoRefId": "0578B825250649DE930BF8916175BBAB",
   "StaffPersonalRefId": "3CD4A20CE2D64C27AE977F02D2CE24B3",
   "SectionInfoRefId": "CE38829615A74E0E9D37CDBFB9F93295"
 }
}
```


XML

```
<AssessmentRegistration RefId="84243B2716EA4A68889B57A07E3707C9" StudentPersonalRefId="0D015F74DAB645FD92EFA8F43F2D79C3" AssessmentAdministrationRefId="
  <CreationDateTime>2006-03-05T09:30:00-05:00</CreationDateTime>
  <StudentSpecialConditions>
    <StudentSpecialCondition Code="45C">Student became ill during test.</StudentSpecialCondition>
  </StudentSpecialConditions>
  <StudentGradeLevel>
    <Code>04</Code>
  </StudentGradeLevel>
  <AssessmentGradeLevel>
    <Code>03</Code>
  </AssessmentGradeLevel>
  <AssessmentStudentSnapshot>
    <RaceList>
      <Race>
        <Code>1002</Code>
      </Race>
    </RaceList>
    <Gender>F</Gender>
    <BirthDate>1996-09-12</BirthDate>
    <Titel>Yes</Titel>
    <ELL>No</ELL>
  </AssessmentStudentSnapshot>
  <LEAInfoRefId>325335F330A24BCD85E263E5C1EAAF89</LEAInfoRefId>
  <SchoolInfoRefId>0578B825250649DE930BF8916175BBAB</SchoolInfoRefId>
  <StaffPersonalRefId>3CD4A20CE2D64C27AE977F02D2CE24B3</StaffPersonalRefId>
  <SectionInfoRefId>CE38829615A74E0E9D37CDBFB9F93295</SectionInfoRefId>
</AssessmentRegistration>
```

Example 3.2.6-1: AssessmentRegistration

3.2.7 AssessmentSubTest

A psychological construct measured by the assessment. Operationally, a subtest is a class of scores on an assessment. Some assessments may have only one subtest or type of score but most assessments measure more than one psychological construct. The subtest can be based upon items in a section or items that are empirically related. Subtests can also be composites of other subtests that are combined using a particular algorithm. Examples of subtests of an assessment are math total, reading composite, total test, and English composition.

SIF_Events are not reported for this object.

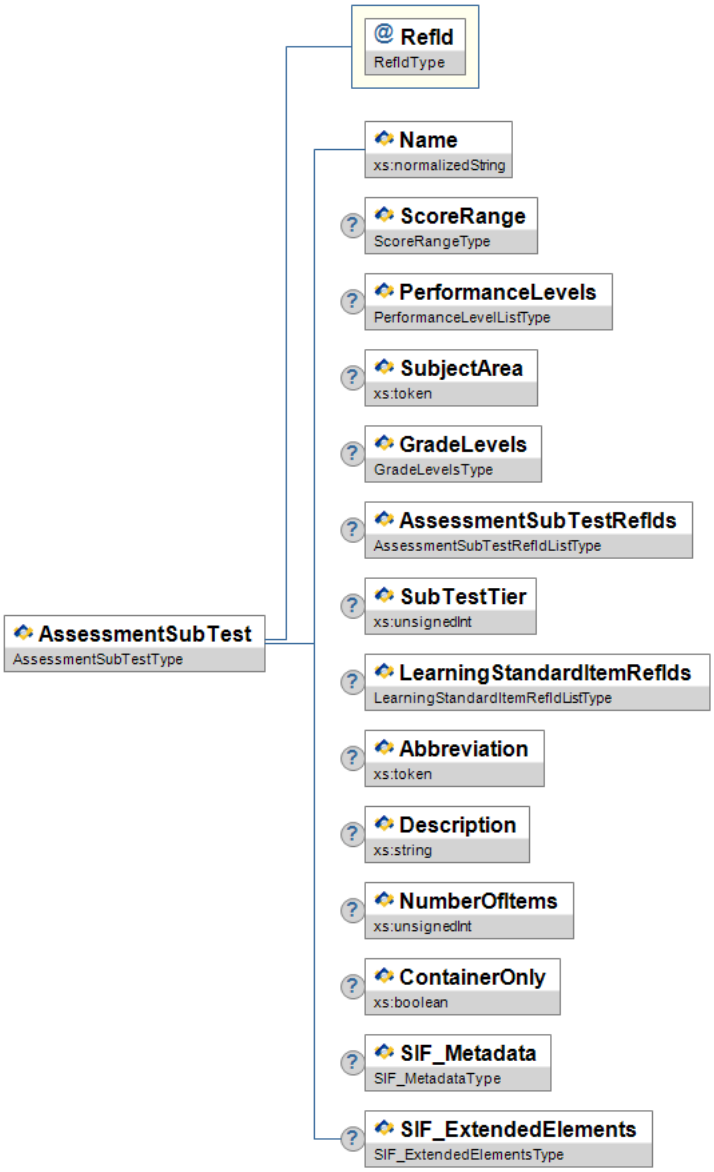


Figure 3.2.7-1: AssessmentSubTest

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssessmentSubTest			A psychological construct measured by the assessment. Operationally, a subtest is a class of scores on an assessment. Some assessments may have only one subtest or type of score but most assessments measure more than one psychological construct. The subtest can be based upon items in a section or items that are empirically related. Subtests can also be composites of other subtests that are combined using a particular algorithm. Examples of subtests of an assessment are math total, reading composite, total test, and English composition.	
@	RefId	M	000367 https://ceds.ed.gov/element/000367	The GUID that uniquely identifies an instance of the object.	RefIdType
	Name	M	000275 https://ceds.ed.gov/element/000275	Text name of the subtest.	xs:normalizedString
	ScoreRange	O		The possible range of scores.	ScoreRangeType
	PerformanceLevels	O		Container for performance level elements.	PerformanceLevelListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SubjectArea	O	000021 https://ceds.ed.gov/element/000021	Content area covered by the score.	xs:token
	GradeLevels	O		Grade levels for which the score is valid.	GradeLevelsType
	AssessmentSubTestRefIds	O		References (possibly recursive) to other SIF AssessmentSubTests. This enables subtests or scores to be composites of other scores. If any references are given here, the score is a composite score. The list must be unique.	AssessmentSubTestRefIdListType
	SubTestTier	O		An integer that defines the level or tier of the score in a multi-level arrangement of composite scores. Zero indicates the highest or root level.	xs:unsignedInt
	LearningStandardItemRefIds	O		References to LearningStandardItems. The list must be unique.	LearningStandardItemRefIdListType
	Abbreviation	O		This is the short version of the name of the assessment that is often used for quick reference and used in reports.	xs:token
	Description	O	000274 https://ceds.ed.gov/element/000274	The description element provides an opportunity to pass additional information about the assessment and also be used for describing elements in a test hierarchy.	xs:string
	NumberOfItems	O	000399 https://ceds.ed.gov/element/000399	This element records the number of items included on the assessment. This number may be different than the possible score.	xs:unsignedInt
	ContainerOnly	O	000026 https://ceds.ed.gov/element/000026	Indicator describing the purpose of an AssessmentSubTest as being that of a container for the child AssessmentSubTests. There will be no scores within this subtest.	xs:boolean
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.2.7-1: AssessmentSubTest

JSON

```
{
  "AssessmentSubTest": {
    "RefId": "90E298F70E094EE2B8B52DFD88006AF2",
    "Name": "Reading Comprehension Subtest",
    "ScoreRange": {
      "ScoreMetric": "0499",
      "Minimum": "0",
      "Maximum": "110"
    },
    "PerformanceLevels": {
      "PerformanceLevel": [
        {
          "LevelName": "Basic",
          "CutScores": {
            "ScoreMetric": "0499",
            "LowerCut": "25",
            "UpperCut": "50"
          }
        }
      ]
    },
    "SubjectArea": "Reading Comprehension",
    "GradeLevels": {
      "GradeLevel": [
        {
          "Code": {
            "value": "03"
          }
        }
      ]
    },
    "AssessmentSubTestRefIds": {
      "AssessmentSubTestRefId": [
        "4710A15C428C48EBBC17CF320B6DCF25"
      ]
    },
    "SubTestTier": 0,
    "LearningStandardItemRefIds": {
      "LearningStandardItemRefId": [
        "3E4BEBCA14E54A118051DFA239A65990"
      ]
    }
  }
}
```


XML


```
<AssessmentSubTest RefId="90E298F70E094EE2B8B52DFD88006AF2">
  <Name>Reading Comprehension Subtest</Name>
  <ScoreRange ScoreMetric="0499">
    <Minimum>0</Minimum>
    <Maximum>110</Maximum>
  </ScoreRange>
  <PerformanceLevels>
    <PerformanceLevel LevelName="Basic">
      <CutScores ScoreMetric="0499">
        <LowerCut>25</LowerCut>
        <UpperCut>50</UpperCut>
      </CutScores>
    </PerformanceLevel>
  </PerformanceLevels>
  <SubjectArea>Reading Comprehension</SubjectArea>
  <GradeLevels>
    <GradeLevel>
      <Code>03</Code>
    </GradeLevel>
  </GradeLevels>
  <AssessmentSubTestRefIds>
    <AssessmentSubTestRefId>4710A15C428C48EBBC17CF320B6DCF25</AssessmentSubTestRefId>
  </AssessmentSubTestRefIds>
  <SubTestTier>0</SubTestTier>
  <LearningStandardItemRefIds>
    <LearningStandardItemRefId>3E4BEBCA14E54A118051DFA239A65990</LearningStandardItemRefId>
  </LearningStandardItemRefIds>
</AssessmentSubTest>
```


Example 3.2.7-1: AssessmentSubTest

3.2.8 ItemCharacteristics

This object provides specific information about each assessment item. This information includes an analysis, psychometric measures, reliability and validity information. This item-level information assists in interpreting assessment scores as well as aide in improving teaching and learning.

SIF_Events are not reported for this object.

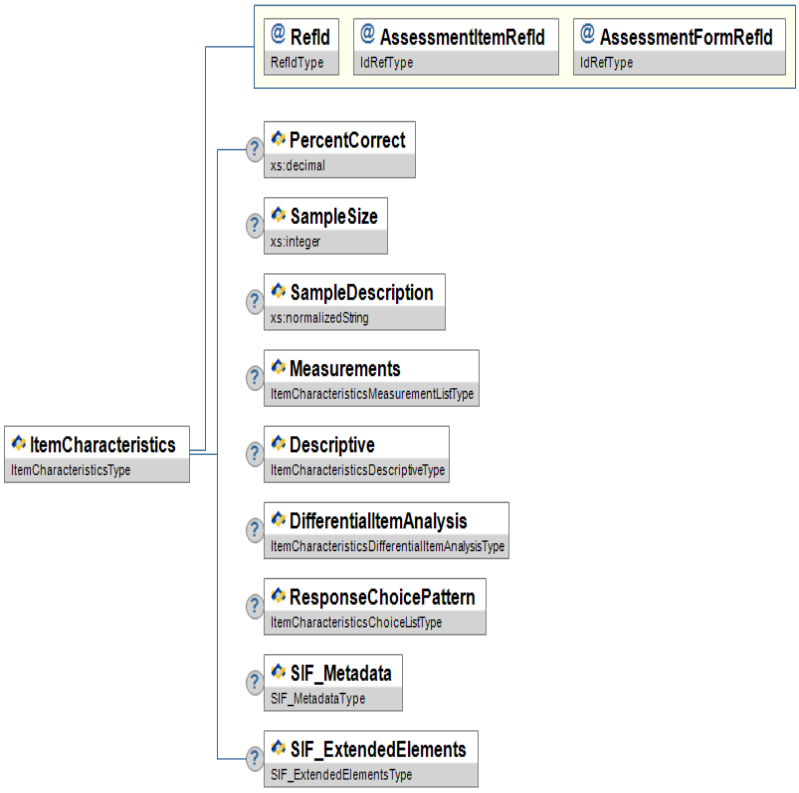


Figure 3.2.8-1: ItemCharacteristics

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ItemCharacteristics			This object provides specific information about each assessment item. This information includes an analysis, psychometric measures, reliability and validity information. This item-level information assists in interpreting assessment scores as well as aide in improving teaching and learning.	
@	RefId	M			RefIdType
@	AssessmentItemRefId	M		This RefId points to the assessment item of which the characteristics are a part.	IdRefType
@	AssessmentFormRefId	M		This RefId points to the assessment form of which the item is a part.	IdRefType
	PercentCorrect	O	000608 https://ceds.ed.gov/element/000608	Number of correct answers in sample.	xs:decimal
	SampleSize	O		Number of total Item exposures.	xs:integer
	SampleDescription	O		The description of the Sample the statistics are based on. May be District name, State or National sample.	xs:normalizedString
	Measurements	O		A repeating group of psychometric measures.	ItemCharacteristicsMeasurementListType
	Descriptive	O		[This element is deprecated as of release 2.5. It is replaced by the Measurements element.]	ItemCharacteristicsDescriptiveType
	DifferentialItemAnalysis	O		[This element is deprecated as of release 2.5. It is replaced by the Measurements element.]	ItemCharacteristicsDifferentialItemAnalysisType
	ResponseChoicePattern	O		The distribution of responses to each choice. This element only applies to multiple choice items.	ItemCharacteristicsChoiceListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.2.8-1: ItemCharacteristics

JSON

```
{
 "ItemCharacteristics": {
   "RefId": "64B0CC6CFB314A328E520A102229CBC8",
   "AssessmentItemRefId": "A328E520A102229CBC864B0CC6CFB314",
   "AssessmentFormRefId": "229CBC864A328E520A102B0CC6CFB314",
   "PercentCorrect": 66.6,
   "SampleSize": 1777,
   "SampleDescription": "District tests only",
   "Measurements": {
     "Measurement": [
       {
         "MeasurementCode": "MSF",
         "MeasurementDescription": "Mean Square Fit",
         "ScaleValue": ".0066",
         "Min": "0.0",
         "Max": "GT 0.0",
         "Optimal": "0.6"
       },
       {
         "MeasurementCode": "WMSF",
         "MeasurementDescription": "Weighted Mean Square Fit",
         "ScaleValue": ".0066",
         "Min": "0.0",
         "Max": "GT 0.0",
         "Optimal": ".2"
       },
       {
         "MeasurementCode": "ZChiSq",
         "MeasurementDescription": "Z Chi Square",
         "ScaleValue": "3.3625",
         "Min": "GT 0.0",
         "Max": "LE 0.0",
         "Optimal": "LT 0.0"
       }
     ]
   },
   "DifferentialItemAnalysis": {
     "CMH": -0.3,
     "MH": -0.15
   },
   "ResponseChoicePattern": {
     "Choice": [
       {
         "ChoiceLabel": "1",
         "Responses": 183
       },
       {
         "ChoiceLabel": "2",
         "Responses": 182
       },
       {
         "ChoiceLabel": "3",
         "Responses": 1184
       },
       {
         "ChoiceLabel": "4",
         "Responses": 228
       }
     ]
   },
   "SIF_Metadata": {
     "TimeElements": {
       "TimeElement": [
         {
           "Type": "Full school year",
           "Code": "01",
           "Name": "2004/2005 School Year",
           "Value": "2004-2005",
           "StartDateTime": "2004-09-01T06:00:00-07:00",
           "EndDateTime": "2005-06-30T13:00:00-07:00",
           "IsCurrent": true
         }
       ]
     },
     "LifeCycle": {
       "Created": {
         "DateTime": "2006-08-13T07:00:00-07:00",
         "Creators": {
           "Creator": [
             {
               "Name": "My Testing Service",
               "ID": "http://www.myTestingService.com"
             }
           ]
         }
       },
       "ModificationHistory": {
         "Modified": [
           {
             "By": "http://www.myTestingService.com",
             "DateTime": "2006-08-17T07:30:00-07:00"
           }
         ]
       }
     }
   }
 }
}
```


XML

```
<ItemCharacteristics RefId="64B0CC6CFB314A328E520A102229CBC8" AssessmentItemRefId="A328E520A102229CBC864B0CC6CFB314" AssessmentFormRefId="229CBC864A328E
  <PercentCorrect>66.6</PercentCorrect>
  <SampleSize>1777</SampleSize>
  <SampleDescription>District tests only</SampleDescription>
  <Measurements>
    <Measurement MeasurementCode="MSF">
      <MeasurementDescription>Mean Square Fit</MeasurementDescription>
      <ScaleValue>.0066</ScaleValue>
      <Min>0.0</Min>
      <Max>GT 0.0</Max>
      <Optimal>0.6</Optimal>
    </Measurement>
    <Measurement MeasurementCode="WMSF">
      <MeasurementDescription>Weighted Mean Square Fit</MeasurementDescription>
      <ScaleValue>.0066</ScaleValue>
      <Min>0.0</Min>
      <Max>GT 0.0</Max>
      <Optimal>.2</Optimal>
    </Measurement>
    <Measurement MeasurementCode="ZChiSq">
      <MeasurementDescription>Z Chi Square</MeasurementDescription>
      <ScaleValue>3.3625</ScaleValue>
      <Min>GT 0.0</Min>
      <Max>LE 0.0</Max>
      <Optimal>LT 0.0</Optimal>
    </Measurement>
  </Measurements>
  <DifferentialItemAnalysis>
    <CMH>-.30</CMH>
    <MH>-.15</MH>
  </DifferentialItemAnalysis>
  <ResponseChoicePattern>
    <Choice>
      <ChoiceLabel>1</ChoiceLabel>
      <Responses>183</Responses>
    </Choice>
    <Choice>
      <ChoiceLabel>2</ChoiceLabel>
      <Responses>182</Responses>
    </Choice>
    <Choice>
      <ChoiceLabel>3</ChoiceLabel>
      <Responses>1184</Responses>
    </Choice>
    <Choice>
      <ChoiceLabel>4</ChoiceLabel>
      <Responses>228</Responses>
    </Choice>
  </ResponseChoicePattern>
  <SIF_Metadata>
    <TimeElements>
      <TimeElement>
        <Type>Full school year</Type>
        <Code>01</Code>
        <Name>2004/2005 School Year</Name>
        <Value>2004-2005</Value>
        <StartDateTime>2004-09-01T08:00:00-05:00</StartDateTime>
        <EndDateTime>2005-06-30T15:00:00-05:00</EndDateTime>
        <IsCurrent>true</IsCurrent>
      </TimeElement>
    </TimeElements>
    <LifeCycle>
      <Created>
        <DateTime>2006-08-13T09:00:00-05:00</DateTime>
        <Creators>
          <Creator>
            <Name>My Testing Service</Name>
            <ID>http://www.myTestingService.com</ID>
          </Creator>
        </Creators>
      </Created>
      <ModificationHistory>
        <Modified>
          <By>http://www.myTestingService.com</By>
          <DateTime>2006-08-17T09:30:00-05:00</DateTime>
        </Modified>
      </ModificationHistory>
    </LifeCycle>
  </SIF_Metadata>
</ItemCharacteristics>
```

Example 3.2.8-1: ItemCharacteristics

3.2.9 StudentResponseSet

This object transmits the student's responses to stimuli presented in an assessment. These are the raw, unscored responses.

SIF_Events are reported for this object.

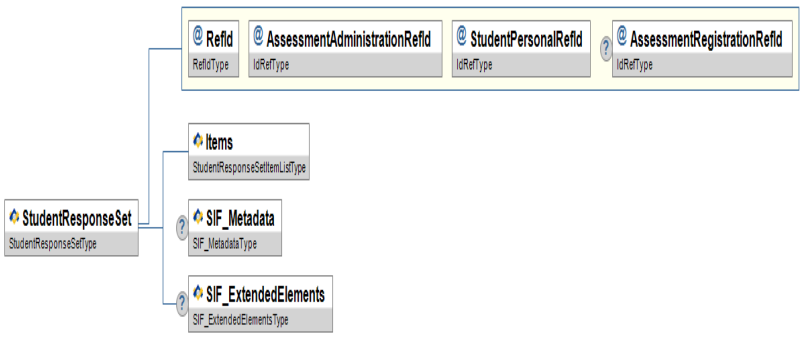


Figure 3.2.9-1: StudentResponseSet

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentResponseSet			This object transmits the student's responses to stimuli presented in an assessment. These are the raw, unscored responses.	
@	RefId	M		The GUID that uniquely identifies an instance of the object.	RefIdType
@	AssessmentAdministrationRefId	M		The administration associated with the response set.	IdRefType
@	StudentPersonalRefId	M		The student associated with the response set.	IdRefType
@	AssessmentRegistrationRefId	O		The registration associated with the response set.	IdRefType
	Items	M		Container for item elements.	StudentResponseSetItemListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.2.9-1: StudentResponseSet

JSON

```
{
  "StudentResponseSet": {
    "RefId": "A32F55CC14004172A7CD8E8FB5187DD0",
    "AssessmentAdministrationRefId": "BB181B05598C46D2B8D533483D91392E",
    "StudentPersonalRefId": "8F0934CC2F0448F8BBD788AA1ADE691B",
    "Items": {
      "Item": [
        {
          "Response": "C",
          "ResponseLocation": "http://assessments-r-us.com/29834928374/2394/response.html",
          "ResponseStatus": {
            "value": "Incomplete"
          },
          "ResponseTime": "PT32S",
          "ItemNumber": "27",
          "ItemName": "Writing Sample 1",
          "DiagnosticStatement": "Shows ability to determine symmetry",
          "NumberOfAttempts": 2
        }
      ]
    }
  }
}
```

XML

```
<StudentResponseSet RefId="A32F55CC14004172A7CD8E8FB5187DD0" AssessmentAdministrationRefId="BB181B05598C46D2B8D533483D91392E" StudentPersonalRefId="8F09
  <Items>
    <Item>
      <Response>C</Response>
      <ResponseLocation>http://assessments-r-us.com/29834928374/2394/response.html</ResponseLocation>
      <ResponseStatus>Incomplete</ResponseStatus>
      <ResponseTime>PT32S</ResponseTime>
      <ItemNumber>27</ItemNumber>
      <ItemName>Writing Sample 1</ItemName>
      <DiagnosticStatement>Shows ability to determine symmetry</DiagnosticStatement>
      <NumberOfAttempts>2</NumberOfAttempts>
    </Item>
  </Items>
</StudentResponseSet>
```

Example 3.2.9-1: StudentResponseSet - Example 1

JSON

```
{
 "StudentResponseSet": {
   "RefId": "A32F55CC14004172A7CD8E8FB5187DD0",
   "AssessmentAdministrationRefId": "BB181B05598C46D2B8D533483D91392E",
   "StudentPersonalRefId": "8F0934CC2F0448F8BBD788AA1ADE691B",
   "Items": {
     "Item": [
       {
         "Response": "C",
         "ResponseLocation": "http://assessments-r-us.com/29834928374/2394/response.html",
         "ResponseStatus": {
           "value": "Incomplete"
         },
         "ResponseTime": "PT32S",
         "ItemNumber": "27",
         "ItemName": "Writing Sample 1",
         "DiagnosticStatement": "Shows ability to determine symmetry",
         "NumberOfAttempts": 2,
         "ItemScore": "5",
         "ItemAidSetUsed": "Calculator"
       }
     ]
   }
 }
}
```


XML


```
<StudentResponseSet RefId="A32F55CC14004172A7CD8E8FB5187DD0" AssessmentAdministrationRefId="BB181B05598C46D2B8D533483D91392E" StudentPersonalRefId="8F09
  <Items>
    <Item>
      <Response>C</Response>
      <ResponseLocation>http://assessments-r-us.com/29834928374/2394/response.html</ResponseLocation>
      <ResponseStatus>Incomplete</ResponseStatus>
      <ResponseTime>PT32S</ResponseTime>
      <ItemNumber>27</ItemNumber>
      <ItemName>Writing Sample 1</ItemName>
      <DiagnosticStatement>Shows ability to determine symmetry</DiagnosticStatement>
      <NumberOfAttempts>2</NumberOfAttempts>
      <ItemScore>5</ItemScore>
      <ItemAidSetUsed>Calculator</ItemAidSetUsed>
    </Item>
  </Items>
</StudentResponseSet>
```


Example 3.2.9-2: StudentResponseSet - Example 2

3.2.10 StudentScoreSet

The scored results from an assessment.

SIF_Events are reported for this object.

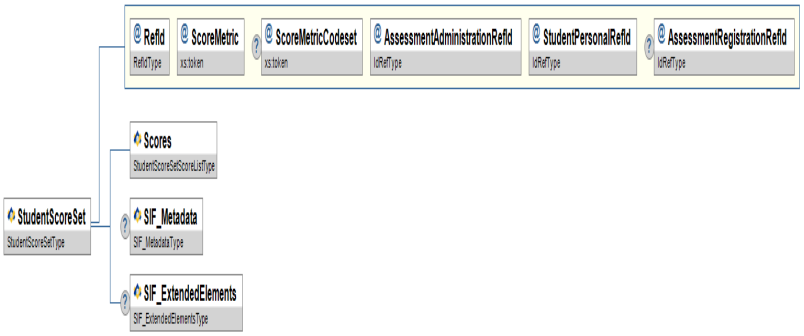


Figure 3.2.10-1: StudentScoreSet

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentScoreSet			The scored results from an assessment.	
@	RefId	M		The GUID that uniquely identifies an instance of the object.	RefIdType
@	ScoreMetric	M	000417 https://ceds.ed.gov/element/000417	The metric or scale used to report the score.	xs:token
@	ScoreMetricCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	AssessmentAdministrationRefId	M		The administration associated with this score set.	IdRefType
@	StudentPersonalRefId	M		The student associated with this score set.	IdRefType
@	AssessmentRegistrationRefId	O		The registration associated with this score set.	IdRefType
	Scores	M		Container for score elements.	StudentScoreSetScoreListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.2.10-1: StudentScoreSet

JSON

```
{
  "StudentScoreSet": {
    "RefId": "5810E283E928459CBBA76EFE1963F784",
    "ScoreMetric": "0512",
    "AssessmentAdministrationRefId": "1F971F3D414E4146932566638290E6C1",
    "StudentPersonalRefId": "8F0934CC2F0448F8BBD788AA1ADE691B",
    "Scores": {
      "Score": [
        {
          "AssessmentSubTestRefId": "E5EDAE63A04D47E49D0224A32956B074",
          "ScoreValue": "25",
          "DiagnosticStatement": "Shows ability to identify symmetry."
        }
      ]
    }
  }
}
```

XML

```
<StudentScoreSet RefId="5810E283E928459CBBA76EFE1963F784" ScoreMetric="0512" AssessmentAdministrationRefId="1F971F3D414E4146932566638290E6C1" StudentPer
  <Scores>
    <Score AssessmentSubTestRefId="E5EDAE63A04D47E49D0224A32956B074">
      <ScoreValue>25</ScoreValue>
      <DiagnosticStatement>Shows ability to identify symmetry.</DiagnosticStatement>
    </Score>
  </Scores>
</StudentScoreSet>
```

Example 3.2.10-1: StudentScoreSet

3.3 Data Model Task Force

3.3.1 SEAInfo

This object is designed to facilitate the transfer of State Education Agency (SEA) directory information to the Department of Education (USED) through the Education Data Exchange Network (EDEN).

SIF_Events are not reported for this object.

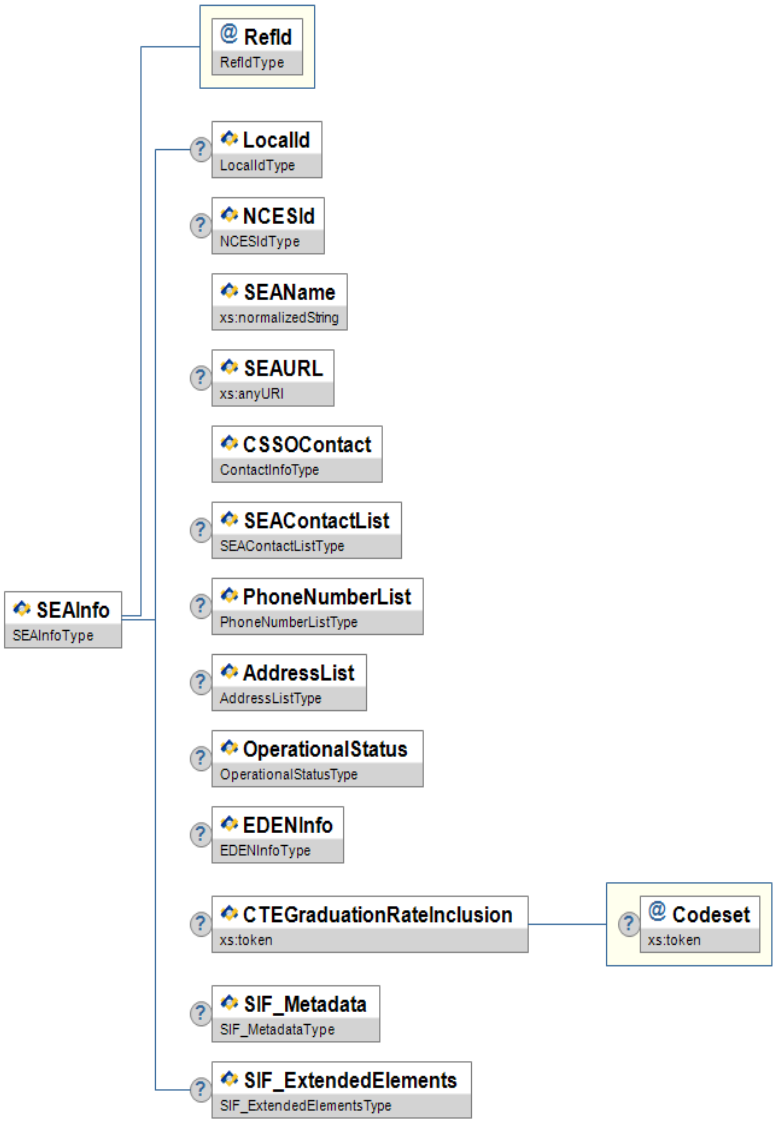


Figure 3.3.1-1: SEAInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SEAInfo			This object is designed to facilitate the transfer of State Education Agency (SEA) directory information to the Department of Education (USED) through the Education Data Exchange Network (EDEN).	
@	RefId	M		The GUID of the SEA whose information this is.	RefIdType
	LocalId	O	001490 https://ceds.ed.gov/element/001490	The locally-assigned identifier for this SEA.	LocalIdType
	NCESId	O		The NCES-assigned identifier for this SEA.	NCESIdType
	SEAName	M	002191 https://ceds.ed.gov/element/002191	The full legally accepted name of the SEA.	xs:normalizedString
	SEAURL	O		URL for the SEA.	xs:anyURI
	CSSOContact	M		Chief State School Officer contact information.	ContactInfoType
	SEAContactList	O		Information on contact persons for this SEA.	SEAContactListType
	PhoneNumberList	O		The SEA's phone number(s).	PhoneNumberListType
	AddressList	O		The SEA's address(es).	AddressListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OperationalStatus	O		This element is deprecated as of SIF Data Model Implementation Specification v2.5. This element applies to LEAs but not to SEAs.	OperationalStatusType
	EDENInfo	O		Container element for EDEN-specific information.	EDENInfoType
	CTEGraduationRateInclusion	O	000075 https://ceds.ed.gov/element/000075	An indication of how CTE concentrators are included in the state's computation of its graduation rate.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.3.1-1: SEAInfo

JSON


```
{
 "SEAInfo": {
   "RefId": "D3E34B359D75101A8C3D00AA001A1652",
   "SEAName": "Illinois State Board of Education",
   "SEAURL": "http://www.isbe.net",
   "CSSOContact": {
     "Name": {
       "Type": "08",
       "LastName": "Geisel",
       "FirstName": "Theodore"
     },
     "PositionTitle": "Superintendent",
     "EmailList": {
       "Email": [
         {
           "Type": "Primary",
           "value": "drseuss@isbe.net"
         }
       ]
     },
     "PhoneNumberList": {
       "PhoneNumber": [
         {
           "Type": "0096",
           "Number": "(312) 555-0102"
         }
       ]
     }
   },
   "PhoneNumberList": {
     "PhoneNumber": [
       {
         "Type": "0096",
         "Number": "5555551234"
       }
     ]
   },
   "AddressList": {
     "Address": [
       {
         "Type": "0123",
         "Street": {
           "Line1": "1 IBM Plaza",
           "Line2": "Suite 2000",
           "StreetNumber": "1",
           "StreetName": "IBM",
           "StreetType": "Plaza",
           "ApartmentType": "Suite",
           "ApartmentNumber": "2000"
         },
         "City": "Chicago",
         "StateProvince": {
           "value": "IL"
         },
         "Country": {
           "value": "US"
         },
         "PostalCode": "60611"
       }
     ]
   },
   "EDENInfo": {
     "FIPSStateCode": {
       "value": "99"
     },
     "AgencyIdNumber": "01"
   }
 }
}
```


XML

```
<SEAInfo RefId="D3E34B359D75101A8C3D00AA001A1652">
  <SEAName>Illinois State Board of Education</SEAName>
  <SEAURL>http://www.isbe.net</SEAURL>
  <CSSOContact>
    <Name Type="08">
      <LastName>Geisel</LastName>
      <FirstName>Theodore</FirstName>
    </Name>
    <PositionTitle>Superintendent</PositionTitle>
    <EmailList>
      <Email Type="Primary">drseuss@isbe.net</Email>
    </EmailList>
    <PhoneNumberList>
      <PhoneNumber Type="0096">
        <Number>(312) 555-0102</Number>
      </PhoneNumber>
    </PhoneNumberList>
  </CSSOContact>
  <PhoneNumberList>
    <PhoneNumber Type="0096">
      <Number>5555551234</Number>
    </PhoneNumber>
  </PhoneNumberList>
  <AddressList>
    <Address Type="0123">
      <Street>
        <Line1>1 IBM Plaza</Line1>
        <Line2>Suite 2000</Line2>
        <StreetNumber>1</StreetNumber>
        <StreetName>IBM</StreetName>
        <StreetType>Plaza</StreetType>
        <ApartmentType>Suite</ApartmentType>
        <ApartmentNumber>2000</ApartmentNumber>
      </Street>
      <City>Chicago</City>
      <StateProvince>IL</StateProvince>
      <Country>US</Country>
      <PostalCode>60611</PostalCode>
    </Address>
  </AddressList>
  <EDENInfo>
    <FIPSStateCode>99</FIPSStateCode>
    <AgencyIdNumber>01</AgencyIdNumber>
  </EDENInfo>
</SEAInfo>
```

Example 3.3.1-1: SEAInfo

3.3.2 StudentLEARelationship

The purpose of the `StudentLEARelationship` object is to represent the current information available regarding a single student's relationship/affiliation to a single LEA for a specific school year as of the time a `SIF_Event` or `SIF_Response` is generated by the system of record. This object is not designed to operate on a historical/longitudinal basis in the default context.

`StudentLEARelationship` instances must not span multiple school years.

Only one instance of the `StudentLEARelationship` object with `MembershipType=Home` may exist for a specific time interval between `EntryDate` and `ExitDate` (inclusive) for a given student, LEA, and school year.

Multiple instances of the `StudentLEARelationship` object with `MembershipType=Concurrent` may exist for a specific time interval between `EntryDate` and `ExitDate` (inclusive) for a given student, LEA, and school year.

Multiple instances of `StudentLEARelationship` will occur for specific or overlapping time intervals if a student has affiliations with multiple LEA's. This will most likely be detected during aggregate data collection from multiple LEA's. Since `StudentLEARelationship/@RefId` and `StudentLEARelationship/@StudentPersonalRefId` are zone-specific, external mechanisms (e.g. student locator) would be required to correlate multiple instances of a single student affiliating with multiple LEA's.

SIF_Events are reported for this object.

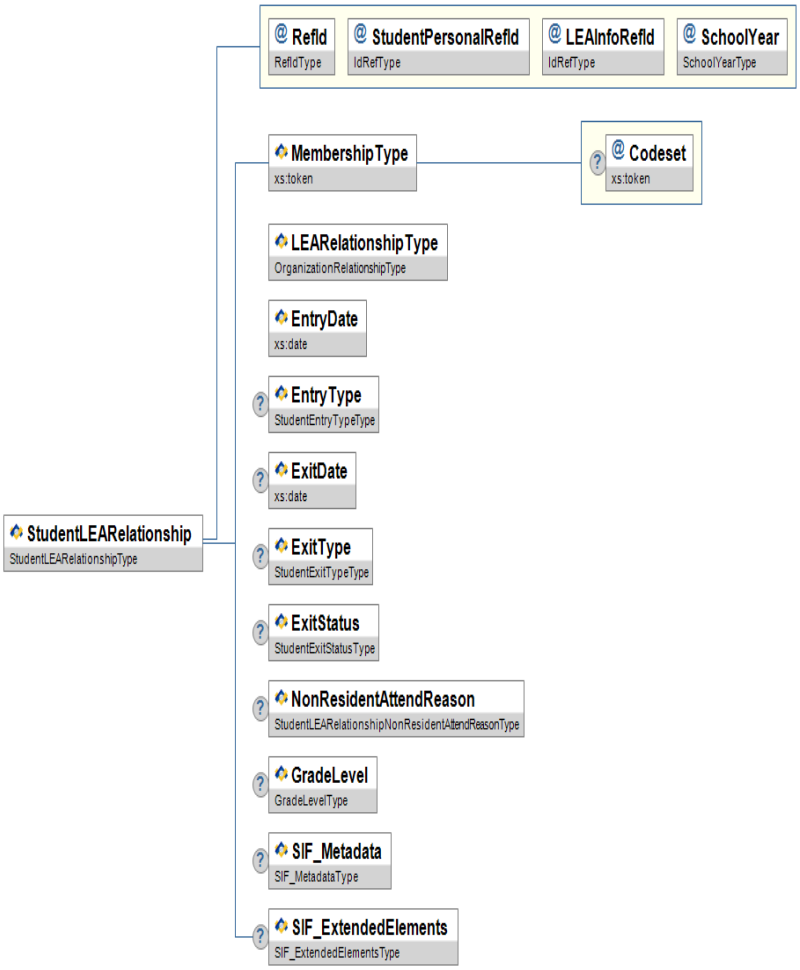


Figure 3.3.2-1: StudentLEARelationship

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentLEARelationship			The purpose of the `StudentLEARelationship` object is to represent the current information available regarding a single student's relationship/affiliation to a single LEA for a specific school year as of the time a `SIF_Event` or `SIF_Response` is generated by the system of record. This object is not designed to operate on a historical/longitudinal basis in the default context. `StudentLEARelationship` instances must not span multiple school years. Only one instance of the `StudentLEARelationship` object with `MembershipType=Home` may exist for a specific time interval between `EntryDate` and `ExitDate` (inclusive) for a given student, LEA, and school year. Multiple instances of the `StudentLEARelationship` object with `MembershipType=Concurrent` may exist for a specific time interval between `EntryDate` and `ExitDate` (inclusive) for a given student, LEA, and school year. Multiple instances of `StudentLEARelationship` will occur for specific or overlapping time intervals if a student has affiliations with multiple LEA's. This will most likely be detected during aggregate data collection from multiple LEA's. Since `StudentLEARelationship/@RefId` and `StudentLEARelationship/@StudentPersonalRefId` are zone-specific, external mechanisms (e.g. student locator) would be required to correlate multiple instances of a single student affiliating with multiple LEA's.	
@ 🔑	RefId	M		The unique identifier for a particular affiliation between a student and a LEA.	`RefIdType`
@	StudentPersonalRefId	M		The SIF RefId of the `StudentPersonal` object to which this instance of `StudentLEARelationship` refers.	`IdRefType`

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	LEAInfoRefId	M		The SIF RefId of the `LEAInfo` object to which this instance of `StudentLEARelationship` refers.	`IdRefType`
@	SchoolYear	M		Contains the SIF school year to which this instance of `StudentLEARelationship` applies. `StudentLEARelationship` must not span multiple school years.	`SchoolYearType`
	MembershipType	M		The type of this affiliation as it relates to the LEA identified in `LEAInfoRefId`.	`xs:token`
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	`xs:token`
	LEARelationshipType	M		An instance of the OrganizationRelationshipType common element that describes the details of the student's affiliation with the LEA.	`OrganizationRelationshipType`
	EntryDate	M		The date from when this affiliation is valid.	`xs:date`
	EntryType	O			`StudentEntryTypeType`
	ExitDate	C		The last school calendar day (membership day) the student was affiliated with the LEA (inclusive). The conditional characteristic of this element is defined such that if the student has exited the LEA, then `ExitDate` must have a value.	`xs:date`
	ExitType	O			`StudentExitTypeType`
	ExitStatus	O			`StudentExitStatusType`
	NonResidentAttendReason	C			`StudentLEARelationshipNonResidentAttendReasonType`
	GradeLevel	O		The grade or academic level of the student.	`GradeLevelType`
	SIF_Metadata	O			`SIF_MetadataType`
	SIF_ExtendedElements	O			`SIF_ExtendedElementsType`

Table 3.3.2-1: StudentLEARelationship

JSON


```
{
  "StudentLEARelationship": {
    "RefId": "98C3D3224B35AA75101D00AA201B1652",
    "StudentPersonalRefId": "D3E34B359D75101A8C3D00AA001A1652",
    "LEAInfoRefId": "D3E34B359D7511AA223D00AA001A165A",
    "SchoolYear": "2007",
    "MembershipType": {
      "value": "Home"
    },
    "LEARelationshipType": {
      "ResidencyStatus": {
        "Code": {
          "value": "1652"
        }
      },
      "ProvidingInstruction": true,
      "ProvidingServices": true,
      "FinanciallyResponsible": true
    },
    "EntryDate": "2007-08-15",
    "EntryType": {
      "Code": {
        "value": "1838"
      }
    },
    "GradeLevel": {
      "Code": {
        "value": "10"
      }
    }
  }
}
```


XML

```
<StudentLEARelationship RefId="98C3D3224B35AA75101D00AA201B1652" StudentPersonalRefId="D3E34B359D75101A8C3D00AA001A1652" LEAInfoRefId="D3E34B359D7511AA2
  <MembershipType>Home</MembershipType>
  <LEARelationshipType>
    <ResidencyStatus>
      <Code>1652</Code>
    </ResidencyStatus>
    <ProvidingInstruction>true</ProvidingInstruction>
    <ProvidingServices>true</ProvidingServices>
    <FinanciallyResponsible>true</FinanciallyResponsible>
  </LEARelationshipType>
  <EntryDate>2007-08-15</EntryDate>
  <EntryType>
    <Code>1838</Code>
  </EntryType>
  <GradeLevel>
    <Code>10</Code>
  </GradeLevel>
</StudentLEARelationship>
```

Example 3.3.2-1: StudentLEARelationship

3.3.3 SEAAccountability

Holds EDFacts accountability elements for a State Education Agency.

SIF_Events are reported for this object.

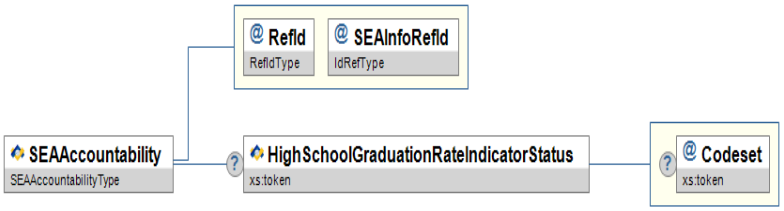


Figure 3.3.3-1: SEAAccountability

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SEAAccountability			Holds EDFacts accountability elements for a State Education Agency.	
@	RefId	M		The Id (GUID) that uniquely identifies the State Education Agency.	RefIdType
@	SEAInfoRefId	M		The Id (GUID) that identifies the SEA where accountability is being tracked.	IdRefType
	HighSchoolGraduationRateIndicatorStatus	O	000140 https://ceds.ed.gov/element/000140	An indication of whether the school or district met the High School Graduation Rate requirement in accordance with state definition for the purposes of determining AYP.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table 3.3.3-1: SEAAccountability

3.3.4 SEAFederalFund

Holds federal funding elements for a State Education Agency.

SIF_Events are reported for this object.

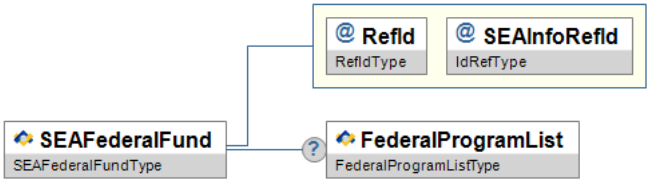


Figure 3.3.4-1: SEAFederalFund

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SEAFederalFund			Holds federal funding elements for an SEA.	
@	RefId	M		The Id (GUID) that uniquely identifies the SEA.	RefIdType
@	SEAInfoRefId	M		The Id (GUID) that identifies the school where federal funds being tracked.	IdRefType
	FederalProgramList	O		The federal programs the SEA is participating in.	FederalProgramListType

Table 3.3.4-1: SEAFederalFund

3.4 Data Warehouse Working Group

The mission of the Data Warehouse Working Group is to lead the definition of the detailed data that schools and parents need to improve student achievement and organizational effectiveness. It will represent to the other SIF Association working groups the interests of the school administrators, guidance counselors, teachers, parents and students who can benefit from the analysis of integrated SIF K-12 data.

3.4.1 AggregateStatisticInfo

This object defines the data that is being aggregated as well as the type of measurement that is being performed.

SIF_Events are reported for this object.

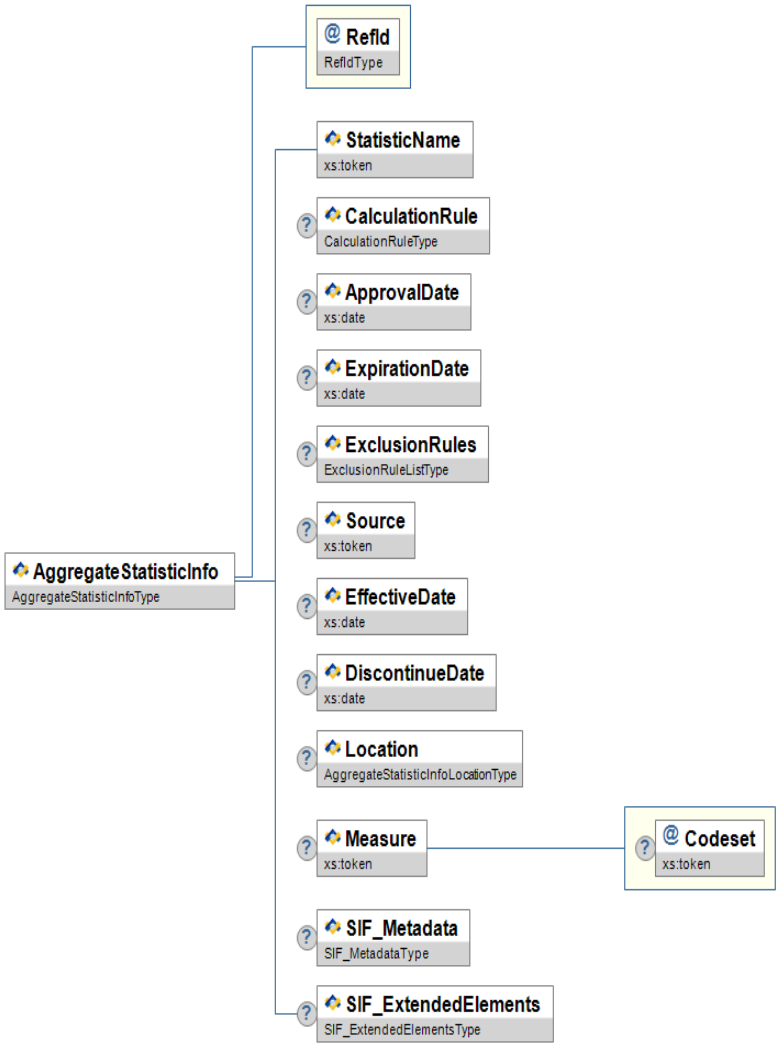


Figure 3.4.1-1: AggregateStatisticInfo

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AggregateStatisticInfo			This object defines the data that is being aggregated as well as the type of measurement that is being performed.	
@	RefId	M		Key	RefIdType
	StatisticName	M		Name of Aggregate Statistic Examples Total Enrollment Diploma Recipients	xs:token
	CalculationRule	O		Rule for calculating the aggregate statistic	CalculationRuleType
	ApprovalDate	O		Date for which the statistic is initially valid	xs:date
	ExpirationDate	O		Date after which the statistic is no longer valid	xs:date
	ExclusionRules	O		Rules for which statistic may not be reported.	ExclusionRuleListType
	Source	O		System providing the data: i.e., SIS, Transportation,	xs:token
	EffectiveDate	O		Effective date of the statistic	xs:date
	DiscontinueDate	O		Discontinue date of the statistic	xs:date
	Location	O			AggregateStatisticInfoLocationType
	Measure	O		Type of the statistic.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.4.1-1: AggregateStatisticInfo

JSON

```
{
  "AggregateStatisticInfo": {
    "RefId": "A5DECBD3161B4F5D9F46EBA64C87B002",
    "StatisticName": "Read Proficiency L1",
    "CalculationRule": {
      "Type": "Description",
      "value": "Number of students scoring at Reading Proficiency Level 1"
    },
    "ApprovalDate": "2002-09-01",
    "ExpirationDate": "2006-06-30",
    "ExclusionRules": {
      "ExclusionRule": [
        {
          "Type": "SampleSize",
          "value": "N less than 10"
        }
      ]
    },
    "Source": "SIS",
    "Location": {
      "Type": "School",
      "LocationName": "Green River High School",
      "LocationRefId": {
        "SIF_RefObject": "SchoolInfo",
        "value": "279BCEE5515E4C1AAC3A765D1F069BC3"
      }
    },
    "Measure": {
      "value": "Count"
    }
  }
}
```


XML


```
<AggregateStatisticInfo RefId="A5DECBD3161B4F5D9F46EBA64C87B002">
  <StatisticName>Read Proficiency L1</StatisticName>
  <CalculationRule Type="Description">Number of students scoring at Reading Proficiency Level 1</CalculationRule>
  <ApprovalDate>2002-09-01</ApprovalDate>
  <ExpirationDate>2006-06-30</ExpirationDate>
  <ExclusionRules>
    <ExclusionRule Type="SampleSize">N less than 10</ExclusionRule>
  </ExclusionRules>
  <Source>SIS</Source>
  <Location Type="School">
    <LocationName>Green River High School</LocationName>
    <LocationRefId SIF_RefObject="SchoolInfo">279BCEE5515E4C1AAC3A765D1F069BC3</LocationRefId>
  </Location>
  <Measure>Count</Measure>
</AggregateStatisticInfo>
```


Example 3.4.1-1: AggregateStatisticInfo

3.4.2 AggregateCharacteristicInfo

This object defines the attribute of a group of objects that implicitly or explicitly defines a subset of the group.

SIF_Events are reported for this object.

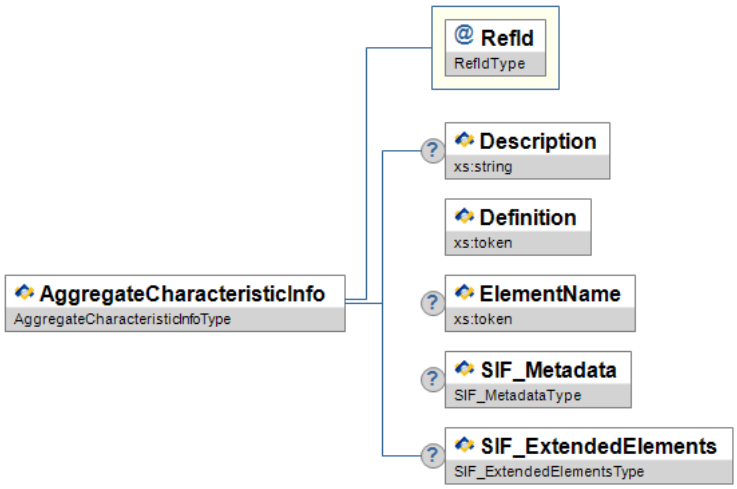


Figure 3.4.2-1: AggregateCharacteristicInfo

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AggregateCharacteristicInfo			This object defines the attribute of a group of objects that implicitly or explicitly defines a subset of the group.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	RefId	M		Key for aggregate characteristic information.	RefIdType
	Description	O		Describes the supercategory of the characteristic described in the `Definition` element below. Examples Gender Ethnicity Grade Economic Status LEP Status IEP Status Migrant Status	xs:string
	Definition	M		Defines the aggregate characteristic information. Examples White Male Dropout	xs:token
	ElementName	O		Reference to SIF elements or external authority (e.g., `StudentPersonal/Gender`). Examples Dropout Status	xs:token
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.4.2-1: AggregateCharacteristicInfo

JSON

```
{
  "AggregateCharacteristicInfo": {
    "RefId": "06AF1D69FB064AB388983505714F18FB",
    "Description": "Ethnicity",
    "Definition": "Hispanic",
    "ElementName": "StudentPersonal/Demographics/Ethnicity"
  }
}
```

XML

```
<AggregateCharacteristicInfo RefId="06AF1D69FB064AB388983505714F18FB">
  <Description>Ethnicity</Description>
  <Definition>Hispanic</Definition>
  <ElementName>StudentPersonal/Demographics/Ethnicity</ElementName>
</AggregateCharacteristicInfo>
```

Example 3.4.2-1: AggregateCharacteristicInfo

3.4.3 AggregateStatisticFact

This object is the actual value of the measurement. It is always associated with one statistic and one or more characteristics.

SIF_Events are reported for this object.

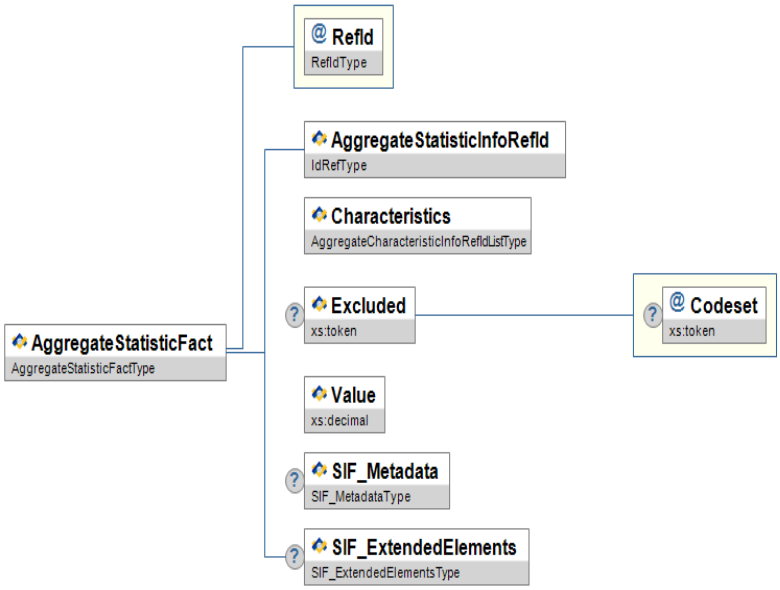


Figure 3.4.3-1: AggregateStatisticFact

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AggregateStatisticFact			This object is the actual value of the measurement. It is always associated with one statistic and one or more characteristics.	
@	RefId	M			RefIdType
	AggregateStatisticInfoRefId	M		Reference to statistic defined by `AggregateStatisticInfo`.	IdRefType
	Characteristics	M		Reference to one or more `AggregateCharacteristicInfo` objects.	AggregateCharacteristicInfoRefIdListType
	Excluded	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Value	M		Value of the fact.	xs:decimal
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.4.3-1: AggregateStatisticFact

JSON

```
{
  "AggregateStatisticFact": {
    "RefId": "3A4E2822C696433B812B49DEAE557E41",
    "AggregateStatisticInfoRefId": "91A4209F7F4F4F4B9DC8D21CEFD1DC2F",
    "Characteristics": {
      "AggregateCharacteristicInfoRefId": [
        "0B972D8644EE4D7994F5FF1C3131772D"
      ]
    },
    "Excluded": {
      "value": "No"
    },
    "Value": 27
  }
}
```

XML

```
<AggregateStatisticFact RefId="3A4E2822C696433B812B49DEAE557E41">
  <AggregateStatisticInfoRefId>91A4209F7F4F4F4B9DC8D21CEFD1DC2F</AggregateStatisticInfoRefId>
  <Characteristics>
    <AggregateCharacteristicInfoRefId>0B972D8644EE4D7994F5FF1C3131772D</AggregateCharacteristicInfoRefId>
  </Characteristics>
  <Excluded>No</Excluded>
  <Value>27</Value>
</AggregateStatisticFact>
```

Example 3.4.3-1: AggregateStatisticFact

3.5 Facilities and Energy Management

The Facility and Energy Management Project Team is responsible for the planning and designing of data objects for energy usage

3.5.1 EnergyUsage

The Facility and Energy Management objects are used to report energy usage and associated environmental information; and to convey the results of the analysis of that information in standardized reports. The Energy Usage Object provides multiple information sources with the opportunity to publish time-based events containing Energy Usage data for a school building or facility. This information includes:

- Thermostat settings and outside temperature measurements from the Building Automation System
- Dynamic energy demand costs from smart meters or data from typed-in utility bill monthly spreadsheets
- Energy Usage information from shadow meters (which intercept BAS readings) from an Energy Management System

The primary goal of this object is to allow maximum flexibility in the ways in which a SIF Zone may be utilized to gather energy management data published by multiple sources, while leaving it to the Energy Analysis program (the subscriber) to take the varied data events issued in conformance with this SIF standard, and correlate them into a unified format which it can use. In general this will involve storing the information in the equivalent of an Energy Management longitudinal data system (LDS).

Please see Appendix E: Energy Management Notes for more detail about this object.

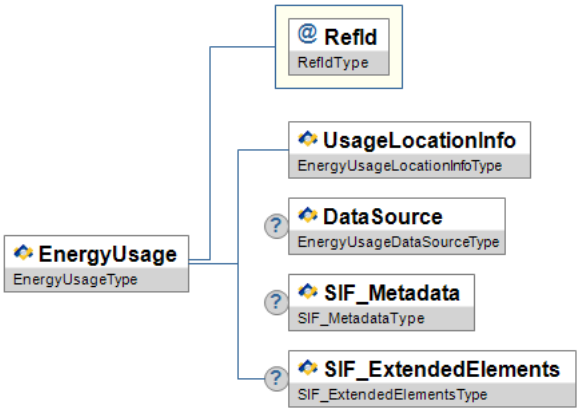


Figure 3.5.1-1: EnergyUsage

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EnergyUsage			This object contains energy usage information for an energy location.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is a “transient” value; that is, it SHOULD be generated by the provider at the time the object is provided in a Response message. This value MUST NOT be used in a later Request for the object.	RefIdType
	UsageLocationInfo	M		Complex element containing the location of where measurements apply to.	EnergyUsageLocationInfoType
	DataSource	O		The description of the source of the measurements.	EnergyUsageDataSourceType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.5.1-1: EnergyUsage

JSON

```
{
  "EnergyUsage": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "UsageLocationInfo": {
      "SchoolId": "urn:sif:school:AcmeMiddleSchool1.CoyoteDistrict.Arizona",
      "Building": "HS14",
      "EnergyZone": {
        "Type": {
          "Facility": {
            "value": "Floor"
          }
        },
        "EnergyZoneName": "2nd ",
        "TagList": {
          "Tag": [
            {
              "Name": "AirHandler ",
              "Value": "2-50"
            }
          ]
        }
      }
    },
    "DataSource": {
      "System": "HoneywellBAS 1012",
      "StartTime": "2011-12-04T21:00:00-08:00",
      "ReadingDataList": {
        "ReadingData": [
          {
            "Measurement": {
              "value": "Electrical"
            },
            "SensorId": "102211101",
            "Interval": 15,
            "EnergyUnits": {
              "value": "Kilowatt-Hour"
            },
            "ReadingName": "Electrical-102211101",
            "ReadingList": {
              "Reading": [
                {
                  "IntervalIndex": "0",
                  "value": 541
                },
                {
                  "IntervalIndex": "1",
                  "value": 566
                },
                {
                  "IntervalIndex": "2",
                  "value": 502
                }
              ]
            }
          },
          {
            "Measurement": {
              "value": "Electrical"
            },
            "SensorId": "102233302",
            "Interval": 15,
            "EnergyUnits": {
              "value": "Kilowatt-Hour"
            },
            "ReadingName": "Electrical-102233302",
            "ReadingList": {
              "Reading": [
                {
                  "IntervalIndex": "0",
                  "value": 2241
                },
                {
                  "IntervalIndex": "1",
                  "value": 2643
                },
                {
                  "IntervalIndex": "2",
                  "value": 2491
                }
              ]
            }
          }
        ]
      }
    }
  }
}
```


XML

```
<EnergyUsage RefId="359D75101AD0A9D7A8C3DAD0A85103A2">
  <UsageLocationInfo>
    <SchoolId>urn:sif:school:AcmeMiddleSchool1.CoyoteDistrict.Arizona</SchoolId>
    <Building>HS14</Building>
    <EnergyZone>
      <Type>
        <Facility>Floor</Facility>
      </Type>
      <EnergyZoneName>2nd </EnergyZoneName>
      <TagList>
        <Tag>
          <Name>AirHandler </Name>
          <Value>2-50</Value>
        </Tag>
      </TagList>
    </EnergyZone>
  </UsageLocationInfo>
  <DataSource>
    <System>HoneywellBAS 1012</System>
    <StartTime>2011-12-05T10:00:00+05:00</StartTime>
    <ReadingDataList>
      <ReadingData>
        <Measurement>Electrical</Measurement>
        <SensorId>102211101</SensorId>
        <Interval>15</Interval>
        <EnergyUnits>Kilowatt-Hour</EnergyUnits>
        <ReadingName>Electrical-102211101</ReadingName>
        <ReadingList>
          <Reading IntervalIndex="0">541</Reading>
          <Reading IntervalIndex="1">566</Reading>
          <Reading IntervalIndex="2">502</Reading>
        </ReadingList>
      </ReadingData>
      <ReadingData>
        <Measurement>Electrical</Measurement>
        <SensorId>102233302</SensorId>
        <Interval>15</Interval>
        <EnergyUnits>Kilowatt-Hour</EnergyUnits>
        <ReadingName>Electrical-102233302</ReadingName>
        <ReadingList>
          <Reading IntervalIndex="0">2241</Reading>
          <Reading IntervalIndex="1">2643</Reading>
          <Reading IntervalIndex="2">2491</Reading>
        </ReadingList>
      </ReadingData>
    </ReadingDataList>
  </DataSource>
</EnergyUsage>
```

Example 3.5.1-1: EnergyUsage

3.6 Food Services Working Group

The Food Services Working Group specifies, implements, and promotes a standard set of messages and automated communication mechanisms that allow computer applications for the food service sector of the education industry to effectively exchange information with all SIF applications.

3.6.1 FoodserviceItem

This object communicates information about food service items.

SIF_Events are reported for this object.

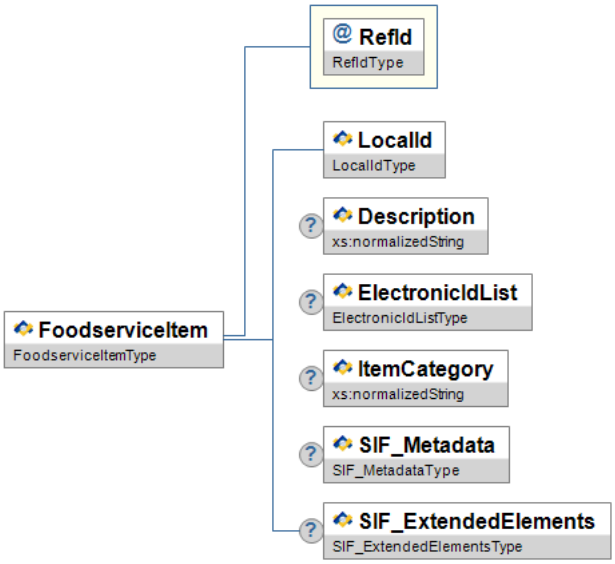


Figure 3.6.1-1: FoodserviceItem

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceItem				

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	RefId	M		GUID that identifies this item	RefIdType
	LocalId	M		Item number as presented to user.	LocalIdType
	Description	O		Description of Item	xs:normalizedString
	ElectronicIdList	O		Electronic identifier(s) associated with this item.	ElectronicIdListType
	ItemCategory	O		The category is derived from the Child Nutrition Database's food category codes/names (Source: Food Category Name File [CNDB]). Agents may use the actual codes or a district's local definition of the names associated with the codes. The Child Nutrition Database [CNDB] is updated on a yearly basis by the USDA. Examples Milk Meat Vegetables Other	xs:normalizedString
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.1-1: FoodserviceItem

JSON

```
{
  "FoodserviceItem": {
    "RefId": "EF521958AB474559B2AE7BD82647C66B",
    "LocalId": "2391",
    "Description": "Green Burrito",
    "ElectronicIdList": {
      "ElectronicId": [
        {
          "Type": "Barcode",
          "value": "123456"
        }
      ]
    },
    "ItemCategory": "Vegetables"
  }
}
```

XML

```
<FoodserviceItem RefId="EF521958AB474559B2AE7BD82647C66B">
  <LocalId>2391</LocalId>
  <Description>Green Burrito</Description>
  <ElectronicIdList>
    <ElectronicId Type="Barcode">123456</ElectronicId>
  </ElectronicIdList>
  <ItemCategory>Vegetables</ItemCategory>
</FoodserviceItem>
```

Example 3.6.1-1: FoodserviceItem

3.6.2 FoodserviceItemPortion

This object describes a certain amount for a specific item unit.

Note that this version of the object does not contain any elements that define item pricing. This task is left for future development.

SIF_Events are reported for this object.

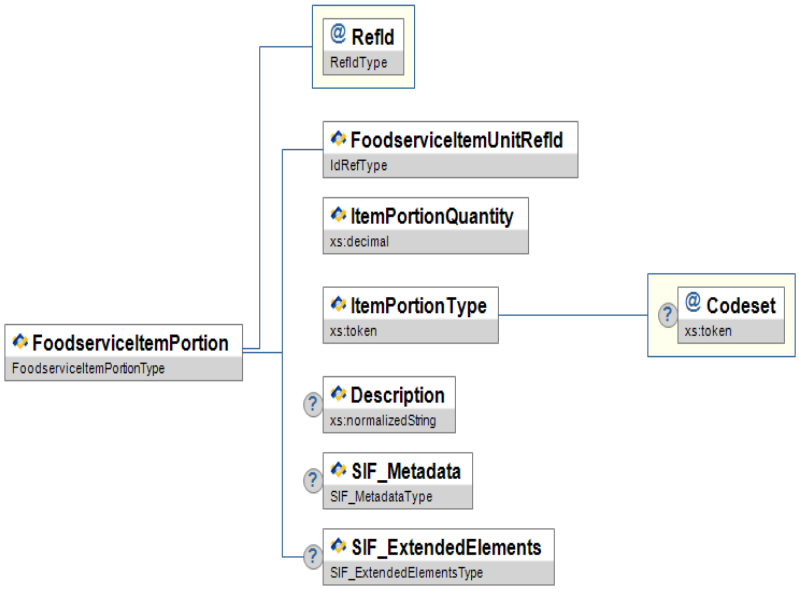


Figure 3.6.2-1: FoodserviceItemPortion

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceItemPortion			This object describes a certain amount for a specific item unit. Note that this version of the object does not contain any elements that define item pricing. This task is left for future development.	
@	RefId	M		GUID that identifies this item's portion	RefIdType
	FoodserviceItemUnitRefId	M		GUID that identifies related item portion	IdRefType
	ItemPortionQuantity	M		Quantity of item portion (number of units)	xs:decimal
	ItemPortionType	M		Type of item unit	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Description	O		Optional description of amount	xs:normalizedString
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.2-1: FoodserviceItemPortion

JSON


```
{
  "FoodserviceItemPortion": {
    "RefId": "EF521958AB474559B2AE7BD82647C66B",
    "FoodserviceItemUnitRefId": "D9837A776DD626777872361DD118873C",
    "ItemPortionQuantity": 1,
    "ItemPortionType": {
      "value": "Entree"
    },
    "Description": "One Cup Serving of Mashed Potatoes"
  }
}
```


XML

```
<FoodserviceItemPortion RefId="EF521958AB474559B2AE7BD82647C66B">
  <FoodserviceItemUnitRefId>D9837A776DD626777872361DD118873C</FoodserviceItemUnitRefId>
  <ItemPortionQuantity>1</ItemPortionQuantity>
  <ItemPortionType>Entree</ItemPortionType>
  <Description>One Cup Serving of Mashed Potatoes</Description>
</FoodserviceItemPortion>
```

Example 3.6.2-1: FoodserviceItemPortion

3.6.3 FoodserviceItemSales

This object gives the sales details for the items sold for a specified date.

SIF_Events are reported for this object.

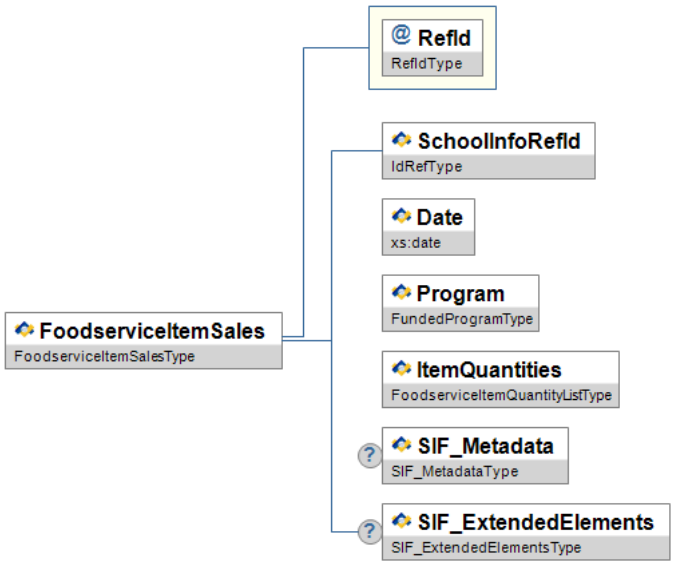


Figure 3.6.3-1: FoodserviceItemSales

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceItemSales			This object gives the sales details for the items sold for a specified date.	
@	RefId	M		GUID that identifies this object	RefIdType
	SchoolInfoRefId	M		GUID that identifies the school for this object	IdRefType
	Date	M		Date of sales	xs:date
	Program	M			FundedProgramType
	ItemQuantities	M			FoodserviceItemQuantityListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.3-1: FoodserviceItemSales

JSON

```
{
  "FoodserviceItemSales": {
    "RefId": "F7E8FF23F3A1471BA9D0B0E22A0839C6",
    "SchoolInfoRefId": "B72A99FFC3624AD2ADD197CC5A4A2563",
    "Date": "2001-09-13",
    "Program": {
      "Type": "Foodservice",
      "value": "NSLP"
    },
    "ItemQuantities": {
      "ItemQuantity": [
        {
          "FoodserviceItemPortionRefId": "D38E8D805B664B7CB389CFE2C11B145F",
          "Value": 35,
          "MealType": {
            "value": "FirstMeal"
          },
          "GradeLevels": {
            "GradeLevel": [
              {
                "Code": {
                  "value": "01"
                }
              },
              {
                "Code": {
                  "value": "02"
                }
              },
              {
                "Code": {
                  "value": "03"
                }
              },
              {
                "Code": {
                  "value": "04"
                }
              },
              {
                "Code": {
                  "value": "05"
                }
              }
            ]
          }
        },
        {
          "FoodserviceItemPortionRefId": "A08CC23B059C400CAA9F9BBD3DFF94F1",
          "Value": 152,
          "MealType": {
            "value": "AlaCarte"
          },
          "GradeLevels": {
            "GradeLevel": [
              {
                "Code": {
                  "value": "01"
                }
              },
              {
                "Code": {
                  "value": "02"
                }
              },
              {
                "Code": {
                  "value": "03"
                }
              },
              {
                "Code": {
                  "value": "04"
                }
              },
              {
                "Code": {
                  "value": "05"
                }
              }
            ]
          }
        }
      ]
    }
  }
}
```


XML

```
<FoodserviceItemSales RefId="F7E8FF23F3A1471BA9D0B0E22A0839C6">
  <SchoolInfoRefId>B72A99FFC3624AD2ADD197CC5A4A2563</SchoolInfoRefId>
  <Date>2001-09-13</Date>
  <Program Type="Foodservice">NSLP</Program>
  <ItemQuantities>
    <ItemQuantity FoodserviceItemPortionRefId="D38E8D805B664B7CB389CFE2C11B145F">
      <Value>35</Value>
      <MealType>FirstMeal</MealType>
      <GradeLevels>
        <GradeLevel>
          <Code>01</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>02</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>03</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>04</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>05</Code>
        </GradeLevel>
      </GradeLevels>
    </ItemQuantity>
    <ItemQuantity FoodserviceItemPortionRefId="A08CC23B059C400CAA9F9BBD3DFF94F1">
      <Value>152</Value>
      <MealType>AlaCarte</MealType>
      <GradeLevels>
        <GradeLevel>
          <Code>01</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>02</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>03</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>04</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>05</Code>
        </GradeLevel>
      </GradeLevels>
    </ItemQuantity>
  </ItemQuantities>
</FoodserviceItemSales>
```

Example 3.6.3-1: FoodserviceItemSales

3.6.4 FoodserviceItemUnit

This object describes the unit for an item.

SIF_Events are reported for this object.

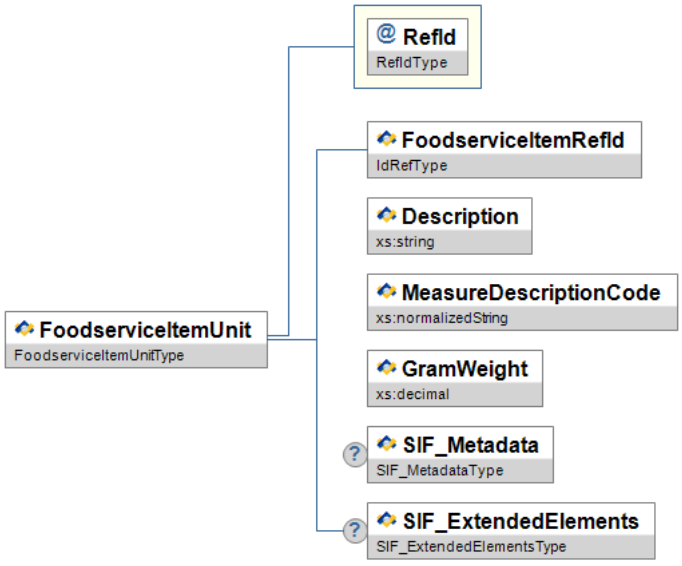


Figure 3.6.4-1: FoodserviceItemUnit

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceItemUnit			This object describes the unit for an item.	
@	RefId	M		GUID that identifies this unit	RefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceItemRefId	M		GUID that identifies related item	IdRefType
	Description	M		Description of unit ("cup", "teaspoon", etc.)	xs:string
	MeasureDescriptionCode	M		Child Nutrition Database [CNDB] standard code describing unit. The database is updated on a yearly basis by the USDA.	xs:normalizedString
	GramWeight	M		Gram weight of this item in terms of MeasureDescriptionCode	xs:decimal
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.4-1: FoodserviceItemUnit

JSON

```
{
  "FoodserviceItemUnit": {
    "RefId": "D9837A776DD626777872361DD118873C",
    "FoodserviceItemRefId": "EF521958AB474559B2AE7BD82647C66B",
    "Description": "cup",
    "MeasureDescriptionCode": "CUP01",
    "GramWeight": 98
  }
}
```

XML

```
<FoodserviceItemUnit RefId="D9837A776DD626777872361DD118873C">
  <FoodserviceItemRefId>EF521958AB474559B2AE7BD82647C66B</FoodserviceItemRefId>
  <Description>cup</Description>
  <MeasureDescriptionCode>CUP01</MeasureDescriptionCode>
  <GramWeight>98</GramWeight>
</FoodserviceItemUnit>
```

Example 3.6.4-1: FoodserviceItemUnit

3.6.5 FoodserviceMealPrices

This object is a site's meal prices for each grade program, meal status, meal type and grade level.

SIF_Events are reported for this object.

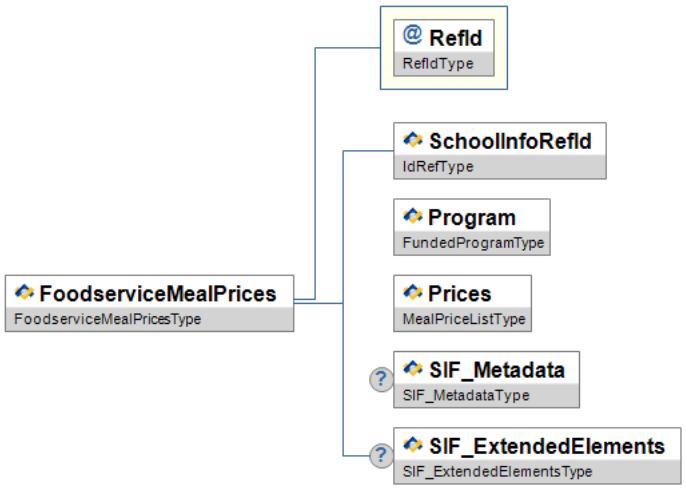


Figure 3.6.5-1: FoodserviceMealPrices

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceMealPrices			This object is a site's meal prices for each grade program, meal status, meal type and grade level.	
@	RefId	M		GUID that identifies this meal price.	RefIdType
	SchoolInfoRefId	M		GUID that identifies the school this meal price belongs to	IdRefType
	Program	M			FundedProgramType
	Prices	M			MealPriceListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.5-1: FoodserviceMealPrices

JSON

```
{
  "FoodserviceMealPrices": {
    "RefId": "EF521958AB474559B2AE7BD82647C66B",
    "SchoolInfoRefId": "FF521958AB474559B2AE7BD82647C66B",
    "Program": {
      "Type": "Foodservice",
      "value": "NSLP"
    },
    "Prices": {
      "Price": [
        {
          "Value": {
            "Currency": "USD",
            "value": 999.99
          },
          "MealStatus": {
            "Type": "Free",
            "value": ""
          },
          "MealType": {
            "value": "FirstMeal"
          },
          "GradeLevels": {
            "GradeLevel": [
              {
                "Code": {
                  "value": "09"
                }
              },
              {
                "Code": {
                  "value": "10"
                }
              },
              {
                "Code": {
                  "value": "11"
                }
              },
              {
                "Code": {
                  "value": "12"
                }
              }
            ]
          }
        },
        {
          "Value": {
            "value": 999.99
          },
          "MealStatus": {
            "Type": "Free",
            "value": ""
          },
          "MealType": {
            "value": "SecondMeal"
          },
          "GradeLevels": {
            "GradeLevel": [
              {
                "Code": {
                  "value": "09"
                }
              },
              {
                "Code": {
                  "value": "10"
                }
              },
              {
                "Code": {
                  "value": "11"
                }
              },
              {
                "Code": {
                  "value": "12"
                }
              }
            ]
          }
        },
        {
          "Value": {
            "value": 999.99
          },
          "MealStatus": {
            "Type": "Reduced",
            "value": ""
          },
          "MealType": {
            "value": "FirstMeal"
          },
          "GradeLevels": {
            "GradeLevel": [
              {
                "Code": {
                  "value": "09"
                }
              },
              {
                "Code": {
                  "value": "10"
                }
              },
              {
                "Code": {
                  "value": "11"
                }
              },
              {
                "Code": {
                  "value": "12"
                }
              }
            ]
          }
        },
        {
          "Value": {
            "value": 999.99
          },
          "MealStatus": {
            "Type": "None",
            "value": ""
          },
          "MealType": {
            "value": "FirstMeal"
          },
          "GradeLevels": {
            "GradeLevel": [
```

```
            {
              "Code": {
                "value": "01"
              }
            },
            {
              "Code": {
                "value": "02"
              }
            },
            {
              "Code": {
                "value": "03"
              }
            },
            {
              "Code": {
                "value": "04"
              }
            },
            {
              "Code": {
                "value": "05"
              }
            }
          ]
        }
      }
    ]
  }
 }
}
```


XML


```
<FoodserviceMealPrices RefId="EF521958AB474559B2AE7BD82647C66B">
  <SchoolInfoRefId>FF521958AB474559B2AE7BD82647C66B</SchoolInfoRefId>
  <Program Type="Foodservice">NSLP</Program>
  <Prices>
    <Price>
      <Value Currency="USD">999.99</Value>
      <MealStatus Type="Free" />
      <MealType>FirstMeal</MealType>
      <GradeLevels>
        <GradeLevel>
          <Code>09</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>10</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>11</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>12</Code>
        </GradeLevel>
      </GradeLevels>
    </Price>
    <Price>
      <Value>999.99</Value>
      <MealStatus Type="Free" />
      <MealType>SecondMeal</MealType>
      <GradeLevels>
        <GradeLevel>
          <Code>09</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>10</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>11</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>12</Code>
        </GradeLevel>
      </GradeLevels>
    </Price>
    <Price>
      <Value>999.99</Value>
      <MealStatus Type="Reduced" />
      <MealType>FirstMeal</MealType>
      <GradeLevels>
        <GradeLevel>
          <Code>09</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>10</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>11</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>12</Code>
        </GradeLevel>
      </GradeLevels>
    </Price>
    <Price>
      <Value>999.99</Value>
      <MealStatus Type="None" />
      <MealType>FirstMeal</MealType>
      <GradeLevels>
        <GradeLevel>
          <Code>01</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>02</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>03</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>04</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>05</Code>
        </GradeLevel>
      </GradeLevels>
    </Price>
  </Prices>
</FoodserviceMealPrices>
```


Example 3.6.5-1: FoodserviceMealPrices

3.6.6 FoodserviceMenuPlan

This object communicates the foodservice menu plan for a school site for a given meal program, grade level range and date.

SIF_Events are reported for this object.

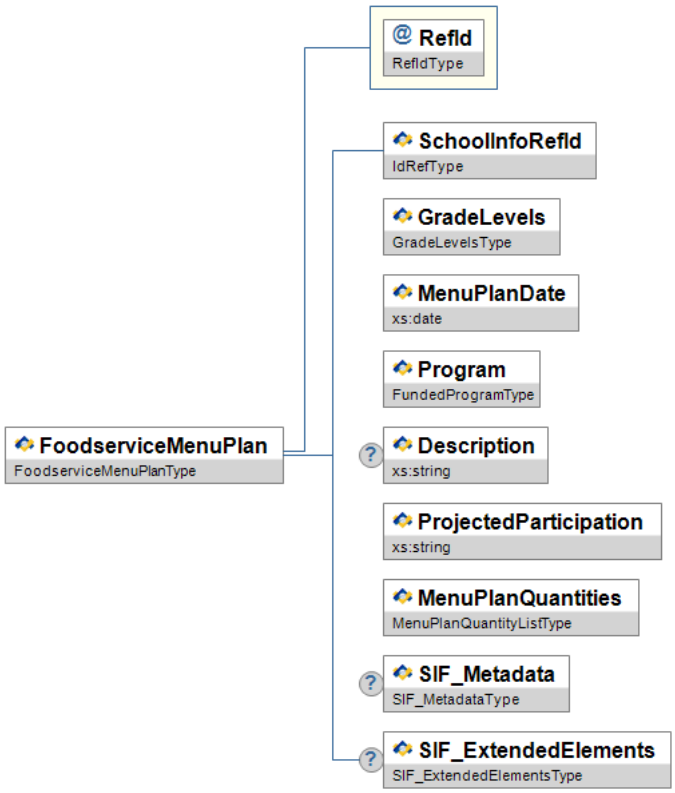


Figure 3.6.6-1: FoodserviceMenuPlan

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceMenuPlan			This object communicates the foodservice menu plan for a school site for a given meal program, grade level range and date.	
@	RefId	M		GUID that identifies this menu plan	RefIdType
	SchoolInfoRefId	M		GUID that identifies the school for this menu plan	IdRefType
	GradeLevels	M			GradeLevelsType
	MenuPlanDate	M		Date of menu plan	xs:date
	Program	M			FundedProgramType
	Description	O		Description of menu plan	xs:string
	ProjectedParticipation	M		Feeding figure projected	xs:string
	MenuPlanQuantities	M			MenuPlanQuantityListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.6-1: FoodserviceMenuPlan

JSON

```
{
  "FoodserviceMenuPlan": {
    "RefId": "EF521958AB474559B2AE7BD82647C66B",
    "SchoolInfoRefId": "FF521958AB474559B2AE7BD82647C66B",
    "GradeLevels": {
      "GradeLevel": [
        {
          "Code": {
            "value": "01"
          }
        },
        {
          "Code": {
            "value": "02"
          }
        },
        {
          "Code": {
            "value": "03"
          }
        },
        {
          "Code": {
            "value": "04"
          }
        },
        {
          "Code": {
            "value": "05"
          }
        }
      ]
    },
    "MenuPlanDate": "2001-10-31",
    "Program": {
      "Type": "Foodservice",
      "value": "NSLP"
    },
    "Description": "Halloween Menu",
    "ProjectedParticipation": "1000",
    "MenuPlanQuantities": {
      "MenuPlanQuantity": [
        {
          "FoodserviceItemPortionRefId": "D9837A776DD626777872361DD118873C",
          "MenuCategory": "ActualMeal",
          "value": 13
        },
        {
          "FoodserviceItemPortionRefId": "A08CC23B059C400CAA9F9BBD3DFF94F1",
          "MenuCategory": "ActualAlaCarte",
          "value": 16
        }
      ]
    }
  }
}
```


XML


```
<FoodserviceMenuPlan RefId="EF521958AB474559B2AE7BD82647C66B">
  <SchoolInfoRefId>FF521958AB474559B2AE7BD82647C66B</SchoolInfoRefId>
  <GradeLevels>
    <GradeLevel>
      <Code>01</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>02</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>03</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>04</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>05</Code>
    </GradeLevel>
  </GradeLevels>
  <MenuPlanDate>2001-10-31</MenuPlanDate>
  <Program Type="Foodservice">NSLP</Program>
  <Description>Halloween Menu</Description>
  <ProjectedParticipation>1000</ProjectedParticipation>
  <MenuPlanQuantities>
    <MenuPlanQuantity FoodserviceItemPortionRefId="D9837A776DD626777872361DD118873C" MenuCategory="ActualMeal">13</MenuPlanQuantity>
    <MenuPlanQuantity FoodserviceItemPortionRefId="A08CC23B059C400CAA9F9BBD3DFF94F1" MenuCategory="ActualAlaCarte">16</MenuPlanQuantity>
  </MenuPlanQuantities>
</FoodserviceMenuPlan>
```


Example 3.6.6-1: FoodserviceMenuPlan

3.6.7 FoodserviceMilkSales

This object communicates the daily milk sales at a school.

SIF_Events are not reported for this object.

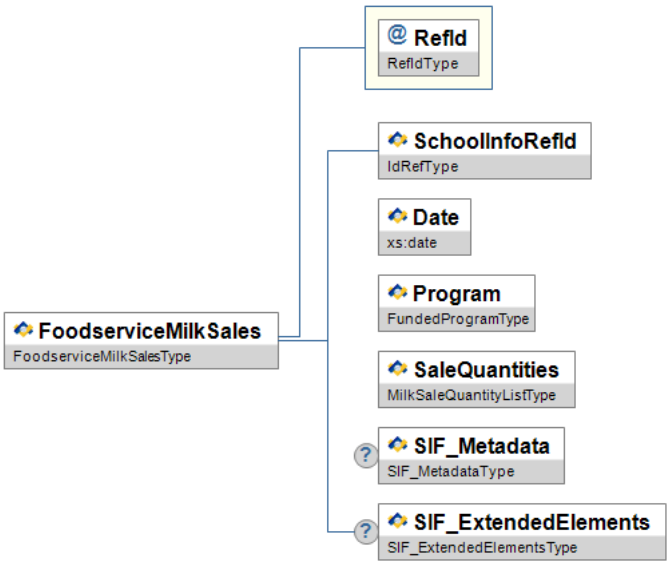


Figure 3.6.7-1: FoodserviceMilkSales

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceMilkSales			This object communicates the daily milk sales at a school.	
@	RefId	M		GUID that identifies the daily milk sales object	RefIdType
	SchoolInfoRefId	M		School for which the sales object applies	IdRefType
	Date	M		Date on which the sales occurred.	xs:date
	Program	M			FundedProgramType
	SaleQuantities	M			MilkSaleQuantityListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.7-1: FoodserviceMilkSales

JSON


```
{
  "FoodserviceMilkSales": {
    "RefId": "D21CF29B7FB44965A9CF950E1E60B21E",
    "SchoolInfoRefId": "AA66800BE0D84E80AA5838FA97EE3A3E",
    "Date": "2001-10-31",
    "Program": {
      "Type": "Foodservice",
      "value": "NSLP"
    },
    "SaleQuantities": {
      "SaleQuantity": [
        {
          "Value": 99999,
          "MealStatus": {
            "Type": "Free",
            "value": ""
          },
          "SaleUnit": "6 oz",
          "ChargeToChild": {
            "Currency": "USD",
            "value": 999.99
          }
        },
        {
          "Value": 99999,
          "MealStatus": {
            "Type": "Reduced",
            "value": ""
          },
          "SaleUnit": "6 oz",
          "ChargeToChild": {
            "Currency": "USD",
            "value": 999.99
          }
        }
      ]
    }
  }
}
```


XML

```
<FoodserviceMilkSales RefId="D21CF29B7FB44965A9CF950E1E60B21E">
  <SchoolInfoRefId>AA66800BE0D84E80AA5838FA97EE3A3E</SchoolInfoRefId>
  <Date>2001-10-31</Date>
  <Program Type="Foodservice">NSLP</Program>
  <SaleQuantities>
    <SaleQuantity>
      <Value>99999</Value>
      <MealStatus Type="Free" />
      <SaleUnit>6 oz</SaleUnit>
      <ChargeToChild Currency="USD">999.99</ChargeToChild>
    </SaleQuantity>
    <SaleQuantity>
      <Value>99999</Value>
      <MealStatus Type="Reduced" />
      <SaleUnit>6 oz</SaleUnit>
      <ChargeToChild Currency="USD">999.99</ChargeToChild>
    </SaleQuantity>
  </SaleQuantities>
</FoodserviceMilkSales>
```

Example 3.6.7-1: FoodserviceMilkSales

3.6.8 FoodservicePurchaseTransaction

If a food service transaction is of type `Purchase` then this object can give the details of the purchase. This object does not exist for other transaction types.

SIF_Events are reported for this object.

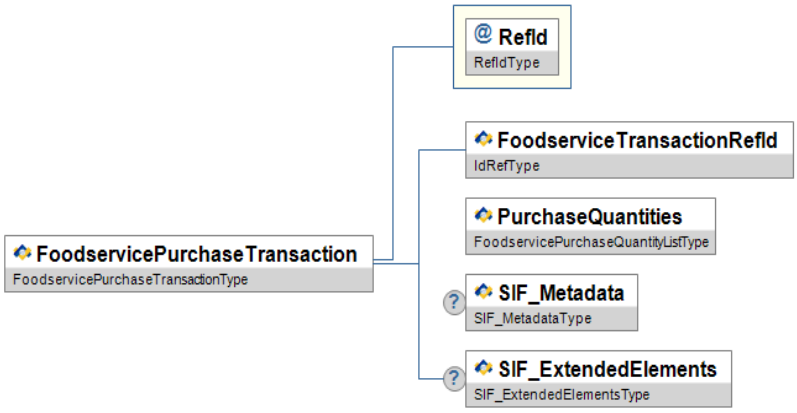


Figure 3.6.8-1: FoodservicePurchaseTransaction

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodservicePurchaseTransaction			If a food service transaction is of type `Purchase` then this object can give the details of the purchase. This object does not exist for other transaction types.	
@	RefId	M		GUID that identifies purchase transaction	`RefIdType`
	FoodserviceTransactionRefId	M		GUID that identifies food service transaction in which this purchase was made	`IdRefType`
	PurchaseQuantities	M			`FoodservicePurchaseQuantityListType`
	SIF_Metadata	O			`SIF_MetadataType`
	SIF_ExtendedElements	O			`SIF_ExtendedElementsType`

Table 3.6.8-1: FoodservicePurchaseTransaction

JSON

```
{
 "FoodservicePurchaseTransaction": {
   "RefId": "AC99DDF0ED0E426ABE18C9174EC469B7",
   "FoodserviceTransactionRefId": "EFA054E90CDE45C9BB8A87E9F8F9B238",
   "PurchaseQuantities": {
     "PurchaseQuantity": [
       {
         "FoodserviceItemPortionRefId": "A2366AFF739B4BC590DA53AD3CE2311A",
         "Earned": "Yes",
         "MealType": {
           "value": "FirstMeal"
         },
         "Value": 1
       },
       {
         "FoodserviceItemPortionRefId": "E612E09D8B614BB4B9F892CFC3272063",
         "Earned": "No",
         "MealType": {
           "value": "AlaCarte"
         },
         "Value": 2
       }
     ]
   }
 }
}
```


XML


```
<FoodservicePurchaseTransaction RefId="AC99DDF0ED0E426ABE18C9174EC469B7">
  <FoodserviceTransactionRefId>EFA054E90CDE45C9BB8A87E9F8F9B238</FoodserviceTransactionRefId>
  <PurchaseQuantities>
    <PurchaseQuantity FoodserviceItemPortionRefId="A2366AFF739B4BC590DA53AD3CE2311A" Earned="Yes">
      <MealType>FirstMeal</MealType>
      <Value>1</Value>
    </PurchaseQuantity>
    <PurchaseQuantity FoodserviceItemPortionRefId="E612E09D8B614BB4B9F892CFC3272063" Earned="No">
      <MealType>AlaCarte</MealType>
      <Value>2</Value>
    </PurchaseQuantity>
  </PurchaseQuantities>
</FoodservicePurchaseTransaction>
```


Example 3.6.8-1: FoodservicePurchaseTransaction

3.6.9 FoodserviceReimbursementRates

This object describes the federal, state, local and other reimbursement rates for a school.

SIF_Events are reported for this object.

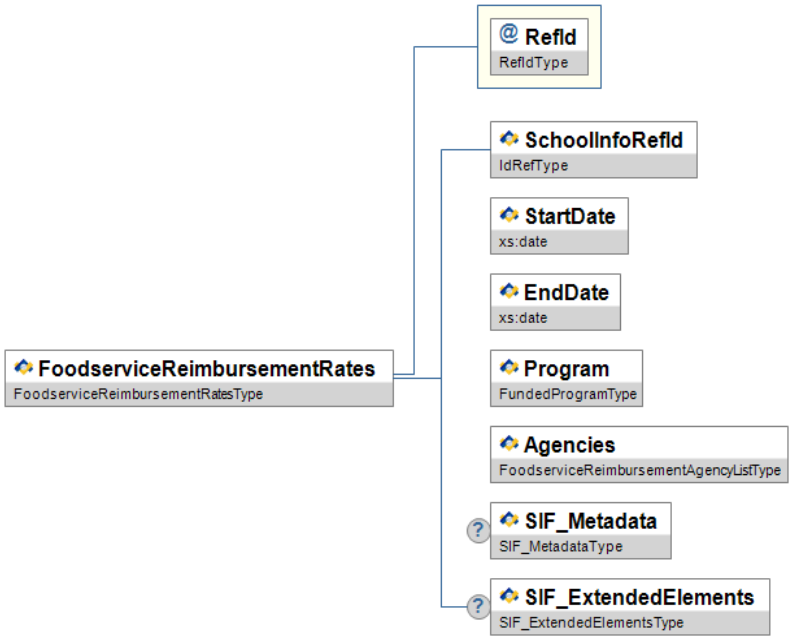


Figure 3.6.9-1: FoodserviceReimbursementRates

Element/@Attribute	Char	CEDS Id/URL	Description	Type
FoodserviceReimbursementRates			This object describes the federal, state, local and other reimbursement rates for a school.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@ 🔑	RefId	M		GUID that identifies this object.	RefIdType
	SchoolInfoRefId	M		GUID that identifies the school.	IdRefType
	StartDate	M		Effective start date for the reimbursement rates	xs:date
	EndDate	M		Effective end date for the reimbursement rates	xs:date
	Program	M			FundedProgramType
	Agencies	M		List of reimbursing agencies.	FoodserviceReimbursementAgencyListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.9-1: FoodserviceReimbursementRates

JSON

```
{
  "FoodserviceReimbursementRates": {
    "RefId": "D9837A776DD626777872361DD118873C",
    "SchoolInfoRefId": "EF521958AB474559B2AE7BD82647C66B",
    "StartDate": "2004-01-01",
    "EndDate": "2004-12-31",
    "Program": {
      "Type": "Foodservice",
      "value": "NSLP"
    },
    "Agencies": {
      "Agency": [
        {
          "Type": "Federal",
          "Rates": {
            "Rate": [
              {
                "SevereNeed": "No",
                "Value": 1.0,
                "MealStatus": {
                  "Type": "Free",
                  "value": ""
                }
              },
              {
                "SevereNeed": "No",
                "Value": 2.0,
                "MealStatus": {
                  "Type": "Reduced",
                  "value": ""
                }
              },
              {
                "SevereNeed": "No",
                "Value": 3.0,
                "MealStatus": {
                  "Type": "None",
                  "value": ""
                }
              },
              {
                "SevereNeed": "Yes",
                "Value": 4.0,
                "MealStatus": {
                  "Type": "Free",
                  "value": ""
                }
              },
              {
                "SevereNeed": "Yes",
                "Value": 5.0,
                "MealStatus": {
                  "Type": "Reduced",
                  "value": ""
                }
              },
              {
                "SevereNeed": "Yes",
                "Value": 6.0,
                "MealStatus": {
                  "Type": "None",
                  "value": ""
                }
              }
            ]
          }
        },
        {
          "Type": "Other",
          "Name": "Some Reimbursing Agency",
          "Rates": {
            "Rate": [
              {
                "SevereNeed": "No",
                "Value": 1.0,
                "MealStatus": {
                  "Type": "Free",
                  "value": ""
                }
              },
              {
                "SevereNeed": "No",
                "Value": 2.0,
                "MealStatus": {
                  "Type": "Reduced",
                  "value": ""
                }
              },
              {
                "SevereNeed": "No",
                "Value": 3.0,
                "MealStatus": {
                  "Type": "None",
                  "value": ""
                }
              },
              {
                "SevereNeed": "Yes",
                "Value": 4.0,
                "MealStatus": {
                  "Type": "Free",
                  "value": ""
                }
              },
              {
                "SevereNeed": "Yes",
                "Value": 5.0,
                "MealStatus": {
                  "Type": "Reduced",
                  "value": ""
                }
              },
              {
                "SevereNeed": "Yes",
                "Value": 6.0,
                "MealStatus": {
                  "Type": "None",
                  "value": ""
                }
              }
            ]
          }
        }
      ]
    }
  }
}
```

XML

```
<FoodserviceReimbursementRates RefId="D9837A776DD626777872361DD118873C">
  <SchoolInfoRefId>EF521958AB474559B2AE7BD82647C66B</SchoolInfoRefId>
  <StartDate>2004-01-01</StartDate>
  <EndDate>2004-12-31</EndDate>
  <Program Type="Foodservice">NSLP</Program>
  <Agencies>
    <Agency Type="Federal">
      <Rates>
        <Rate SevereNeed="No">
          <Value>1.00</Value>
          <MealStatus Type="Free" />
        </Rate>
        <Rate SevereNeed="No">
          <Value>2.00</Value>
          <MealStatus Type="Reduced" />
        </Rate>
        <Rate SevereNeed="No">
          <Value>3.00</Value>
          <MealStatus Type="None" />
        </Rate>
        <Rate SevereNeed="Yes">
          <Value>4.00</Value>
          <MealStatus Type="Free" />
        </Rate>
        <Rate SevereNeed="Yes">
          <Value>5.00</Value>
          <MealStatus Type="Reduced" />
        </Rate>
        <Rate SevereNeed="Yes">
          <Value>6.00</Value>
          <MealStatus Type="None" />
        </Rate>
      </Rates>
    </Agency>
    <Agency Type="Other">
      <Name>Some Reimbursing Agency</Name>
      <Rates>
        <Rate SevereNeed="No">
          <Value>1.00</Value>
          <MealStatus Type="Free" />
        </Rate>
        <Rate SevereNeed="No">
          <Value>2.00</Value>
          <MealStatus Type="Reduced" />
        </Rate>
        <Rate SevereNeed="No">
          <Value>3.00</Value>
          <MealStatus Type="None" />
        </Rate>
        <Rate SevereNeed="Yes">
          <Value>4.00</Value>
          <MealStatus Type="Free" />
        </Rate>
        <Rate SevereNeed="Yes">
          <Value>5.00</Value>
          <MealStatus Type="Reduced" />
        </Rate>
        <Rate SevereNeed="Yes">
          <Value>6.00</Value>
          <MealStatus Type="None" />
        </Rate>
      </Rates>
    </Agency>
  </Agencies>
</FoodserviceReimbursementRates>
```

Example 3.6.9-1: FoodserviceReimbursementRates

3.6.10 FoodserviceSales

This object communicates the daily sales information.

SIF_Events are reported for this object.

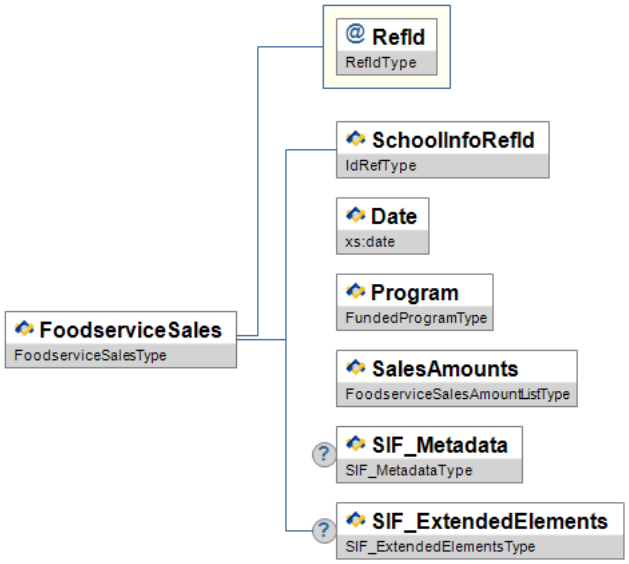


Figure 3.6.10-1: FoodserviceSales

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceSales			This object communicates the daily sales information.	
@	RefId	M		GUID that identifies the daily meal sales object	RefIdType
	SchoolInfoRefId	M		School for which the sales object applies	IdRefType
	Date	M		Date on which the sales occurred.	xs:date
	Program	M			FundedProgramType
	SalesAmounts	M			FoodserviceSalesAmountListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.10-1: FoodserviceSales

JSON

```
{
  "FoodserviceSales": {
    "RefId": "E57A732918E1473F80C2CFA7774DAA6A",
    "SchoolInfoRefId": "D21CF29B7FB44965A9CF950E1E60B21E",
    "Date": "2001-10-31",
    "Program": {
      "Type": "Foodservice",
      "value": "NSLP"
    },
    "SalesAmounts": {
      "SalesAmount": [
        {
          "Type": "Cash",
          "AccountType": "NA",
          "Currency": "USD",
          "value": 9999.99
        },
        {
          "Type": "Account",
          "AccountType": "PrepaidCash",
          "value": 9999.99
        },
        {
          "Type": "Charged",
          "AccountType": "PrepaidCash",
          "value": 9999.99
        },
        {
          "Type": "Charged",
          "AccountType": "BreakfastCredit",
          "value": 9999.99
        },
        {
          "Type": "Charged",
          "AccountType": "LunchCredit",
          "value": 9999.99
        },
        {
          "Type": "Earned",
          "AccountType": "NA",
          "value": 9999.99
        }
      ]
    }
  }
}
```

XML

```
<FoodserviceSales RefId="E57A732918E1473F80C2CFA7774DAA6A">
  <SchoolInfoRefId>D21CF29B7FB44965A9CF950E1E60B21E</SchoolInfoRefId>
  <Date>2001-10-31</Date>
  <Program Type="Foodservice">NSLP</Program>
  <SalesAmounts>
    <SalesAmount Type="Cash" AccountType="NA" Currency="USD">9999.99</SalesAmount>
    <SalesAmount Type="Account" AccountType="PrepaidCash">9999.99</SalesAmount>
    <SalesAmount Type="Charged" AccountType="PrepaidCash">9999.99</SalesAmount>
    <SalesAmount Type="Charged" AccountType="BreakfastCredit">9999.99</SalesAmount>
    <SalesAmount Type="Charged" AccountType="LunchCredit">9999.99</SalesAmount>
    <SalesAmount Type="Earned" AccountType="NA">9999.99</SalesAmount>
  </SalesAmounts>
</FoodserviceSales>
```

Example 3.6.10-1: FoodserviceSales

3.6.11 FoodserviceStaffEnrollmentCount

This object communicates the staff enrollment for a specified date.

SIF_Events are not reported for this object.

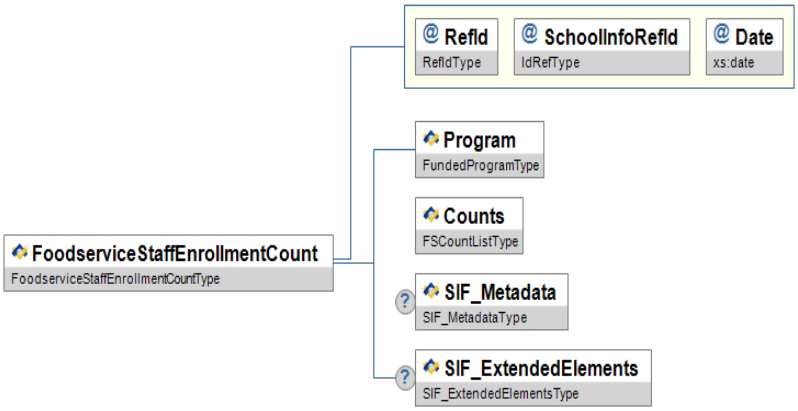


Figure 3.6.11-1: FoodserviceStaffEnrollmentCount

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceStaffEnrollmentCount			This object communicates the staff enrollment for a specified date.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is a "transient" value; that is, it SHOULD be generated by the provider at the time the object is provided in a Response message. This value MUST NOT be used in a later Request for the object.	RefIdType
@	SchoolInfoRefId	M		Reference to SchoolInfo	IdRefType
@	Date	M		Date the count is taken.	xs:date
	Program	M			FundedProgramType
	Counts	M			FSCountListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.11-1: FoodserviceStaffEnrollmentCount

JSON


```
{
  "FoodserviceStaffEnrollmentCount": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "SchoolInfoRefId": "E822BCDC9E7A40F787ED8183D3B485B5",
    "Date": "2001-10-31",
    "Program": {
      "Type": "Foodservice",
      "value": "NSLP"
    },
    "Counts": {
      "Count": [
        {
          "EarnedStatus": {
            "Type": "Yes",
            "value": ""
          },
          "Value": 99999
        },
        {
          "EarnedStatus": {
            "Type": "No",
            "value": ""
          },
          "Value": 99999
        }
      ]
    }
  }
}
```


XML

```
<FoodserviceStaffEnrollmentCount RefId="359D75101AD0A9D7A8C3DAD0A85103A2" SchoolInfoRefId="E822BCDC9E7A40F787ED8183D3B485B5" Date="2001-10-31">
  <Program Type="Foodservice">NSLP</Program>
  <Counts>
    <Count>
      <EarnedStatus Type="Yes" />
      <Value>99999</Value>
    </Count>
    <Count>
      <EarnedStatus Type="No" />
      <Value>99999</Value>
    </Count>
  </Counts>
</FoodserviceStaffEnrollmentCount>
```

Example 3.6.11-1: FoodserviceStaffEnrollmentCount

3.6.12 FoodserviceStaffMealCounts

This object communicates the daily staff sales.

SIF_Events are not reported for this object.

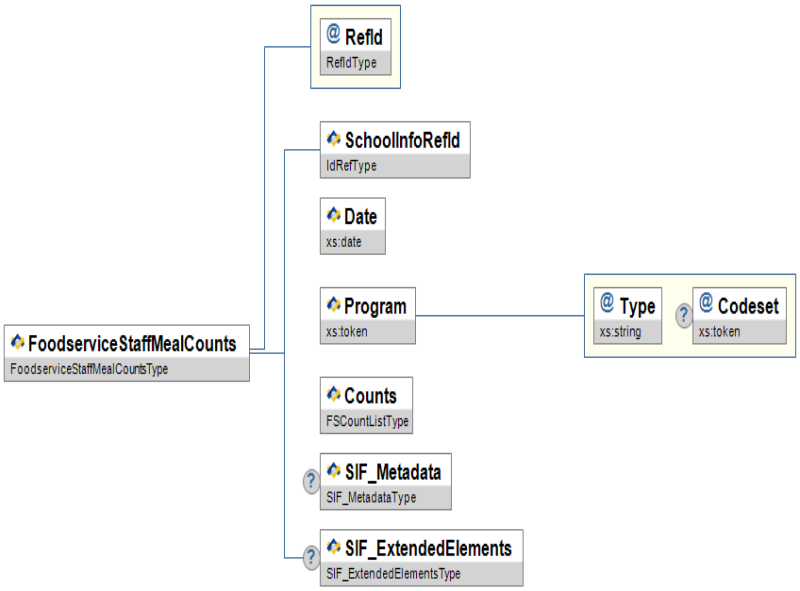


Figure 3.6.12-1: FoodserviceStaffMealCounts

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceStaffMealCounts			This object communicates the daily staff sales.	
@	RefId	M		GUID that identifies the daily meal sales object	RefIdType
	SchoolInfoRefId	M		School for which the sales object applies	IdRefType
	Date	M		Date on which the sales occurred.	xs:date
	Program	M			xs:token
@	Type	M		The type of the program. Type identifies the list of values.	xs:string
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Counts	M			FSCountListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.12-1: FoodserviceStaffMealCounts

JSON


```
{
 "FoodserviceStaffMealCounts": {
   "RefId": "E822BCDC9E7A40F787ED8183D3B485B5",
   "SchoolInfoRefId": "F2F9D9B212B94489BC3F9FD6AB75F54A",
   "Date": "2003-08-25",
   "Program": {
     "Type": "Foodservice",
     "value": "NSLP"
   },
   "Counts": {
     "Count": [
       {
         "EarnedStatus": {
           "Type": "Yes",
           "value": ""
         },
         "MealType": {
           "value": "FirstMeal"
         },
         "Amount": {
           "Type": "Value",
           "Credits": "0",
           "value": 99999.99
         },
         "Tax": {
           "value": 9999.99
         },
         "Value": 99999
       },
       {
         "EarnedStatus": {
           "Type": "No",
           "value": ""
         },
         "MealType": {
           "value": "FirstMeal"
         },
         "Amount": {
           "Type": "Value",
           "Credits": "0",
           "value": 99999.99
         },
         "Tax": {
           "value": 9999.99
         },
         "Value": 99999
       },
       {
         "EarnedStatus": {
           "Type": "Yes",
           "value": ""
         },
         "MealType": {
           "value": "SecondMeal"
         },
         "Amount": {
           "Type": "Value",
           "Credits": "0",
           "value": 99999.99
         },
         "Tax": {
           "value": 9999.99
         },
         "Value": 99999
       },
       {
         "EarnedStatus": {
           "Type": "No",
           "value": ""
         },
         "MealType": {
           "value": "SecondMeal"
         },
         "Amount": {
           "Type": "Value",
           "Credits": "0",
           "value": 99999.99
         },
         "Tax": {
           "value": 9999.99
         },
         "Value": 99999
       }
     ]
   }
 }
}
```


XML

```
<FoodserviceStaffMealCounts RefId="E822BCDC9E7A40F787ED8183D3B485B5">
  <SchoolInfoRefId>F2F9D9B212B94489BC3F9FD6AB75F54A</SchoolInfoRefId>
  <Date>2003-08-25</Date>
  <Program Type="Foodservice">NSLP</Program>
  <Counts>
    <Count>
      <EarnedStatus Type="Yes" />
      <MealType>FirstMeal</MealType>
      <Amount Type="Value" Credits="0">99999.99</Amount>
      <Tax>9999.99</Tax>
      <Value>99999</Value>
    </Count>
    <Count>
      <EarnedStatus Type="No" />
      <MealType>FirstMeal</MealType>
      <Amount Type="Value" Credits="0">99999.99</Amount>
      <Tax>9999.99</Tax>
      <Value>99999</Value>
    </Count>
    <Count>
      <EarnedStatus Type="Yes" />
      <MealType>SecondMeal</MealType>
      <Amount Type="Value" Credits="0">99999.99</Amount>
      <Tax>9999.99</Tax>
      <Value>99999</Value>
    </Count>
    <Count>
      <EarnedStatus Type="No" />
      <MealType>SecondMeal</MealType>
      <Amount Type="Value" Credits="0">99999.99</Amount>
      <Tax>9999.99</Tax>
      <Value>99999</Value>
    </Count>
  </Counts>
</FoodserviceStaffMealCounts>
```

Example 3.6.12-1: FoodservicesStaffMealCounts

3.6.13 FoodserviceStudentEnrollmentCount

This object communicates the student enrollment for a specified date.

SIF_Events are not reported for this object.

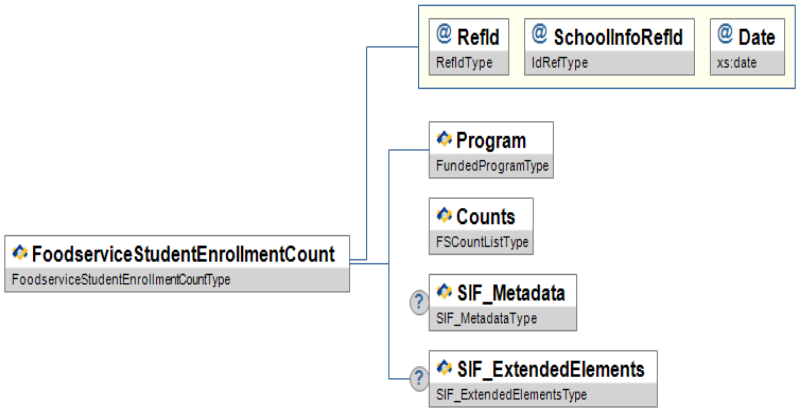


Figure 3.6.13-1: FoodserviceStudentEnrollmentCount

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceStudentEnrollmentCount			This object communicates the student enrollment for a specified date.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is a "transient" value; that is, it SHOULD be generated by the provider at the time the object is provided in a Response message. This value MUST NOT be used in a later Request for the object.	RefIdType
@	SchoolInfoRefId	M		Reference to SchoolInfo	IdRefType
@	Date	M		Date the count is taken.	xs:date
	Program	M			FundedProgramType
	Counts	M			FSCountListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.13-1: FoodserviceStudentEnrollmentCount

JSON


```
{
 "FoodserviceStudentEnrollmentCount": {
   "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
   "SchoolInfoRefId": "E822BCDC9E7A40F787ED8183D3B485B5",
   "Date": "2003-08-25",
   "Program": {
     "Type": "Foodservice",
     "value": "NSLP"
   },
   "Counts": {
     "Count": [
       {
         "MealStatus": {
           "Type": "Free",
           "value": ""
         },
         "Value": 99999
       },
       {
         "MealStatus": {
           "Type": "Reduced",
           "value": ""
         },
         "Value": 99999
       },
       {
         "MealStatus": {
           "Type": "None",
           "value": ""
         },
         "Value": 99999
       }
     ]
   }
 }
}
```


XML


```
<FoodserviceStudentEnrollmentCount RefId="359D75101AD0A9D7A8C3DAD0A85103A2" SchoolInfoRefId="E822BCDC9E7A40F787ED8183D3B485B5" Date="2003-08-25">
  <Program Type="Foodservice">NSLP</Program>
  <Counts>
    <Count>
      <MealStatus Type="Free" />
      <Value>99999</Value>
    </Count>
    <Count>
      <MealStatus Type="Reduced" />
      <Value>99999</Value>
    </Count>
    <Count>
      <MealStatus Type="None" />
      <Value>99999</Value>
    </Count>
  </Counts>
</FoodserviceStudentEnrollmentCount>
```


Example 3.6.13-1: FoodserviceStudentEnrollmentCount

3.6.14 FoodserviceStudentMealCounts

This object communicates the daily student sales.

SIF_Events are not reported for this object.

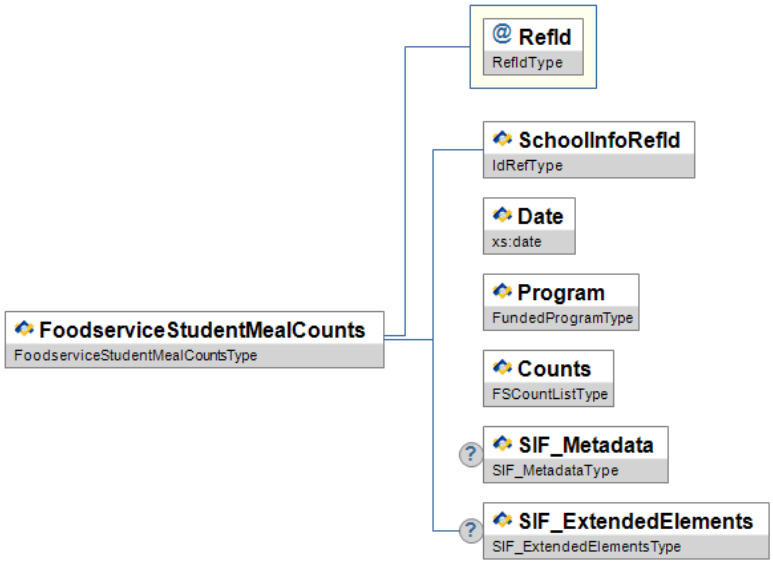


Figure 3.6.14-1: FoodserviceStudentMealCounts

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceStudentMealCounts			This object communicates the daily student sales.	
@	RefId	M		GUID that identifies the daily meal sales object	RefIdType
	SchoolInfoRefId	M		School for which the sales object applies	IdRefType
	Date	M		Date on which the sales occurred.	xs:date
	Program	M			FundedProgramType
	Counts	M			FSCountListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.14-1: FoodserviceStudentMealCounts

JSON

```
{
 "FoodserviceStudentMealCounts": {
   "RefId": "E822BCDC9E7A40F787ED8183D3B485B5",
   "SchoolInfoRefId": "F2F9D9B212B94489BC3F9FD6AB75F54A",
   "Date": "2003-08-25",
   "Program": {
     "Type": "Foodservice",
     "value": "NSLP"
   },
   "Counts": {
     "Count": [
       {
         "MealStatus": {
           "Type": "Free",
           "value": ""
         },
         "MealType": {
           "value": "FirstMeal"
         },
         "Amount": {
           "Type": "Value",
           "Credits": "0",
           "value": 99999.99
         },
         "Tax": {
           "value": 9999.99
         },
         "Value": 99999
       },
       {
         "MealStatus": {
           "Type": "Reduced",
           "value": ""
         },
         "MealType": {
           "value": "FirstMeal"
         },
         "Amount": {
           "Type": "Value",
           "Credits": "0",
           "value": 99999.99
         },
         "Tax": {
           "value": 9999.99
         },
         "Value": 99999
       },
       {
         "MealStatus": {
           "Type": "Free",
           "value": ""
         },
         "MealType": {
           "value": "SecondMeal"
         },
         "Amount": {
           "Type": "Value",
           "Credits": "0",
           "value": 99999.99
         },
         "Tax": {
           "value": 9999.99
         },
         "Value": 99999
       },
       {
         "MealStatus": {
           "Type": "None",
           "value": ""
         },
         "MealType": {
           "value": "SecondMeal"
         },
         "Amount": {
           "Type": "Value",
           "Credits": "0",
           "value": 99999.99
         },
         "Tax": {
           "value": 9999.99
         },
         "Value": 99999
       }
     ]
   }
 }
}
```


XML

```
<FoodserviceStudentMealCounts RefId="E822BCDC9E7A40F787ED8183D3B485B5">
  <SchoolInfoRefId>F2F9D9B212B94489BC3F9FD6AB75F54A</SchoolInfoRefId>
  <Date>2003-08-25</Date>
  <Program Type="Foodservice">NSLP</Program>
  <Counts>
    <Count>
      <MealStatus Type="Free" />
      <MealType>FirstMeal</MealType>
      <Amount Type="Value" Credits="0">99999.99</Amount>
      <Tax>9999.99</Tax>
      <Value>99999</Value>
    </Count>
    <Count>
      <MealStatus Type="Reduced" />
      <MealType>FirstMeal</MealType>
      <Amount Type="Value" Credits="0">99999.99</Amount>
      <Tax>9999.99</Tax>
      <Value>99999</Value>
    </Count>
    <Count>
      <MealStatus Type="Free" />
      <MealType>SecondMeal</MealType>
      <Amount Type="Value" Credits="0">99999.99</Amount>
      <Tax>9999.99</Tax>
      <Value>99999</Value>
    </Count>
    <Count>
      <MealStatus Type="None" />
      <MealType>SecondMeal</MealType>
      <Amount Type="Value" Credits="0">99999.99</Amount>
      <Tax>9999.99</Tax>
      <Value>99999</Value>
    </Count>
  </Counts>
</FoodserviceStudentMealCounts>
```

Example 3.6.14-1: FoodserviceStudentMealCounts

3.6.15 FoodserviceTransaction

This object communicates food service transaction information. This is the key object that will be present for every food service transaction.

Note: With SIF Implementation Specification version 2.4 the choice element depicted in the diagram below has changed. In the XSD files, the choice element used to be rendered as a sequence of optional elements. Now, in the XSD files, the choice element is rendered as an xs:choice. This may cause problems with agents that treat the choice element as two optional elements rather than a choice of one and only one of the choices.

SIF_Events are reported for this object.

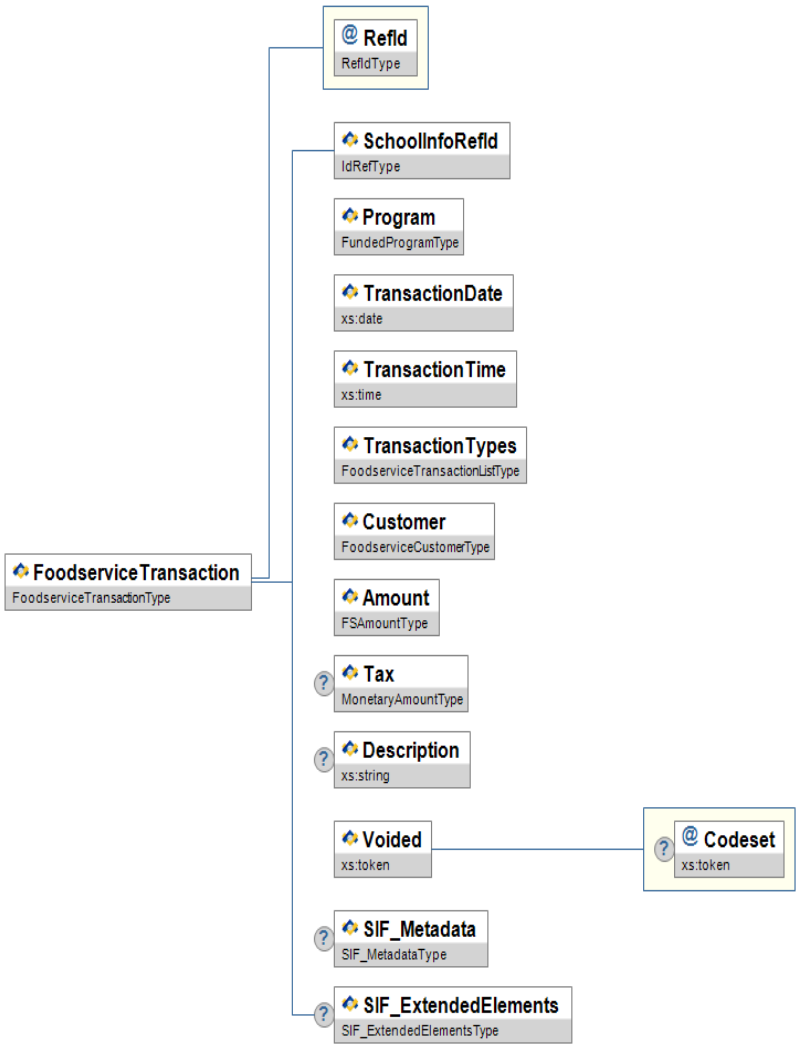


Figure 3.6.15-1: FoodserviceTransaction

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceTransaction			This object communicates food service transaction information. This is the key object that will be present for every food service transaction. Note: With SIF Implementation Specification version 2.4 the choice element depicted in the diagram below has changed. In the XSD files, the choice element used to be rendered as a sequence of optional elements. Now, in the XSD files, the choice element is rendered as an xs:choice. This may cause problems with agents that treat the choice element as two optional elements rather than a choice of one and only one of the choices.	
@	RefId	M		GUID that identifies food service transaction	RefIdType
	SchoolInfoRefId	M		GUID that identifies the school/site of account transaction	IdRefType
	Program	M			FundedProgramType
	TransactionDate	M		Date of transaction	xs:date
	TransactionTime	M		Time of transaction.	xs:time
	TransactionTypes	M			FoodserviceTransactionListType
	Customer	M		The customer can be a student or staff.	FoodserviceCustomerType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Amount	M			FSAmountType
	Tax	O		Amount of tax. Note: Final amount is Amount/Value + Tax	MonetaryAmountType
	Description	O		Description of the Transaction	xs:string
	Voided	M		This flag tells us if the transaction is voided.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.15-1: FoodserviceTransaction

JSON


```
{
  "FoodserviceTransaction": {
    "RefId": "A9E34B359F44D51A8C3D00AA001A1652",
    "SchoolInfoRefId": "EFA054E90CDE45C9BB8A87E9F8F9B238",
    "Program": {
      "Type": "Foodservice",
      "value": "NSLP"
    },
    "TransactionDate": "2003-08-25",
    "TransactionTime": "04:32:23-08:00",
    "TransactionTypes": {
      "TransactionType": [
        "Purchase"
      ]
    },
    "Customer": {
      "SIF_RefObject": "StudentPersonal",
      "SIF_RefId": "751177C738B047CD831375FA1CF50CBB",
      "MealStatus": {
        "Type": "Reduced",
        "value": ""
      }
    },
    "Amount": {
      "Type": "Value",
      "Credits": "0",
      "Currency": "USD",
      "value": 12.0
    },
    "Description": "Purchase of food items by a student",
    "Voided": {
      "value": "No"
    }
  }
}
```


XML


```
<FoodserviceTransaction RefId="A9E34B359F44D51A8C3D00AA001A1652">
  <SchoolInfoRefId>EFA054E90CDE45C9BB8A87E9F8F9B238</SchoolInfoRefId>
  <Program Type="Foodservice">NSLP</Program>
  <TransactionDate>2003-08-25</TransactionDate>
  <TransactionTime>04:32:23-08:00</TransactionTime>
  <TransactionTypes>
    <TransactionType>Purchase</TransactionType>
  </TransactionTypes>
  <Customer SIF_RefObject="StudentPersonal" SIF_RefId="751177C738B047CD831375FA1CF50CBB">
    <MealStatus Type="Reduced" />
  </Customer>
  <Amount Type="Value" Credits="0" Currency="USD">12.00</Amount>
  <Description>Purchase of food items by a student</Description>
  <Voided>No</Voided>
</FoodserviceTransaction>
```


Example 3.6.15-1: FoodserviceTransaction

3.6.16 FoodserviceTransactionDetails

This object gives the transaction distribution for food service transactions of type other than `Purchase`. So, this object can be requested for transactions of type `Prepayment`, `Repayment`, `Refund`, `Adjustment`.

SIF_Events are reported for this object.

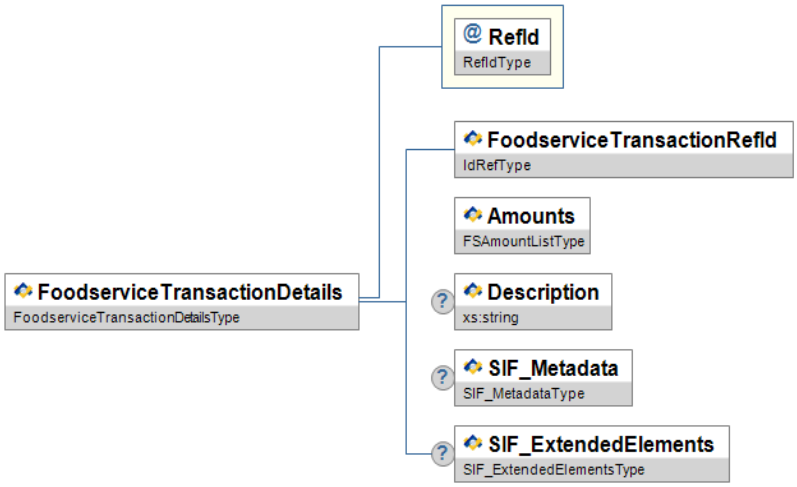


Figure 3.6.16-1: FoodserviceTransactionDetails

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceTransactionDetails			This object gives the transaction distribution for food service transactions of type other than `Purchase`. So, this object can be requested for transactions of type `Prepayment`, `Repayment`, `Refund`, `Adjustment`.	
@ 🔑	RefId	M		GUID that identifies transaction details	`RefIdType`
	FoodserviceTransactionRefId	M		GUID that identifies food service transaction	`IdRefType`
	Amounts	M			`FSAmountListType`
	Description	O		Description	`xs:string`
	SIF_Metadata	O			`SIF_MetadataType`
	SIF_ExtendedElements	O			`SIF_ExtendedElementsType`

Table 3.6.16-1: FoodserviceTransactionDetails

JSON

```
{
  "FoodserviceTransactionDetails": {
    "RefId": "E50EE86118004F238D21B86E70B5B4AA",
    "FoodserviceTransactionRefId": "D489306D404E4DB28E0B0DA8B4C24908",
    "Amounts": {
      "Amount": [
        {
          "Type": "Cash",
          "Credits": "0",
          "Currency": "USD",
          "value": 2.0
        },
        {
          "Type": "BreakfastCredit",
          "Credits": "3",
          "value": 4.5
        }
      ]
    },
    "Description": "Refund for 2 dollars cash and 3 breakfast credits."
  }
}
```

XML

```
<FoodserviceTransactionDetails RefId="E50EE86118004F238D21B86E70B5B4AA">
  <FoodserviceTransactionRefId>D489306D404E4DB28E0B0DA8B4C24908</FoodserviceTransactionRefId>
  <Amounts>
    <Amount Type="Cash" Credits="0" Currency="USD">2.00</Amount>
    <Amount Type="BreakfastCredit" Credits="3">4.50</Amount>
  </Amounts>
  <Description>Refund for 2 dollars cash and 3 breakfast credits.</Description>
</FoodserviceTransactionDetails>
```

Example 3.6.16-1: FoodserviceTransactionDetails

3.6.17 FoodserviceTransactionPayMethod

This object communicates the funding for a given transaction. By the term funding we refer to the form of payment that is made for the transaction.

SIF_Events are reported for this object.

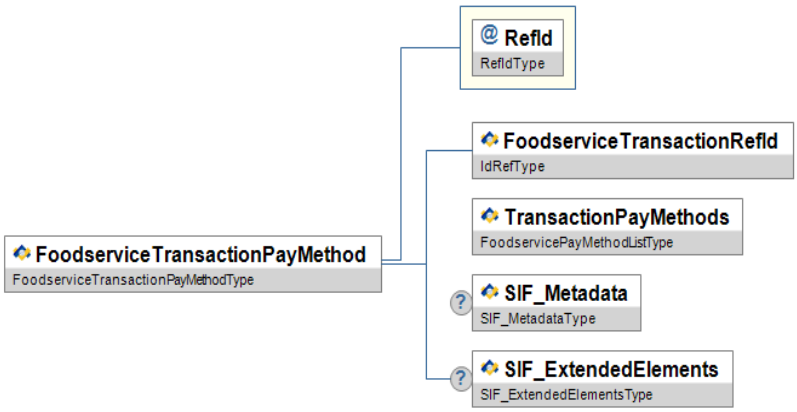


Figure 3.6.17-1: FoodserviceTransactionPayMethod

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceTransactionPayMethod			This object communicates the funding for a given transaction. By the term funding we refer to the form of payment that is made for the transaction.	
@ 🔑	RefId	M		GUID that identifies the payment	RefIdType
	FoodserviceTransactionRefId	M		GUID that identifies food service transaction	IdRefType
	TransactionPayMethods	M			FoodservicePayMethodListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.17-1: FoodserviceTransactionPayMethod

JSON

```
{
  "FoodserviceTransactionPayMethod": {
    "RefId": "FF8340A51D844EBDB156DE662BF373CE",
    "FoodserviceTransactionRefId": "A1D2C4527A484DB08DAD6C382F8F082F",
    "TransactionPayMethods": {
      "TransactionPayMethod": [
        {
          "Type": "Payment",
          "Amounts": {
            "Amount": [
              {
                "Type": "Cash",
                "Credits": "0",
                "value": 2.5
              },
              {
                "Type": "BreakfastCredit",
                "Credits": "1",
                "value": 1.5
              }
            ]
          }
        }
      ]
    }
  }
}
```

XML

```
<FoodserviceTransactionPayMethod RefId="FF8340A51D844EBDB156DE662BF373CE">
  <FoodserviceTransactionRefId>A1D2C4527A484DB08DAD6C382F8F082F</FoodserviceTransactionRefId>
  <TransactionPayMethods>
    <TransactionPayMethod Type="Payment">
      <Amounts>
        <Amount Type="Cash" Credits="0">2.50</Amount>
        <Amount Type="BreakfastCredit" Credits="1">1.50</Amount>
      </Amounts>
    </TransactionPayMethod>
  </TransactionPayMethods>
</FoodserviceTransactionPayMethod>
```

Example 3.6.17-1: FoodserviceTransactionPayMethod

3.6.18 StaffMeal

This object communicates the current meal status and account status of a given staff member. This object indicates whether the staff member is entitled to earn meals.

SIF_Events, typically Change events, can be reported.

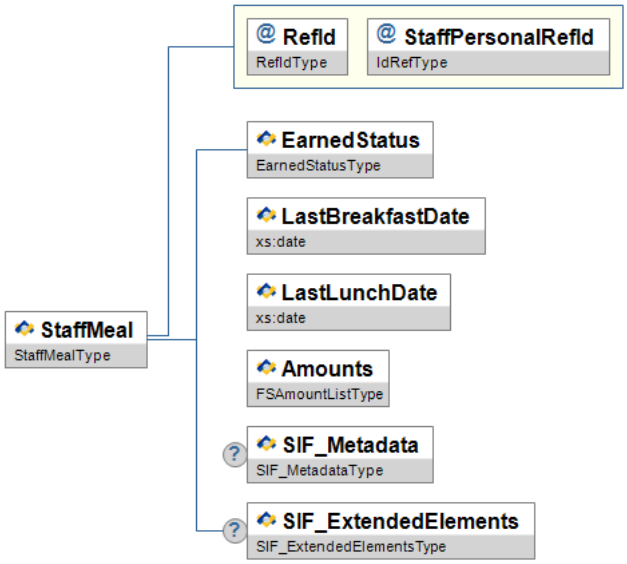


Figure 3.6.18-1: StaffMeal

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StaffMeal			This object communicates the current meal status and account status of a given staff member. This object indicates whether the staff member is entitled to earn meals.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.	RefIdType
@	StaffPersonalRefId	M		The GUID of the staff to whom this object is linked.	IdRefType
	EarnedStatus	M			EarnedStatusType
	LastBreakfastDate	M		Last breakfast served date	xs:date
	LastLunchDate	M		Last lunch served date	xs:date
	Amounts	M			FSAmountListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.18-1: StaffMeal

JSON

```
{
  "StaffMeal": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "StaffPersonalRefId": "A9E34B359F44D51A8C3D00AA001A1652",
    "EarnedStatus": {
      "Type": "Yes",
      "StartDate": "2003-08-25",
      "EndDate": "2003-08-25"
    },
    "LastBreakfastDate": "2003-08-25",
    "LastLunchDate": "2003-08-25",
    "Amounts": {
      "Amount": [
        {
          "Type": "Cash",
          "Credits": "0",
          "value": 3.5
        },
        {
          "Type": "BreakfastCredit",
          "Credits": "3",
          "value": 3.0
        },
        {
          "Type": "LunchCredit",
          "Credits": "5",
          "value": 7.5
        }
      ]
    }
  }
}
```


XML


```
<StaffMeal RefId="359D75101AD0A9D7A8C3DAD0A85103A2" StaffPersonalRefId="A9E34B359F44D51A8C3D00AA001A1652">
  <EarnedStatus Type="Yes">
    <StartDate>2003-08-25</StartDate>
    <EndDate>2003-08-25</EndDate>
  </EarnedStatus>
  <LastBreakfastDate>2003-08-25</LastBreakfastDate>
  <LastLunchDate>2003-08-25</LastLunchDate>
  <Amounts>
    <Amount Type="Cash" Credits="0">3.50</Amount>
    <Amount Type="BreakfastCredit" Credits="3">3.00</Amount>
    <Amount Type="LunchCredit" Credits="5">7.50</Amount>
  </Amounts>
</StaffMeal>
```


Example 3.6.18-1: StaffMeal

3.6.19 StudentMeal

This object communicates the current meal/account status of a given student.

This object will return information such as the amount of remaining breakfast/lunch credits, cash balance, meal status (free/reduced), etc. Systems may optionally support the historical reporting of a student's meal status (free/reduced).

SIF_Events, typically Change events, can be reported.

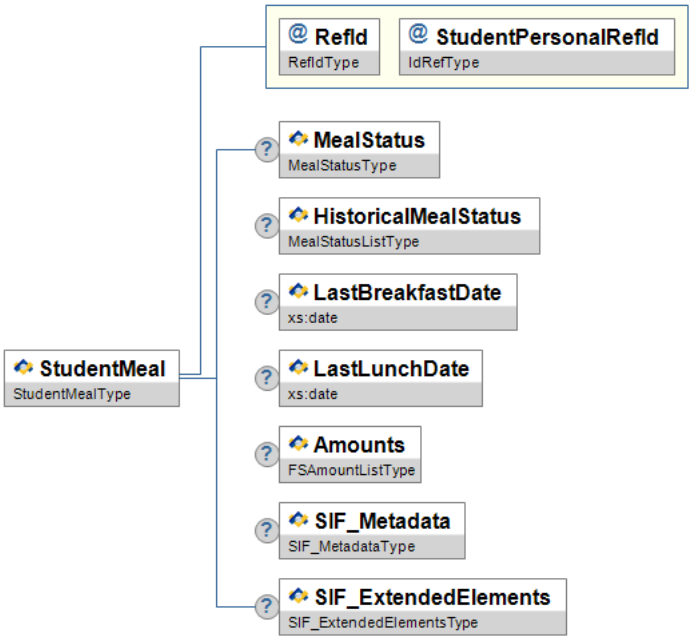


Figure 3.6.19-1: StudentMeal

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentMeal			This object communicates the current meal/account status of a given student. This object will return information such as the amount of remaining breakfast/lunch credits, cash balance, meal status (free/reduced), etc. Systems may optionally support the historical reporting of a student's meal status (free/reduced).	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.	RefIdType
@	StudentPersonalRefId	M		The GUID of the student to whom this object is linked.	IdRefType
	MealStatus	O		The student's current meal status.	MealStatusType
	HistoricalMealStatus	O		Optionally provides the meal status of the student historically. Note that as this status is historical, `StartDate` and `EndDate` together, and/or `SchoolYear` `MUST` be included. If `SchoolYear` is included, `StartDate` and `EndDate` should not cross school year boundaries, i.e. in addition to multiple statuses being a possibility in a given school year, the same status may be repeated so `StartDate` and `EndDate` don't disagree with `SchoolYear`, if included.	MealStatusListType
	LastBreakfastDate	O		Date of the last reimbursable breakfast served.	xs:date
	LastLunchDate	O		Date of the last reimbursable lunch served.	xs:date
	Amounts	O			FSAmountListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.6.19-1: StudentMeal

JSON


```
{
  "StudentMeal": {
    "RefId": "C4E34B359D75101A8C3D00AA001A1792",
    "StudentPersonalRefId": "D3E34B359D75101A8C3D00AA001A1652",
    "MealStatus": {
      "Type": "Free",
      "value": ""
    },
    "HistoricalMealStatus": {
      "MealStatus": [
        {
          "Type": "Reduced",
          "StartDate": "2003-09-01",
          "EndDate": "2004-06-01",
          "SchoolYear": "2004"
        },
        {
          "Type": "None",
          "SchoolYear": "2003"
        }
      ]
    },
    "LastBreakfastDate": "2005-09-25",
    "LastLunchDate": "2005-09-25",
    "Amounts": {
      "Amount": [
        {
          "Type": "Cash",
          "Credits": "0",
          "value": 3.5
        },
        {
          "Type": "BreakfastCredit",
          "Credits": "3",
          "value": 3.0
        },
        {
          "Type": "LunchCredit",
          "Credits": "5",
          "value": 7.5
        }
      ]
    }
  }
}
```


XML

```
<StudentMeal RefId="C4E34B359D75101A8C3D00AA001A1792" StudentPersonalRefId="D3E34B359D75101A8C3D00AA001A1652">
  <MealStatus Type="Free" />
  <HistoricalMealStatus>
    <MealStatus Type="Reduced">
      <StartDate>2003-09-01</StartDate>
      <EndDate>2004-06-01</EndDate>
      <SchoolYear>2004</SchoolYear>
    </MealStatus>
    <MealStatus Type="None">
      <SchoolYear>2003</SchoolYear>
    </MealStatus>
  </HistoricalMealStatus>
  <LastBreakfastDate>2005-09-25</LastBreakfastDate>
  <LastLunchDate>2005-09-25</LastLunchDate>
  <Amounts>
    <Amount Type="Cash" Credits="0">3.50</Amount>
    <Amount Type="BreakfastCredit" Credits="3">3.00</Amount>
    <Amount Type="LunchCredit" Credits="5">7.50</Amount>
  </Amounts>
</StudentMeal>
```

Example 3.6.19-1: StudentMeal

3.7 Grade Book Working Group

The goal of the Grade Book Working Group is an efficient, functional standard that supports the entire SIF structure, allowing for easy, bi-directional transfer of data integral to grading.

3.7.1 GradingAssignment

This object provides information about a particular assignment, allows applications to synchronize each other's assignment tables, gathers the definition for a GradingAssignmentScore object, etc.

SIF_Events are reported for this object.

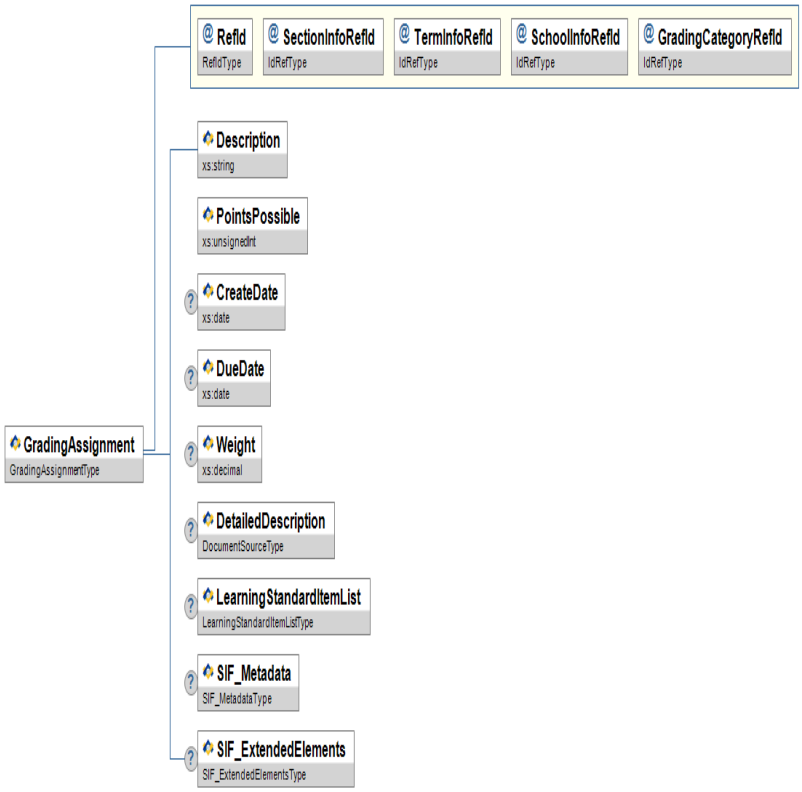


Figure 3.7.1-1: GradingAssignment

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	GradingAssignment			This object provides information about a particular assignment, allows applications to synchronize each other's assignment tables, gathers the definition for a GradingAssignmentScore object, etc.	
@	RefId	M		A GUID that identifies an instance of this object.	RefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	SectionInfoRefId	M		The GUID for the SectionInfo object.	IdRefType
@	TermInfoRefId	M		The GUID for the TermInfo object that defines the marking period that the assignment was created in.	IdRefType
@	SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the School that these Mark Values apply to.	IdRefType
@	GradingCategoryRefId	M		The GUID for the GradingCategory that this assignment is part of.	IdRefType
	Description	M		The text-based description of the assignment.	xs:string
	PointsPossible	M		The points possible on the assignment.	xs:unsignedInt
	CreateDate	O		Creation date of the assignment.	xs:date
	DueDate	O		Date the assignment is due.	xs:date
	Weight	O		The weight of the assignment.	xs:decimal
	DetailedDescription	O		This element defines the assignment. If the `Type` attribute is `URL`, this is the location of the document that describes the assignment. If `Type` is `PDF`, this element will contain the Base64 encoding of the entire document.	DocumentSourceType
	LearningStandardItemList	O		References to LearningStandardItems or LearningStandardDocuments directly.	LearningStandardItemListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.7.1-1: GradingAssignment

JSON

```
{
  "GradingAssignment": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "SectionInfoRefId": "D0A0A27AD0A8510AD9D75101A8C3DA39",
    "TermInfoRefId": "A8C3A2E35B359D75101D00AA001A0000",
    "GradingCategoryRefId": "98A57A0013BA8C3D00AA012B359D751A",
    "SchoolInfoRefId": "11737EA4301CADCA75C87214A7C46BDB",
    "Description": "Pop Quiz",
    "PointsPossible": 100,
    "CreateDate": "2000-11-21",
    "DueDate": "2000-11-25",
    "Weight": 1.0,
    "DetailedDescription": {
      "Type": "URL",
      "value": "http://www.assignmentinfo.com/assignment1.pdf"
    }
  }
}
```

XML

```
<GradingAssignment RefId="359D75101AD0A9D7A8C3DAD0A85103A2" SectionInfoRefId="D0A0A27AD0A8510AD9D75101A8C3DA39" TermInfoRefId="A8C3A2E35B359D75101D00AA0
  <Description>Pop Quiz</Description>
  <PointsPossible>100</PointsPossible>
  <CreateDate>2000-11-21</CreateDate>
  <DueDate>2000-11-25</DueDate>
  <Weight>1.0</Weight>
  <DetailedDescription Type="URL">http://www.assignmentinfo.com/assignment1.pdf</DetailedDescription>
</GradingAssignment>
```

Example 3.7.1-1: GradingAssignment

3.7.2 GradingAssignmentScore

This object provides score information about a particular assignment.

SIF_Events are reported for this object.

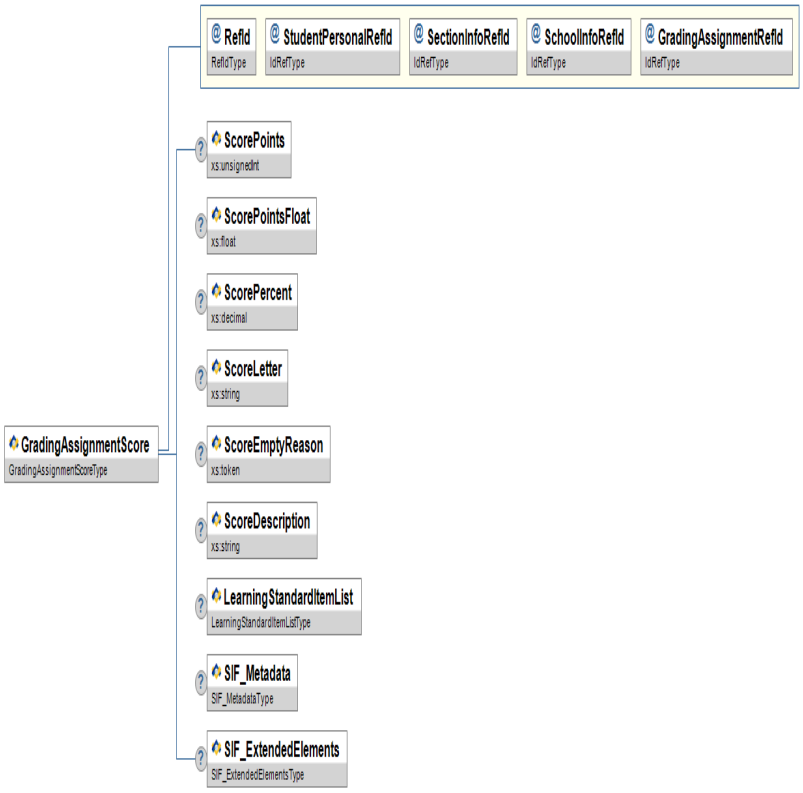


Figure 3.7.2-1: GradingAssignmentScore

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	GradingAssignmentScore			This object provides score information about a particular assignment.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.	RefIdType
@ 🔑	StudentPersonalRefId	M			IdRefType
@	SectionInfoRefId	M			IdRefType
@	SchoolInfoRefId	M		The GUID that specifies the school this score was recorded at.	IdRefType
@ 🔑	GradingAssignmentRefId	M			IdRefType
	ScorePoints	C		The score represented as points. Conditionally required that one or more of ScorePoints, ScorePointsFloat, ScorePercent, ScoreLetter or ScoreEmptyReason be present.	xs:unsignedInt
	ScorePointsFloat	C		The score represented as points and partial points. Conditionally required that one or more of ScorePoints, ScorePointsFloat, ScorePercent, ScoreLetter or ScoreEmptyReason be present.	xs:float

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ScorePercent	C		The score represented as a percent. Conditionally required that one or more of ScorePoints, ScorePointsFloat, ScorePercent, ScoreLetter or ScoreEmptyReason be present.	xs:decimal
	ScoreLetter	C		The score represented as a letter grade. Conditionally required that one or more of ScorePoints, ScorePointsFloat, ScorePercent, ScoreLetter or ScoreEmptyReason be present.	xs:string
	ScoreEmptyReason	C	000934 https://ceds.ed.gov/element/000934	Code that represents why the assignment is not scored using any of the other methods. Conditionally required that one or more of ScorePoints, ScorePointsFloat, ScorePercent, ScoreLetter or ScoreEmptyReason be present.	xs:token
	ScoreDescription	O		Text description of the score.	xs:string
	LearningStandardItemList	O		References to LearningStandardItems or LearningStandardDocuments directly.	LearningStandardItemListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.7.2-1: GradingAssignmentScore

JSON

```
{
  "GradingAssignmentScore": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "StudentPersonalRefId": "A75A00101A8C301D02E3A05B359D0A00",
    "SectionInfoRefId": "D0A0A27AD0A8510AD9D75101A8C3DA39",
    "SchoolInfoRefId": "11737EA4301CADCA75C87214A7C46BDB",
    "GradingAssignmentRefId": "359D75101AD0A9D7A8C3DAD0A85105D2",
    "ScorePoints": 45,
    "ScorePercent": 90,
    "ScoreDescription": "Excellent"
  }
}
```

XML

```
<GradingAssignmentScore RefId="359D75101AD0A9D7A8C3DAD0A85103A2" StudentPersonalRefId="A75A00101A8C301D02E3A05B359D0A00" SectionInfoRefId="D0A0A27AD0A85
  <ScorePoints>45</ScorePoints>
  <ScorePercent>90</ScorePercent>
  <ScoreDescription>Excellent</ScoreDescription>
</GradingAssignmentScore>
```

Example 3.7.2-1: GradingAssignmentScore

3.7.3 GradingCategory

This object provides information about a particular grading category to provide grouping and type information for assignments.

SIF_Events are reported for this object.

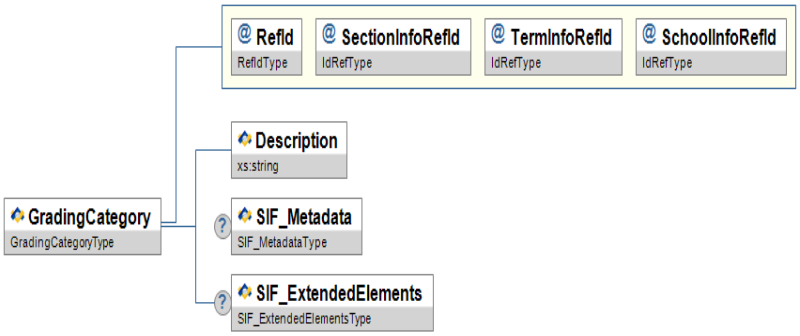


Figure 3.7.3-1: GradingCategory

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	GradingCategory			This object provides information about a particular grading category to provide grouping and type information for assignments.	
@	RefId	M		GUID that identifies a grading category.	RefIdType
@	SectionInfoRefId	M		The GUID for the SectionInfo object that this category is used for grading in.	IdRefType
@	TermInfoRefId	M		The GUID for the TermInfo object that defines the marking period that the category was created in.	IdRefType
@	SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the School that these Mark Values apply to.	IdRefType
	Description	M		The name/short description of the category.	xs:string
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.7.3-1: GradingCategory

JSON

```
{
  "GradingCategory": {
    "RefId": "98157AA013BA8C3D00AA012B359D7512",
    "SectionInfoRefId": "13BA8C3D00AA098157AA012B359D7512",
    "TermInfoRefId": "D00AA012B359D798157AA013BA8C3512",
    "SchoolInfoRefId": "11737EA4301CADCA75C87214A7C46BDB",
    "Description": "Tests"
  }
}
```

XML

```
<GradingCategory RefId="98157AA013BA8C3D00AA012B359D7512" SectionInfoRefId="13BA8C3D00AA098157AA012B359D7512" TermInfoRefId="D00AA012B359D798157AA013BA8
  <Description>Tests</Description>
</GradingCategory>
```

Example 3.7.3-1: GradingCategory

3.7.4 MarkInfo

This object defines each mark that can be recorded and associates it with a MarkValueInfo object that lists the types of values and valid values for each type. It also places the definition in the context of a school and a school year.

SIF_Events are reported for this object.

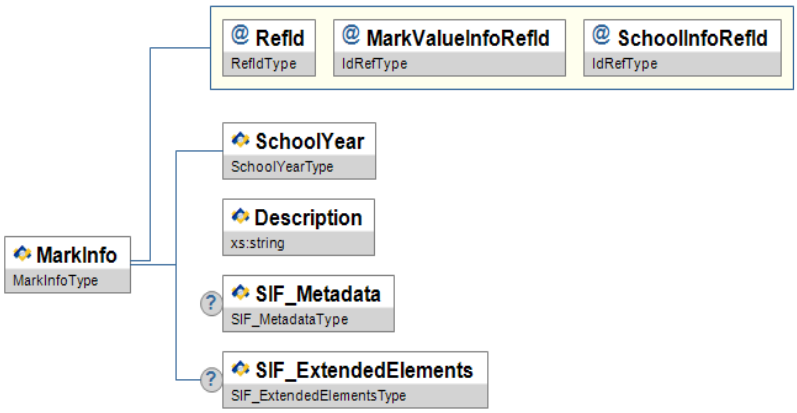


Figure 3.7.4-1: MarkInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MarkInfo			This object defines each mark that can be recorded and associates it with a MarkValueInfo object that lists the types of values and valid values for each type. It also places the definition in the context of a school and a school year.	
@	RefId	M		The Id (GUID) that uniquely identifies this Grading Mark entity.	RefIdType
@	MarkValueInfoRefId	M		The Id (GUID) that uniquely identifies the MarkValueInfo.	IdRefType
@	SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the School that this Mark applies to.	IdRefType
	SchoolYear	M		The year that this MarkInfo applies to.	SchoolYearType
	Description	M		Textual description of the type of Mark (e.g. "Marking Period Grade", "Comment 1", "Comment 2", "Conduct", "Effort", "WorkHabits").	xs:string
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.7.4-1: MarkInfo

JSON

```
{
  "MarkInfo": {
    "RefId": "46BDBA4301C11737E214A7CADCA75C87",
    "MarkValueInfoRefId": "301CADCA7511737E214A7C46BDBA4E23",
    "SchoolInfoRefId": "11737EA4301CADCA75C87214A7C46BDB",
    "SchoolYear": "2004",
    "Description": "Marking Period Grade"
  }
}
```

XML

```
<MarkInfo RefId="46BDBA4301C11737E214A7CADCA75C87" MarkValueInfoRefId="301CADCA7511737E214A7C46BDBA4E23" SchoolInfoRefId="11737EA4301CADCA75C87214A7C46B
  <SchoolYear>2004</SchoolYear>
  <Description>Marking Period Grade</Description>
</MarkInfo>
```

Example 3.7.4-1: MarkInfo

JSON

```
{
  "MarkInfo": {
    "RefId": "11737E214A7C46BDBA4301CADCA75C87",
    "MarkValueInfoRefId": "11737E214A7C46BDBA4301CADCA75E23",
    "SchoolInfoRefId": "11737EA4301CADCA75C87214A7C46BDB",
    "SchoolYear": "2004",
    "Description": "Conduct Grade"
  }
}
```

XML

```
<MarkInfo RefId="11737E214A7C46BDBA4301CADCA75C87" MarkValueInfoRefId="11737E214A7C46BDBA4301CADCA75E23" SchoolInfoRefId="11737EA4301CADCA75C87214A7C46B
  <SchoolYear>2004</SchoolYear>
  <Description>Conduct Grade</Description>
</MarkInfo>
```

Example 3.7.4-2: MarkInfo

3.7.5 MarkValueInfo

This object defines the types of values allowed for a mark and the domain for each mark value. At least one of the Percentage, Numeric, Letter or Narrative nodes must be used to create a valid MarkValueInfo.

SIF_Events are reported for this object.

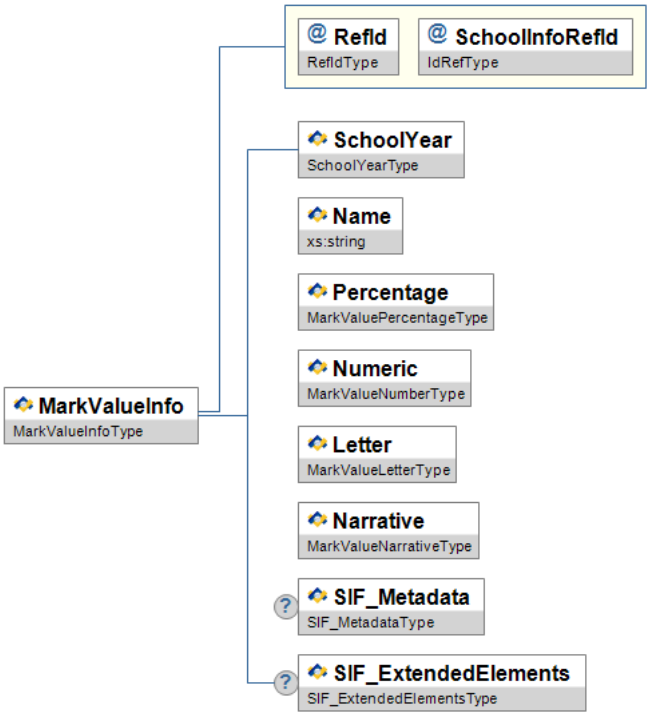


Figure 3.7.5-1: MarkValueInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MarkValueInfo			This object defines the types of values allowed for a mark and the domain for each mark value. At least one of the Percentage, Numeric, Letter or Narrative nodes must be used to create a valid MarkValueInfo.	
@	RefId	M		The Id (GUID) that uniquely identifies this MarkValueInfo entity.	RefIdType
@	SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the School that these Mark Values apply to.	IdRefType
	SchoolYear	M		The year that this MarkValueInfo applies to.	SchoolYearType
	Name	M		The text name of the value list ("Letter Grades", "Letter Grades (+/-)", "ESU", "Pass/Fail", "Override Grades", "Citizenship Comment Codes", etc.).	xs:string
	Percentage	M		Indicates whether a percent Mark is accepted (format ##0.00).	MarkValuePercentageType
	Numeric	M		Indicates whether a raw numeric score is accepted.	MarkValueNumberType
	Letter	M		Indicates whether a letter Mark is accepted.	MarkValueLetterType
	Narrative	M		If present, indicates that a free-form text narrative is accepted.	MarkValueNarrativeType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.7.5-1: MarkValueInfo

JSON

```
{
  "MarkValueInfo": {
    "RefId": "11737E214A7C46BDBA4301CADCA75C87",
    "SchoolInfoRefId": "11737EA4301CADCA75C87214A7C46BDB",
    "SchoolYear": "2004",
    "Name": "Letter Grades",
    "Percentage": {
      "IsAccepted": "false",
      "value": ""
    },
    "Numeric": {
      "IsAccepted": "false",
      "value": ""
    },
    "Letter": {
      "IsAccepted": "true",
      "ValidMark": [
        {
          "Code": "A",
          "NumericEquivalent": 100
        },
        {
          "Code": "B",
          "NumericEquivalent": 90
        },
        {
          "Code": "C",
          "NumericEquivalent": 80
        },
        {
          "Code": "D",
          "NumericEquivalent": 70
        },
        {
          "Code": "F",
          "NumericEquivalent": 60
        }
      ]
    },
    "Narrative": {
      "IsAccepted": "false",
      "value": ""
    }
  }
}
```

XML

```
<MarkValueInfo RefId="11737E214A7C46BDBA4301CADCA75C87" SchoolInfoRefId="11737EA4301CADCA75C87214A7C46BDB">
  <SchoolYear>2004</SchoolYear>
  <Name>Letter Grades</Name>
  <Percentage IsAccepted="false" />
  <Numeric IsAccepted="false" />
  <Letter IsAccepted="true">
    <ValidMark>
      <Code>A</Code>
      <NumericEquivalent>100</NumericEquivalent>
    </ValidMark>
    <ValidMark>
      <Code>B</Code>
      <NumericEquivalent>90</NumericEquivalent>
    </ValidMark>
    <ValidMark>
      <Code>C</Code>
      <NumericEquivalent>80</NumericEquivalent>
    </ValidMark>
    <ValidMark>
      <Code>D</Code>
      <NumericEquivalent>70</NumericEquivalent>
    </ValidMark>
    <ValidMark>
      <Code>F</Code>
      <NumericEquivalent>60</NumericEquivalent>
    </ValidMark>
  </Letter>
  <Narrative IsAccepted="false" />
</MarkValueInfo>
```

Example 3.7.5-1: MarkValueInfo

JSON

```
{
  "MarkValueInfo": {
    "RefId": "11737E214A7C46BDBA4301CADCA75C87",
    "SchoolInfoRefId": "11737EA4301CADCA75C87214A7C46BDB",
    "SchoolYear": "2004",
    "Name": "Numeric Grade",
    "Percentage": {
      "IsAccepted": "false",
      "value": ""
    },
    "Numeric": {
      "IsAccepted": "true",
      "Precision": 6,
      "Scale": 2,
      "Low": 0,
      "High": 1000
    },
    "Letter": {
      "IsAccepted": "false",
      "value": ""
    },
    "Narrative": {
      "IsAccepted": "false",
      "value": ""
    }
  }
}
```

XML

```
<MarkValueInfo RefId="11737E214A7C46BDBA4301CADCA75C87" SchoolInfoRefId="11737EA4301CADCA75C87214A7C46BDB">
  <SchoolYear>2004</SchoolYear>
  <Name>Numeric Grade</Name>
  <Percentage IsAccepted="false" />
  <Numeric IsAccepted="true">
    <Precision>6</Precision>
    <Scale>2</Scale>
    <Low>0</Low>
    <High>1000</High>
  </Numeric>
  <Letter IsAccepted="false" />
  <Narrative IsAccepted="false" />
</MarkValueInfo>
```

Example 3.7.5-2: MarkValueInfo

JSON

```
{
  "MarkValueInfo": {
    "RefId": "11737E214A7C46BDBA4301CADCA75C87",
    "SchoolInfoRefId": "11737EA4301CADCA75C87214A7C46BDB",
    "SchoolYear": "2004",
    "Name": "Free Form Comment",
    "Percentage": {
      "IsAccepted": "false",
      "value": ""
    },
    "Numeric": {
      "IsAccepted": "false",
      "value": ""
    },
    "Letter": {
      "IsAccepted": "false",
      "value": ""
    },
    "Narrative": {
      "IsAccepted": "true",
      "MaximumSize": 255
    }
  }
}
```

XML

```
<MarkValueInfo RefId="11737E214A7C46BDBA4301CADCA75C87" SchoolInfoRefId="11737EA4301CADCA75C87214A7C46BDB">
  <SchoolYear>2004</SchoolYear>
  <Name>Free Form Comment</Name>
  <Percentage IsAccepted="false" />
  <Numeric IsAccepted="false" />
  <Letter IsAccepted="false" />
  <Narrative IsAccepted="true">
    <MaximumSize>255</MaximumSize>
  </Narrative>
</MarkValueInfo>
```

Example 3.7.5-3: MarkValueInfo

3.7.6 OfficialStudentPeriodAttendance

This object provides attendance for a student in the context of a SectionInfo object. It is used to represent the final/official attendance that has been assigned to a student. Only one agent in a zone should generate events for this object. That agent is responsible for receiving and validating all StudentPeriodAttendance events and for generating a corresponding OfficialStudentPeriodAttendance event once any unofficial events have been processed.

SIF_Events are reported for this object.

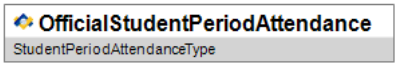


Figure 3.7.6-1: OfficialStudentPeriodAttendance

Element/@Attribute	Char	CEDS Id/URL	Description	Type
OfficialStudentPeriodAttendance			This object provides attendance for a student in the context of a SectionInfo object. It is used to represent the final/official attendance that has been assigned to a student. Only one agent in a zone should generate events for this object. That agent is responsible for receiving and validating all StudentPeriodAttendance events and for generating a corresponding OfficialStudentPeriodAttendance event once any unofficial events have been processed.	Extension of StudentPeriodAttendance

Table 3.7.6-1: OfficialStudentPeriodAttendance

JSON

```
{
 "OfficialStudentPeriodAttendance": {
   "RefId": "98157AA013BA8C3D00AA012B359D7512",
   "StudentPersonalRefId": "A75A00101A8C301D02E3A05B359D0A00",
   "SchoolInfoRefId": "11737EA4301CADCA75C87214A7C46BDB",
   "Date": "2001-03-05",
   "SectionInfoRefId": "D02E3A05B359DA75A00101A8C3010A00",
   "TimetablePeriod": "P4",
   "AttendanceCode": {
     "AttendanceCodeInfoRefId": "1A0000359D75101A8C3D00AA00A2E35B",
     "value": "042"
   },
   "AuditInfo": {
     "CreationUser": {
       "Type": "School Admin",
       "UserId": "AttendanceKeeper"
     },
     "CreationDateTime": "2006-09-26T13:43:00-07:00"
   }
 }
}
```


XML


```
<OfficialStudentPeriodAttendance RefId="98157AA013BA8C3D00AA012B359D7512" StudentPersonalRefId="A75A00101A8C301D02E3A05B359D0A00" SchoolInfoRefId="11737
  <TimetablePeriod>P4</TimetablePeriod>
  <AttendanceCode AttendanceCodeInfoRefId="1A0000359D75101A8C3D00AA00A2E35B">042</AttendanceCode>
  <AuditInfo>
    <CreationUser Type="School Admin">
      <UserId>AttendanceKeeper</UserId>
    </CreationUser>
    <CreationDateTime>2006-09-26T15:43:00-05:00</CreationDateTime>
  </AuditInfo>
</OfficialStudentPeriodAttendance>
```


Example 3.7.6-1: OfficialStudentPeriodAttendance

3.7.7 SectionMarkInfo

This object defines the marking periods (TermInfo) that marks (StudentSectionMarks) are recorded in for a particular section (SectionInfo) and lists the types of marks (MarkTypeInfo) that are valid for that marking period (TermInfo).

SIF_Events are reported for this object.

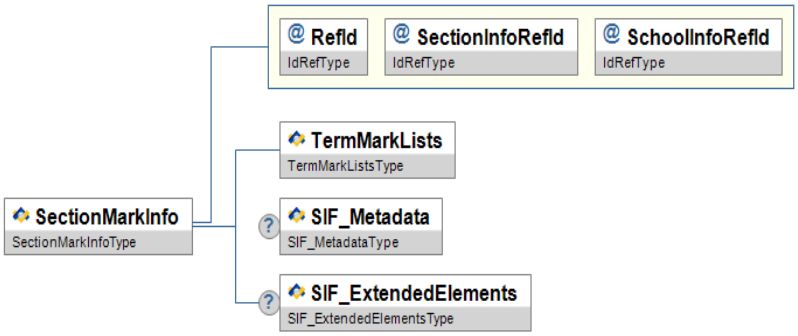


Figure 3.7.7-1: SectionMarkInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SectionMarkInfo			This object defines the marking periods (TermInfo) that marks (StudentSectionMarks) are recorded in for a particular section (SectionInfo) and lists the types of marks (MarkTypeInfo) that are valid for that marking period (TermInfo).	
@	RefId	M		A GUID that identifies an instance of the object. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.	IdRefType
@	SectionInfoRefId	M		The Id (GUID) that uniquely identifies the SectionInfo object that this item refers to.	IdRefType
@	SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the School that these Mark Values apply to.	IdRefType
	TermMarkLists	M			TermMarkListsType
	SIF_Metadata	O			SIF_MetadataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.7.7-1: SectionMarkInfo

JSON


```
{
  "SectionMarkInfo": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "SectionInfoRefId": "11737E214A7C46BDBA4301CADCA75C87",
    "SchoolInfoRefId": "11737EA4301CADCA75C87214A7C46BDB",
    "TermMarkLists": {
      "MarkInfoList": [
        {
          "TermInfoRefId": "BDBA4301CA1A7C461737DCA75C87E214",
          "MarkInfoRefId": [
            "A7C46BDBA4301CA11737E214DCA75C87",
            "BA4301CADCA75C8711737E214A7C46BD"
          ]
        },
        {
          "TermInfoRefId": "01CA1BDBA43A7C461737DCA75C87E214",
          "MarkInfoRefId": [
            "A7C46BDBA4301CA11737E214DCA75C87",
            "BA4301CADCA75C8711737E214A7C46BD"
          ]
        }
      ]
    }
  }
}
```


XML


```
<SectionMarkInfo RefId="359D75101AD0A9D7A8C3DAD0A85103A2" SectionInfoRefId="11737E214A7C46BDBA4301CADCA75C87" SchoolInfoRefId="11737EA4301CADCA75C87214A
  <TermMarkLists>
    <MarkInfoList TermInfoRefId="BDBA4301CA1A7C461737DCA75C87E214">
      <MarkInfoRefId>A7C46BDBA4301CA11737E214DCA75C87</MarkInfoRefId>
      <MarkInfoRefId>BA4301CADCA75C8711737E214A7C46BD</MarkInfoRefId>
    </MarkInfoList>
    <MarkInfoList TermInfoRefId="01CA1BDBA43A7C461737DCA75C87E214">
      <MarkInfoRefId>A7C46BDBA4301CA11737E214DCA75C87</MarkInfoRefId>
      <MarkInfoRefId>BA4301CADCA75C8711737E214A7C46BD</MarkInfoRefId>
    </MarkInfoList>
  </TermMarkLists>
</SectionMarkInfo>
```


Example 3.7.7-1: SectionMarkInfo

3.7.8 StudentGrade

This is an object that a LMS or other application will utilize to provide grades about students in a section to a grade book. A grade book is often used to collect various assignment scores or test scores for students in a class or section and then calculate various grades or marks that are printed on report cards. When a LMS is also being used in a LEA, additional information is gathered by the LMS and some of this information needs to be available to the grade book to facilitate calculation of the report card grades or marks (i.e. StudentSectionMarks). This object is available to facilitate communication of the final grade from the LMS to the grade book.

SIF_Events are reported for this object.

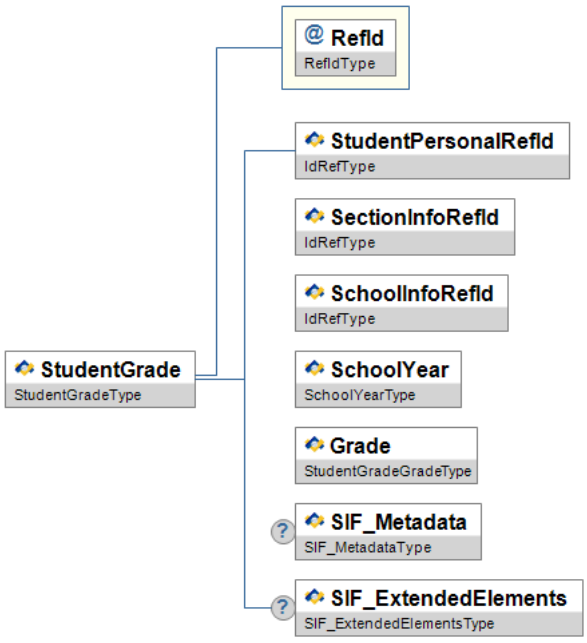


Figure 3.7.8-1: StudentGrade

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentGrade			This object contains the final grade for a student in a section.	
@	RefId	M		The Id (GUID) that uniquely identifies this object.	RefIdType
	StudentPersonalRefId	M		The Id (GUID) that uniquely identifies the `StudentPersonal` object that this item refers to.	IdRefType
	SectionInfoRefId	M		The Id (GUID) that uniquely identifies the `SectionInfo` object that this item refers to.	IdRefType
	SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the school that these values apply to.	IdRefType
	SchoolYear	M		School year for which this information is applicable, expressed as the four-digit year in which the school year ends (e.g., `2008` for the 2007-08 school year).	SchoolYearType
	Grade	M		This is the one grade given for this student and section. At least one numeric, percentage or letter must be provided as defined in the fields below. If `Grade/Numeric` is entered, `Grade/OutOf`, `Grade/Low` and `Grade/High` must also be entered.	StudentGradeGradeType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.7.8-1: StudentGrade

JSON


```
{
  "StudentGrade": {
    "RefId": "0E54211E78674FC9B32E5FD5AC2A4CE0",
    "StudentPersonalRefId": "A137D78E00BC744EF90AF2871CEB90A2",
    "SectionInfoRefId": "AAA0937D8392BB0297ECA78D8F9A3914",
    "SchoolInfoRefId": "830DCB82EA8A90243BC4E7AD902BC47D",
    "SchoolYear": "2008",
    "Grade": {
      "Percentage": 79,
      "Numeric": 3.0,
      "OutOf": 4.0,
      "Low": 0.0,
      "High": 4.5,
      "Letter": "C",
      "Narrative": "Johnny is only achieving average performance."
    },
    "SIF_Metadata": {
      "EducationFilter": {
        "LearningStandardItems": {
          "LearningStandardItemRefId": [
            "502070339FA347B5B123BEF68D118332"
          ]
        }
      }
    }
  }
}
```


XML


```
<StudentGrade RefId="0E54211E78674FC9B32E5FD5AC2A4CE0">
  <StudentPersonalRefId>A137D78E00BC744EF90AF2871CEB90A2</StudentPersonalRefId>
  <SectionInfoRefId>AAA0937D8392BB0297ECA78D8F9A3914</SectionInfoRefId>
  <SchoolInfoRefId>830DCB82EA8A90243BC4E7AD902BC47D</SchoolInfoRefId>
  <SchoolYear>2008</SchoolYear>
  <Grade>
    <Percentage>79</Percentage>
    <Numeric>3.0</Numeric>
    <OutOf>4.0</OutOf>
    <Low>0.0</Low>
    <High>4.5</High>
    <Letter>C</Letter>
    <Narrative>Johnny is only achieving average performance.</Narrative>
  </Grade>
  <SIF_Metadata>
    <EducationFilter>
      <LearningStandardItems>
        <LearningStandardItemRefId>502070339FA347B5B123BEF68D118332</LearningStandardItemRefId>
      </LearningStandardItems>
    </EducationFilter>
  </SIF_Metadata>
</StudentGrade>
```


Example 3.7.8-1: StudentGrade

3.7.9 StudentPeriodAttendance

This object provides attendance for a student in the context of a SectionInfo object. This object is used by all agents in a zone that provide period attendance, but don't have the logic to determine whether or not they have sufficient rights to override attendance from another user or system. Agents that represent a system that can validate attendance based on, among other things, its source, should subscribe to StudentPeriodAttendance events to collect "suggested" attendance changes from the zone, and should then publish "accepted" attendance changes as OfficialStudentPeriodAttendance events. A rejected change would result in an event that reverts the system that generated the rejected event back to its previous state or to some other state that represents the correct "official" attendance.

SIF_Events are reported for this object.

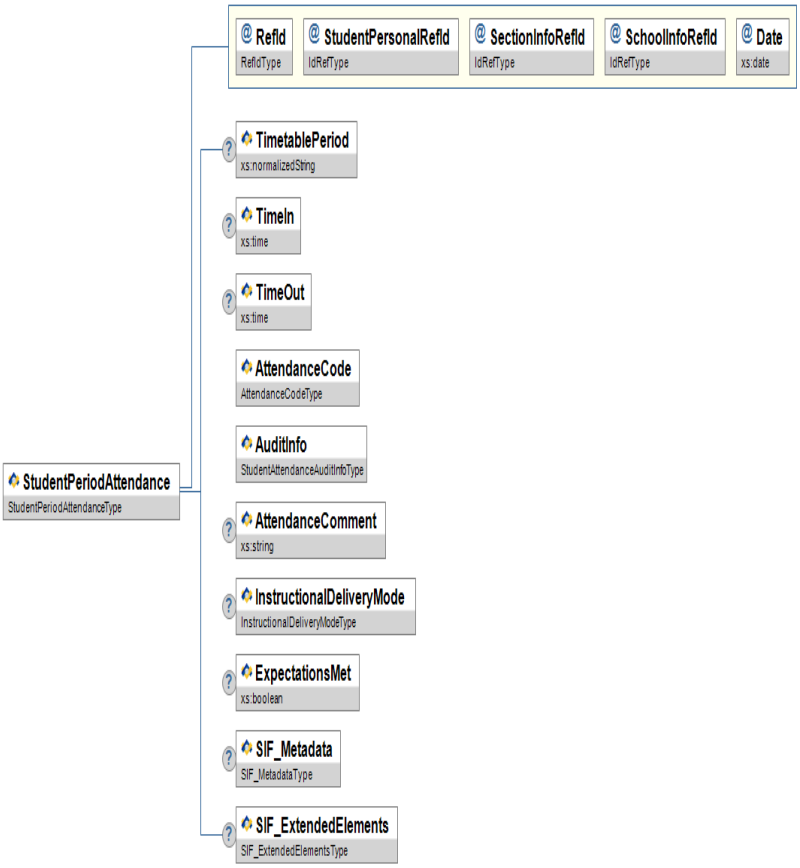


Figure 3.7.9-1: StudentPeriodAttendance

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPeriodAttendance			This object provides attendance for a student in the context of a SectionInfo object. This object is used by all agents in a zone that provide period attendance, but don't have the logic to determine whether or not they have sufficient rights to override attendance from another user or system. Agents that represent a system that can validate attendance based on, among other things, its source, should subscribe to StudentPeriodAttendance events to collect "suggested" attendance changes from the zone, and should then publish "accepted" attendance changes as OfficialStudentPeriodAttendance events. A rejected change would result in an event that reverts the system that generated the rejected event back to its previous state or to some other state that represents the correct "official" attendance.	
@	RefId	M			RefIdType
@	StudentPersonalRefId	M		The GUID of the student that this attendance applies to.	IdRefType
@	SectionInfoRefId	M		The GUID of the section that this attendance applies to.	IdRefType
@	SchoolInfoRefId	M		The school where the attendance was recorded. Somewhat redundant, needed for requests.	IdRefType
@	Date	M		The date of the attendance event.	xs:date

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TimetablePeriod	C		The period within which attendance is being reported, e.g. "4D". Conditional on the SectionInfo object having MeetingTime elements. If one or more are defined for the Section, this element is required.	xs:normalizedString
	TimeIn	O		The time the student entered or returned to this class.	xs:time
	TimeOut	O		The time the student left this class.	xs:time
	AttendanceCode	M		The local attendance code.	AttendanceCodeType
	AuditInfo	M		An audit trail to help determine who entered this attendance event and when.	StudentAttendanceAuditInfoType
	AttendanceComment	O		This element contains the comments that are relevant to this attendance record.	xs:string
	InstructionalDeliveryMode	O		How instruction was delivered.	InstructionalDeliveryModeType
	ExpectationsMet	O		If true, he student met the expectations required by the organization marking attendance to be considered fully present.	xs:boolean
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.7.9-1: StudentPeriodAttendance

JSON


```
{
  "StudentPeriodAttendance": {
    "RefId": "98157AA013BA8C3D00AA012B359D7512",
    "StudentPersonalRefId": "A75A00101A8C301D02E3A05B359D0A00",
    "SchoolInfoRefId": "11737EA4301CADCA75C87214A7C46BDB",
    "Date": "2001-03-05",
    "SectionInfoRefId": "D02E3A05B359DA75A00101A8C3010A00",
    "TimetablePeriod": "P4",
    "AttendanceCode": {
      "AttendanceCodeInfoRefId": "1A0000359D75101A8C3D00AA00A2E35B",
      "value": "042"
    },
    "AuditInfo": {
      "CreationUser": {
        "Type": "School Admin",
        "UserId": "AttendanceKeeper"
      },
      "CreationDateTime": "2006-09-26T13:43:00-07:00"
    }
  }
}
```


XML


```
<StudentPeriodAttendance RefId="98157AA013BA8C3D00AA012B359D7512" StudentPersonalRefId="A75A00101A8C301D02E3A05B359D0A00" SchoolInfoRefId="11737EA4301CA
  <TimetablePeriod>P4</TimetablePeriod>
  <AttendanceCode AttendanceCodeInfoRefId="1A0000359D75101A8C3D00AA00A2E35B">042</AttendanceCode>
  <AuditInfo>
    <CreationUser Type="School Admin">
      <UserId>AttendanceKeeper</UserId>
    </CreationUser>
    <CreationDateTime>2006-09-26T15:43:00-05:00</CreationDateTime>
  </AuditInfo>
</StudentPeriodAttendance>
```


Example 3.7.9-1: StudentPeriodAttendance

3.7.10 StudentSectionMarks

This object contains the marks entered for a student in a class section for a specific marking period.

SIF_Events are reported for this object.

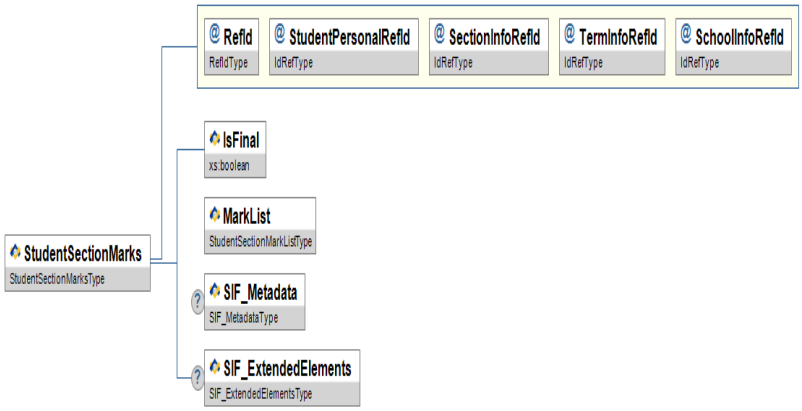


Figure 3.7.10-1: StudentSectionMarks

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSectionMarks			This object contains the marks entered for a student in a class section for a specific marking period.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.	RefIdType
@	StudentPersonalRefId	M		The Id (GUID) that uniquely identifies the StudentPersonal object that this item refers to.	IdRefType
@	SectionInfoRefId	M		The Id (GUID) that uniquely identifies the SectionInfo object that this item refers to.	IdRefType
@	TermInfoRefId	M		The Id (GUID) that identifies the marking period that the following marks are recorded in.	IdRefType
@	SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the School that these Mark Values apply to.	IdRefType
	IsFinal	M		Indicates if the grades are "Final" from the perspective of the teacher or school. Does not mean that change events will not occur for this item.	xs:boolean
	MarkList	M		A list of marks received for this student in this section. For each Mark entry, at least one of the sub-elements must be specified.	StudentSectionMarkListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.7.10-1: StudentSectionMarks

JSON

```
{
  "StudentSectionMarks": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "StudentPersonalRefId": "11737EA4301CADCA75C87214A7C46BDB",
    "SectionInfoRefId": "11737E214A7C46BDBA4301CADCA75C99",
    "TermInfoRefId": "BDBA4301CA1A7C461737DCA75C87E214",
    "SchoolInfoRefId": "11737EA4301CADCA75C87214A7C46BDB",
    "IsFinal": true,
    "MarkList": {
      "Mark": [
        {
          "MarkInfoRefId": "A7C46BDBA4301CA11737E214DCA75C87",
          "Percentage": 88,
          "Letter": "B"
        },
        {
          "MarkInfoRefId": "737E214A7C46BDBA4301CA11DCA75C87",
          "Narrative": "Plays well with others and is willing to share with the one exception being food.  Student is very possessive of his lunch and b
        },
        {
          "MarkInfoRefId": "11737E214A7C46BDBA4301CADCA75E23",
          "Letter": "A9"
        }
      ]
    }
  }
}
```


XML


```
<StudentSectionMarks RefId="359D75101AD0A9D7A8C3DAD0A85103A2" StudentPersonalRefId="11737EA4301CADCA75C87214A7C46BDB" SectionInfoRefId="11737E214A7C46BDB
  <IsFinal>true</IsFinal>
  <MarkList>
    <Mark MarkInfoRefId="A7C46BDBA4301CA11737E214DCA75C87">
      <Percentage>88</Percentage>
      <Letter>B</Letter>
    </Mark>
    <Mark MarkInfoRefId="737E214A7C46BDBA4301CA11DCA75C87">
      <Narrative>Plays well with others and is willing to share with the one exception being food.  Student is very possessive of his lunch and becomes
    </Mark>
    <Mark MarkInfoRefId="11737E214A7C46BDBA4301CADCA75E23">
      <Letter>A9</Letter>
    </Mark>
  </MarkList>
</StudentSectionMarks>
```


Example 3.7.10-1: StudentSectionMarks

3.8 Human Resources & Financials Working Group

The Human Resources & Financials Working Group defines the SIF specifications for human resources and financial application software, focusing solely on defining specifications for the information required by the other SIF application groups from the human resource and financial applications in order to prevent duplicate input of the same data, or to keep applications in sync with data that is primarily maintained in human resource and financial applications.

3.8.1 AccountingPeriod

This object defines an accounting period within a fiscal year.

SIF_Events are reported for this object.

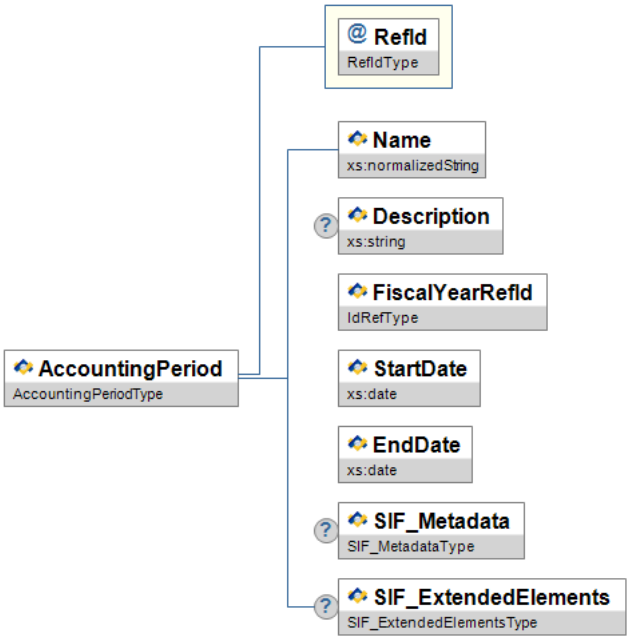


Figure 3.8.1-1: AccountingPeriod

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AccountingPeriod			This object defines an accounting period within a fiscal year.	
@	RefId	M		GUID that identifies this accounting period.	RefIdType
	Name	M		Name of the accounting period.	xs:normalizedString
	Description	O			xs:string
	FiscalYearRefId	M		Fiscal year to which this accounting period belongs.	IdRefType
	StartDate	M		Start date of the accounting period.	xs:date
	EndDate	M		End date of the accounting period.	xs:date
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.1-1: AccountingPeriod

JSON

```
{
  "AccountingPeriod": {
    "RefId": "A08CC23B059C400CAA9F9BBD3DFF94F1",
    "Name": "Quarter 1",
    "Description": "First Qtr",
    "FiscalYearRefId": "AE109F1AC2DE41E49DF5C418F3DF18A3",
    "StartDate": "2003-01-01",
    "EndDate": "2003-03-31"
  }
}
```

XML

```
<AccountingPeriod RefId="A08CC23B059C400CAA9F9BBD3DFF94F1">
  <Name>Quarter 1</Name>
  <Description>First Qtr</Description>
  <FiscalYearRefId>AE109F1AC2DE41E49DF5C418F3DF18A3</FiscalYearRefId>
  <StartDate>2003-01-01</StartDate>
  <EndDate>2003-03-31</EndDate>
</AccountingPeriod>
```

Example 3.8.1-1: AccountingPeriod

3.8.2 Billing

This object contains an amount to be billed to an outside entity.

SIF_Events are reported for this object.

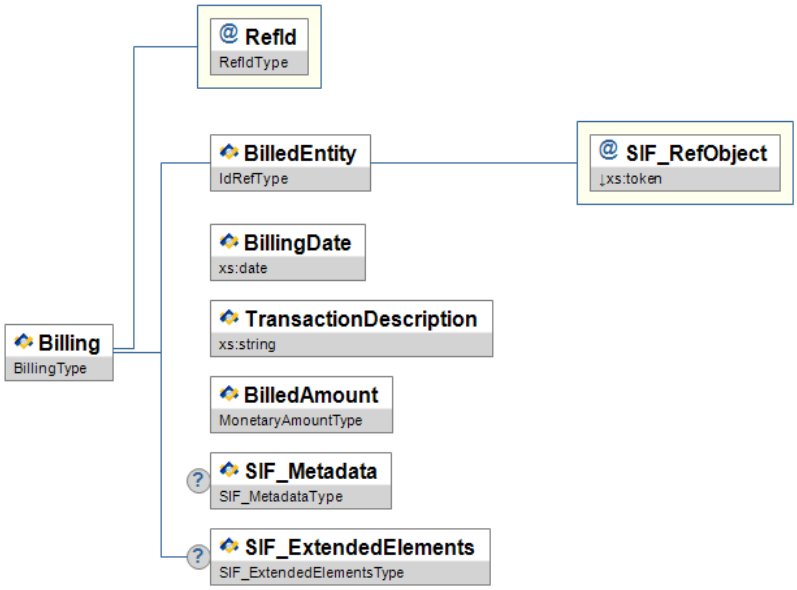


Figure 3.8.2-1: Billing

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Billing			This object contains an amount to be billed to an outside entity.	
@	RefId	M		GUID for this transaction. The application that owns this object is responsible for generating this unique Id.	RefIdType
	BilledEntity	M		Id of the entity being billed for this billing activity (e.g., student, employee, organization).	IdRefType
@	SIF_RefObject	M		SIF object referenced by `BilledEntity`.	values: StudentPersonal StaffPersonal VendorInfo Purchasing
	BillingDate	M		Date of the transaction.	xs:date
	TransactionDescription	M		Description of the transaction.	xs:string
	BilledAmount	M		Amount to be billed.	MonetaryAmountType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.2-1: Billing

JSON

```
{
  "Billing": {
    "RefId": "CA12345847DEA97463FEB238759FD123",
    "BilledEntity": {
      "SIF_RefObject": "StaffPersonal",
      "value": "BA497254965FDA48965ABCE4589EA421"
    },
    "BillingDate": "1999-10-12",
    "TransactionDescription": "Activity Fees",
    "BilledAmount": {
      "Currency": "USD",
      "value": 50.0
    }
  }
}
```

XML

```
<Billing RefId="CA12345847DEA97463FEB238759FD123">
  <BilledEntity SIF_RefObject="StaffPersonal">BA497254965FDA48965ABCE4589EA421</BilledEntity>
  <BillingDate>1999-10-12</BillingDate>
  <TransactionDescription>Activity Fees</TransactionDescription>
  <BilledAmount Currency="USD">50.00</BilledAmount>
</Billing>
```

Example 3.8.2-1: Billing

3.8.3 EmployeeAssignment

This object defines information related to an employee assignment as it pertains to the human resource needed to track employee assignment for employee reporting and financial funding tracking. The staff assignment record will hold more detail of the actual assignment. There are multiple records for each assignment and/or location.

SIF_Events are reported for this object.

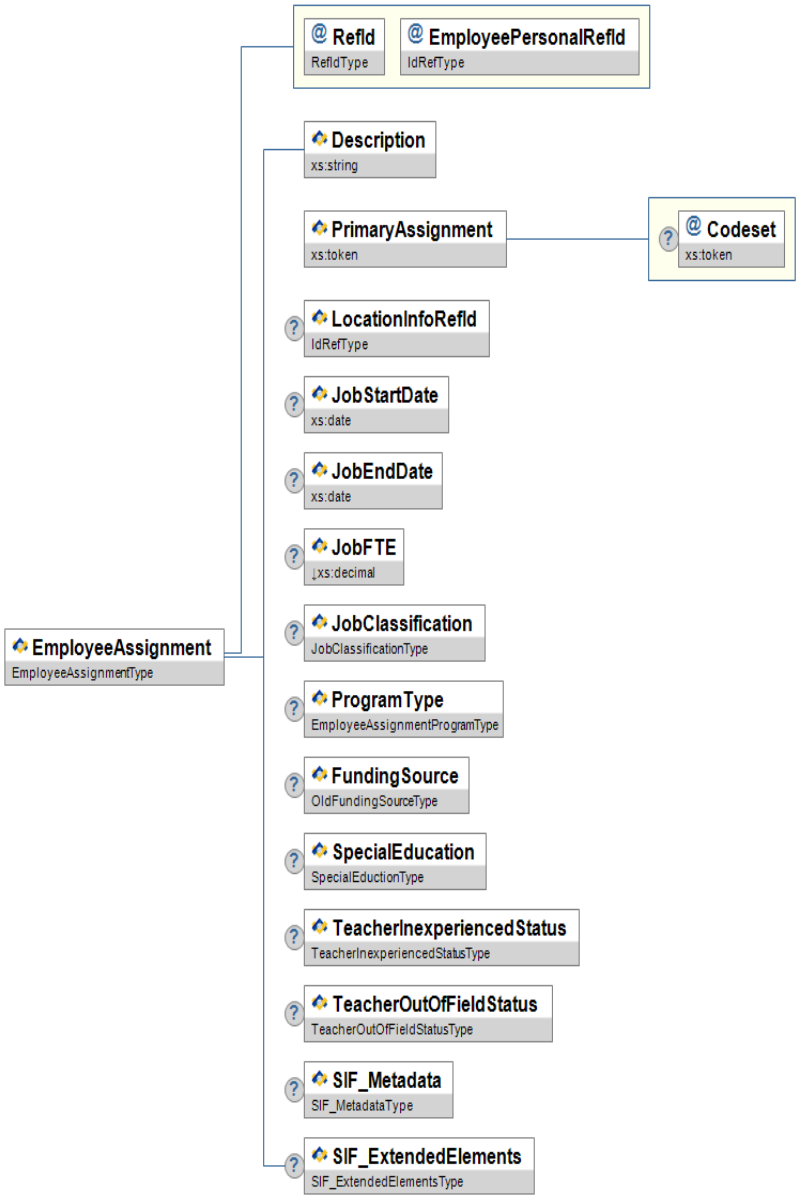


Figure 3.8.3-1: EmployeeAssignment

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeAssignment			This object defines information related to an employee assignment as it pertains to the human resource needed to track employee assignment for employee reporting and financial funding tracking. The staff assignment record will hold more detail of the actual assignment. There are multiple records for each assignment and/or location.	
@	RefId	M		The GUID that uniquely identifies a particular HR staff assignment.	RefIdType
@	EmployeePersonalRefId	M		This GUID referencing the parent EmployeePersonal object	IdRefType
	Description	M		Short assignment description	xs:string
	PrimaryAssignment	M	000525 https://ceds.ed.gov/element/000525	Is this the staff member's primary assignment? There must be one and only one instance of the object with `Yes` in this value per school year.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	LocationInfoRefId	O		This is an optional element so the placement of the employee within the agency can be tracked as needed. The GUID references the LocationInfo object.	IdRefType
	JobStartDate	O	000526 https://ceds.ed.gov/element/000526	This is the date from which the staff assignment is valid (inclusive).	xs:date
	JobEndDate	C	000527 https://ceds.ed.gov/element/000527	This is the date through which the staff assignment is valid (inclusive). Present if the JobStartDate is entered and a JobEndDate is available.	xs:date
	JobFTE	O	000118 https://ceds.ed.gov/element/000118	Full-time job equivalent ratio for this assignment. (Format is x.xx; an employee who is full-time and who spends 50% of their time on this assignment would be represented as 0.50)	xs:decimal xs:minInclusive 0 xs:maxInclusive 1 xs:fractionDigits 2
	JobClassification	O		The specific group of duties or responsibilities of position.	JobClassificationType
	ProgramType	O		The type of instructional or non-instructional program.	EmployeeAssignmentProgramType
	FundingSource	O		Provider of funds for the program or service.	OldFundingSourceType
	SpecialEducation	O		For tracking common special eduction effort.	SpecialEductionType
	TeacherInexperiencedStatus	O	001961 https://ceds.ed.gov/element/001961		TeacherInexperiencedStatusType
	TeacherOutOfFieldStatus	O	001962 https://ceds.ed.gov/element/001962		TeacherOutOfFieldStatusType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.3-1: EmployeeAssignment

JSON

```
{
  "EmployeeAssignment": {
    "RefId": "FE1078BA3261545A31905937B265CE01",
    "EmployeePersonalRefId": "BE1078BA3261545A31905937B265CE02",
    "Description": "First grade elementary teacher",
    "PrimaryAssignment": {
      "value": "Yes"
    },
    "LocationInfoRefId": "FD1078BA3261545A31905937B265CE01",
    "JobStartDate": "2000-09-05",
    "JobEndDate": "2001-06-25",
    "JobFTE": 1.0,
    "JobClassification": {
      "Code": {
        "value": "1000"
      }
    },
    "ProgramType": {
      "Code": {
        "value": "0100"
      }
    },
    "FundingSource": {
      "Code": {
        "value": "0617"
      }
    }
  }
}
```


XML


```
<EmployeeAssignment RefId="FE1078BA3261545A31905937B265CE01" EmployeePersonalRefId="BE1078BA3261545A31905937B265CE02">
  <Description>First grade elementary teacher</Description>
  <PrimaryAssignment>Yes</PrimaryAssignment>
  <LocationInfoRefId>FD1078BA3261545A31905937B265CE01</LocationInfoRefId>
  <JobStartDate>2000-09-05</JobStartDate>
  <JobEndDate>2001-06-25</JobEndDate>
  <JobFTE>1.00</JobFTE>
  <JobClassification>
    <Code>1000</Code>
  </JobClassification>
  <ProgramType>
    <Code>0100</Code>
  </ProgramType>
  <FundingSource>
    <Code>0617</Code>
  </FundingSource>
</EmployeeAssignment>
```


Example 3.8.3-1: EmployeeAssignment

3.8.4 EmployeeContract

This object contains HR contract information related to employees.

SIF_Events are reported for this object.

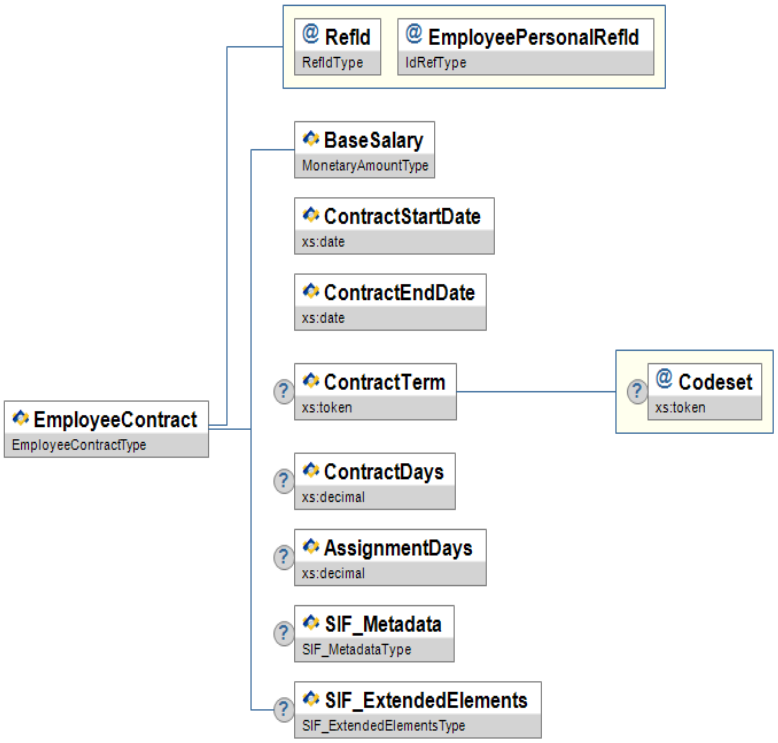


Figure 3.8.4-1: EmployeeContract

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeContract			This object contains HR contract information related to employees.	
@	RefId	M		The GUID of the employee contract information.	RefIdType
@	EmployeePersonalRefId	M		The GUID that refers to the EmployeePersonal object.	IdRefType
	BaseSalary	M	000032 https://ceds.ed.gov/element/000032	Base salary of employee for this contract	MonetaryAmountType
	ContractStartDate	M		Contractual start date.	xs:date
	ContractEndDate	M		Contractual ending date.	xs:date
	ContractTerm	O		Contractual Term in school years	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ContractDays	O		Number of days in service for contract total	xs:decimal
	AssignmentDays	O	000047 https://ceds.ed.gov/element/000047	Number of days per year employee is expected to work in this assignment	xs:decimal
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.4-1: EmployeeContract

JSON

```
{
  "EmployeeContract": {
    "RefId": "AA1078BA3261545A31905937B265CE01",
    "EmployeePersonalRefId": "AB1078BA3261545A31905937B265CE01",
    "BaseSalary": {
      "Currency": "USD",
      "value": 25000
    },
    "ContractStartDate": "2003-07-01",
    "ContractEndDate": "2004-06-30",
    "ContractTerm": {
      "value": "0410"
    },
    "ContractDays": 190,
    "AssignmentDays": 180
  }
}
```

XML

```
<EmployeeContract RefId="AA1078BA3261545A31905937B265CE01" EmployeePersonalRefId="AB1078BA3261545A31905937B265CE01">
  <BaseSalary Currency="USD">25000</BaseSalary>
  <ContractStartDate>2003-07-01</ContractStartDate>
  <ContractEndDate>2004-06-30</ContractEndDate>
  <ContractTerm>0410</ContractTerm>
  <ContractDays>190</ContractDays>
  <AssignmentDays>180</AssignmentDays>
</EmployeeContract>
```

Example 3.8.4-1: EmployeeContract

3.8.5 EmployeePersonal

This object contains basic HR information for employees.

SIF_Events are reported for this object.

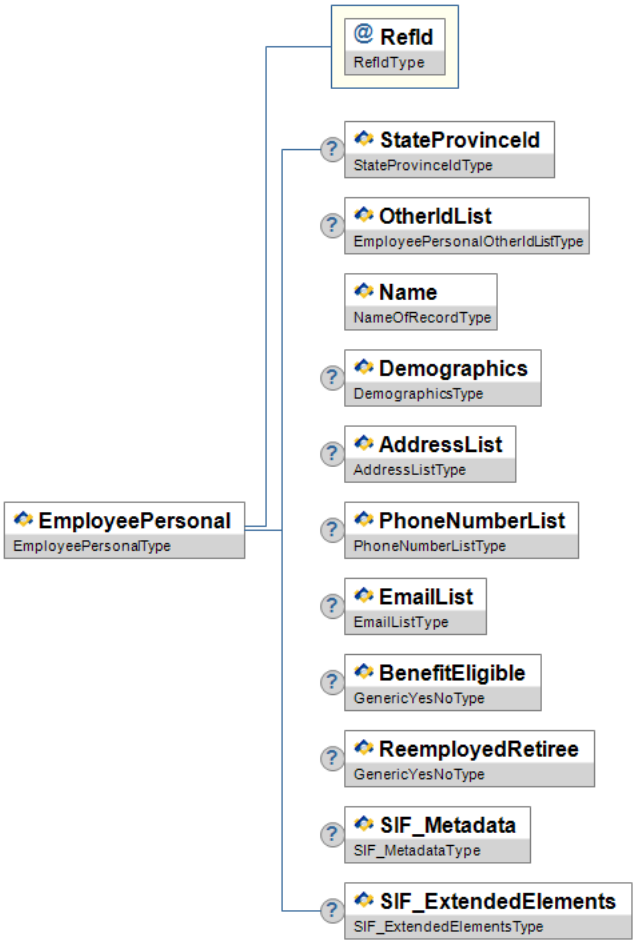


Figure 3.8.5-1: EmployeePersonal

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeePersonal			This object contains basic HR information for employees.	
@	RefId	M		The GUID that uniquely identifies this employee.	RefIdType
	StateProvinceId	O		The state-assigned identifier for this staff member.	StateProvinceIdType
	OtherIdList	O		List all "other" Ids associated with the employee.	EmployeePersonalOtherIdListType
	Name	M		Name of employee.	NameOfRecordType
	Demographics	O		This element contains information related to employee demographics.	DemographicsType
	AddressList	O		The employee's address(es).	AddressListType
	PhoneNumberList	O		The employee's phone number(s).	PhoneNumberListType
	EmailList	O		The employee's e-mail address(es).	EmailListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BenefitEligible	O		Indicator if this employee qualifies for benefits.	GenericYesNoType values: Y Yes N No U Unknown
	ReemployedRetiree	O		Indicates this employee is also retired.	GenericYesNoType values: Y Yes N No U Unknown
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.5-1: EmployeePersonal

JSON


```
{
  "EmployeePersonal": {
    "RefId": "CD590651225DAC3859DEA3458BC39583",
    "OtherIdList": {
      "OtherId": [
        {
          "Type": "SSN",
          "value": "590651225"
        },
        {
          "Type": "Other",
          "value": "3333"
        }
      ]
    },
    "Name": {
      "Type": "04",
      "LastName": "Stone",
      "FirstName": "Alicia"
    },
    "Demographics": {
      "Gender": {
        "value": "F"
      }
    },
    "AddressList": {
      "Address": [
        {
          "Type": "0123",
          "Street": {
            "Line1": "600 Royal Oak"
          },
          "City": "Chicago",
          "StateProvince": {
            "value": "IL"
          },
          "Country": {
            "value": "US"
          },
          "PostalCode": "60601"
        }
      ]
    },
    "PhoneNumberList": {
      "PhoneNumber": [
        {
          "Type": "0096",
          "Number": "(312) 555-1234"
        }
      ]
    },
    "EmailList": {
      "Email": [
        {
          "Type": "Primary",
          "value": "stone@royaloak.org"
        }
      ]
    }
  }
}
```


XML

```
<EmployeePersonal RefId="CD590651225DAC3859DEA3458BC39583">
  <OtherIdList>
    <OtherId Type="SSN">590651225</OtherId>
    <OtherId Type="Other">3333</OtherId>
  </OtherIdList>
  <Name Type="04">
    <LastName>Stone</LastName>
    <FirstName>Alicia</FirstName>
  </Name>
  <Demographics>
    <Gender>F</Gender>
  </Demographics>
  <AddressList>
    <Address Type="0123">
      <Street>
        <Line1>600 Royal Oak</Line1>
      </Street>
      <City>Chicago</City>
      <StateProvince>IL</StateProvince>
      <Country>US</Country>
      <PostalCode>60601</PostalCode>
    </Address>
  </AddressList>
  <PhoneNumberList>
    <PhoneNumber Type="0096">
      <Number>(312) 555-1234</Number>
    </PhoneNumber>
  </PhoneNumberList>
  <EmailList>
    <Email Type="Primary">stone@royaloak.org</Email>
  </EmailList>
</EmployeePersonal>
```

Example 3.8.5-1: EmployeePersonal

3.8.6 EmployeePicture

This object contains information about an employee's picture.

SIF_Events are reported for this object.

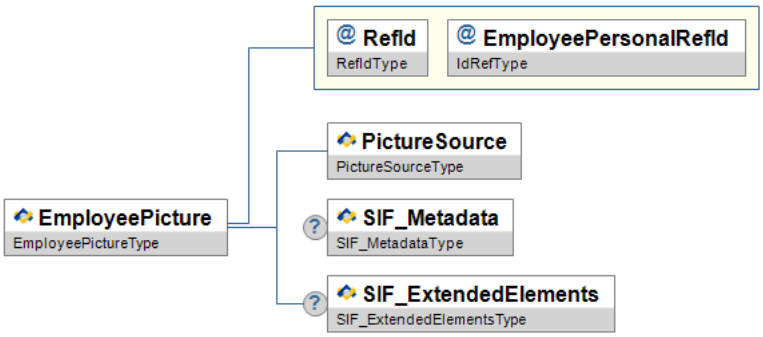


Figure 3.8.6-1: EmployeePicture

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeePicture			This object contains information about an employee's picture.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.	RefIdType
@	EmployeePersonalRefId	M		This is the GUID of the Employee whose picture this is.	IdRefType
	PictureSource	M		This element defines the picture. If the Type attribute is URL, this is the location of the picture in [JPEG] format; if Type is JPEG, this is the [JPEG] image data encoded using the Base64 Content-Transfer-Encoding defined in Section 6.8 of [RFC 2045].	PictureSourceType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.6-1: EmployeePicture

JSON

```
{
  "EmployeePicture": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "EmployeePersonalRefId": "D3E34B359D75101A8C3D00AA001A1652",
    "PictureSource": {
      "Type": "URL",
      "value": "http://www.schoolsite.com/pictures/1999/1234.jpg"
    }
  }
}
```


XML


```
<EmployeePicture RefId="359D75101AD0A9D7A8C3DAD0A85103A2" EmployeePersonalRefId="D3E34B359D75101A8C3D00AA001A1652">
  <PictureSource Type="URL">http://www.schoolsite.com/pictures/1999/1234.jpg</PictureSource>
</EmployeePicture>
```


Example 3.8.6-1: EmployeePicture

3.8.7 EmployeeWage

This object contains HR/payroll employee information used to define how to pay an employee per pay cycle.

SIF_Events are reported for this object.

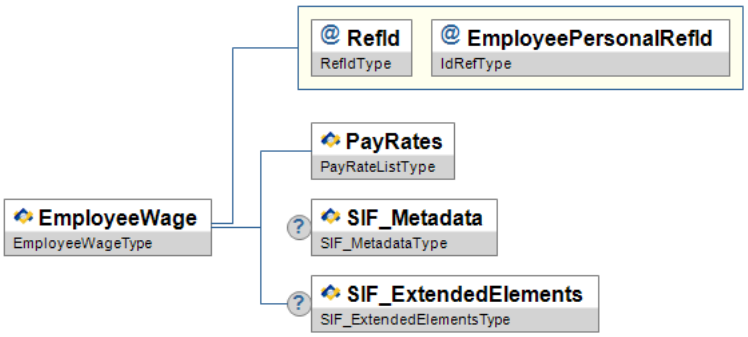


Figure 3.8.7-1: EmployeeWage

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeWage			This object contains HR/payroll employee information used to define how to pay an employee per pay cycle.	
@	RefId	M		The GUID of the employee's pay information.	RefIdType
@	EmployeePersonalRefId	M		The GUID that refers to the EmployeePersonal object.	IdRefType
	PayRates	M			PayRateListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.7-1: EmployeeWage

JSON


```
{
  "EmployeeWage": {
    "RefId": "CDF90651225DAC3859D2A3458BC39583",
    "EmployeePersonalRefId": "CD490651225DAC3859DEA3458BC39522",
    "PayRates": {
      "PayRate": [
        {
          "Type": "P",
          "Amount": {
            "Currency": "USD",
            "value": 355.45
          },
          "Percentage": 100
        }
      ]
    }
  }
}
```

XML

```
<EmployeeWage RefId="CDF90651225DAC3859D2A3458BC39583" EmployeePersonalRefId="CD490651225DAC3859DEA3458BC39522">
  <PayRates>
    <PayRate Type="P">
      <Amount Currency="USD">355.45</Amount>
      <Percentage>100</Percentage>
    </PayRate>
  </PayRates>
</EmployeeWage>
```

Example 3.8.7-1: EmployeeWage

3.8.8 EmploymentRecord

This object contains a snapshot (view) of employment information for an employee.

SIF_Events are reported for this object.

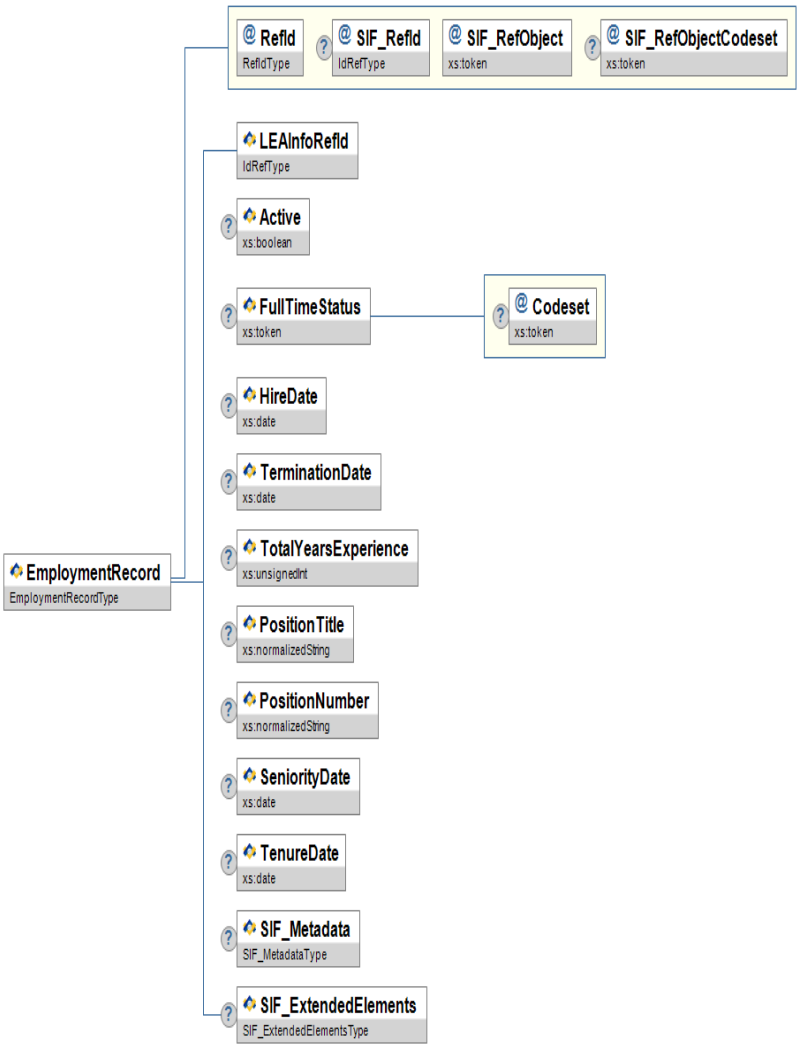


Figure 3.8.8-1: EmploymentRecord

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmploymentRecord			This object contains a snapshot (view) of employment information for an employee.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.	RefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	SIF_RefId	O		The GUID can either refer to the EmployeePersonal or StaffPersonal object.	IdRefType
@	SIF_RefObject	M			xs:token
@	SIF_RefObjectCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	LEAInfoRefId	M		The GUID reference to the LEAInfo object representing the LEA that employs the staff member.	IdRefType
	Active	O	000347 https://ceds.ed.gov/element/000347	Staff is currently active and/or employed.	xs:boolean
	FullTimeStatus	O		Full-time status of employee.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	HireDate	O		Date the employee was hired.	xs:date
	TerminationDate	C		Date the employee resigned. Present if a HireDate is entered and a TerminationDate is available.	xs:date
	TotalYearsExperience	O	000302 https://ceds.ed.gov/element/000302	Total number of years of prior experience.	xs:unsignedInt
	PositionTitle	O	000213 https://ceds.ed.gov/element/000213	Employee's current position title.	xs:normalizedString
	PositionNumber	O		Employee's level or category assigned by employer.	xs:normalizedString
	SeniorityDate	O		Date employee has seniority.	xs:date
	TenureDate	O		Date employee is tenured.	xs:date
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.8-1: EmploymentRecord

JSON


```
{
 "EmploymentRecord": {
   "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
   "SIF_RefObject": "EmployeePersonal",
   "SIF_RefId": "CDF90651225DAC3859DEA3458BC39522",
   "LEAInfoRefId": "8545A0A6E5CC40CB9B5C07C9E0696725",
   "Active": true,
   "FullTimeStatus": {
     "value": "0843"
   },
   "HireDate": "2003-03-20",
   "TotalYearsExperience": 20,
   "PositionTitle": "Elementary Teacher Grade 3",
   "PositionNumber": "12",
   "SeniorityDate": "2003-07-01",
   "TenureDate": "2003-07-01"
 }
}
```


XML

```
<EmploymentRecord RefId="359D75101AD0A9D7A8C3DAD0A85103A2" SIF_RefObject="EmployeePersonal" SIF_RefId="CDF90651225DAC3859DEA3458BC39522">
  <LEAInfoRefId>8545A0A6E5CC40CB9B5C07C9E0696725</LEAInfoRefId>
  <Active>true</Active>
  <FullTimeStatus>0843</FullTimeStatus>
  <HireDate>2003-03-20</HireDate>
  <TotalYearsExperience>20</TotalYearsExperience>
  <PositionTitle>Elementary Teacher Grade 3</PositionTitle>
  <PositionNumber>12</PositionNumber>
  <SeniorityDate>2003-07-01</SeniorityDate>
  <TenureDate>2003-07-01</TenureDate>
</EmploymentRecord>
```

Example 3.8.8-1: EmploymentRecord

3.8.9 FinancialAccount

This object communicates information about a financial account.

SIF_Events are reported for this object.

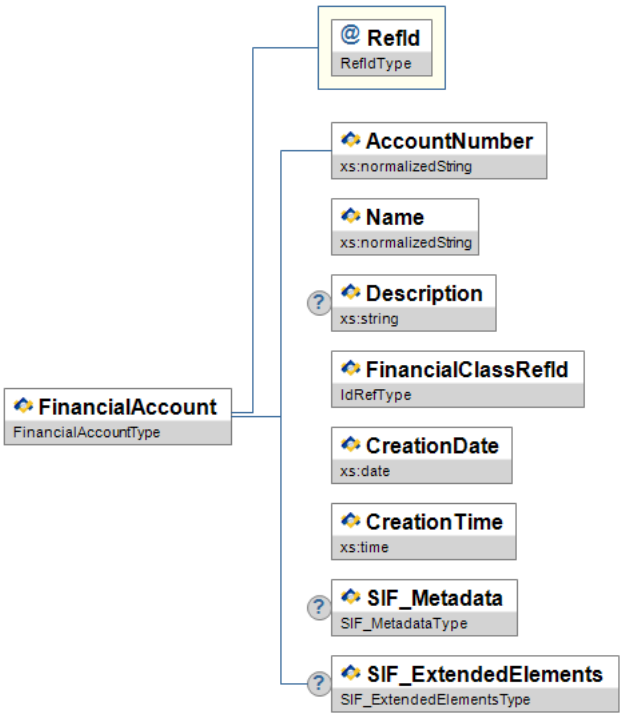


Figure 3.8.9-1: FinancialAccount

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FinancialAccount			This object communicates information about a financial account.	
@	RefId	M		GUID that identifies this financial account.	RefIdType
	AccountNumber	M		Account number used for ledger.	xs:normalizedString
	Name	M		Name of the account.	xs:normalizedString
	Description	O		Description.	xs:string
	FinancialClassRefId	M		Financial class of the account.	IdRefType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CreationDate	M		Account creation date.	xs:date
	CreationTime	M		Account creation time.	xs:time
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.9-1: FinancialAccount

JSON

```
{
  "FinancialAccount": {
    "RefId": "EEC8FC128D2C4EE394A86C5395024EDE",
    "AccountNumber": "9990001",
    "Name": "Purchased Foods",
    "Description": "Purchased Foods",
    "FinancialClassRefId": "C6576B6AF13F49E09F0B6B0A92BF5D3B",
    "CreationDate": "2003-01-01",
    "CreationTime": "04:32:23-08:00"
  }
}
```

XML

```
<FinancialAccount RefId="EEC8FC128D2C4EE394A86C5395024EDE">
  <AccountNumber>9990001</AccountNumber>
  <Name>Purchased Foods</Name>
  <Description>Purchased Foods</Description>
  <FinancialClassRefId>C6576B6AF13F49E09F0B6B0A92BF5D3B</FinancialClassRefId>
  <CreationDate>2003-01-01</CreationDate>
  <CreationTime>04:32:23-08:00</CreationTime>
</FinancialAccount>
```

Example 3.8.9-1: FinancialAccount

3.8.10 FinancialAccountAccountingPeriodLocationInfo

This object relates financial account to an accounting period and a location.

SIF_Events are reported for this object.

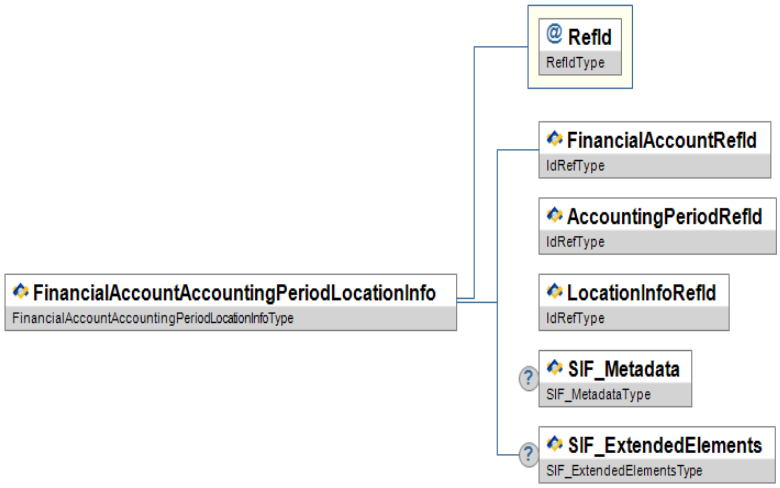


Figure 3.8.10-1: FinancialAccountAccountingPeriodLocationInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FinancialAccountAccountingPeriodLocationInfo			This object relates financial account to an accounting period and a location.	
@	RefId	M		GUID that identifies this object.	RefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FinancialAccountRefId	M		Financial account reference.	IdRefType
	AccountingPeriodRefId	M		Accounting period reference.	IdRefType
	LocationInfoRefId	M		LocationInfo reference.	IdRefType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.10-1: FinancialAccountAccountingPeriodLocationInfo

JSON

```
{
  "FinancialAccountAccountingPeriodLocationInfo": {
    "RefId": "B595A5959A8FE43448DF0EF5C635CD0E",
    "FinancialAccountRefId": "C6576B6AF13F49E09F0B6B0A92BF5D3B",
    "AccountingPeriodRefId": "BA03EDF66F2848D7BE32586D98170F29",
    "LocationInfoRefId": "E72C08BD41894187BA07B00C1401BE3F"
  }
}
```

XML

```
<FinancialAccountAccountingPeriodLocationInfo RefId="B595A5959A8FE43448DF0EF5C635CD0E">
  <FinancialAccountRefId>C6576B6AF13F49E09F0B6B0A92BF5D3B</FinancialAccountRefId>
  <AccountingPeriodRefId>BA03EDF66F2848D7BE32586D98170F29</AccountingPeriodRefId>
  <LocationInfoRefId>E72C08BD41894187BA07B00C1401BE3F</LocationInfoRefId>
</FinancialAccountAccountingPeriodLocationInfo>
```

Example 3.8.10-1: FinancialAccountAccountingPeriodLocationInfo

3.8.11 FinancialAnnual

This object contains information about account code annual financial totals, summarized by major and/or minor account code breaks.

SIF_Events are not reported for this object.

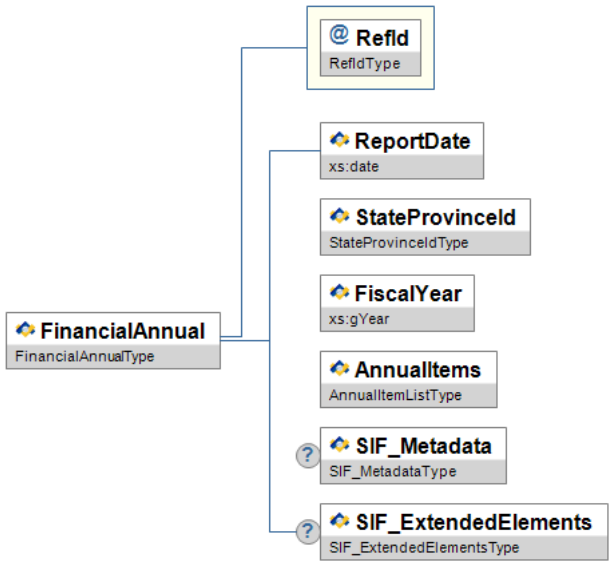


Figure 3.8.11-1: FinancialAnnual

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FinancialAnnual			This object contains information about account code annual financial totals, summarized by major and/or minor account code breaks.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	RefId	M		A GUID that identifies an instance of this object. This RefId is a “transient” value; that is, it SHOULD be generated by the provider at the time the object is provided in a Response message. This value MUST NOT be used in a later Request for the object.	RefIdType
	ReportDate	M		Date on which snapshot was generated.	xs:date
	StateProvinceId	M		State assigned reporting Id for district or agency	StateProvinceIdType
	FiscalYear	M		Fiscal year of summary account (e.g. the 2003-2004 fiscal year will be denoted as 2004)	xs:gYear
	AnnualItems	M			AnnualItemListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.11-1: FinancialAnnual

JSON

```
{
  "FinancialAnnual": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "ReportDate": "2011-07-31",
    "StateProvinceId": "1234",
    "FiscalYear": "2012",
    "AnnualItems": {
      "AnnualItem": [
        {
          "AccountType": {
            "value": "Expenditure"
          },
          "FundType": {
            "value": "General"
          },
          "FundClassificationCode": "10 ",
          "StateProvinceId": "0018",
          "Function": "1100",
          "Object": "610",
          "InstructionalProgram": "210",
          "Amount": 732.56,
          "InstructionalLevel": "1000 ",
          "OperationalUnit": "102",
          "ProjectCode": "3204",
          "SubjectMatter": "234 ",
          "JobClassification": "1234"
        },
        {
          "AccountType": {
            "value": "Revenue"
          },
          "FundType": {
            "value": "General"
          },
          "FundClassificationCode": "10 ",
          "StateProvinceId": "7110",
          "Function": "1100",
          "InstructionalProgram": "100",
          "Amount": 732.56,
          "InstructionalLevel": "1200 ",
          "OperationalUnit": "500",
          "ProjectCode": "4501",
          "Source": "4501"
        },
        {
          "AccountType": {
            "value": "Other"
          },
          "AccountTypeDetail": {
            "value": "Current Asset"
          },
          "FundType": {
            "value": "General"
          },
          "FundClassificationCode": "10",
          "StateProvinceId": "1917 ",
          "Function": "1100",
          "InstructionalProgram": "100",
          "Amount": 732.56,
          "InstructionalLevel": " 1100",
          "OperationalUnit": "",
          "ProjectCode": "4501",
          "Source": "4501",
          "ChartOfAccountCode": "101 "
        },
        {
          "AccountType": {
            "value": "Expenditure"
          },
          "FundType": {
            "value": "General"
          },
          "FundClassificationCode": "26",
          "StateProvinceId": "9201 ",
          "ExpenditureArea": {
            "value": "Elementary"
          },
          "Function": "1100",
          "Object": "610",
          "InstructionalProgram": "100",
          "Amount": 732.56,
          "InstructionalLevel": "1100",
          "OperationalUnit": "126",
          "ProjectCode": "4501",
          "Source": "4501",
          "SpecialAmountType": {
            "value": "1"
          },
          "GLAmountType": {
            "value": "1"
          }
        }
      ]
    }
  }
}
```


XML

```
<FinancialAnnual RefId="359D75101AD0A9D7A8C3DAD0A85103A2">
  <ReportDate>2011-07-31</ReportDate>
  <StateProvinceId>1234</StateProvinceId>
  <FiscalYear>2012</FiscalYear>
  <AnnualItems>
    <AnnualItem>
      <!-- item 1 -->
      <AccountType>Expenditure</AccountType>
      <FundType>General</FundType>
      <FundClassificationCode>10 </FundClassificationCode>
      <StateProvinceId>0018</StateProvinceId>
      <Function>1100</Function>
      <Object>610</Object>
      <InstructionalProgram>210</InstructionalProgram>
      <Amount>732.56</Amount>
      <InstructionalLevel>1000 </InstructionalLevel>
      <OperationalUnit>102</OperationalUnit>
      <ProjectCode>3204</ProjectCode>
      <SubjectMatter>234 </SubjectMatter>
      <JobClassification>1234</JobClassification>
    </AnnualItem>
    <AnnualItem>
      <!-- item 2 -->
      <AccountType>Revenue</AccountType>
      <FundType>General</FundType>
      <FundClassificationCode>10 </FundClassificationCode>
      <StateProvinceId>7110</StateProvinceId>
      <Function>1100</Function>
      <InstructionalProgram>100</InstructionalProgram>
      <Amount>732.56</Amount>
      <InstructionalLevel>1200 </InstructionalLevel>
      <OperationalUnit>500</OperationalUnit>
      <ProjectCode>4501</ProjectCode>
      <Source>4501</Source>
    </AnnualItem>
    <AnnualItem>
      <!-- item 3 -->
      <AccountType>Other</AccountType>
      <AccountTypeDetail>Current Asset</AccountTypeDetail>
      <FundType>General</FundType>
      <FundClassificationCode>10</FundClassificationCode>
      <StateProvinceId>1917 </StateProvinceId>
      <Function>1100</Function>
      <InstructionalProgram>100</InstructionalProgram>
      <Amount>732.56</Amount>
      <InstructionalLevel> 1100</InstructionalLevel>
      <OperationalUnit />
      <ProjectCode>4501</ProjectCode>
      <Source>4501</Source>
      <ChartOfAccountCode>101 </ChartOfAccountCode>
    </AnnualItem>
    <AnnualItem>
      <!-- item 4 -->
      <AccountType>Expenditure</AccountType>
      <FundType>General</FundType>
      <FundClassificationCode>26</FundClassificationCode>
      <StateProvinceId>9201 </StateProvinceId>
      <ExpenditureArea>Elementary</ExpenditureArea>
      <Function>1100</Function>
      <Object>610</Object>
      <InstructionalProgram>100</InstructionalProgram>
      <Amount>732.56</Amount>
      <InstructionalLevel>1100</InstructionalLevel>
      <OperationalUnit>126</OperationalUnit>
      <ProjectCode>4501</ProjectCode>
      <Source>4501</Source>
      <SpecialAmountType>1</SpecialAmountType>
      <GLAmountType>1</GLAmountType>
    </AnnualItem>
  </AnnualItems>
</FinancialAnnual>
```

Example 3.8.11-1: FinancialAnnual

3.8.12 FinancialBudget

This object contains information about account code budget totals, summarized by major and/or minor account code breaks. It is a snapshot object used to allow a district to report summarized financial budgetary information to their state as required.

SIF_Events are not reported for this object.

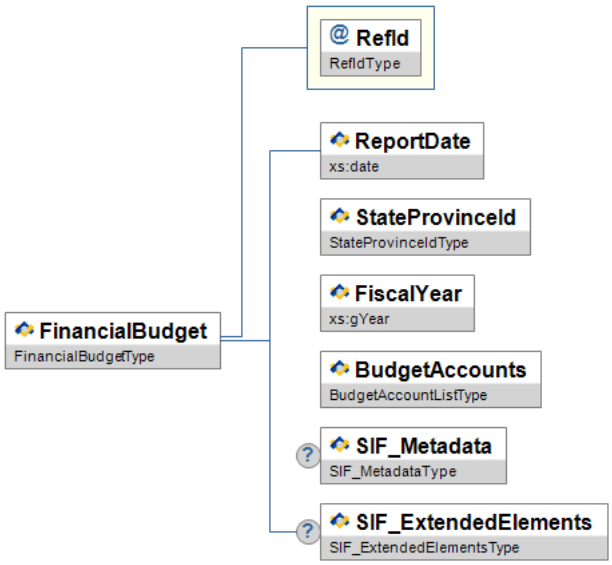


Figure 3.8.12-1: FinancialBudget

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FinancialBudget			This object contains information about account code budget totals, summarized by major and/or minor account code breaks. It is a snapshot object used to allow a district to report summarized financial budgetary information to their state as required.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is a “transient” value; that is, it SHOULD be generated by the provider at the time the object is provided in a Response message. This value MUST NOT be used in a later Request for the object.	RefIdType
	ReportDate	M		Date on which snapshot was generated.	xs:date
	StateProvinceId	M		State-assigned identifier for this location	StateProvinceIdType
	FiscalYear	M		Fiscal Year of summary account (e.g. the 2003-2004 fiscal year will be denoted as 2004)	xs:gYear
	BudgetAccounts	M		Information about budget accounts being submitted.	BudgetAccountListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.12-1: FinancialBudget

JSON

```
{
  "FinancialBudget": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "ReportDate": "2003-07-02",
    "StateProvinceId": "123456789",
    "FiscalYear": "2004",
    "BudgetAccounts": {
      "BudgetAccount": [
        {
          "AccountClass": {
            "value": "Expenditure"
          },
          "FundBreakdown": "10",
          "FunctionBreakdown": "1100",
          "ObjectBreakdown": "610",
          "BudgetAmount": 402234
        },
        {
          "AccountClass": {
            "value": "Expenditure"
          },
          "FundBreakdown": "10",
          "FunctionBreakdown": "1200",
          "ObjectBreakdown": "610",
          "BudgetAmount": 56000
        }
      ]
    }
  }
}
```


XML


```
<FinancialBudget RefId="359D75101AD0A9D7A8C3DAD0A85103A2">
  <ReportDate>2003-07-02</ReportDate>
  <StateProvinceId>123456789</StateProvinceId>
  <FiscalYear>2004</FiscalYear>
  <BudgetAccounts>
    <BudgetAccount>
      <AccountClass>Expenditure</AccountClass>
      <FundBreakdown>10</FundBreakdown>
      <FunctionBreakdown>1100</FunctionBreakdown>
      <ObjectBreakdown>610</ObjectBreakdown>
      <BudgetAmount>402234</BudgetAmount>
    </BudgetAccount>
    <BudgetAccount>
      <AccountClass>Expenditure</AccountClass>
      <FundBreakdown>10</FundBreakdown>
      <FunctionBreakdown>1200</FunctionBreakdown>
      <ObjectBreakdown>610</ObjectBreakdown>
      <BudgetAmount>56000</BudgetAmount>
    </BudgetAccount>
  </BudgetAccounts>
</FinancialBudget>
```


Example 3.8.12-1: FinancialBudget

3.8.13 FinancialClass

This object communicates financial class information. Financial classes are used to categorize financial accounts.

SIF_Events are reported for this object.

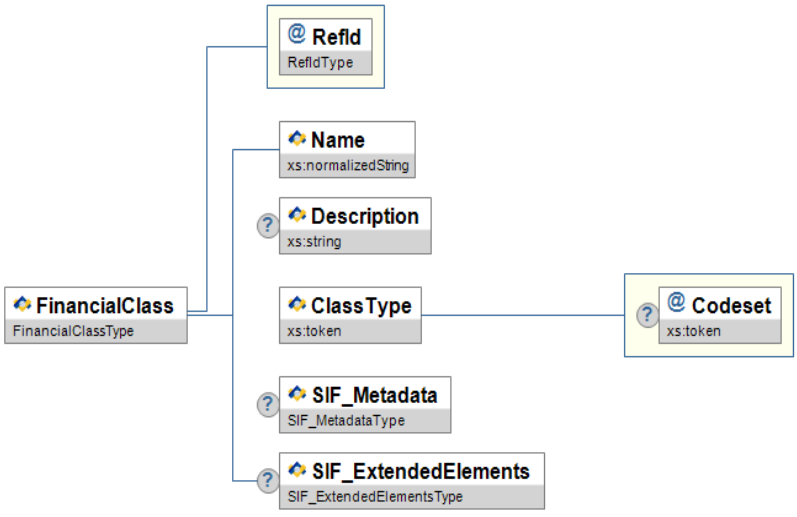


Figure 3.8.13-1: FinancialClass

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FinancialClass			This object communicates financial class information. Financial classes are used to categorize financial accounts.	
@	RefId	M		GUID that identifies this financial class.	RefIdType
	Name	M		Name of the financial class.	xs:normalizedString
	Description	O		Description.	xs:string
	ClassType	M			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.13-1: FinancialClass

JSON

```
{
  "FinancialClass": {
    "RefId": "EEC8FC128D2C4EE394A86C5395024EDE",
    "Name": "Asset",
    "Description": "Assets",
    "ClassType": {
      "value": "Asset"
    }
  }
}
```

XML

```
<FinancialClass RefId="EEC8FC128D2C4EE394A86C5395024EDE">
  <Name>Asset</Name>
  <Description>Assets</Description>
  <ClassType>Asset</ClassType>
</FinancialClass>
```

Example 3.8.13-1: FinancialClass

3.8.14 FinancialIncomeStatement

This object communicates the income statement details for a location and an accounting period.

SIF_Events are reported for this object.

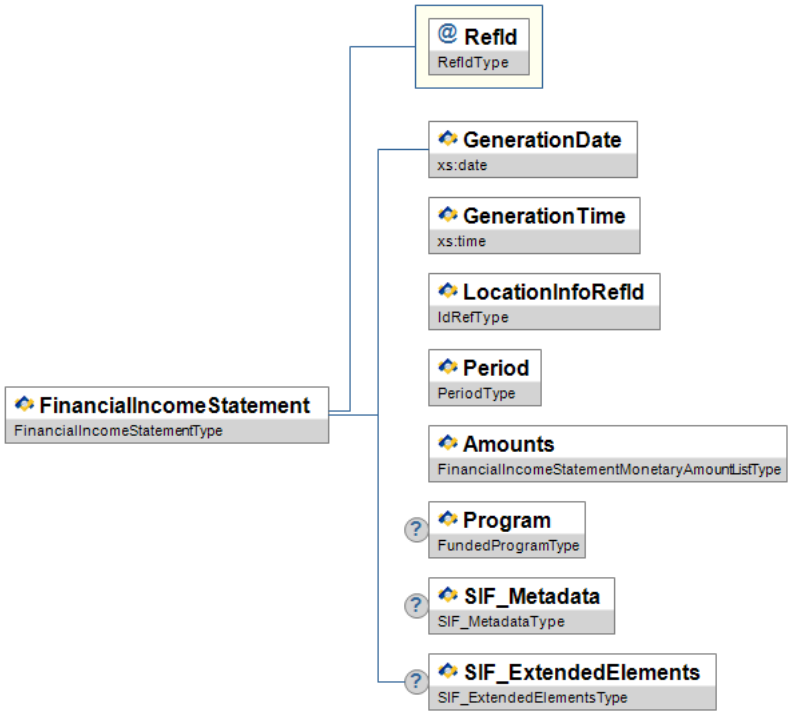


Figure 3.8.14-1: FinancialIncomeStatement

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FinancialIncomeStatement			This object communicates the income statement details for a location and an accounting period.	
@ 🔑	RefId	M		GUID that identifies this income statement.	RefIdType
	GenerationDate	M		Generation date.	xs:date
	GenerationTime	M		Generation time.	xs:time
	LocationInfoRefId	M		LocationInfo reference.	IdRefType
	Period	M		Period of the income statement.	PeriodType
	Amounts	M		Amount in the account.	FinancialIncomeStatementMonetaryAmountListType
	Program	O			FundedProgramType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.14-1: FinancialIncomeStatement

JSON

```
{
  "FinancialIncomeStatement": {
    "RefId": "E72C08BD41894187BA07B00C1401BE3F",
    "GenerationDate": "2003-12-31",
    "GenerationTime": "04:32:23-08:00",
    "LocationInfoRefId": "FAE352080CC74A3DA815E82FB96F5E15",
    "Period": {
      "StartDate": "2003-01-01",
      "EndDate": "2003-03-31"
    },
    "Amounts": {
      "Amount": [
        {
          "FinancialAccountAccountingPeriodLocationInfoRefId": "B595A5959A8F43448DF0F5C635CD0E1D",
          "FinancialClassRefId": "7582E711FDEE468686CBE623A7C31743",
          "Currency": "USD",
          "value": 99999999.99
        },
        {
          "FinancialAccountAccountingPeriodLocationInfoRefId": "DE0E6B3C73F6413AA9C1EFCCA57B356B",
          "FinancialClassRefId": "7582E711FDEE468686CBE623A7C31743",
          "Currency": "USD",
          "value": 99999999.99
        }
      ]
    },
    "Program": {
      "Type": "Foodservice",
      "value": "NSLP"
    }
  }
}
```


XML


```
<FinancialIncomeStatement RefId="E72C08BD41894187BA07B00C1401BE3F">
  <GenerationDate>2003-12-31</GenerationDate>
  <GenerationTime>04:32:23-08:00</GenerationTime>
  <LocationInfoRefId>FAE352080CC74A3DA815E82FB96F5E15</LocationInfoRefId>
  <Period>
    <StartDate>2003-01-01</StartDate>
    <EndDate>2003-03-31</EndDate>
  </Period>
  <Amounts>
    <Amount FinancialAccountAccountingPeriodLocationInfoRefId="B595A5959A8F43448DF0F5C635CD0E1D" FinancialClassRefId="7582E711FDEE468686CBE623A7C31743" (
    <Amount FinancialAccountAccountingPeriodLocationInfoRefId="DE0E6B3C73F6413AA9C1EFCCA57B356B" FinancialClassRefId="7582E711FDEE468686CBE623A7C31743" (
  </Amounts>
  <Program Type="Foodservice">NSLP</Program>
</FinancialIncomeStatement>
```


Example 3.8.14-1: FinancialIncomeStatement

3.8.15 FinancialTransaction

This object communicates a financial transaction. A transaction can be for the daily food sales revenue account.

SIF_Events are reported for this object.

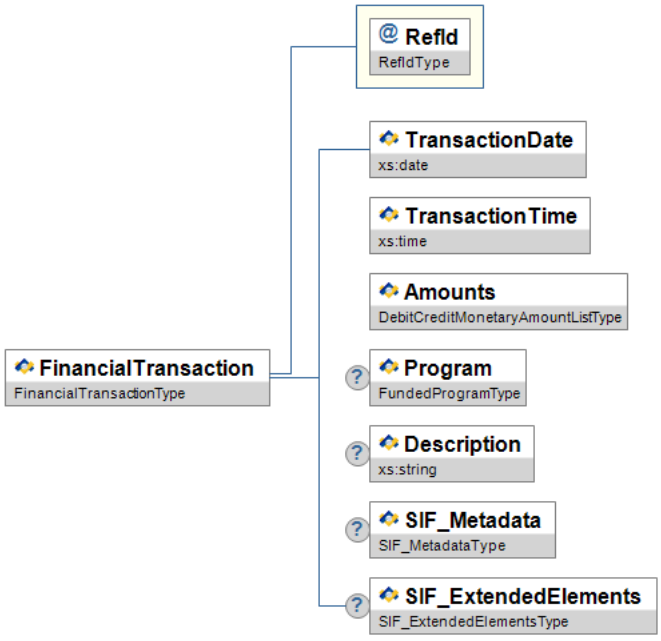


Figure 3.8.15-1: FinancialTransaction

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FinancialTransaction			This object communicates a financial transaction. A transaction can be for the daily food sales revenue account.	
@	RefId	M		GUID that identifies this financial transaction.	RefIdType
	TransactionDate	M		Transaction date.	xs:date
	TransactionTime	M		Transaction time.	xs:time
	Amounts	M		Monetary amount of the transaction.	DebitCreditMonetaryAmountListType
	Program	O			FundedProgramType
	Description	O			xs:string
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.15-1: FinancialTransaction

JSON

```
{
  "FinancialTransaction": {
    "RefId": "E72C08BD41894187BA07B00C1401BE3F",
    "TransactionDate": "2003-01-01",
    "TransactionTime": "04:32:23-08:00",
    "Amounts": {
      "Amount": [
        {
          "FinancialAccountAccountingPeriodLocationInfoRefId": "B595A5959A8F43448DF0F5C635CD0E1D",
          "Type": "Debit",
          "Currency": "USD",
          "value": 99999.99
        },
        {
          "FinancialAccountAccountingPeriodLocationInfoRefId": "AFC675959A8F43448DF036C5F5CD0DE1",
          "Type": "Credit",
          "Currency": "USD",
          "value": 99999.99
        }
      ]
    },
    "Program": {
      "Type": "Foodservice",
      "value": "NSLP"
    }
  }
}
```

XML

```
<FinancialTransaction RefId="E72C08BD41894187BA07B00C1401BE3F">
  <TransactionDate>2003-01-01</TransactionDate>
  <TransactionTime>04:32:23-08:00</TransactionTime>
  <Amounts>
    <Amount FinancialAccountAccountingPeriodLocationInfoRefId="B595A5959A8F43448DF0F5C635CD0E1D" Type="Debit" Currency="USD">99999.99</Amount>
    <Amount FinancialAccountAccountingPeriodLocationInfoRefId="AFC675959A8F43448DF036C5F5CD0DE1" Type="Credit" Currency="USD">99999.99</Amount>
  </Amounts>
  <Program Type="Foodservice">NSLP</Program>
</FinancialTransaction>
```

Example 3.8.15-1: FinancialTransaction

3.8.16 FiscalYear

This object defines a fiscal year.

SIF_Events are reported for this object.

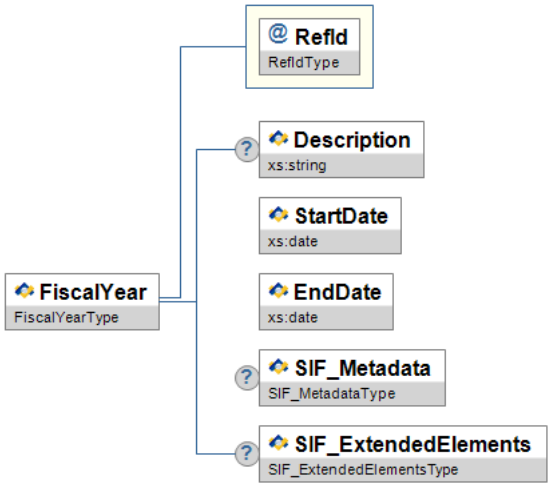


Figure 3.8.16-1: FiscalYear

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FiscalYear			This object defines a fiscal year.	
@	RefId	M		GUID that identifies this object.	RefIdType
	Description	O		A description of the fiscal year.	xs:string
	StartDate	M		Start date of the fiscal year.	xs:date
	EndDate	M		End date of the fiscal year.	xs:date
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.16-1: FiscalYear

JSON

```
{
  "FiscalYear": {
    "RefId": "C0C65853B3B4440AED4E575C7BF9DCD2",
    "Description": "Fiscal Year 2003",
    "StartDate": "2003-01-01",
    "EndDate": "2003-12-31"
  }
}
```

XML

```
<FiscalYear RefId="C0C65853B3B4440AED4E575C7BF9DCD2">
  <Description>Fiscal Year 2003</Description>
  <StartDate>2003-01-01</StartDate>
  <EndDate>2003-12-31</EndDate>
</FiscalYear>
```

Example 3.8.16-1: FiscalYear

3.8.17 LocationInfo

LocationInfo represents a location in a district.

SIF_Events are reported for this object.

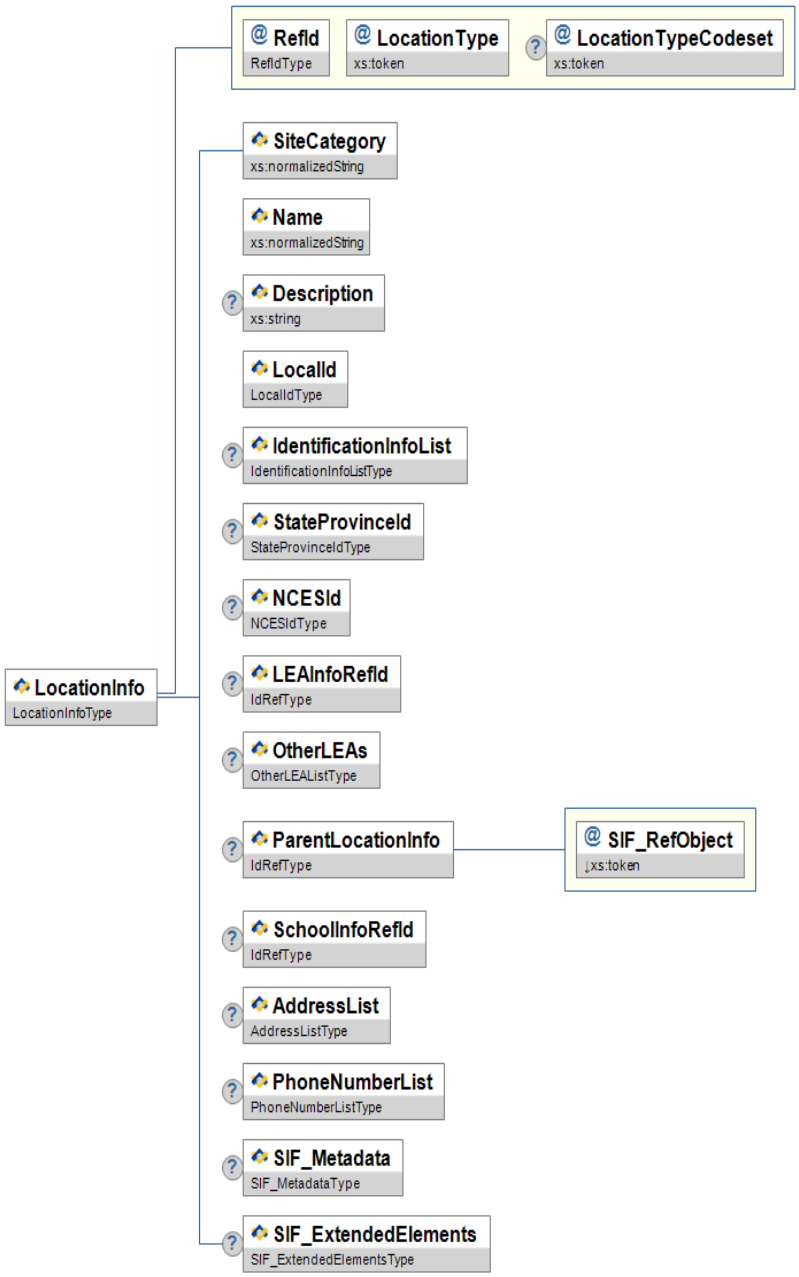


Figure 3.8.17-1: LocationInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LocationInfo			LocationInfo represents a location in a district.	
@	RefId	M		The SIF unique identifier for the location.	RefIdType
@	LocationType	M		Defines whether the location is a school or a non-school location.	xs:token
@	LocationTypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SiteCategory	M		Specific site category. Examples Prep Site Satellite Central Kitchen Warehouse Storage Central Office Other	xs:normalizedString
	Name	M		Text name of the location	xs:normalizedString
	Description	O		Description about the location.	xs:string
	LocalId	M		The locally-assigned identifier for this location.	LocalIdType
	IdentificationInfoList	O			IdentificationInfoListType
	StateProvinceId	O		The state-assigned identifier for this location.	StateProvinceIdType
	NCESId	O		The NCES-assigned identifier for this location.	NCESIdType
	LEAInfoRefId	O		The Id (GUID) that identifies the district.	IdRefType
	OtherLEAs	O		The Id (GUID) of an other related education agency, such as a regional service agency.	OtherLEAListType
	ParentLocationInfo	O		A LocationInfo instance could be related to another LocationInfo. This element will help create that relation.	IdRefType
@	SIF_RefObject	M		The name of the object referenced.	values: LocationInfo
	SchoolInfoRefId	O		The RefId of a corresponding SchoolInfo object.	IdRefType
	AddressList	O		This element has the LocationInfo address information.	AddressListType
	PhoneNumberList	O		The location's phone numbers.	PhoneNumberListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.17-1: LocationInfo

JSON


```
{
  "LocationInfo": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "LocationType": "School",
    "SiteCategory": "Other",
    "Name": "Lincoln High School",
    "LocalId": "2343LHS",
    "LEAInfoRefId": "73648462888624AA5294BC6380173276",
    "OtherLEAs": {
      "LEAInfoRefId": [
        "AA648462888624AA5294BC638017320B"
      ]
    }
  }
}
```


XML

```
<LocationInfo RefId="D3E34B359D75101A8C3D00AA001A1652" LocationType="School">
  <SiteCategory>Other</SiteCategory>
  <Name>Lincoln High School</Name>
  <LocalId>2343LHS</LocalId>
  <LEAInfoRefId>73648462888624AA5294BC6380173276</LEAInfoRefId>
  <OtherLEAs>
    <LEAInfoRefId>AA648462888624AA5294BC638017320B</LEAInfoRefId>
  </OtherLEAs>
</LocationInfo>
```

Example 3.8.17-1: LocationInfo

3.8.18 Payment

This object complements the Billing object, and contains information about the payment of a Billing object.

SIF_Events are reported for this object.

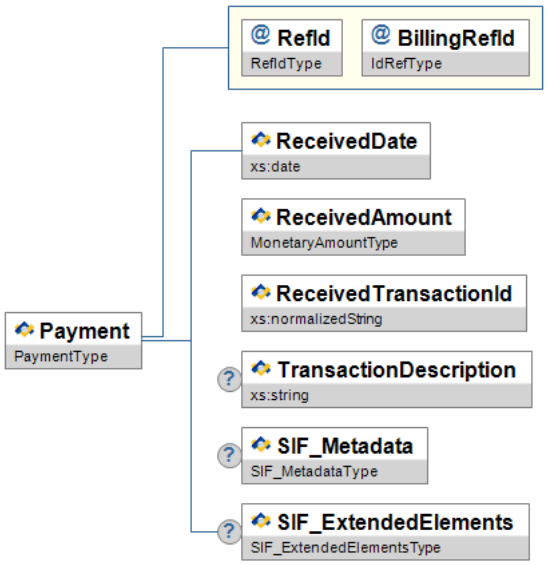


Figure 3.8.18-1: Payment

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Payment			This object complements the Billing object, and contains information about the payment of a Billing object.	
@	RefId	M		GUID for this transaction. The application that owns this object is responsible for generating this unique Id.	RefIdType
@	BillingRefId	M		A pointer back to the Billing object.	IdRefType
	ReceivedDate	M		Date payment was received.	xs:date
	ReceivedAmount	M		Amount received.	MonetaryAmountType
	ReceivedTransactionId	M		Memo transaction Id from other vendor software.	xs:normalizedString
	TransactionDescription	O		Description of the transaction.	xs:string
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.18-1: Payment

JSON

```
{
  "Payment": {
    "RefId": "EDF4985ABC3458FEDA75493AB3812345",
    "BillingRefId": "CA12345847DEA97463FEB238759FD123",
    "ReceivedDate": "1999-10-20",
    "ReceivedAmount": {
      "Currency": "USD",
      "value": 50.0
    },
    "ReceivedTransactionId": "010523"
  }
}
```

XML

```
<Payment RefId="EDF4985ABC3458FEDA75493AB3812345" BillingRefId="CA12345847DEA97463FEB238759FD123">
  <ReceivedDate>1999-10-20</ReceivedDate>
  <ReceivedAmount Currency="USD">50.00</ReceivedAmount>
  <ReceivedTransactionId>010523</ReceivedTransactionId>
</Payment>
```

Example 3.8.18-1: Payment

3.8.19 Purchasing

This object provides information down to the line item level for requisitions and purchase orders.

SIF_Events are reported for this object.

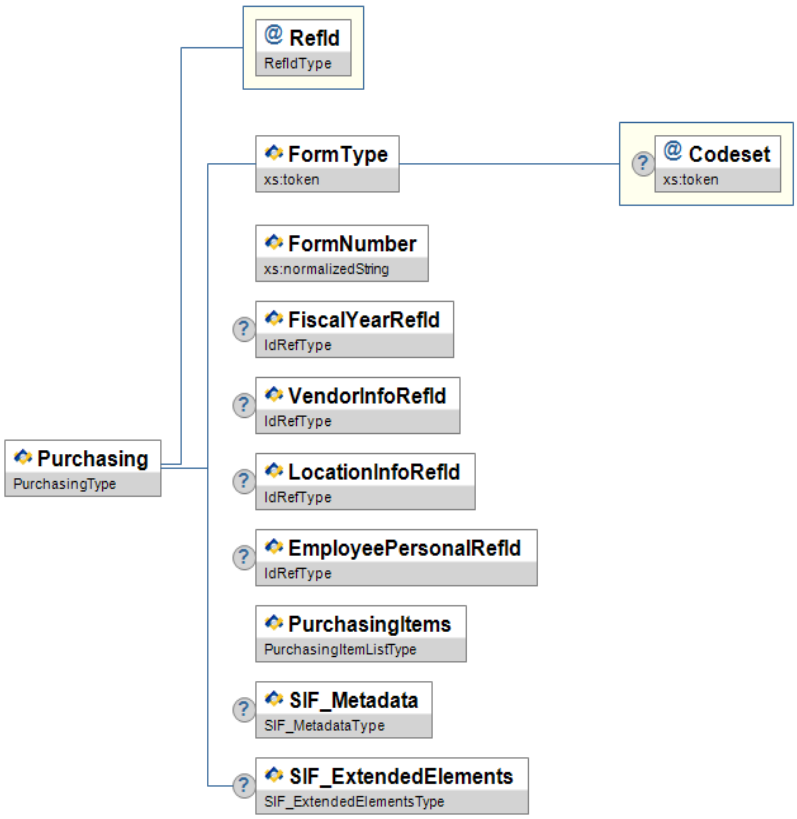


Figure 3.8.19-1: Purchasing

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Purchasing			This object provides information down to the line item level for requisitions and purchase orders.	
@	RefId	M		Transaction GUID for this purchasing activity. The application that owns this object and is responsible for generating this unique Id.	RefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FormType	M		Type of purchasing document.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	FormNumber	M		Requisition or PO number.	xs:normalizedString
	FiscalYearRefId	O		Reference to fiscal year for the transaction.	IdRefType
	VendorInfoRefId	C		This object references the VendorInfo object and should be considered mandatory when FormType="PO"	IdRefType
	LocationInfoRefId	O		The building Id for this purchasing activity.	IdRefType
	EmployeePersonalRefId	O		The employee Id for the originator of this purchasing activity.	IdRefType
	PurchasingItems	M		Contains information about the item being purchased.	PurchasingItemListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.19-1: Purchasing

JSON


```
{
  "Purchasing": {
    "RefId": "ED12345FDA8497275BC28AA349DD3721",
    "FormType": {
      "value": "PO"
    },
    "FormNumber": "00342",
    "FiscalYearRefId": "7A892874BC2389749876AE29873498A8",
    "VendorInfoRefId": "BD12345FDA8497275BC28AA349DD3723",
    "LocationInfoRefId": "ED12345FDA8497275BC28AA349DD3722",
    "EmployeePersonalRefId": "AD12345FDA8497275BC28AA349DD3721",
    "PurchasingItems": {
      "PurchasingItem": [
        {
          "ItemNumber": "154486",
          "ItemDescription": "Floor Wax",
          "Quantity": "10",
          "UnitCost": {
            "Currency": "USD",
            "value": 7.0
          },
          "ExpenseAccounts": {
            "ExpenseAccount": [
              {
                "AccountCode": "10-1100-610",
                "Amount": {
                  "Currency": "USD",
                  "value": 70.0
                }
              }
            ]
          }
        }
      ]
    }
  }
}
```


XML

```
<Purchasing RefId="ED12345FDA8497275BC28AA349DD3721">
  <FormType>PO</FormType>
  <FormNumber>00342</FormNumber>
  <FiscalYearRefId>7A892874BC2389749876AE29873498A8</FiscalYearRefId>
  <VendorInfoRefId>BD12345FDA8497275BC28AA349DD3723</VendorInfoRefId>
  <LocationInfoRefId>ED12345FDA8497275BC28AA349DD3722</LocationInfoRefId>
  <EmployeePersonalRefId>AD12345FDA8497275BC28AA349DD3721</EmployeePersonalRefId>
  <PurchasingItems>
    <PurchasingItem>
      <ItemNumber>154486</ItemNumber>
      <ItemDescription>Floor Wax</ItemDescription>
      <Quantity>10</Quantity>
      <UnitCost Currency="USD">7.00</UnitCost>
      <ExpenseAccounts>
        <ExpenseAccount>
          <AccountCode>10-1100-610</AccountCode>
          <Amount Currency="USD">70.00</Amount>
        </ExpenseAccount>
      </ExpenseAccounts>
    </PurchasingItem>
  </PurchasingItems>
</Purchasing>
```

Example 3.8.19-1: Purchasing

3.8.20 TimeWorked

This object contains information about the time worked by an employee on a specific job.

SIF_Events are reported for this object.

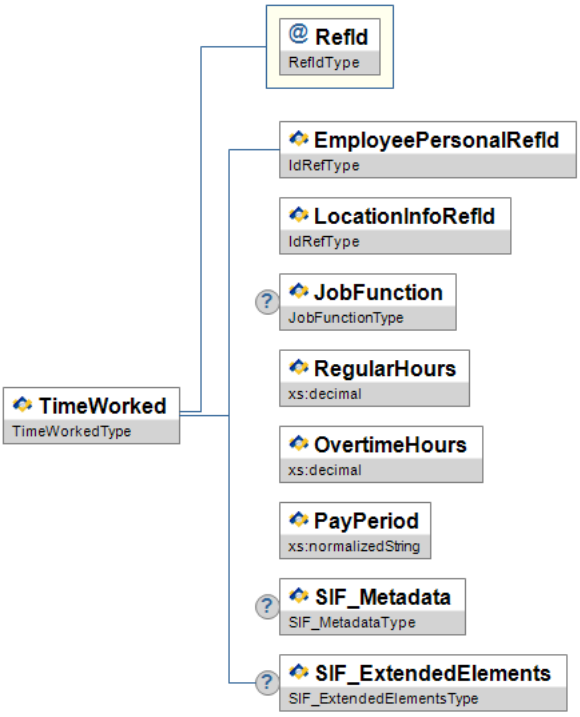


Figure 3.8.20-1: TimeWorked

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TimeWorked			This object contains information about the time worked by an employee on a specific job.	
@	RefId	M		GUID for this object. The application that owns this object is responsible for generating this unique Id.	RefIdType
	EmployeePersonalRefId	M		References associated EmployeePersonal object.	IdRefType
	LocationInfoRefId	M		Site where employee actually worked. References LocationInfo object.	IdRefType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	JobFunction	O		The purpose of the activities as related to students.	JobFunctionType
	RegularHours	M		Regular hours worked. Enter 0 if no hours worked.	xs:decimal
	OvertimeHours	M		Overtime hours worked. Enter 0 if no overtime hours worked.	xs:decimal
	PayPeriod	M		Pay period hours were worked in.	xs:normalizedString
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.20-1: TimeWorked

JSON

```
{
  "TimeWorked": {
    "RefId": "CCD1254884EE54687FF4567DACD34653",
    "EmployeePersonalRefId": "FACD1254884EE54687FF4567DACD3465",
    "LocationInfoRefId": "FFD1254884EE54687FF4567DACD34653",
    "JobFunction": {
      "Code": {
        "value": "1000"
      }
    },
    "RegularHours": 8,
    "OvertimeHours": 2,
    "PayPeriod": "20"
  }
}
```

XML

```
<TimeWorked RefId="CCD1254884EE54687FF4567DACD34653">
  <EmployeePersonalRefId>FACD1254884EE54687FF4567DACD3465</EmployeePersonalRefId>
  <LocationInfoRefId>FFD1254884EE54687FF4567DACD34653</LocationInfoRefId>
  <JobFunction>
    <Code>1000</Code>
  </JobFunction>
  <RegularHours>8</RegularHours>
  <OvertimeHours>2</OvertimeHours>
  <PayPeriod>20</PayPeriod>
</TimeWorked>
```

Example 3.8.20-1: TimeWorked

3.8.21 VendorInfo

This object contains basic vendor information.

SIF_Events are reported for this object.

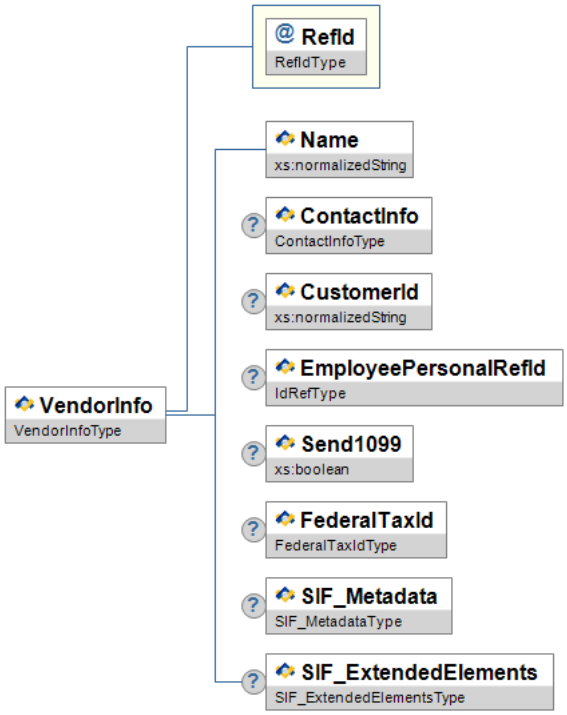


Figure 3.8.21-1: VendorInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	VendorInfo			This object contains basic vendor information.	
@	RefId	M		Vendor Id.	RefIdType
	Name	M		Name of the vendor.	xs:normalizedString
	ContactInfo	O		Contact information.	ContactInfoType
	CustomerId	O		Account number or other Id.	xs:normalizedString
	EmployeePersonalRefId	O		When the vendor and employee are the same, it may be appropriate to link the EmployeePersonal records to the VendorInfo when tracking expense and tuition reimbursement. This is the GUID of the associated EmployeePersonal object.	IdRefType
	Send1099	O		Send 1099 to this vendor.	xs:boolean
	FederalTaxId	O		Taxpayer identification number/Federal tax Id for this vendor.	FederalTaxIdType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.21-1: VendorInfo

JSON

```
{
  "VendorInfo": {
    "RefId": "AB3647C568654CF45678DD34EF564E22",
    "Name": "ABC School Supply",
    "ContactInfo": {
      "Name": {
        "Type": "04",
        "LastName": "Brown",
        "FirstName": "James"
      },
      "Address": {
        "Type": "0123",
        "Street": {
          "Line1": "23 E. 43rd St."
        },
        "City": "Chicago",
        "County": "Cook",
        "StateProvince": {
          "value": "IL"
        },
        "Country": {
          "value": "US"
        },
        "PostalCode": "60611"
      },
      "EmailList": {
        "Email": [
          {
            "Type": "Primary",
            "value": "jdr@ABC.com"
          }
        ]
      },
      "PhoneNumberList": {
        "PhoneNumber": [
          {
            "Type": "0096",
            "Number": "(312) 555-1234"
          }
        ]
      }
    },
    "CustomerId": "0023556",
    "Send1099": true,
    "FederalTaxId": {
      "Code": "EIN",
      "value": "5640232536"
    }
  }
}
```


XML


```
<VendorInfo RefId="AB3647C568654CF45678DD34EF564E22">
  <Name>ABC School Supply</Name>
  <ContactInfo>
    <Name Type="04">
      <LastName>Brown</LastName>
      <FirstName>James</FirstName>
    </Name>
    <Address Type="0123">
      <Street>
        <Line1>23 E. 43rd St.</Line1>
      </Street>
      <City>Chicago</City>
      <County>Cook</County>
      <StateProvince>IL</StateProvince>
      <Country>US</Country>
      <PostalCode>60611</PostalCode>
    </Address>
    <EmailList>
      <Email Type="Primary">jdr@ABC.com</Email>
    </EmailList>
    <PhoneNumberList>
      <PhoneNumber Type="0096">
        <Number>(312) 555-1234</Number>
      </PhoneNumber>
    </PhoneNumberList>
  </ContactInfo>
  <CustomerId>0023556</CustomerId>
  <Send1099>true</Send1099>
  <FederalTaxId Code="EIN">5640232536</FederalTaxId>
</VendorInfo>
```


Example 3.8.21-1: VendorInfo

3.8.22 W4

This object contains the information completed on a W4 tax form. (Please note that this object is defined to represent the current deductions allowances for the employee; this is not intended to circumvent or replace IRS reporting standards but to faciliatate movement of W4 data from system to system within the LEA.)

SIF_Events are reported for this object.

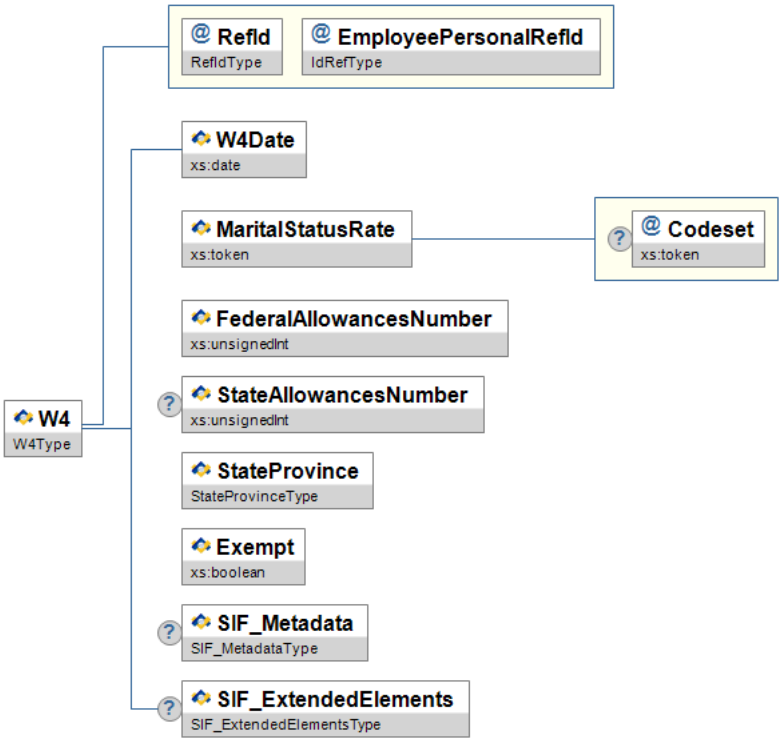


Figure 3.8.22-1: W4

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	W4			This object contains the information completed on a W4 tax form. (Please note that this object is defined to represent the current deductions allowances for the employee; this is not intended to circumvent or replace IRS reporting standards but to faciliatate movement of W4 data from system to system within the LEA.)	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.	RefIdType
@	EmployeePersonalRefId	M		This is the GUID that points to the employee represented in the EmployeePersonal object.	IdRefType
	W4Date	M		Date W4 was completed.	xs:date
	MaritalStatusRate	M		This denotes the current martial status of the employee	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	FederalAllowancesNumber	M		Number of federal allowances.	xs:unsignedInt
	StateAllowancesNumber	O		Number of state allowances.	xs:unsignedInt
	StateProvince	M		State of residence.	StateProvinceType
	Exempt	M		Is this employee exempt from federal and state exemptions?	xs:boolean
	SIF_Metadata	O			SIF_MetadataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.8.22-1: W4

JSON

```
{
  "W4": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "EmployeePersonalRefId": "DD5906EFD512EFDA253764EDA5897321",
    "W4Date": "1998-12-01",
    "MaritalStatusRate": {
      "value": "Married"
    },
    "FederalAllowancesNumber": 5,
    "StateAllowancesNumber": 3,
    "StateProvince": {
      "value": "NY"
    },
    "Exempt": true
  }
}
```

XML

```
<W4 RefId="359D75101AD0A9D7A8C3DAD0A85103A2" EmployeePersonalRefId="DD5906EFD512EFDA253764EDA5897321">
  <W4Date>1998-12-01</W4Date>
  <MaritalStatusRate>Married</MaritalStatusRate>
  <FederalAllowancesNumber>5</FederalAllowancesNumber>
  <StateAllowancesNumber>3</StateAllowancesNumber>
  <StateProvince>NY</StateProvince>
  <Exempt>true</Exempt>
</W4>
```

Example 3.8.22-1: W4

3.9 Identity Management Project Team

Local Education Authorities (LEAs) across the globe are dealing with the issues of managing users across a rapidly increasing number of applications. Many of these applications within the educational enterprise interface directly with learners, parents, and teachers. Each new application requires digital identity and profile data for operational purposes. A significant burden is placed on individual users to manage and secure their login credentials across applications. In many instances, users end up having to remember many user names and passwords and deal with profile information that is not consistent or up to date across the various applications that they access.

There is a great need to provide a standards-based solution for identity management and role-based security within the education industry. While many standards have been developed to solve this problem, there is no common profile within education that suppliers and end users can adopt. The SIFA has been solving issues of interoperability like this for many years. Educational applications built to support the SIF standard can also benefit from a set of profiles developed by SIFA that are targeted at solving the needs of sharing and using digital identities within an educational enterprise.

3.9.1 IdMApplication

A software application or system for which access is controlled through the identity management system.

SIF_Events are reported for this object.

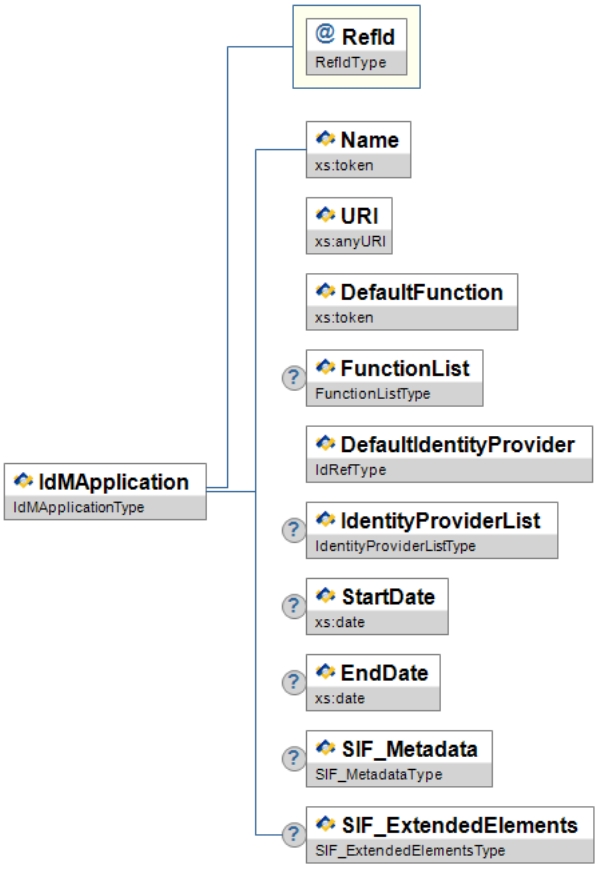


Figure 3.9.1-1: IdMApplication

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	IdMApplication			A software application or system for which access is controlled through the identity management system.	
@	RefId	M		GUID that uniquely identifies an instance of this object.	RefIdType
	Name	M		A short name for the application	xs:token
	URI	M		The URI of the application.	xs:anyURI
	DefaultFunction	M		A short description of the default or main function of the application.	xs:token
	FunctionList	O		A list of short descriptions of other functions the application performs.	FunctionListType
	DefaultIdentityProvider	M		The RefID of the application that is used as the Identity Provider (i.e., authentication provider) for the framework.	IdRefType
	IdentityProviderList	O		If the application can use multiple Identity Providers (authentication providers) to authenticate the user, for example Google directory service, LDAP, AD, etc., there could be multiple such providers in this list.	IdentityProviderListType
	StartDate	O		Start date of the association of this application to the Identity Provider application.	xs:date

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EndDate	O		End date of the association of this application to the Identity Provider application.	xs:date
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.9.1-1: IdMApplication

JSON

```
{
  "IdMApplication": {
    "RefId": "FE1078BA3261545A31905937B265CE01",
    "Name": "myApplication",
    "URI": "http://myApplication.com",
    "DefaultFunction": "Student Information",
    "DefaultIdentityProvider": "DE1078BA3261545A31905937B265CE47",
    "StartDate": "2001-09-05"
  }
}
```

XML

```
<IdMApplication RefId="FE1078BA3261545A31905937B265CE01">
  <Name>myApplication</Name>
  <URI>http://myApplication.com</URI>
  <DefaultFunction>Student Information</DefaultFunction>
  <DefaultIdentityProvider>DE1078BA3261545A31905937B265CE47</DefaultIdentityProvider>
  <StartDate>2001-09-05</StartDate>
</IdMApplication>
```

Example 3.9.1-1: IdMApplication

3.9.2 IdMAuthentication

This object establishes an authentication map between the Organization-User and the Identity Provider (IDP) LoginId. The profile will be used primarily to provision/deprovision users from the SIS/HR systems to the IDP.

SIF_Events are reported for this object.

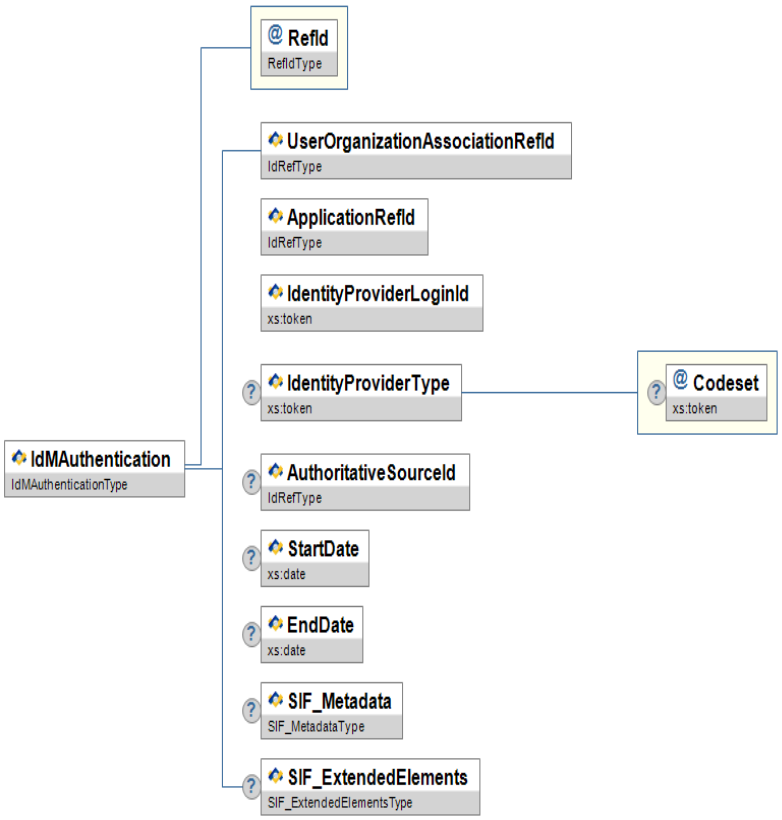


Figure 3.9.2-1: IdMAuthentication

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	IdMAuthentication			This object establishes an authentication map between the Organization-User and the Identity Provider (IDP) LoginId. The profile will be used primarily to provision/deprovision users from the SIS/HR systems to the IDP.	
@	RefId	M		GUID that uniquely identifies an instance of this object.	RefIdType
	UserOrganizationAssociationRefId	M		The RefId for the UserOrganizationAssociation SIF object if the authentication returns “true”.	IdRefType
	ApplicationRefId	M		RefId of the Identity Provider application.	IdRefType
	IdentityProviderLoginId	M		The login for the Organization-User within the Identity Provider application.	xs:token
	IdentityProviderType	O		An enumeration that defines how the authentication can be performed and exchanged.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	AuthoritativeSourceId	O		The RefID of the Authoritative Application creating this association.	IdRefType
	StartDate	O		Start date of the association of this authentication instance to the Identity Provider application.	xs:date
	EndDate	O		End date of the association of this authentication instance to the Identity Provider application.	xs:date
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.9.2-1: IdMAuthentication

JSON

```
{
  "IdMAuthentication": {
    "RefId": "FE1078BA3261545A31905937B265CE01",
    "UserOrganizationAssociationRefId": "AC3078BA3261545A31905937B265CE02",
    "ApplicationRefId": "AC3089BA3261545A31905937B265CE02",
    "IdentityProviderLoginId": "myId",
    "StartDate": "2001-09-05"
  }
}
```

XML

```
<IdMAuthentication RefId="FE1078BA3261545A31905937B265CE01">
  <UserOrganizationAssociationRefId>AC3078BA3261545A31905937B265CE02</UserOrganizationAssociationRefId>
  <ApplicationRefId>AC3089BA3261545A31905937B265CE02</ApplicationRefId>
  <IdentityProviderLoginId>myId</IdentityProviderLoginId>
  <StartDate>2001-09-05</StartDate>
</IdMAuthentication>
```

Example 3.9.2-1: IdMAuthentication

3.9.3 IdMAuthorization

This object establishes a role/permission map between the Organization-User and the downstream applications’ roles and permissions. This will be used primarily to provision/deprovision users from the SIS/HR systems to other applications.

SIF_Events are reported for this object.

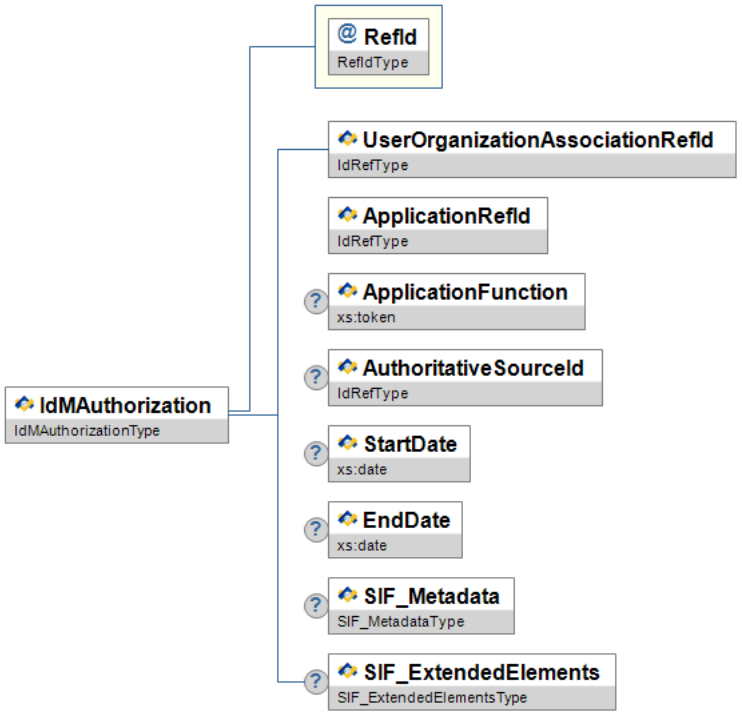


Figure 3.9.3-1: IdMAuthorization

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	IdMAuthorization			This object establishes a role/permission map between the Organization-User and the downstream applications' roles and permissions. This will be used primarily to provision/deprovision users from the SIS/HR systems to other applications.	
@	RefId	M		GUID that uniquely identifies an instance of this object.	RefIdType
	UserOrganizationAssociationRefId	M		The RefId for the SIF UserOrganizationAssociation object which defines the Organization-User to be authorized.	IdRefType
	ApplicationRefId	M		RefId of the Identity Provider application.	IdRefType
	ApplicationFunction	O		The role for the OrganizationUser to be assigned for the target application. The consuming application must be able to honor such role.	xs:token
	AuthoritativeSourceId	O		The RefID of the Authoritative Application creating this association.	IdRefType
	StartDate	O		Start date of the association of this authorization instance to the Identity Provider application.	xs:date
	EndDate	O		End date of the association of this authorization instance to the Identity Provider application.	xs:date
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.9.3-1: IdMAuthorization

JSON

```
{
  "IdMAuthorization": {
    "RefId": "FE1078BA3261545A31905937B265CE01",
    "UserOrganizationAssociationRefId": "AC3078BA3261545A31905937B265CE02",
    "ApplicationRefId": "AC3089BA3261545A31905937B265CE02",
    "StartDate": "2001-09-05"
  }
}
```

XML

```
<IdMAuthorization RefId="FE1078BA3261545A31905937B265CE01">
  <UserOrganizationAssociationRefId>AC3078BA3261545A31905937B265CE02</UserOrganizationAssociationRefId>
  <ApplicationRefId>AC3089BA3261545A31905937B265CE02</ApplicationRefId>
  <StartDate>2001-09-05</StartDate>
</IdMAuthorization>
```

Example 3.9.3-1: IdMAuthorization

3.9.4 UserOrganizationAssociation

This object associates a user of computer software applications to an organization.

SIF_Events are reported for this object.

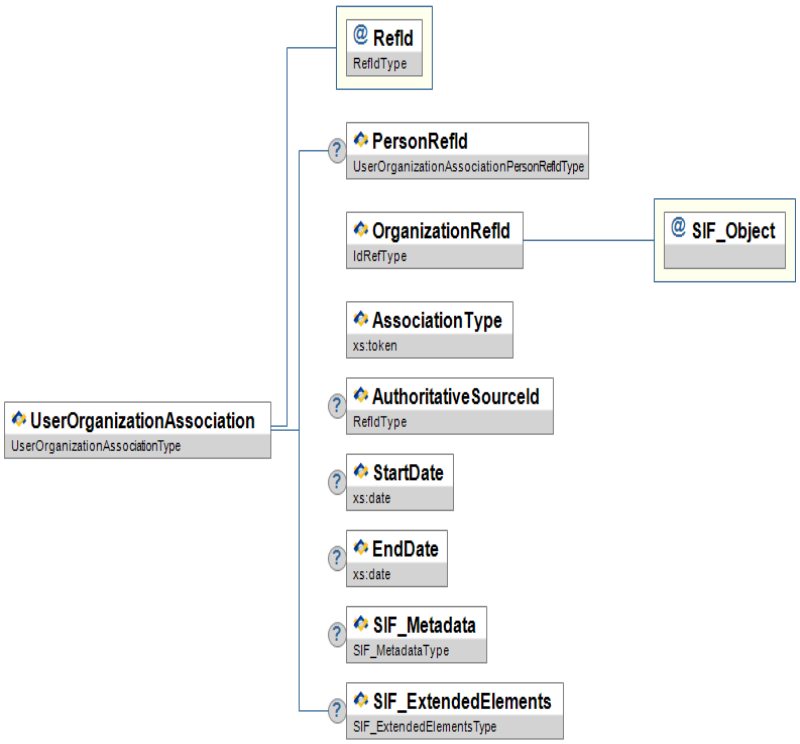


Figure 3.9.4-1: UserOrganizationAssociation

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	UserOrganizationAssociation			This object associates a user of computer software applications to an organization.	
@ 🔑	RefId	M		GUID that uniquely identifies an instance of this object.	RefIdType
	PersonRefId	O			UserOrganizationAssociationPersonRefIdType
	OrganizationRefId	M		RefId of the organization.	IdRefType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	SIF_Object	M		The name of the SIF object that is being referenced by the payload of this element.	
	AssociationType	M		The type of association. For example, if the user is a member of the organization then the type would be Member.	xs:token
	AuthoritativeSourceId	O		The RefID of the Authoritative Application creating this association	RefIdType
	StartDate	O		Start date of the association.	xs:date
	EndDate	O		End date of the association.	xs:date
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.9.4-1: UserOrganizationAssociation

JSON

```
{
  "UserOrganizationAssociation": {
    "RefId": "FE1078BA3261545A31905937B265CE01",
    "PersonRefId": {
      "SIF_Object": "StaffPersonal",
      "value": "AE1078BA3261545A31905937B265CE01"
    },
    "OrganizationRefId": {
      "SIF_Object": "SchoolInfo",
      "value": "BE1078BA3261545A31905937B265CE01"
    },
    "AssociationType": "Associate Member",
    "StartDate": "2001-09-05"
  }
}
```

XML

```
<UserOrganizationAssociation RefId="FE1078BA3261545A31905937B265CE01">
  <PersonRefId SIF_Object="StaffPersonal">AE1078BA3261545A31905937B265CE01</PersonRefId>
  <OrganizationRefId SIF_Object="SchoolInfo">BE1078BA3261545A31905937B265CE01</OrganizationRefId>
  <AssociationType>Associate Member</AssociationType>
  <StartDate>2001-09-05</StartDate>
</UserOrganizationAssociation>
```

Example 3.9.4-1: UserOrganizationAssociation

3.10 Infrastructure Working Group

In addition to SIF messages and strictly infrastructure-related objects like `SIF_ZoneStatus`, the Infrastructure Working Group occasionally defines data model objects that either do not fall neatly within the purview of currently existing data model working groups (e.g. the Authentication object) or that can be provided by the ZIS and agents alike—typically metadata about a zone as opposed to data directly originating from the K-12 instructional and administrative environment (e.g. `SIF_LogEntry`).

3.10.1 Authentication

The Authentication object allows a system that stores usernames and/or passwords to share them with other applications through SIF. The provider of the Authentication object may only support providing a username or a password, or it may support both.

The Authentication object is also able to transmit a user's network identity through SIF. If the user has an account in a network directory system that supports LDAP, the user's distinguishedName or username is shared to uniquely identify the user to applications that support LDAP or native network authentication options.

Details of how to implement the password element are included below the object definition.

SIF_Events are reported for this object.

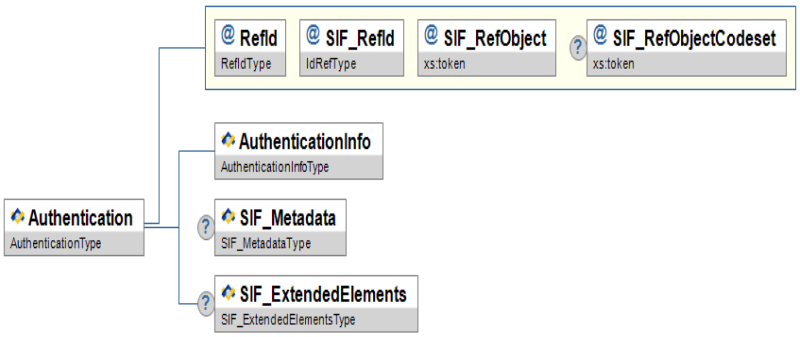


Figure 3.10.1-1: Authentication

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Authentication			The Authentication object allows a system that stores usernames and/or passwords to share them with other applications through SIF. The provider of the Authentication object may only support providing a username or a password, or it may support both. The Authentication object is also able to transmit a user's network identity through SIF. If the user has an account in a network directory system that supports LDAP, the user's distinguishedName or username is shared to uniquely identify the user to applications that support LDAP or native network authentication options.	
@	RefId	M		The SIF RefId that uniquely identifies this authentication object.	RefIdType
@	SIF_RefId	M		The SIF RefId of a student or staff member	IdRefType
@	SIF_RefObject	M		The type of SIF object that the SIF_RefId attribute identifies.	xs:token
@	SIF_RefObjectCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	AuthenticationInfo	M		The authentication information for one system.	AuthenticationInfoType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.10.1-1: Authentication

3.10.1.1 Password Implementation Details

While Authentication objects transported over SIF HTTPS are typically secure in transit, SIF objects are often stored in logs and databases. If the network infrastructure is not secure, the passwords could be subject to snooping from system users. Because of this, the design of the Authentication object requires that passwords never be transmitted in plain text, to prevent casual viewing. The design of this object allows passwords to be securely encrypted using a variety of encryption algorithms.

Passwords in the Authentication object can be shared in one of three ways as documented in the sections below.

3.10.1.1.1 Encoded Text

Sharing a password using encoded text is a very insecure method, because it uses a well-known algorithm and the value is not encrypted. The only merit of using this method is that the password is not readable as plain text, and thus deters any casual attempt to read a password. To share passwords in this manner, the following steps must be followed:

1. The publishing agent creates a `Password` element with the algorithm set to `base64`.
2. The agent encodes the Unicode representation of the password using the UTF-8 encoding.
3. The resulting binary value is then base64 encoded.
4. Write the result as the payload of the `Password` element.

3.10.1.1.2 Hashed Text

Sharing a hashed text version of a password means that the original password is not shared. Clear text passwords are not retrievable from values stored as hashes. These hashed values can only be used to verify passwords input by a user.

What is shared is a cryptographically secure hash of the password. This hash allows other applications to verify a user's password when s/he logs in by comparing the hash value, not the original password. To share passwords in this manner, the following steps must be followed:

1. The publishing agent creates a `Password` element with the algorithm set to `MD5` or `SHA1`.
2. The agent encodes the Unicode representation of the password using the UTF-8 encoding.

3. Hash the resulting binary value with the chosen hash algorithm.
4. Encode the binary result using base64 encoding.
5. Write the result as the payload of the `Password` element.

3.10.1.1.3 Encrypted Text

Sharing a password using encrypted text can be very secure. The key being used to encrypt the data should be known only to the applications. The `KeyName` attribute is used to allow agents to uniquely identify keys that are being used. To share passwords in this manner, the following steps must be followed:

1. The publishing agent creates a `Password` element with the algorithm set to `DES`, `TripleDES`, `RC2`, or `AES`.
2. The agent encodes the Unicode representation of the password using the UTF-8 encoding.
3. Generate a cryptographically secure Initialization Vector (IV).
4. Configure the encryption algorithm to use a cipher mode of CBC.
5. Configure the encryption algorithm to use a block size of 64 bits (8 bytes).
6. Configure the encryption algorithm to use the generated IV.
7. Configure the encryption algorithm to use the specified key for encryption.
8. Configure the encryption algorithm to use PKCS#7/PKCS#5 padding mode.
9. Encrypt the binary representation of the password that was generated in step 2.
10. Encode the binary result using base64 encoding.
11. Write the result as the payload of the `Password` element.

3.10.1.1.3.1 Example Keys

The XML in the Authentication example can be used to verify an agent's implementation of any of the published algorithms. The password being shared for the sake of the example is `¿sècrèt`. High-Unicode characters are being used in this example to validate proper encoding. The actual Unicode characters are: U+00BF, U+0073, U+00E8, U+0063, U+0072, U+00E8, U+0074.

The encryption keys being used are as follows (in base 64 format)

Key Name	Key (in base64 format)
64-BIT_KEY	dW7SKzwdn0Q=
128-BIT_KEY	TcdilmUZ6qvbmegl2it2pA==
192-BIT_KEY	mECbXMo+fOMWRwam7tyUEE59jbO9O0Z4

NOTE: Real-world implementations of password sharing should use keys other than the ones used for this documentation. These keys are provided for example's sake only. Keys should be generated using a secure cryptographic key generator.

JSON


```
{
  "Authentication": {
    "RefId": "4286194F43ED43C18EE2F0A27C4BEF86",
    "SIF_RefId": "23B08571E4D645C3B82A3E52E5349925",
    "SIF_RefObject": "StudentPersonal",
    "AuthenticationInfo": {
      "System": {
        "Type": "Network",
        "value": "NetworkSystem"
      },
      "Username": "User01",
      "DistinguishedName": "cn=User01, cn=Users, dc=sifinfo, dc=org",
      "PasswordList": {
        "Password": [
          {
            "Algorithm": "SHA1",
            "KeyName": "SHA1",
            "value": "lzKHIKRoPb3y0gZLJnFhQspdevg="
          },
          {
            "Algorithm": "MD5",
            "KeyName": "MD5",
            "value": "IwErjiNuanYLAmyFwyulPg=="
          },
          {
            "Algorithm": "base64",
            "KeyName": "BASE64",
            "value": "wr9zw6hjcsOodA=="
          },
          {
            "Algorithm": "DES",
            "KeyName": "64-BIT_KEY",
            "value": "6XSjrzAgkrd41Nzb61w5vwuqzKsQbybL"
          },
          {
            "Algorithm": "RC2",
            "KeyName": "128-BIT_KEY",
            "value": "jqCzWFS38Xs7tx7v2ksa01TrFhBnixI8"
          },
          {
            "Algorithm": "TripleDES",
            "KeyName": "192-BIT_KEY",
            "value": "msf17ucBbhN44uJpXTGGfI3twSR/cS/u"
          }
        ]
      }
    }
  }
}
```


XML

```
<Authentication RefId="4286194F43ED43C18EE2F0A27C4BEF86" SIF_RefId="23B08571E4D645C3B82A3E52E5349925" SIF_RefObject="StudentPersonal">
  <AuthenticationInfo>
    <System Type="Network">NetworkSystem</System>
    <Username>User01</Username>
    <DistinguishedName>cn=User01, cn=Users, dc=sifinfo, dc=org</DistinguishedName>
    <PasswordList>
      <Password Algorithm="SHA1" KeyName="SHA1">1zKHIKRoPb3y0gZLJnFhQspdevg=</Password>
      <Password Algorithm="MD5" KeyName="MD5">IwErjiNuanYLAmyFwyulPg==</Password>
      <Password Algorithm="base64" KeyName="BASE64">wr9zw6hjcsOodA==</Password>
      <Password Algorithm="DES" KeyName="64-BIT_KEY">6XSjrzAgkrd41Nzb61w5vwuqzKsQbybL</Password>
      <Password Algorithm="RC2" KeyName="128-BIT_KEY">jqCzWFS38Xs7tx7v2ksa01TrFhBnixI8</Password>
      <Password Algorithm="TripleDES" KeyName="192-BIT_KEY">msf17ucBbhN44uJpXTGGfI3twSR/cS/u</Password>
    </PasswordList>
  </AuthenticationInfo>
</Authentication>
```

Example 3.10.1-1: Authentication

3.11 Instructional Services Task Force

The goal of Instructional Services Task Force is to create, design and advocate a set of specifications that feature data objects which will advance interoperability standards of information needed in instruction and educational service delivery in the classroom and instructional settings.

3.11.1 Activity

The work assigned to students, an educational event planned by a teacher to deliver a particular educational concept or skill.

SIF_Events are reported for this object.

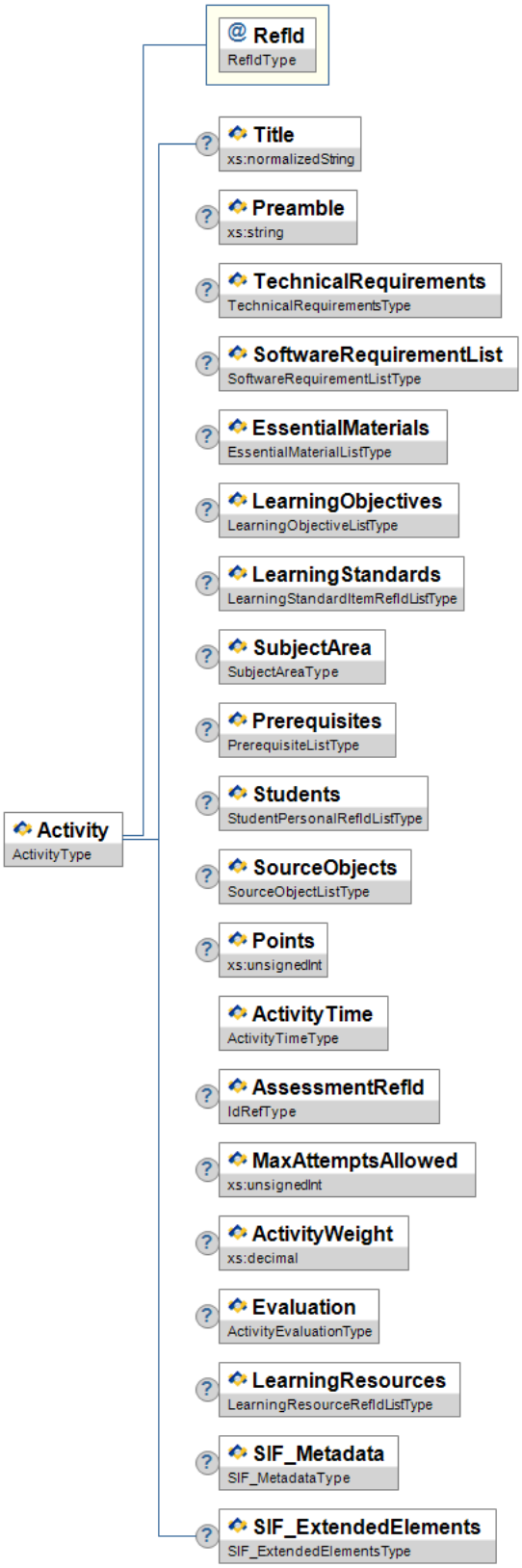


Figure 3.11.1-1: Activity

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Activity			The work assigned to students, an educational event planned by a teacher to deliver a particular educational concept or skill.	
@	RefId	M			RefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Title	O		Descriptive name of the activity.	xs:normalizedString
	Preamble	O		Description and context for the activity.	xs:string
	TechnicalRequirements	O		Operating system, network, and other technical requirements for the activity, if applicable.	TechnicalRequirementsType
	SoftwareRequirementList	O		Contains information about required software.	SoftwareRequirementListType
	EssentialMaterials	O		Essential materials required to engage in this activity.	EssentialMaterialListType
	LearningObjectives	O		Educational objectives of the activity.	LearningObjectiveListType
	LearningStandards	O		Associated `LearningStandardItem` objects.	LearningStandardItemRefIdListType
	SubjectArea	O			SubjectAreaType
	Prerequisites	O		Skills or competencies the student must have to engage in activity.	PrerequisiteListType
	Students	O		Links to any students or group or category of students that this activity is for.	StudentPersonalRefIdListType
	SourceObjects	O		Source objects assigned to students.	SourceObjectListType
	Points	O		Number of possible points for an activity.	xs:unsignedInt
	ActivityTime	M		Time structures for the activity.	ActivityTimeType
	AssessmentRefId	O		Link to the SIF Assessment object containing the evaluation information for this activity.	IdRefType
	MaxAttemptsAllowed	O		How many tries allowed.	xs:unsignedInt
	ActivityWeight	O		The percentage weight of the activity during the particular course or term.	xs:decimal
	Evaluation	O		Field for non-numeric types of grading and evaluation such as "narrative."	ActivityEvaluationType
	LearningResources	O		Learning resources that support this activity.	LearningResourceRefIdListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.11.1-1: Activity

JSON

```
{
  "Activity": {
    "RefId": "C27E1FCFC163485FBEF0F36F18A0493A",
    "xml:lang": "en",
    "Title": "Shakespeare Essay - Much Ado About Nothing",
    "Preamble": "This is a very funny comedy - students should have passing familiarity with Shakespeare",
    "LearningStandards": {
      "LearningStandardItemRefId": [
        "9DB15CEAB2C54F6694C37D0A0CAEDDA4"
      ]
    },
    "SourceObjects": {
      "SourceObject": [
        {
          "SIF_RefObject": "Lesson",
          "value": "A71ADBD3D93DA64B7166E420D50EDABC"
        }
      ]
    },
    "Points": 50,
    "ActivityTime": {
      "CreationDate": "2002-06-15",
      "Duration": {
        "Units": "minute",
        "value": 30
      },
      "StartDate": "2002-09-10",
      "FinishDate": "2002-09-12",
      "DueDate": "2002-09-12"
    },
    "AssessmentRefId": "03EDB29E8116B4500435FA87E42A0AD2",
    "MaxAttemptsAllowed": 3,
    "ActivityWeight": 5,
    "Evaluation": {
      "EvaluationType": "Inline",
      "Description": "Students should be able to correctly identify all major characters."
    },
    "LearningResources": {
      "LearningResourceRefId": [
        "B7337698BF6DB1937F79A07B87211B93"
      ]
    }
  }
}
```


XML


```
<Activity RefId="C27E1FCFC163485FBEF0F36F18A0493A" xml:lang="en">
  <Title>Shakespeare Essay - Much Ado About Nothing</Title>
  <Preamble>This is a very funny comedy - students should have passing familiarity with Shakespeare</Preamble>
  <LearningStandards>
    <LearningStandardItemRefId>9DB15CEAB2C54F6694C37D0A0CAEDDA4</LearningStandardItemRefId>
  </LearningStandards>
  <SourceObjects>
    <SourceObject SIF_RefObject="Lesson">A71ADBD3D93DA64B7166E420D50EDABC</SourceObject>
  </SourceObjects>
  <Points>50</Points>
  <ActivityTime>
    <CreationDate>2002-06-15</CreationDate>
    <Duration Units="minute">30</Duration>
    <StartDate>2002-09-10</StartDate>
    <FinishDate>2002-09-12</FinishDate>
    <DueDate>2002-09-12</DueDate>
  </ActivityTime>
  <AssessmentRefId>03EDB29E8116B4500435FA87E42A0AD2</AssessmentRefId>
  <MaxAttemptsAllowed>3</MaxAttemptsAllowed>
  <ActivityWeight>5</ActivityWeight>
  <Evaluation EvaluationType="Inline">
    <Description>Students should be able to correctly identify all major characters.</Description>
  </Evaluation>
  <LearningResources>
    <LearningResourceRefId>B7337698BF6DB1937F79A07B87211B93</LearningResourceRefId>
  </LearningResources>
</Activity>
```


Example 3.11.1-1: Activity - Example 1

JSON

```
{
  "Activity": {
    "RefId": "C27E1FCFC163485FBEF0F36F18A0493A",
    "xml:lang": "en",
    "Title": "Shakespeare Essay - Much Ado About Nothing",
    "Preamble": "This is a very funny comedy - students should have passing familiarity with Shakespeare",
    "SoftwareRequirementList": {
      "SoftwareRequirement": [
        {
          "SoftwareTitle": "Flash Player",
          "Version": "9.0",
          "Vendor": "Adobe"
        },
        {
          "SoftwareTitle": "Python",
          "Version": "3.0",
          "OS": "Linux"
        }
      ]
    },
    "LearningStandards": {
      "LearningStandardItemRefId": [
        "9DB15CEAB2C54F6694C37D0A0CAEDDA4"
      ]
    },
    "SourceObjects": {
      "SourceObject": [
        {
          "SIF_RefObject": "Lesson",
          "value": "A71ADBD3D93DA64B7166E420D50EDABC"
        }
      ]
    },
    "Points": 50,
    "ActivityTime": {
      "CreationDate": "2002-06-15",
      "Duration": {
        "Units": "minute",
        "value": 30
      },
      "StartDate": "2002-09-10",
      "FinishDate": "2002-09-12",
      "DueDate": "2002-09-12"
    },
    "AssessmentRefId": "03EDB29E8116B4500435FA87E42A0AD2",
    "MaxAttemptsAllowed": 3,
    "ActivityWeight": 5,
    "Evaluation": {
      "EvaluationType": "Inline",
      "Description": "Students should be able to correctly identify all major characters."
    },
    "LearningResources": {
      "LearningResourceRefId": [
        "B7337698BF6DB1937F79A07B87211B93"
      ]
    }
  }
}
```


XML


```
<Activity RefId="C27E1FCFC163485FBEF0F36F18A0493A" xml:lang="en">
  <Title>Shakespeare Essay - Much Ado About Nothing</Title>
  <Preamble>This is a very funny comedy - students should have passing familiarity with Shakespeare</Preamble>
  <SoftwareRequirementList>
    <SoftwareRequirement>
      <SoftwareTitle>Flash Player</SoftwareTitle>
      <Version>9.0</Version>
      <Vendor>Adobe</Vendor>
    </SoftwareRequirement>
    <SoftwareRequirement>
      <SoftwareTitle>Python</SoftwareTitle>
      <Version>3.0</Version>
      <OS>Linux</OS>
    </SoftwareRequirement>
  </SoftwareRequirementList>
  <LearningStandards>
    <LearningStandardItemRefId>9DB15CEAB2C54F6694C37D0A0CAEDDA4</LearningStandardItemRefId>
  </LearningStandards>
  <SourceObjects>
    <SourceObject SIF_RefObject="Lesson">A71ADBD3D93DA64B7166E420D50EDABC</SourceObject>
  </SourceObjects>
  <Points>50</Points>
  <ActivityTime>
    <CreationDate>2002-06-15</CreationDate>
    <Duration Units="minute">30</Duration>
    <StartDate>2002-09-10</StartDate>
    <FinishDate>2002-09-12</FinishDate>
    <DueDate>2002-09-12</DueDate>
  </ActivityTime>
  <AssessmentRefId>03EDB29E8116B4500435FA87E42A0AD2</AssessmentRefId>
  <MaxAttemptsAllowed>3</MaxAttemptsAllowed>
  <ActivityWeight>5</ActivityWeight>
  <Evaluation EvaluationType="Inline">
    <Description>Students should be able to correctly identify all major characters.</Description>
  </Evaluation>
  <LearningResources>
    <LearningResourceRefId>B7337698BF6DB1937F79A07B87211B93</LearningResourceRefId>
  </LearningResources>
</Activity>
```


Example 3.11.1-2: Activity - Example 2

3.11.2 Assignment

The work assigned to a student, which can comprise of learning resources, activities, and assessments. It must have a student and a time attached to it.

SIF_Events are reported for this object.

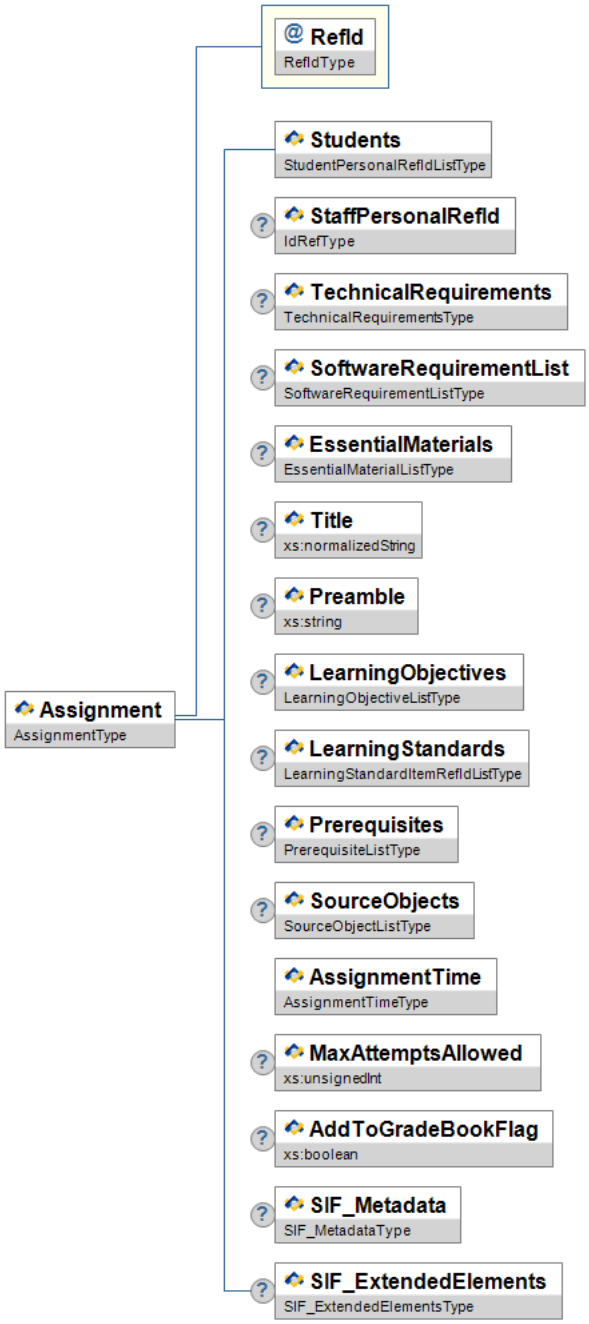


Figure 3.11.2-1: Assignment

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Assignment			The work assigned to a student, which can comprise of learning resources, activities, and assessments. It must have a student and a time attached to it.	
@	RefId	M		GUID assigned to assignment.	RefIdType
	Students	M		Students given this assignment.	StudentPersonalRefIdListType
	StaffPersonalRefId	O		GUID assigned to the educator who gave the assignment.	IdRefType
	TechnicalRequirements	O		Operating system, network, and other technical requirements for the activity, if applicable.	TechnicalRequirementsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SoftwareRequirementList	O		Contains information about required software.	SoftwareRequirementListType
	EssentialMaterials	O		Essential materials required to engage in the assignment.	EssentialMaterialListType
	Title	O		Descriptive name of the assignment.	xs:normalizedString
	Preamble	O		Description and context for the assignment.	xs:string
	LearningObjectives	O		Educational objectives of the assignment.	LearningObjectiveListType
	LearningStandards	O		Associated `LearningStandardItem` objects.	LearningStandardItemRefIdListType
	Prerequisites	O		Skills or competencies the student must have to engage in assignment.	PrerequisiteListType
	SourceObjects	O		Source objects assigned to students.	SourceObjectListType
	AssignmentTime	M		Time structures for the assignment.	AssignmentTimeType
	MaxAttemptsAllowed	O		The number attempts a student may make on this assignment. Assumed to be unlimited if omitted.	xs:unsignedInt
	AddToGradeBookFlag	O		Flag to prompt grade book processing.	xs:boolean
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.11.2-1: Assignment

JSON


```
{
  "Assignment": {
    "RefId": "DE072A87EFAD4B778AF9FAF83C94839E",
    "xml:lang": "en",
    "Students": {
      "StudentPersonalRefId": [
        "687FE59529E5FDB6A0949FDD8E12ACC3"
      ]
    },
    "StaffPersonalRefId": "994FE59529E5FDB6A0949FDD8E12ACC3",
    "TechnicalRequirements": {
      "TechnicalRequirement": [
        "Internet Explorer 5.5 or greater"
      ]
    },
    "EssentialMaterials": {
      "EssentialMaterial": [
        "LCD Projector"
      ]
    },
    "Title": "The Painting of the Titanic: An Artistic Disaster",
    "Preamble": "Just how badly CAN the students paint? This assignment will help determine this.",
    "SourceObjects": {
      "SourceObject": [
        {
          "SIF_RefObject": "Assessment",
          "value": "C2AC666132E946D9828B506A851FC3F5"
        }
      ]
    },
    "AssignmentTime": {
      "Duration": {
        "Units": "minute",
        "value": 30
      },
      "StartDate": "2003-02-26",
      "DueDate": "2003-02-26",
      "AdministrationDate": "2003-02-26"
    },
    "MaxAttemptsAllowed": 1,
    "AddToGradeBookFlag": true
  }
}
```

XML

```
<Assignment RefId="DE072A87EFAD4B778AF9FAF83C94839E" xml:lang="en">
  <Students>
    <StudentPersonalRefId>687FE59529E5FDB6A0949FDD8E12ACC3</StudentPersonalRefId>
  </Students>
  <StaffPersonalRefId>994FE59529E5FDB6A0949FDD8E12ACC3</StaffPersonalRefId>
  <TechnicalRequirements>
    <TechnicalRequirement>Internet Explorer 5.5 or greater</TechnicalRequirement>
  </TechnicalRequirements>
  <EssentialMaterials>
    <EssentialMaterial>LCD Projector</EssentialMaterial>
  </EssentialMaterials>
  <Title>The Painting of the Titanic: An Artistic Disaster</Title>
  <Preamble>Just how badly CAN the students paint? This assignment will help determine this.</Preamble>
  <SourceObjects>
    <SourceObject SIF_RefObject="Assessment">C2AC666132E946D9828B506A851FC3F5</SourceObject>
  </SourceObjects>
  <AssignmentTime>
    <Duration Units="minute">30</Duration>
    <StartDate>2003-02-26</StartDate>
    <DueDate>2003-02-26</DueDate>
    <AdministrationDate>2003-02-26</AdministrationDate>
  </AssignmentTime>
  <MaxAttemptsAllowed>1</MaxAttemptsAllowed>
  <AddToGradeBookFlag>true</AddToGradeBookFlag>
</Assignment>
```

Example 3.11.2-1: Assignment - Example 1

JSON

```
{
  "Assignment": {
    "RefId": "DE072A87EFAD4B778AF9FAF83C94839E",
    "xml:lang": "en",
    "Students": {
      "StudentPersonalRefId": [
        "687FE59529E5FDB6A0949FDD8E12ACC3"
      ]
    },
    "StaffPersonalRefId": "994FE59529E5FDB6A0949FDD8E12ACC3",
    "TechnicalRequirements": {
      "TechnicalRequirement": [
        "Internet Explorer 5.5 or greater"
      ]
    },
    "SoftwareRequirementList": {
      "SoftwareRequirement": [
        {
          "SoftwareTitle": "Real Player",
          "Version": "11.0",
          "Vendor": "RealNetworks"
        },
        {
          "SoftwareTitle": "Internet Explorer",
          "Version": "6.0",
          "OS": "Windows XP"
        }
      ]
    },
    "EssentialMaterials": {
      "EssentialMaterial": [
        "LCD Projector"
      ]
    },
    "Title": "The Painting of the Titanic: An Artistic Disaster",
    "Preamble": "Just how badly CAN the students paint? This assignment will help determine this.",
    "SourceObjects": {
      "SourceObject": [
        {
          "SIF_RefObject": "Assessment",
          "value": "C2AC666132E946D9828B506A851FC3F5"
        }
      ]
    },
    "AssignmentTime": {
      "Duration": {
        "Units": "minute",
        "value": 30
      },
      "StartDate": "2003-02-26",
      "DueDate": "2003-02-26",
      "AdministrationDate": "2003-02-26"
    },
    "MaxAttemptsAllowed": 1,
    "AddToGradeBookFlag": true
  }
}
```

XML

```
<Assignment RefId="DE072A87EFAD4B778AF9FAF83C94839E" xml:lang="en">
  <Students>
    <StudentPersonalRefId>687FE59529E5FDB6A0949FDD8E12ACC3</StudentPersonalRefId>
  </Students>
  <StaffPersonalRefId>994FE59529E5FDB6A0949FDD8E12ACC3</StaffPersonalRefId>
  <TechnicalRequirements>
    <TechnicalRequirement>Internet Explorer 5.5 or greater</TechnicalRequirement>
  </TechnicalRequirements>
  <SoftwareRequirementList>
    <SoftwareRequirement>
      <SoftwareTitle>Real Player</SoftwareTitle>
      <Version>11.0</Version>
      <Vendor>RealNetworks</Vendor>
    </SoftwareRequirement>
    <SoftwareRequirement>
      <SoftwareTitle>Internet Explorer</SoftwareTitle>
      <Version>6.0</Version>
      <OS>Windows XP</OS>
    </SoftwareRequirement>
  </SoftwareRequirementList>
  <EssentialMaterials>
    <EssentialMaterial>LCD Projector</EssentialMaterial>
  </EssentialMaterials>
  <Title>The Painting of the Titanic: An Artistic Disaster</Title>
  <Preamble>Just how badly CAN the students paint? This assignment will help determine this.</Preamble>
  <SourceObjects>
    <SourceObject SIF_RefObject="Assessment">C2AC666132E946D9828B506A851FC3F5</SourceObject>
  </SourceObjects>
  <AssignmentTime>
    <Duration Units="minute">30</Duration>
    <StartDate>2003-02-26</StartDate>
    <DueDate>2003-02-26</DueDate>
    <AdministrationDate>2003-02-26</AdministrationDate>
  </AssignmentTime>
  <MaxAttemptsAllowed>1</MaxAttemptsAllowed>
  <AddToGradeBookFlag>true</AddToGradeBookFlag>
</Assignment>
```

Example 3.11.2-2: Assignment - Example 2

3.11.3 ContentCatalog

The curriculum responder makes available a catalog of relevant instructional assets in this format. This detail should succinctly identify curriculum whether it is an assessment, learning resource, activity or lesson.

SIF_Events are not reported for this object.

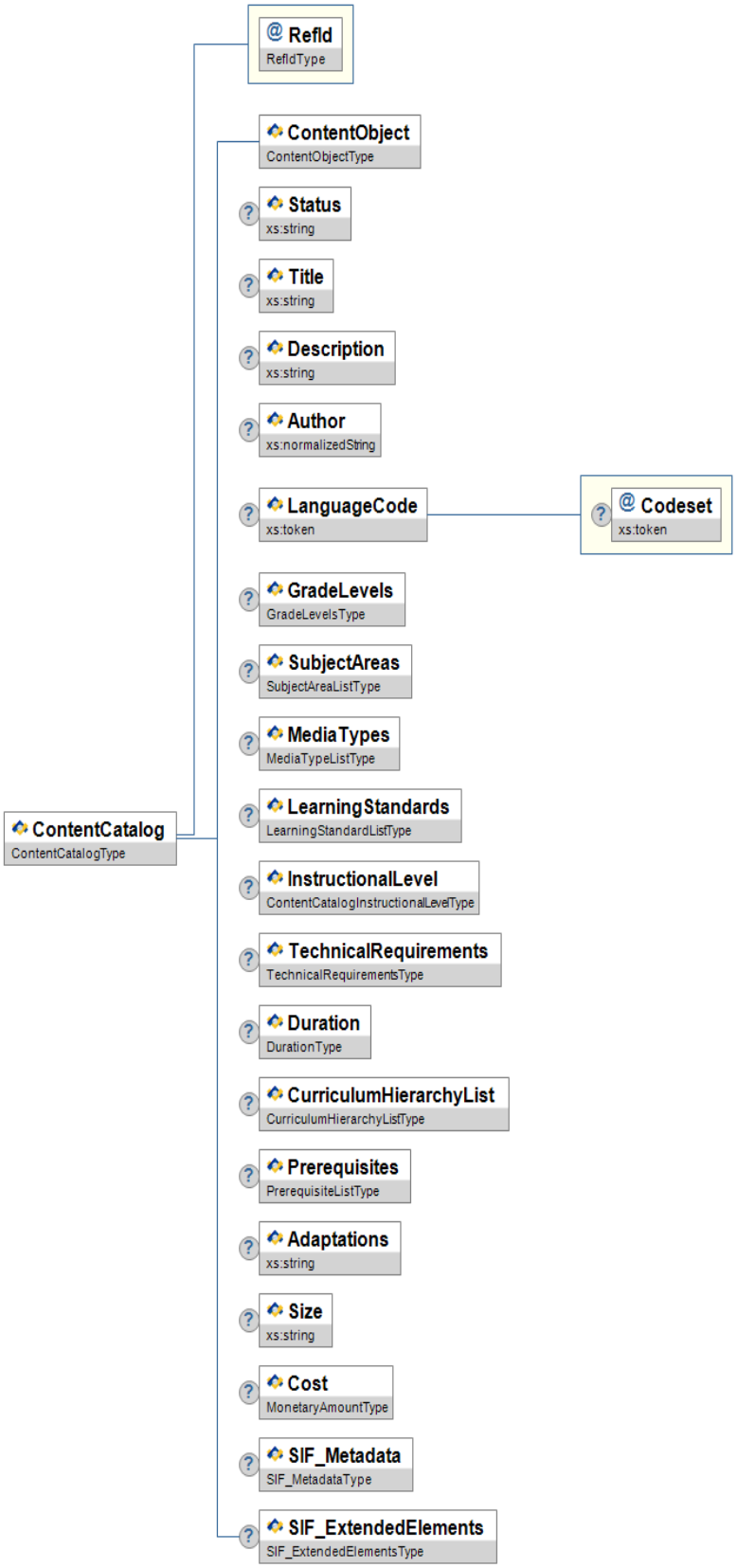


Figure 3.11.3-1: ContentCatalog

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContentCatalog			This object contains information related to learning resources that can be searched for and retrieved from content repositories.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	RefId	M		A GUID that identifies an instance of this object. This RefId is a “transient” value; that is, it SHOULD be generated by the provider at the time the object is provided in a Response message. This value MUST NOT be used in a later Request for the object.	RefIdType
	ContentObject	M		The learning object.	ContentObjectType
	Status	O		Describes availability status of resource, e.g. "checked out."	xs:string
	Title	O		Title of the resource, e.g., "The Civil War ..."	xs:string
	Description	O		Description of the resource, e.g., "This textbook is intended for grade 4 social studies students and addresses..."	xs:string
	Author	O		Name of individual, organization or company that created the resource	xs:normalizedString
	LanguageCode	O		The language used by the content to communicate to the Student	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	GradeLevels	O		A common element used to specify the collection of grade levels supported.	GradeLevelsType
	SubjectAreas	O		A list of subject areas.	SubjectAreaListType
	MediaTypes	O		Resource media types	MediaTypeListType
	LearningStandards	O		This element contains information related to curriculum standards statements "standards" or "benchmarks" or the like within the document.	LearningStandardListType
	InstructionalLevel	O			ContentCatalogInstructionalLevelType
	TechnicalRequirements	O		Operating system, network, and other technical requirements for the activity, if applicable.	TechnicalRequirementsType
	Duration	O		Time required to complete the activity.	DurationType
	CurriculumHierarchyList	O			CurriculumHierarchyListType
	Prerequisites	O		Skills or competencies the student must have to engage in activity.	PrerequisiteListType
	Adaptations	O		Adaptations necessary for target students (508)	xs:string
	Size	O		The size of the learning content objects.	xs:string
	Cost	O		The price of the object requested	MonetaryAmountType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.11.3-1: ContentCatalog

JSON


```
{
  "ContentCatalog": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "xml:lang": "en",
    "ContentObject": {
      "Location": {
        "ReferenceType": "URI",
        "value": "http://myserver.mydomain.com/content/civil_war_photos.pdf"
      }
    },
    "Status": "Available",
    "Title": "The Civil War in Photos",
    "Description": "A collection of Civil War Photos",
    "Author": "John Smith",
    "LanguageCode": {
      "value": "eng"
    },
    "GradeLevels": {
      "GradeLevel": [
        {
          "Code": {
            "value": "09"
          }
        },
        {
          "Code": {
            "value": "10"
          }
        },
        {
          "Code": {
            "value": "11"
          }
        }
      ]
    },
    "SubjectAreas": {
      "SubjectArea": [
        {
          "Code": {
            "value": "04"
          }
        }
      ]
    },
    "MediaTypes": {
      "MediaType": [
        "x-application/pdf"
      ]
    },
    "LearningStandards": {
      "Document": [
        {
          "Title": "Essential Academic Learning Requirements",
          "StandardsSettingBody": {
            "Country": {
              "value": "US"
            },
            "StateProvince": {
              "value": "OH"
            },
            "NCESId": "12345",
            "SettingBodyName": "Ohio Department of Education"
          },
          "StatementCodes": {
            "StatementCode": [
              "US History.2.03.a"
            ]
          }
        },
        {
          "Title": "State Learning Requirements",
          "StandardsSettingBody": {
            "Country": {
              "value": "US"
            },
            "StateProvince": {
              "value": "UT"
            },
            "NCESId": "67890",
            "SettingBodyName": "UT Department of Education"
          },
          "StatementCodes": {
            "StatementCode": [
              "US History.4.89"
            ]
          }
        }
      ]
    },
    "InstructionalLevel": {
      "value": "0571"
    },
    "TechnicalRequirements": {
      "TechnicalRequirement": [
        "Computer"
      ]
    },
    "Duration": {
      "Units": "minute",
      "value": 10
    },
    "Size": "100mb"
  }
}
```


XML

```
<ContentCatalog RefId="359D75101AD0A9D7A8C3DAD0A85103A2" xml:lang="en">
  <ContentObject>
    <Location ReferenceType="URI">http://myserver.mydomain.com/content/civil_war_photos.pdf</Location>
  </ContentObject>
  <Status>Available</Status>
  <Title>The Civil War in Photos</Title>
  <Description>A collection of Civil War Photos</Description>
  <Author>John Smith</Author>
  <LanguageCode>eng</LanguageCode>
  <GradeLevels>
    <GradeLevel>
      <Code>09</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>10</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>11</Code>
    </GradeLevel>
  </GradeLevels>
  <SubjectAreas>
    <SubjectArea>
      <Code>04</Code>
    </SubjectArea>
  </SubjectAreas>
  <MediaTypes>
    <MediaType>x-application/pdf</MediaType>
  </MediaTypes>
  <LearningStandards>
    <Document>
      <Title>Essential Academic Learning Requirements</Title>
      <StandardsSettingBody>
        <Country>US</Country>
        <StateProvince>OH</StateProvince>
        <NCESId>12345</NCESId>
        <SettingBodyName>Ohio Department of Education</SettingBodyName>
      </StandardsSettingBody>
      <StatementCodes>
        <StatementCode>US History.2.03.a</StatementCode>
      </StatementCodes>
    </Document>
    <Document>
      <Title>State Learning Requirements</Title>
      <StandardsSettingBody>
        <Country>US</Country>
        <StateProvince>UT</StateProvince>
        <NCESId>67890</NCESId>
        <SettingBodyName>UT Department of Education</SettingBodyName>
      </StandardsSettingBody>
      <StatementCodes>
        <StatementCode>US History.4.89</StatementCode>
      </StatementCodes>
    </Document>
  </LearningStandards>
  <InstructionalLevel>0571</InstructionalLevel>
  <TechnicalRequirements>
    <TechnicalRequirement>Computer</TechnicalRequirement>
  </TechnicalRequirements>
  <Duration Units="minute">10</Duration>
  <Size>100mb</Size>
</ContentCatalog>
```

Example 3.11.3-1: ContentCatalog

3.11.4 CurriculumStructure

An object designed to contain instructional objects such as units, lessons, activities, and assessments—or other containers—joined together under a particular topic and/or duration.

SIF_Events are reported for this object.

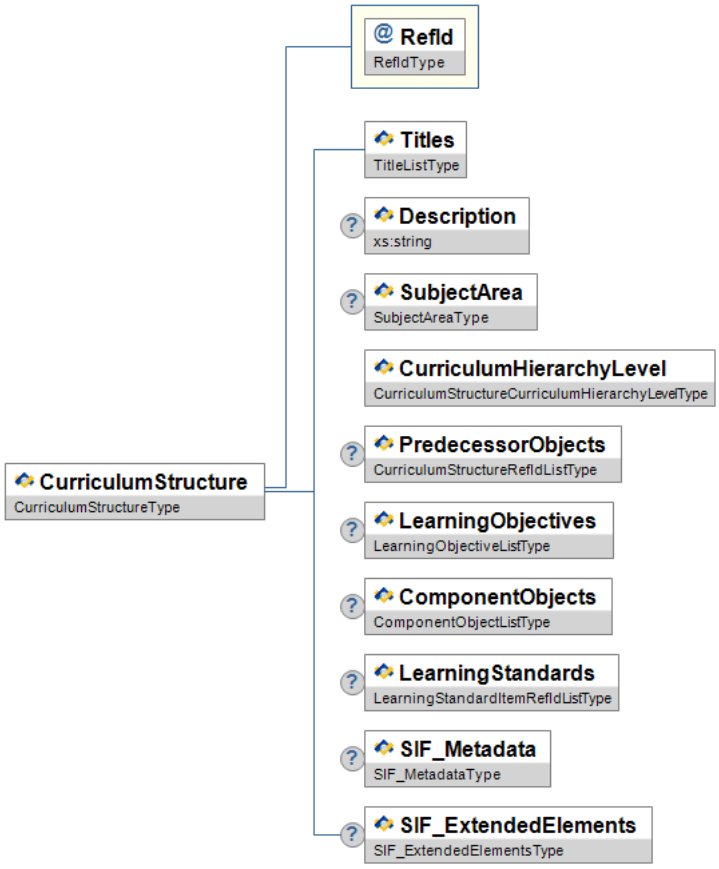


Figure 3.11.4-1: CurriculumStructure

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CurriculumStructure			An object designed to contain instructional objects such as units, lessons, activities, and assessments—or other containers—joined together under a particular topic and/or duration.	
@	RefId	M		GUID for this particular object.	RefIdType
	Titles	M			TitleListType
	Description	O		Description of this curriculum object	xs:string
	SubjectArea	O			SubjectAreaType
	CurriculumHierarchyLevel	M		Describes the position of this object in the curriculum hierarchy.	CurriculumStructureCurriculumHierarchyLevelType
	PredecessorObjects	O		CurriculumStructure objects directly above this one in the hierarchy tree. These are repeatable because a single object can have multiple parent levels in the hierarcy.	CurriculumStructureRefIdListType
	LearningObjectives	O		Learning objectives for this object.	LearningObjectiveListType
	ComponentObjects	O		Component objects, if any, that make up this object.	ComponentObjectListType
	LearningStandards	O		Associated learning standards.	LearningStandardItemRefIdListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.11.4-1: CurriculumStructure

JSON


```
{
  "CurriculumStructure": {
    "RefId": "B364631190F169CD8E3DF2BA2537EC8B",
    "xml:lang": "en",
    "Titles": {
      "Title": [
        "Cellular Concepts"
      ]
    },
    "Description": "Reviews basic concepts in Cellular Biology",
    "SubjectArea": {
      "Code": {
        "value": "03"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "Text",
            "value": "Life and Physical Sciences"
          }
        ]
      }
    },
    "CurriculumHierarchyLevel": {
      "Number": 4,
      "Name": "Unit",
      "Description": "http://www.compasslearning.com/hierarchy004"
    },
    "PredecessorObjects": {
      "CurriculumStructureRefId": [
        "3DD3294A068EC899EE586A6FEFFCF0EB"
      ]
    },
    "LearningObjectives": {
      "LearningObjective": [
        "Teach students about the basics of cellular structure and lifecycle."
      ]
    },
    "ComponentObjects": {
      "ComponentObject": [
        {
          "SIF_RefObject": "Lesson",
          "value": "3DD3294A068EC899EE586A6FEFFCF0EB"
        },
        {
          "SIF_RefObject": "Lesson",
          "value": "8838B02258673F0094E5B426E59C26BC"
        },
        {
          "SIF_RefObject": "Lesson",
          "value": "D41D8CD98F00B204E9800998ECF8427E"
        },
        {
          "SIF_RefObject": "Lesson",
          "value": "DC3076B304B838BF11AF723DD7D4AED7"
        }
      ]
    },
    "LearningStandards": {
      "LearningStandardItemRefId": [
        "141216334645D859E2CA255B1C3BBD91"
      ]
    }
  }
}
```


XML


```
<CurriculumStructure RefId="B364631190F169CD8E3DF2BA2537EC8B" xml:lang="en">
  <Titles>
    <Title>Cellular Concepts</Title>
  </Titles>
  <Description>Reviews basic concepts in Cellular Biology</Description>
  <SubjectArea>
    <Code>03</Code>
    <OtherCodeList>
      <OtherCode Codeset="Text">Life and Physical Sciences</OtherCode>
    </OtherCodeList>
  </SubjectArea>
  <CurriculumHierarchyLevel>
    <Number>4</Number>
    <Name>Unit</Name>
    <Description>http://www.compasslearning.com/hierarchy004</Description>
  </CurriculumHierarchyLevel>
  <PredecessorObjects>
    <CurriculumStructureRefId>3DD3294A068EC899EE586A6FEFFCF0EB</CurriculumStructureRefId>
  </PredecessorObjects>
  <LearningObjectives>
    <LearningObjective>Teach students about the basics of cellular structure and lifecycle.</LearningObjective>
  </LearningObjectives>
  <ComponentObjects>
    <ComponentObject SIF_RefObject="Lesson">3DD3294A068EC899EE586A6FEFFCF0EB</ComponentObject>
    <ComponentObject SIF_RefObject="Lesson">8838B02258673F0094E5B426E59C26BC</ComponentObject>
    <ComponentObject SIF_RefObject="Lesson">D41D8CD98F00B204E9800998ECF8427E</ComponentObject>
    <ComponentObject SIF_RefObject="Lesson">DC3076B304B838BF11AF723DD7D4AED7</ComponentObject>
  </ComponentObjects>
  <LearningStandards>
    <LearningStandardItemRefId>141216334645D859E2CA255B1C3BBD91</LearningStandardItemRefId>
  </LearningStandards>
</CurriculumStructure>
```


Example 3.11.4-1: CurriculumStructure

3.11.5 LearningResource

This object contains information related to learning resources that may be used in educational settings. These include textbooks, Internet content, educational software, videos and DVDs, supplemental print material, etc.

SIF_Events are reported for this object.

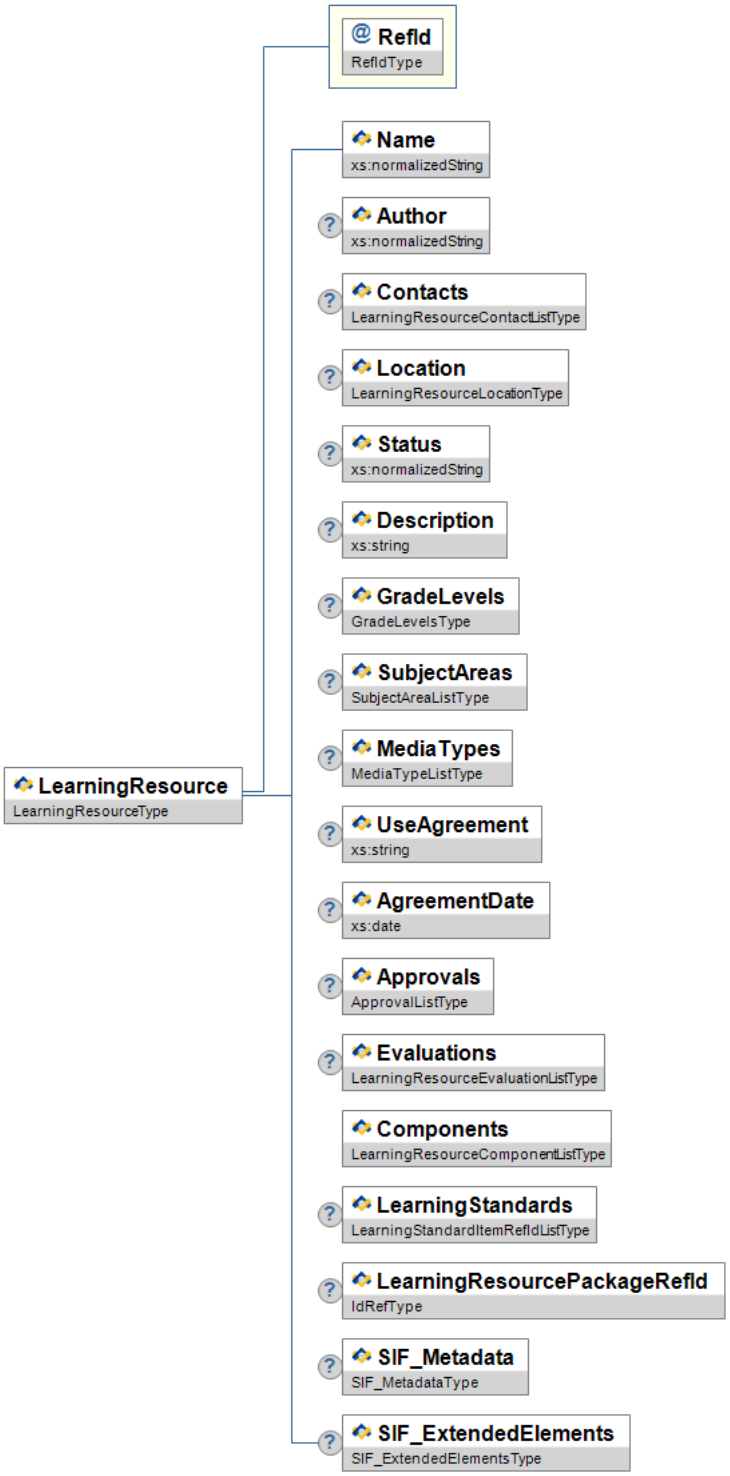


Figure 3.11.5-1: LearningResource

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningResource			This object contains information related to learning resources that may be used in educational settings. These include textbooks, Internet content, educational software, videos and DVDs, supplemental print material, etc.	
@	RefId	M		GUID assigned to this LearningResource.	RefIdType
	Name	M		Name of learning resource.	xs:normalizedString

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Author	O	000696 https://ceds.ed.gov/element/000696	Name of organization or company that created the resource.	xs:normalizedString
	Contacts	O		Contains contact information about resource authors.	LearningResourceContactListType
	Location	O		Description of location of resource, i.e. location in library or URL, community resource, outside resource supplier.	LearningResourceLocationType
	Status	O		Describes availability status of resource, e.g. "checked out."	xs:normalizedString
	Description	O	000697 https://ceds.ed.gov/element/000697	Description of the resource, e.g., "This textbook is intended for grade 4 social studies students and addresses..."	xs:string
	GradeLevels	O			GradeLevelsType
	SubjectAreas	O			SubjectAreaListType
	MediaTypes	O		Resource media types.	MediaTypeListType
	UseAgreement	O		Describes terms of use for resource.	xs:string
	AgreementDate	O		A date that defines the date of agreement.	xs:date
	Approvals	O		Authorizations to use this resource. For example, this resource may be included as part of the district's standard curriculum model.	ApprovalListType
	Evaluations	O		Evaluations/review of the resource.	LearningResourceEvaluationListType
	Components	M		Lesson or activity-sized portions of a resource.	LearningResourceComponentListType
	LearningStandards	O		References to LearningStandardItems.	LearningStandardItemRefIdListType
	LearningResourcePackageRefId	O		Reference to a `LearningResourcePackage`, a transport envelope for teaching and learning object files.	IdRefType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.11.5-1: LearningResource

JSON

```
{
  "LearningResource": {
    "RefId": "6938D88F82A37EFD88892429EC6AB1B5",
    "xml:lang": "en",
    "Name": "A World of Words (Teacher Reference Sheet)",
    "Author": "The Kennedy Center Arts Edge",
    "Contacts": {
      "Contact": [
        {
          "Address": {
            "Type": "0123",
            "Street": {
              "Line1": "The John F. Kennedy Center for the Performing Arts",
              "Line2": "2700 F Street, NW",
              "StreetNumber": "2700",
              "StreetName": "F",
              "StreetType": "Street",
              "StreetSuffix": "NW"
            },
            "City": "Washington",
            "County": "Cook",
            "StateProvince": {
              "value": "DC"
            },
            "Country": {
              "value": "US"
            },
            "PostalCode": "20566"
          },
          "PhoneNumber": {
            "Type": "0096",
            "Number": "(555) 555-1234"
          },
          "Email": {
            "Type": "Primary",
            "value": "info@kennedy-center.org"
          }
        }
      ]
    },
    "Location": {
      "ReferenceType": "URI",
      "value": "http://www.artsedge.kennedy-Center.org/teaching_materials/curricula/curric/86_u_dreams/489_words.pdf"
    },
    "Status": "Available",
    "Description": "Teacher Reference Sheet",
    "GradeLevels": {
      "GradeLevel": [
        {
          "Code": {
            "value": "03"
          }
        },
        {
          "Code": {
            "value": "04"
          }
        },
        {
          "Code": {
            "value": "05"
          }
        }
      ]
    },
    "SubjectAreas": {
      "SubjectArea": [
        {
          "Code": {
            "value": "01"
          },
          "OtherCodeList": {
            "OtherCode": [
              {
                "Codeset": "Text",
                "value": "English Language and Literature"
              }
            ]
          }
        }
      ]
    },
    "MediaTypes": {
      "MediaType": [
        "x-application/pdf"
      ]
    },
    "UseAgreement": "see http://www.artsedge.kennedycenter.org/teaching_materials/using/artsedge.html for the user aggreement",
    "AgreementDate": "2002-06-05",
    "Approvals": {
      "Approval": [
        {
          "Organization": "Our District Local Schools, Office of Curriculum and Planning",
          "Date": "2002-03-15"
        }
      ]
    },
    "Evaluations": {
      "Evaluation": [
        {
          "RefId": "F1BC63DFD02CCED654EF558E84904E01",
          "Description": "This resource addresses Washington State EALRs",
          "Date": "2001-06-15",
          "Name": {
            "Type": "02",
            "LastName": "Doe",
            "FirstName": "Joan"
          }
        }
      ]
    },
    "Components": {
      "Component": [
        {
          "Name": "Vocabulary",
          "Reference": "http://www.artsedge.kennedycenter.org/teaching_materials/curricula/curric/86_u_dreams/489_vocab.html",
          "Description": "\n            Students learn about social contexts such as nationality, culture, etc.\n          ",
          "Strategies": {
            "Strategy": [
              "Inquiry"
            ]
          },
          "AssociatedObjects": {
            "AssociatedObject": [
              {
                "SIF_RefObject": "Lesson",
                "value": "667A87E21B4B9470CE61568576DF921E"
              }
            ]
          }
        }
      ]
    }
```

```
    },
    "LearningStandards": {
      "LearningStandardItemRefId": [
        "D56D76D40F0B96916DA4CA2E230494E8",
        "DBCE64060B47E555A64AF7FCE6C1A4A9"
      ]
    },
    "LearningResourcePackageRefId": "6D254047C5E542CBB7921D03ED3BD894"
  }
}
```


XML


```
<LearningResource RefId="6938D88F82A37EFD88892429EC6AB1B5" xml:lang="en">
  <Name>A World of Words (Teacher Reference Sheet)</Name>
  <Author>The Kennedy Center Arts Edge</Author>
  <Contacts>
    <Contact>
      <Address Type="0123">
        <Street>
          <Line1>The John F. Kennedy Center for the Performing Arts</Line1>
          <Line2>2700 F Street, NW</Line2>
          <StreetNumber>2700</StreetNumber>
          <StreetName>F</StreetName>
          <StreetType>Street</StreetType>
          <StreetSuffix>NW</StreetSuffix>
        </Street>
        <City>Washington</City>
        <County>Cook</County>
        <StateProvince>DC</StateProvince>
        <Country>US</Country>
        <PostalCode>20566</PostalCode>
      </Address>
      <PhoneNumber Type="0096">
        <Number>(555) 555-1234</Number>
      </PhoneNumber>
      <Email Type="Primary">info@kennedy-center.org</Email>
    </Contact>
  </Contacts>
  <Location ReferenceType="URI">http://www.artsedge.kennedy-Center.org/teaching_materials/curricula/curric/86_u_dreams/489_words.pdf</Location>
  <Status>Available</Status>
  <Description>Teacher Reference Sheet</Description>
  <GradeLevels>
    <GradeLevel>
      <Code>03</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>04</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>05</Code>
    </GradeLevel>
  </GradeLevels>
  <SubjectAreas>
    <SubjectArea>
      <Code>01</Code>
      <OtherCodeList>
        <OtherCode Codeset="Text">English Language and Literature</OtherCode>
      </OtherCodeList>
    </SubjectArea>
  </SubjectAreas>
  <MediaTypes>
    <MediaType>x-application/pdf</MediaType>
  </MediaTypes>
  <UseAgreement>see http://www.artsedge.kennedycenter.org/teaching_materials/using/artsedge.html for the user aggreement</UseAgreement>
  <AgreementDate>2002-06-05</AgreementDate>
  <Approvals>
    <Approval>
      <Organization>Our District Local Schools, Office of Curriculum and Planning</Organization>
      <Date>2002-03-15</Date>
    </Approval>
  </Approvals>
  <Evaluations>
    <Evaluation RefId="F1BC63DFD02CCED654EF558E84904E01">
      <Description>This resource addresses Washington State EALRs</Description>
      <Date>2001-06-15</Date>
      <Name Type="02">
        <LastName>Doe</LastName>
        <FirstName>Joan</FirstName>
      </Name>
    </Evaluation>
  </Evaluations>
  <Components>
    <Component>
      <Name>Vocabulary</Name>
      <Reference>http://www.artsedge.kennedycenter.org/teaching_materials/curricula/curric/86_u_dreams/489_vocab.html</Reference>
      <Description>
           Students learn about social contexts such as nationality, culture, etc.
         </Description>
      <Strategies>
        <Strategy>Inquiry</Strategy>
      </Strategies>
      <AssociatedObjects>
        <AssociatedObject SIF_RefObject="Lesson">667A87E21B4B9470CE61568576DF921E</AssociatedObject>
      </AssociatedObjects>
    </Component>
  </Components>
  <LearningStandards>
    <LearningStandardItemRefId>D56D76D40F0B96916DA4CA2E230494E8</LearningStandardItemRefId>
    <LearningStandardItemRefId>DBCE64060B47E555A64AF7FCE6C1A4A9</LearningStandardItemRefId>
  </LearningStandards>
  <LearningResourcePackageRefId>6D254047C5E542CBB7921D03ED3BD894</LearningResourcePackageRefId>
</LearningResource>
```


Example 3.11.5-1: LearningResource

3.11.6 LearningResourcePackage

Many instructional applications in a SIF zone need to share teaching and learning objects. Curriculum planning applications, content repositories, learning management systems, etc.—all of these systems need to share instructional content utilizing the `LearningResource` object.

The `LearningResourcePackage` object provides a transport envelope to move these files across the SIF zone.

Note: With SIF Implementation Specification version 2.4 the choice element depicted in the diagram below has changed. In the XSD files, the choice element used to be rendered as a sequence of optional elements. Now, in the XSD files, the choice element is rendered as an xs:choice. This may cause problems with agents that treat the choice element as two optional elements rather than a choice of one and only one of the choices.

SIF_Events are not reported for this object.

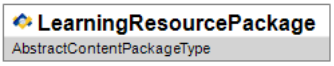


Figure 3.11.6-1: LearningResourcePackage

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningResourcePackage			A wrapper for any external learning content to be transmitted across a SIF Zone.	Extension of AbstractContentPackageType
@	RefId	M		The GUID that uniquely identifies an instance of the package.	RefIdType
	XMLData	C		Contains an arbitary XML element, encoded in UTF-8.	XMLDataType
	TextData	C		Contains arbitrary text, encoded in UTF-8.	TextDataType
	BinaryData	C		Contains the base64Binary encoding of binary or text data not encoded in UTF-8.	BinaryDataType
	Reference	C		References external content via a URL.	ReferenceType

Table 3.11.6-1: LearningResourcePackage

JSON

```
{
  "LearningResourcePackage": {
    "RefId": "C7DE86685968459FBF9FED22A0E1EA6E",
    "BinaryData": {
      "MIMEType": "text/plain",
      "value": "ab++"
    }
  }
}
```

XML

```
<LearningResourcePackage RefId="C7DE86685968459FBF9FED22A0E1EA6E">
  <BinaryData MIMEType="text/plain">ab++</BinaryData>
</LearningResourcePackage>
```

Example 3.11.6-1: LearningResourcePackage

3.11.7 LearningStandardAssociation

This object associates learning standards with particular learning resources.

SIF_Events are reported for this object.

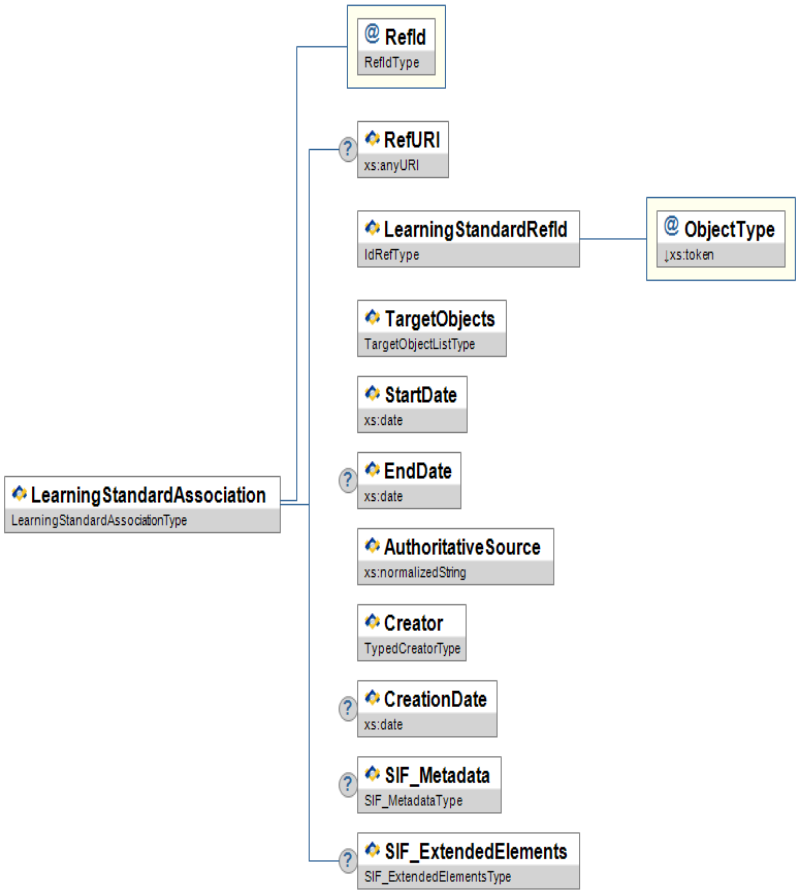


Figure 3.11.7-1: LearningStandardAssociation

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningStandardAssociation			This object associates learning standards with particular learning resources.	
@	RefId	M		The Id (GUID) that uniquely identifies this LearningStandardAssociation.	RefIdType
	RefURI	O		A URI that establishes uniqueness.	xs:anyURI
	LearningStandardRefId	M		A RefId that identifies a Learning Standard.	IdRefType
@	ObjectType	M		Declares whether the this RefId references a LearningStandardItem or a LearningStandardDocument	values: LearningStandardItem LearningStandardDocument
	TargetObjects	M		List of target objects for the learning standard linkage.	TargetObjectListType
	StartDate	M		Start date of the learning standard association.	xs:date
	EndDate	O		End date of the learning standard association.	xs:date
	AuthoritativeSource	M		Body or organization creating this association.	xs:normalizedString
	Creator	M		Name of the Creator of the relationship.	TypedCreatorType
	CreationDate	O		Creation date of the relationship.	xs:date
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.11.7-1: LearningStandardAssociation

JSON

```
{
  "LearningStandardAssociation": {
    "RefId": "869670E8540A43509515AFB767FADD9A",
    "LearningStandardRefId": {
      "ObjectType": "LearningStandardItem",
      "value": "DCE34B359D75101A8C3D00AA001A1652"
    },
    "TargetObjects": {
      "TargetObject": [
        {
          "ObjectType": "LearningResource",
          "SIF_RefId": "1947AB893C29F73910FEC3827A239CB1",
          "AssociationStrength": 1,
          "AssociationType": "prerequisite"
        },
        {
          "ObjectType": "LearningResource",
          "SIF_RefId": "DE072A87EFAD4B778AF9FAF83C94839E",
          "AssociationStrength": 0.5,
          "AssociationType": "predecessor"
        }
      ]
    },
    "StartDate": "2012-01-21",
    "EndDate": "2015-01-21",
    "AuthoritativeSource": "Math Department Curriculum 2012-2013",
    "Creator": {
      "Type": "StaffPersonal",
      "SIF_RefId": "1652D3E34F419D75101A8C3D00AA001A",
      "value": "Curriculum Director Halstead"
    },
    "CreationDate": "2011-11-20"
  }
}
```


XML


```
<LearningStandardAssociation RefId="869670E8540A43509515AFB767FADD9A">
  <LearningStandardRefId ObjectType="LearningStandardItem">DCE34B359D75101A8C3D00AA001A1652</LearningStandardRefId>
  <TargetObjects>
    <TargetObject ObjectType="LearningResource">
      <SIF_RefId>1947AB893C29F73910FEC3827A239CB1</SIF_RefId>
      <AssociationStrength>1</AssociationStrength>
      <AssociationType>prerequisite</AssociationType>
    </TargetObject>
    <TargetObject ObjectType="LearningResource">
      <SIF_RefId>DE072A87EFAD4B778AF9FAF83C94839E</SIF_RefId>
      <AssociationStrength>.5</AssociationStrength>
      <AssociationType>predecessor</AssociationType>
    </TargetObject>
  </TargetObjects>
  <StartDate>2012-01-21</StartDate>
  <EndDate>2015-01-21</EndDate>
  <AuthoritativeSource>Math Department Curriculum 2012-2013</AuthoritativeSource>
  <Creator Type="StaffPersonal" SIF_RefId="1652D3E34F419D75101A8C3D00AA001A">Curriculum Director Halstead</Creator>
  <CreationDate>2011-11-20</CreationDate>
</LearningStandardAssociation>
```


Example 3.11.7-1: LearningStandardAssociation Example

3.11.8 LearningStandardDocument

A curriculum standards document or the like published by a national, state, district, school site, professional association or other interested party. The LearningStandardDocument reflects an expectation of student work.

SIF_Events are reported for this object.

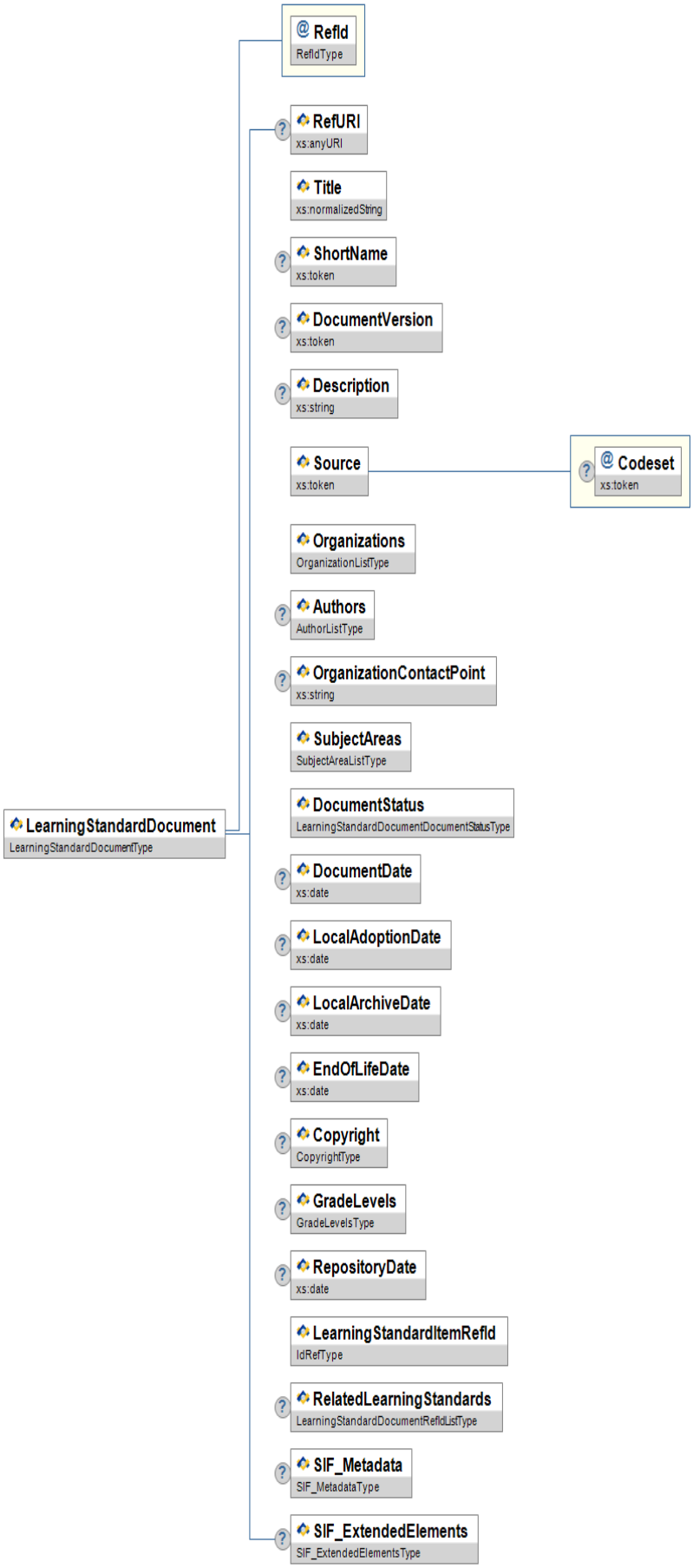


Figure 3.11.8-1: LearningStandardDocument

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningStandardDocument			A curriculum standards document or the like published by a national, state, district, school site, professional association or other interested party. The LearningStandardDocument reflects an expectation of student work.	
@	RefId	M		Id for the standards document	RefIdType
	RefURI	O		A URI that establishes uniqueness of the object instance.	xs:anyURI
	Title	M	000694 https://ceds.ed.gov/element/000694	Name of standard document, i.e., "Washington Essential Academic Learning Requirements."	xs:normalizedString
	ShortName	O		A short name for the document.	xs:token
	DocumentVersion	O		Identifies the version of the document that this object instance represents. Note that new versions of documents must generate new RefIds and therefore a new object instance. This element is immutable in that once the object has been published with a value (other than blank) it must never be changed.	xs:token
	Description	O		Description of the standards document.	xs:string
	Source	M		Defines source of standard document. This is the descriptive type of the organization listed in `Organization`. It serves to describe the type of the standards contained within the document.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Organizations	M		Names of organization represented by the document, i.e., "National Council of Teachers of Mathematics (NCTM)," "Washington," "Seattle School District."	OrganizationListType
	Authors	O		Name of the organization that authored the standards document, i.e. "Mid-Continent Research for Education & Learning (McREL)." May be the same as "Organization" above.	AuthorListType
	OrganizationContactPoint	O	000693 https://ceds.ed.gov/element/000693	A brief description of how to contact the organization maintaining the standards. It could be a phone number, email address, or URL.	xs:string
	SubjectAreas	M			SubjectAreaListType
	DocumentStatus	M			LearningStandardDocumentDocumentStatusType
	DocumentDate	O	000700 https://ceds.ed.gov/element/000700	The date the current status was achieved.	xs:date
	LocalAdoptionDate	O		The date the local organization adopted this standard document	xs:date

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LocalArchiveDate	O		The date the local organization stopped using this standard document and superseded by a new document.	xs:date
	EndOfLifeDate	O	000701 https://ceds.ed.gov/element/000701	This is the date that the governing organization retired this document.	xs:date
	Copyright	O		Copyright for document.	CopyrightType
	GradeLevels	O		SIF common GradeLevels element	GradeLevelsType
	RepositoryDate	O		Date document data was added to the repository	xs:date
	LearningStandardItemRefId	M		Link to the first/top LearningStandardItem in the standard hierarchy	IdRefType
	RelatedLearningStandards	O			LearningStandardDocumentRefIdListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.11.8-1: LearningStandardDocument

JSON

```
{
  "LearningStandardDocument": {
    "RefId": "A5A575C789175101B8E7F08ED123A823",
    "xml:lang": "en",
    "Title": "Washington Essential Academic Learning Requirements",
    "Description": "This document addresses high school English Language Arts",
    "Source": {
      "value": "State"
    },
    "Organizations": {
      "Organization": [
        "State of Washington"
      ]
    },
    "Authors": {
      "Author": [
        "McREL"
      ]
    },
    "OrganizationContactPoint": "http://www.mcrel.org",
    "SubjectAreas": {
      "SubjectArea": [
        {
          "Code": {
            "value": "01"
          },
          "OtherCodeList": {
            "OtherCode": [
              {
                "Codeset": "Text",
                "value": "English Language and Literature"
              }
            ]
          }
        }
      ]
    },
    "DocumentStatus": {
      "value": "Adopted"
    },
    "DocumentDate": "2001-04-15",
    "LocalAdoptionDate": "2002-01-06",
    "EndOfLifeDate": "2003-04-15",
    "Copyright": {
      "Date": "2001-02-05",
      "Holder": "State of Washington"
    },
    "GradeLevels": {
      "GradeLevel": [
        {
          "Code": {
            "value": "09"
          }
        },
        {
          "Code": {
            "value": "10"
          }
        },
        {
          "Code": {
            "value": "11"
          }
        },
        {
          "Code": {
            "value": "12"
          }
        }
      ]
    },
    "RepositoryDate": "2001-04-15",
    "LearningStandardItemRefId": "B7D26D789139214A8C7F08EA123A8234",
    "RelatedLearningStandards": {
      "LearningStandardDocumentRefId": [
        "B216162FC98D202E62A64D53C991A25A"
      ]
    }
  }
}
```


XML

```
<LearningStandardDocument RefId="A5A575C789175101B8E7F08ED123A823" xml:lang="en">
  <Title>Washington Essential Academic Learning Requirements</Title>
  <Description>This document addresses high school English Language Arts</Description>
  <Source>State</Source>
  <Organizations>
    <Organization>State of Washington</Organization>
  </Organizations>
  <Authors>
    <Author>McREL</Author>
  </Authors>
  <OrganizationContactPoint>http://www.mcrel.org</OrganizationContactPoint>
  <SubjectAreas>
    <SubjectArea>
      <Code>01</Code>
      <OtherCodeList>
        <OtherCode Codeset="Text">English Language and Literature</OtherCode>
      </OtherCodeList>
    </SubjectArea>
  </SubjectAreas>
  <DocumentStatus>Adopted</DocumentStatus>
  <DocumentDate>2001-04-15</DocumentDate>
  <LocalAdoptionDate>2002-01-06</LocalAdoptionDate>
  <EndOfLifeDate>2003-04-15</EndOfLifeDate>
  <Copyright>
    <Date>2001-02-05</Date>
    <Holder>State of Washington</Holder>
  </Copyright>
  <GradeLevels>
    <GradeLevel>
      <Code>09</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>10</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>11</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>12</Code>
    </GradeLevel>
  </GradeLevels>
  <RepositoryDate>2001-04-15</RepositoryDate>
  <LearningStandardItemRefId>B7D26D789139214A8C7F08EA123A8234</LearningStandardItemRefId>
  <RelatedLearningStandards>
    <LearningStandardDocumentRefId>B216162FC98D202E62A64D53C991A25A</LearningStandardDocumentRefId>
  </RelatedLearningStandards>
</LearningStandardDocument>
```

Example 3.11.8-1: LearningStandardDocument

3.11.9 LearningStandardItem

This object contains information related to curriculum standards statements "standards" or "benchmarks" or the like within the document. This object primarily focuses upon state department curriculum standards, published curriculum standards and local education agency learning standards. Each LearningStandardItem reflects an individual standard statement and may occur at several levels within a hierarchially structured document.

SIF_Events are reported for this object.

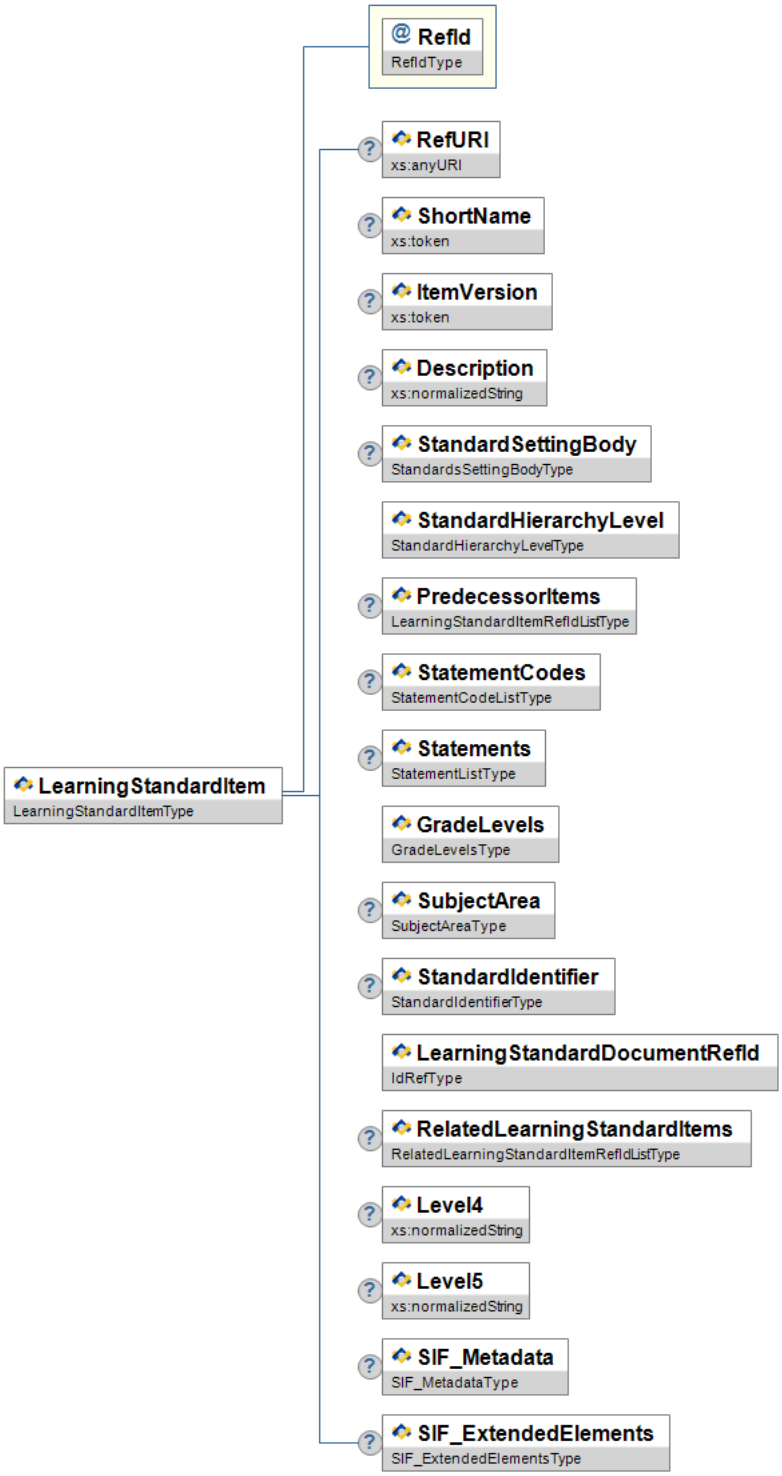


Figure 3.11.9-1: LearningStandardItem

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningStandardItem			This object contains information related to curriculum standards statements "standards" or "benchmarks" or the like within the document. This object primarily focuses upon state department curriculum standards, published curriculum standards and local education agency learning standards. Each LearningStandardItem reflects an individual standard statement and may occur at several levels within a hierarchially structured document.	
@	RefId	M	002616 https://ceds.ed.gov/element/002616	GUID assigned to each statement at each level within the document hierarchy	RefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RefURI	O	000689 https://ceds.ed.gov/element/000689	A URI that establishes uniqueness of the object instance.	xs:anyURI
	ShortName	O		A short name for the item.	xs:token
	ItemVersion	O	000695 https://ceds.ed.gov/element/000695	Identifies the version of the item that this object instance represents. Note that new versions of items must generate new RefIds and therefore a new object instance. This element is immutable in that once the object has been published with a value (other than blank) it must never be changed.	xs:token
	Description	O	000691 https://ceds.ed.gov/element/000691	A text description of the item.	xs:normalizedString
	StandardSettingBody	O		The name of the state or organization that authored and manages updates to the standards document (i.e., NCTM, Ohio Department of Education).	StandardsSettingBodyType
	StandardHierarchyLevel	M		Description of hierarchical level within standards tree.	StandardHierarchyLevelType
	PredecessorItems	O		GUID assigned to the LearningStandardItem directly above it in the hierarchy tree. This is a repeatable element because a single granular item may relate to multiple parent levels of the hierarchy.	LearningStandardItemRefIdListType
	StatementCodes	O		An alphanumeric Id code as defined by the organization to identify the statement.	StatementCodeListType
	Statements	O		The text of the "standard," or "benchmark."	StatementListType
	GradeLevels	M			GradeLevelsType
	SubjectArea	O			SubjectAreaType
	StandardIdentifier	O		This element describes the unique identifier for each LearningStandard.	StandardIdentifierType
	LearningStandardDocumentRefId	M		The RefId of the item's parent LearningStandardDocument.	IdRefType
	RelatedLearningStandardItems	O		Container for external relationships.	RelatedLearningStandardItemRefIdListType
	Level4	O		This element has been deprecated as of version 2.6. Use of this element is not recommended. ~~This is the second to most granular level of the learning or performance standard associated with the grade level.~~	xs:normalizedString
	Level5	O		This element has been deprecated as of version 2.6. Use of this element is not recommended. ~~This is the most granular level of the learning or performance standard associated with the grade level.~~	xs:normalizedString

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.11.9-1: LearningStandardItem

JSON

```
{
  "LearningStandardItem": {
    "RefId": "A5D75F789175101B8C7E08EA123A8234",
    "xml:lang": "en",
    "StandardSettingBody": {
      "Country": {
        "value": "US"
      },
      "StateProvince": {
        "value": "OH"
      },
      "SettingBodyName": "Ohio Department of Education"
    },
    "StandardHierarchyLevel": {
      "Number": 3,
      "Description": "Indicator"
    },
    "PredecessorItems": {
      "LearningStandardItemRefId": [
        "DE072A87EFAD4B778AF9FAF83C94839E"
      ]
    },
    "StatementCodes": {
      "StatementCode": [
        "Mathematics.2.03.a"
      ]
    },
    "Statements": {
      "Statement": [
        "Counting from 0 to 100 using whole numbers"
      ]
    },
    "GradeLevels": {
      "GradeLevel": [
        {
          "Code": {
            "value": "04"
          }
        },
        {
          "Code": {
            "value": "05"
          }
        }
      ]
    },
    "SubjectArea": {
      "Code": {
        "value": "52"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "Text",
            "value": "Mathematics"
          }
        ]
      }
    },
    "StandardIdentifier": {
      "YearCreated": "2003",
      "SubjectArea": {
        "Code": {
          "value": "02"
        },
        "OtherCodeList": {
          "OtherCode": [
            {
              "Codeset": "Text",
              "value": "Mathematics"
            }
          ]
        }
      },
      "StandardNumber": "04",
      "GradeLevels": {
        "GradeLevel": [
          {
            "Code": {
              "value": "05"
            }
          },
          {
            "Code": {
              "value": "06"
            }
          },
          {
            "Code": {
              "value": "07"
            }
          }
        ]
      },
      "Benchmark": "C",
      "GradeLevel": {
        "Code": {
          "value": "06"
        }
      },
      "IndicatorNumber": "06",
      "Organization": "National Council of Teachers of Mathematics (NCTM)"
    },
    "LearningStandardDocumentRefId": "8454189F6BBC26C6B97DDB4B6D0E3AC8",
    "RelatedLearningStandardItems": {
      "LearningStandardItemRefId": [
        {
          "RelationshipType": "Content",
          "value": "869670E8540A43509515AFB767FADD9A"
        },
        {
          "RelationshipType": "State",
          "value": "B14FDAB437CA4565A9765A5B824545C4"
        },
        {
          "RelationshipType": "PD",
          "value": "D5440A11F5A44AC1920261ECBE5A29F6"
        }
      ]
    }
  }
}
```


XML

```
<LearningStandardItem RefId="A5D75F789175101B8C7E08EA123A8234" xml:lang="en">
  <StandardSettingBody>
    <Country>US</Country>
    <StateProvince>OH</StateProvince>
    <SettingBodyName>Ohio Department of Education</SettingBodyName>
  </StandardSettingBody>
  <StandardHierarchyLevel>
    <Number>3</Number>
    <Description>Indicator</Description>
  </StandardHierarchyLevel>
  <PredecessorItems>
    <LearningStandardItemRefId>DE072A87EFAD4B778AF9FAF83C94839E</LearningStandardItemRefId>
  </PredecessorItems>
  <StatementCodes>
    <StatementCode>Mathematics.2.03.a</StatementCode>
  </StatementCodes>
  <Statements>
    <Statement>Counting from 0 to 100 using whole numbers</Statement>
  </Statements>
  <GradeLevels>
    <GradeLevel>
      <Code>04</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>05</Code>
    </GradeLevel>
  </GradeLevels>
  <SubjectArea>
    <Code>52</Code>
    <OtherCodeList>
      <OtherCode Codeset="Text">Mathematics</OtherCode>
    </OtherCodeList>
  </SubjectArea>
  <StandardIdentifier>
    <YearCreated>2003</YearCreated>
    <SubjectArea>
      <Code>02</Code>
      <OtherCodeList>
        <OtherCode Codeset="Text">Mathematics</OtherCode>
      </OtherCodeList>
    </SubjectArea>
    <StandardNumber>04</StandardNumber>
    <GradeLevels>
      <GradeLevel>
        <Code>05</Code>
      </GradeLevel>
      <GradeLevel>
        <Code>06</Code>
      </GradeLevel>
      <GradeLevel>
        <Code>07</Code>
      </GradeLevel>
    </GradeLevels>
    <Benchmark>C</Benchmark>
    <GradeLevel>
      <Code>06</Code>
    </GradeLevel>
    <IndicatorNumber>06</IndicatorNumber>
    <Organization>National Council of Teachers of Mathematics (NCTM)</Organization>
  </StandardIdentifier>
  <LearningStandardDocumentRefId>8454189F6BBC26C6B97DDB4B6D0E3AC8</LearningStandardDocumentRefId>
  <RelatedLearningStandardItems>
    <LearningStandardItemRefId RelationshipType="Content">869670E8540A43509515AFB767FADD9A</LearningStandardItemRefId>
    <LearningStandardItemRefId RelationshipType="State">B14FDAB437CA4565A9765A5B824545C4</LearningStandardItemRefId>
    <LearningStandardItemRefId RelationshipType="PD">D5440A11F5A44AC1920261ECBE5A29F6</LearningStandardItemRefId>
  </RelatedLearningStandardItems>
</LearningStandardItem>
```

Example 3.11.9-1: LearningStandardItem - Example 1

JSON

```
{
  "LearningStandardItem": {
    "RefId": "A5D75F789175101B8C7E08EA123A8234",
    "xml:lang": "en",
    "StandardSettingBody": {
      "Country": {
        "value": "US"
      },
      "StateProvince": {
        "value": "OH"
      },
      "SettingBodyName": "Ohio Department of Education"
    },
    "StandardHierarchyLevel": {
      "Number": 3,
      "Description": "Indicator"
    },
    "PredecessorItems": {
      "LearningStandardItemRefId": [
        "DE072A87EFAD4B778AF9FAF83C94839E"
      ]
    },
    "StatementCodes": {
      "StatementCode": [
        "Mathematics.2.03.a"
      ]
    },
    "Statements": {
      "Statement": [
        "Counting from 0 to 100 using whole numbers"
      ]
    },
    "GradeLevels": {
      "GradeLevel": [
        {
          "Code": {
            "value": "04"
          }
        },
        {
          "Code": {
            "value": "05"
          }
        }
      ]
    },
    "SubjectArea": {
      "Code": {
        "value": "52"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "Text",
            "value": "Mathematics"
          }
        ]
      }
    },
    "StandardIdentifier": {
      "YearCreated": "2003",
      "SubjectArea": {
        "Code": {
          "value": "02"
        },
        "OtherCodeList": {
          "OtherCode": [
            {
              "Codeset": "Text",
              "value": "Mathematics"
            }
          ]
        }
      },
      "StandardNumber": "04",
      "GradeLevels": {
        "GradeLevel": [
          {
            "Code": {
              "value": "05"
            }
          },
          {
            "Code": {
              "value": "06"
            }
          },
          {
            "Code": {
              "value": "07"
            }
          }
        ]
      },
      "Benchmark": "C",
      "GradeLevel": {
        "Code": {
          "value": "06"
        }
      },
      "IndicatorNumber": "06",
      "Organization": "National Council of Teachers of Mathematics (NCTM)"
    },
    "LearningStandardDocumentRefId": "8454189F6BBC26C6B97DDB4B6D0E3AC8",
    "RelatedLearningStandardItems": {
      "LearningStandardItemRefId": [
        {
          "RelationshipType": "Content",
          "value": "869670E8540A43509515AFB767FADD9A"
        },
        {
          "RelationshipType": "State",
          "value": "B14FDAB437CA4565A9765A5B824545C4"
        },
        {
          "RelationshipType": "PD",
          "value": "D5440A11F5A44AC1920261ECBE5A29F6"
        }
      ]
    },
    "Level4": "b",
    "Level5": "1"
  }
}
```


XML

```
<LearningStandardItem RefId="A5D75F789175101B8C7E08EA123A8234" xml:lang="en">
  <StandardSettingBody>
    <Country>US</Country>
    <StateProvince>OH</StateProvince>
    <SettingBodyName>Ohio Department of Education</SettingBodyName>
  </StandardSettingBody>
  <StandardHierarchyLevel>
    <Number>3</Number>
    <Description>Indicator</Description>
  </StandardHierarchyLevel>
  <PredecessorItems>
    <LearningStandardItemRefId>DE072A87EFAD4B778AF9FAF83C94839E</LearningStandardItemRefId>
  </PredecessorItems>
  <StatementCodes>
    <StatementCode>Mathematics.2.03.a</StatementCode>
  </StatementCodes>
  <Statements>
    <Statement>Counting from 0 to 100 using whole numbers</Statement>
  </Statements>
  <GradeLevels>
    <GradeLevel>
      <Code>04</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>05</Code>
    </GradeLevel>
  </GradeLevels>
  <SubjectArea>
    <Code>52</Code>
    <OtherCodeList>
      <OtherCode Codeset="Text">Mathematics</OtherCode>
    </OtherCodeList>
  </SubjectArea>
  <StandardIdentifier>
    <YearCreated>2003</YearCreated>
    <SubjectArea>
      <Code>02</Code>
      <OtherCodeList>
        <OtherCode Codeset="Text">Mathematics</OtherCode>
      </OtherCodeList>
    </SubjectArea>
    <StandardNumber>04</StandardNumber>
    <GradeLevels>
      <GradeLevel>
        <Code>05</Code>
      </GradeLevel>
      <GradeLevel>
        <Code>06</Code>
      </GradeLevel>
      <GradeLevel>
        <Code>07</Code>
      </GradeLevel>
    </GradeLevels>
    <Benchmark>C</Benchmark>
    <GradeLevel>
      <Code>06</Code>
    </GradeLevel>
    <IndicatorNumber>06</IndicatorNumber>
    <Organization>National Council of Teachers of Mathematics (NCTM)</Organization>
  </StandardIdentifier>
  <LearningStandardDocumentRefId>8454189F6BBC26C6B97DDB4B6D0E3AC8</LearningStandardDocumentRefId>
  <RelatedLearningStandardItems>
    <LearningStandardItemRefId RelationshipType="Content">869670E8540A43509515AFB767FADD9A</LearningStandardItemRefId>
    <LearningStandardItemRefId RelationshipType="State">B14FDAB437CA4565A9765A5B824545C4</LearningStandardItemRefId>
    <LearningStandardItemRefId RelationshipType="PD">D5440A11F5A44AC1920261ECBE5A29F6</LearningStandardItemRefId>
  </RelatedLearningStandardItems>
  <Level4>b</Level4>
  <Level5>1</Level5>
</LearningStandardItem>
```

Example 3.11.9-2: LearningStandardItem - Example 2

3.11.10 Lesson

A series of Activities and LearningResources tied together under a particular topic or period of time to deliver a particular educational concept or skill.

SIF_Events are reported for this object.

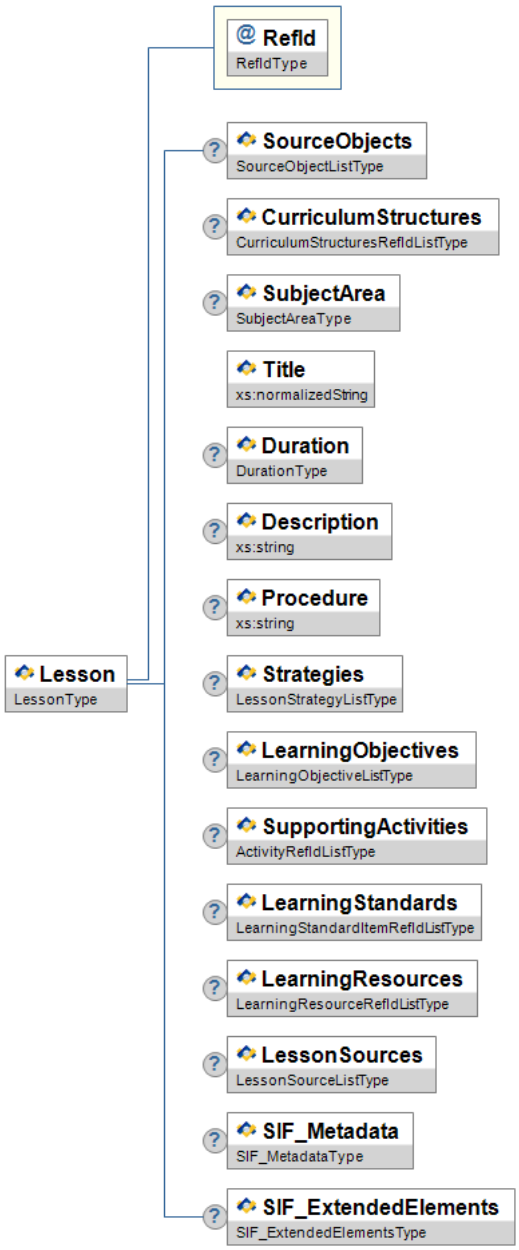


Figure 3.11.10-1: Lesson

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Lesson			A series of Activities and LearningResources tied together under a particular topic or period of time to deliver a particular educational concept or skill.	
@	RefId	M			RefIdType
	SourceObjects	O		Reference to the source objects.	SourceObjectListType
	CurriculumStructures	O		GUID references to the parent CurriculumStructure object of this Lesson.	CurriculumStructuresRefIdListType
	SubjectArea	O			SubjectAreaType
	Title	M		Name of lesson.	xs:normalizedString
	Duration	O		Desired duration of the lesson	DurationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Description	O		Description of the lesson plan.	xs:string
	Procedure	O		Text field to describe how to use and implement the lesson.	xs:string
	Strategies	O		Teaching strategies used in this lesson plan.	LessonStrategyListType
	LearningObjectives	O		Description of learning objective(s) for this lesson, i.e., "Student will be able to use Pythagorean Theorem."—equates to 'benchmark' or 'goal' or other terminology	LearningObjectiveListType
	SupportingActivities	O		Links to Activity objects that may support the lesson	ActivityRefIdListType
	LearningStandards	O		Link to associated LearningStandardItems. This allows for a single Lesson to be aligned to multiple standard statements.	LearningStandardItemRefIdListType
	LearningResources	O		Links to aligned LearningResource objects.	LearningResourceRefIdListType
	LessonSources	O		One or more sources for the lesson. This describes the lesson's origin.	LessonSourceListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.11.10-1: Lesson

JSON

```
{
  "Lesson": {
    "RefId": "6A6151B83273F352228C6411D0F09218",
    "xml:lang": "en",
    "SourceObjects": {
      "SourceObject": [
        {
          "SIF_RefObject": "Assessment",
          "value": "538A805BCFA442AFBC30BA300309F5B1"
        }
      ]
    },
    "CurriculumStructures": {
      "CurriculumStructureRefId": [
        "7301432402827BAA27A48A3374F774D7"
      ]
    },
    "SubjectArea": {
      "Code": {
        "value": "02"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "Text",
            "value": "Principals of Algebra and Geometry"
          }
        ]
      }
    },
    "Title": "Spatial Relations",
    "Duration": {
      "Units": "minute",
      "value": 85
    },
    "Description": "Fundamentals of Plane Geometry: Right angle triangles and the Pythagorean Theorem",
    "Procedure": "This lesson should only be done outside in a non-flammable area.",
    "Strategies": {
      "Strategy": [
        "Group Participation"
      ]
    },
    "LearningObjectives": {
      "LearningObjective": [
        "Student will be able to use Pythagorean Theorem to calculate the perimeter of a triangle."
      ]
    },
    "SupportingActivities": {
      "ActivityRefId": [
        "A41FAAC3081441E1E5591B7A76A3E543",
        "D6B804025B22FB58C8F5DB44B36B8CB3"
      ]
    },
    "LearningStandards": {
      "LearningStandardItemRefId": [
        "2CB2A0EB86A9C174E883CD1F316DAECD"
      ]
    },
    "LearningResources": {
      "LearningResourceRefId": [
        "6CACAFE29BEC1941D8348612DDDBEA13",
        "DB7AAD3B2610D2AF8F5A131F203FE7CF",
        "2975C9FE99B559F3D75D78750444C979"
      ]
    },
    "LessonSources": {
      "LessonSource": [
        {
          "Author": [
            {
              "Name": {
                "Type": "02",
                "Prefix": "Mr.",
                "LastName": "Woodall",
                "FirstName": "Charles",
                "MiddleName": "William",
                "PreferredName": "Chuck"
              },
              "Organization": "NCTM",
              "Address": {
                "Type": "0123",
                "Street": {
                  "Line1": "1 IBM Plaza",
                  "Line2": "Suite 2000",
                  "StreetNumber": "1",
                  "StreetName": "IBM",
                  "StreetType": "Plaza",
                  "ApartmentType": "Suite",
                  "ApartmentNumber": "2000"
                },
                "City": "Chicago",
                "County": "Cook",
                "StateProvince": {
                  "value": "IL"
                },
                "Country": {
                  "value": "US"
                },
                "PostalCode": "60611"
              },
              "Email": {
                "Type": "Primary",
                "value": "chuckw@imginc.com"
              }
            }
          ]
        }
      ]
    }
  }
}
```


XML

```
<Lesson RefId="6A6151B83273F352228C6411D0F09218" xml:lang="en">
  <SourceObjects>
    <SourceObject SIF_RefObject="Assessment">538A805BCFA442AFBC30BA300309F5B1</SourceObject>
  </SourceObjects>
  <CurriculumStructures>
    <CurriculumStructureRefId>7301432402827BAA27A48A3374F774D7</CurriculumStructureRefId>
  </CurriculumStructures>
  <SubjectArea>
    <Code>02</Code>
    <OtherCodeList>
      <OtherCode Codeset="Text">Principals of Algebra and Geometry</OtherCode>
    </OtherCodeList>
  </SubjectArea>
  <Title>Spatial Relations</Title>
  <Duration Units="minute">85</Duration>
  <Description>Fundamentals of Plane Geometry: Right angle triangles and the Pythagorean Theorem</Description>
  <Procedure>This lesson should only be done outside in a non-flammable area.</Procedure>
  <Strategies>
    <Strategy>Group Participation</Strategy>
  </Strategies>
  <LearningObjectives>
    <LearningObjective>Student will be able to use Pythagorean Theorem to calculate the perimeter of a triangle.</LearningObjective>
  </LearningObjectives>
  <SupportingActivities>
    <ActivityRefId>A41FAAC3081441E1E5591B7A76A3E543</ActivityRefId>
    <ActivityRefId>D6B804025B22FB58C8F5DB44B36B8CB3</ActivityRefId>
  </SupportingActivities>
  <LearningStandards>
    <LearningStandardItemRefId>2CB2A0EB86A9C174E883CD1F316DAECD</LearningStandardItemRefId>
  </LearningStandards>
  <LearningResources>
    <LearningResourceRefId>6CACAFE29BEC1941D8348612DDDBEA13</LearningResourceRefId>
    <LearningResourceRefId>DB7AAD3B2610D2AF8F5A131F203FE7CF</LearningResourceRefId>
    <LearningResourceRefId>2975C9FE99B559F3D75D78750444C979</LearningResourceRefId>
  </LearningResources>
  <LessonSources>
    <LessonSource>
      <Author>
        <Name Type="02">
          <Prefix>Mr.</Prefix>
          <LastName>Woodall</LastName>
          <FirstName>Charles</FirstName>
          <MiddleName>William</MiddleName>
          <PreferredName>Chuck</PreferredName>
        </Name>
        <Organization>NCTM</Organization>
        <Address Type="0123">
          <Street>
            <Line1>1 IBM Plaza</Line1>
            <Line2>Suite 2000</Line2>
            <StreetNumber>1</StreetNumber>
            <StreetName>IBM</StreetName>
            <StreetType>Plaza</StreetType>
            <ApartmentType>Suite</ApartmentType>
            <ApartmentNumber>2000</ApartmentNumber>
          </Street>
          <City>Chicago</City>
          <County>Cook</County>
          <StateProvince>IL</StateProvince>
          <Country>US</Country>
          <PostalCode>60611</PostalCode>
        </Address>
        <Email Type="Primary">chuckw@imginc.com</Email>
      </Author>
    </LessonSource>
  </LessonSources>
</Lesson>
```

Example 3.11.10-1: Lesson

3.11.11 PersonRoleAssociation

This object contains personal information about individuals to allow them to be tracked and information collected in role specific objects (e.g., StudentPersonal and StaffPersonal) to be related. In a future major release, the architecture may allow this to be streamlined..

SIF_Events are reported for this object.

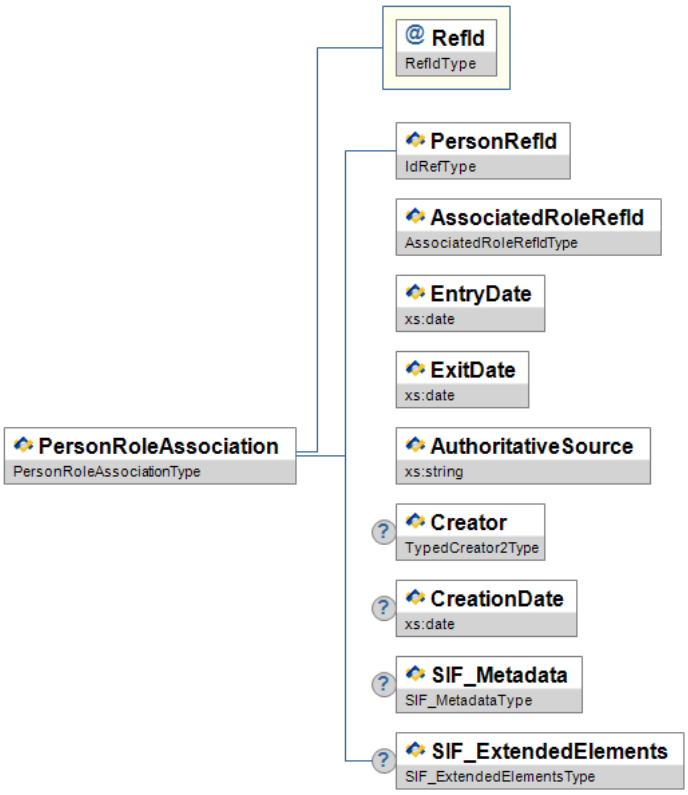


Figure 3.11.11-1: PersonRoleAssociation

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PersonRoleAssociation			This object contains personal information about individuals to allow them to be tracked and information collected in role specific objects (e.g., StudentPersonal and StaffPersonal) to be related. In a future major release, the architecture may allow this to be streamlined..	
@	RefId	M		The RefId of the PersonRoleAssociation object.	RefIdType
	PersonRefId	M		The GUID of the person.	IdRefType
	AssociatedRoleRefId	M		The RefId of the *Personal SIF_Object representing this Person's role .	AssociatedRoleRefIdType
	EntryDate	M		Effective start date of the association.	xs:date
	ExitDate	M		Effective end date of the association.	xs:date
	AuthoritativeSource	M		Body or organization creating this association.	xs:string
	Creator	O		Name of the Creator of this association.	TypedCreator2Type
	CreationDate	O		Creation date of the relationship.	xs:date
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.11.11-1: PersonRoleAssociation

JSON

```
{
  "PersonRoleAssociation": {
    "RefId": "F260716384746B387459000F84717C00",
    "PersonRefId": "F260716384746B387459000F84717C00",
    "AssociatedRoleRefId": {
      "Zone_Id": "zone.bostonpublicschools.com",
      "Type": "StaffPersonal",
      "value": "D3E34B359D75101A8C3D00AA001A1652"
    },
    "EntryDate": "2012-01-21",
    "ExitDate": "2015-01-21",
    "AuthoritativeSource": "BPS Identity Manager",
    "Creator": {
      "Type": "StaffPersonal",
      "SIF_RefId": "C3E34B359D75101A8C3D00AA001A1652",
      "value": "Principal Ozymandias"
    },
    "CreationDate": "2011-11-20"
  }
}
```


XML


```
<PersonRoleAssociation RefId="F260716384746B387459000F84717C00">
  <PersonRefId>F260716384746B387459000F84717C00</PersonRefId>
  <AssociatedRoleRefId Zone_Id="zone.bostonpublicschools.com" Type="StaffPersonal">D3E34B359D75101A8C3D00AA001A1652</AssociatedRoleRefId>
  <EntryDate>2012-01-21</EntryDate>
  <ExitDate>2015-01-21</ExitDate>
  <AuthoritativeSource>BPS Identity Manager</AuthoritativeSource>
  <Creator Type="StaffPersonal" SIF_RefId="C3E34B359D75101A8C3D00AA001A1652">Principal Ozymandias</Creator>
  <CreationDate>2011-11-20</CreationDate>
</PersonRoleAssociation>
```


Example 3.11.11-1: PersonRoleAssociation

3.11.12 ResponseToIntervention

Response to Intervention (RTI) is a multi-tier approach to the early identification and assistance of students who are having learning and/or behavioral needs. The process includes intervention, frequent progress measurement, and research-based instructional interventions for students. This object represents the information that describes the Response to Intervention. Multiple ResponsetoIntervention objects may be created for an individual student.

SIF_Events are reported for this object.

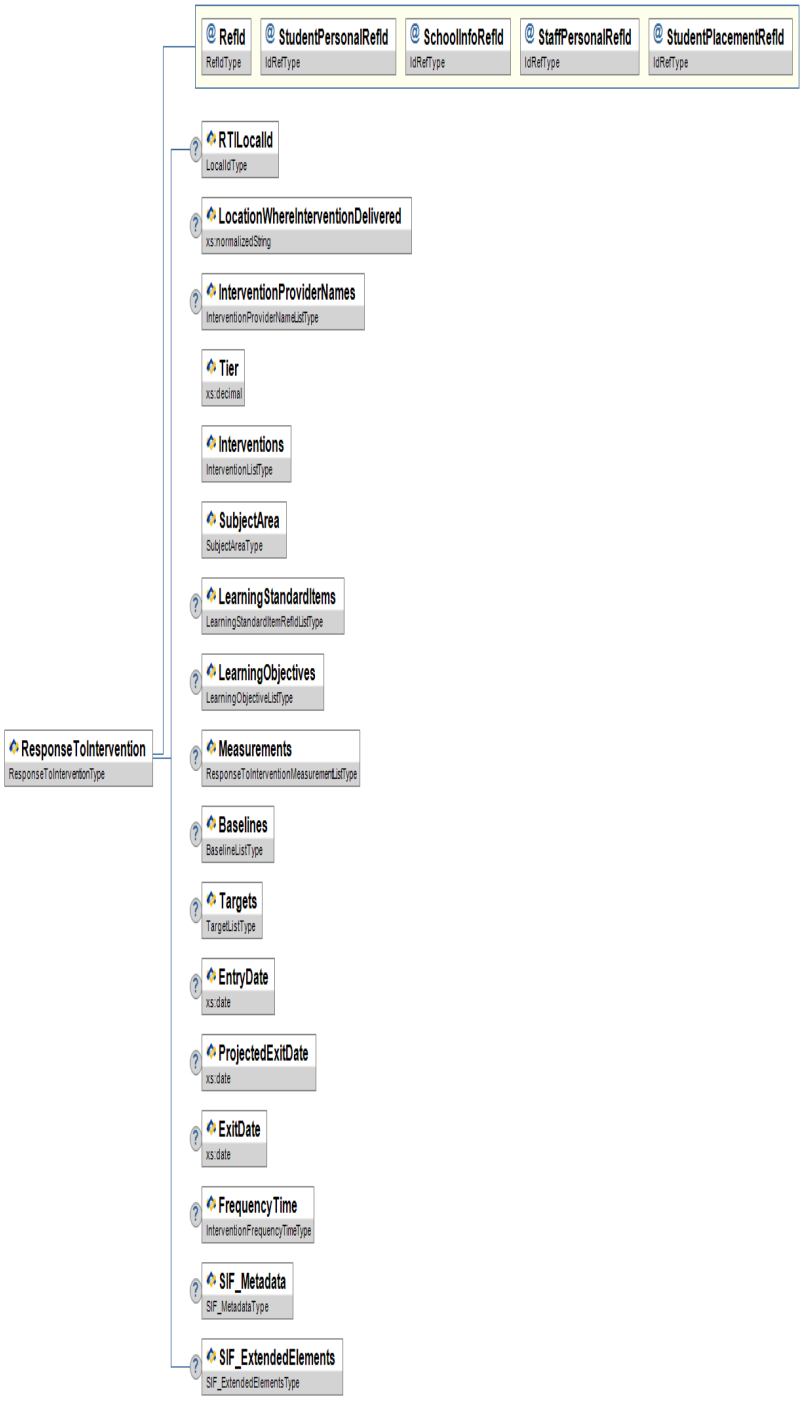


Figure 3.11.12-1: ResponseToIntervention

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ResponseToIntervention			Response to Intervention (RTI) is a multi-tier approach to the early identification and assistance of students who are having learning and/or behavioral needs. The process includes intervention, frequent progress measurement, and research-based instructional interventions for students. This object represents the information that describes the Response to Intervention. Multiple ResponsetoIntervention objects may be created for an individual student.	
@	RefId	M		The Id (GUID) that uniquely identifies a particular Response to Intervention.	RefIdType
@	StudentPersonalRefId	M		The Id (GUID) of the student to whom this intervention is being administered.	IdRefType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	SchoolInfoRefId	M		The Id (GUID) of the school to which this intervention applies.	IdRefType
@	StaffPersonalRefId	M		The Id (GUID) of the staff member who is administering this intervention.	IdRefType
@	StudentPlacementRefId	M		The Id (GUID) that references the StudentPlacement Object that contains information that describes a specific instructional, related or transitional service that has been prescribed or recommended in the program plan developed for a student who has been placed in an individualized special program.	IdRefType
	RTILocalId	O		A local ID that may be used to identify this intervention for the student.	LocalIdType
	LocationWhereInterventionDelivered	O		This is where the actual intervention would take place. For example, if at a tutoring provider, then the tutoring organization would be named.	xs:normalizedString
	InterventionProviderNames	O		A list of persons providing the intervention.	InterventionProviderNameListType
	Tier	M		The specific tier of intervention.	xs:decimal
	Interventions	M		The list of interventions applied here.	InterventionListType
	SubjectArea	M		The subject for which this intervention is intended.	SubjectAreaType
	LearningStandardItems	O		List of LearningStandardItems.	LearningStandardItemRefIdListType
	LearningObjectives	O		The specific learning objective(s) being addressed by this intervention.	LearningObjectiveListType
	Measurements	O			ResponseToInterventionMeasurementListType
	Baselines	O		List of pre-assessment data used to evaluate the student on the learning objective.	BaselineListType
	Targets	O		List of specific end aims.	TargetListType
	EntryDate	O		When the intervention begins.	xs:date
	ProjectedExitDate	O		When the intervention is anticipated to end.	xs:date
	ExitDate	O		Date of when the intervention actually ended.	xs:date
	FrequencyTime	O		The frequency of the intervention.	InterventionFrequencyTimeType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.11.12-1: ResponseToIntervention

JSON


```
{
  "ResponseToIntervention": {
    "RefId": "1652D3E34F419D75101A8C3D00AA001A",
    "StudentPersonalRefId": "DE072A87EFAD4B778AF9FAF83C94839E",
    "SchoolInfoRefId": "1947AB893C29F73910FEC3827A239CB1",
    "StaffPersonalRefId": "DCE34B359D75101A8C3D00AA001A1652",
    "StudentPlacementRefId": "869670E8540A43509515AFB767FADD9A",
    "RTILocalId": "837D3",
    "LocationWhereInterventionDelivered": "Classroom",
    "InterventionProviderNames": {
      "InterventionProviderName": [
        {
          "StaffPersonalRefId": "1652D3E34F419D75101A8C3D00AA001A",
          "value": ""
        },
        {
          "OtherProvider": "Mary Smith"
        }
      ]
    },
    "Tier": 11.0,
    "Interventions": {
      "Intervention": [
        {
          "InterventionName": "Read Naturally",
          "InterventionDescription": "This program develops fluency, vocabulary development and comprehension based upon research-based strategies of te
          "InterventionType": {
            "value": "Computer Assisted"
          },
          "InterventionDelivery": {
            "value": "Individual"
          }
        }
      ]
    },
    "SubjectArea": {
      "Code": {
        "value": "01"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "Text",
            "value": "Reading"
          }
        ]
      }
    },
    "LearningStandardItems": {
      "LearningStandardItemRefId": [
        "A5D75F789175101B8C7E08EA123A8234"
      ]
    },
    "LearningObjectives": {
      "LearningObjective": [
        "The student will develop reading fluency by applying phonetic analysis to\n     multiple syllable words while reading the words."
      ]
    },
    "Measurements": {
      "Measurement": [
        {
          "MeasurementTool": "DIBELS",
          "FrequencyofMeasure": {
            "value": "S005"
          }
        }
      ]
    },
    "Baselines": {
      "Baseline": [
        "ORF 40"
      ]
    },
    "Targets": {
      "Target": [
        "ORF 70",
        "ORF 95",
        "ORF 110"
      ]
    },
    "EntryDate": "2011-09-01",
    "ProjectedExitDate": "2012-05-12",
    "FrequencyTime": {
      "Code": {
        "value": "S001"
      },
      "Duration": {
        "UnitOfMeasure": "Minutes",
        "value": 120
      }
    }
  }
}
```


XML

```
<ResponseToIntervention RefId="1652D3E34F419D75101A8C3D00AA001A" StudentPersonalRefId="DE072A87EFAD4B778AF9FAF83C94839E" SchoolInfoRefId="1947AB893C29F7
  <RTILocalId>837D3</RTILocalId>
  <LocationWhereInterventionDelivered>Classroom</LocationWhereInterventionDelivered>
  <InterventionProviderNames>
    <InterventionProviderName StaffPersonalRefId="1652D3E34F419D75101A8C3D00AA001A" />
    <InterventionProviderName>
      <OtherProvider>Mary Smith</OtherProvider>
    </InterventionProviderName>
  </InterventionProviderNames>
  <Tier>11.0</Tier>
  <Interventions>
    <Intervention>
      <InterventionName>Read Naturally</InterventionName>
      <InterventionDescription>This program develops fluency, vocabulary development and comprehension based upon research-based strategies of teacher m
      <InterventionType>Computer Assisted</InterventionType>
      <InterventionDelivery>Individual</InterventionDelivery>
    </Intervention>
  </Interventions>
  <SubjectArea>
    <Code>01</Code>
    <OtherCodeList>
      <OtherCode Codeset="Text">Reading</OtherCode>
    </OtherCodeList>
  </SubjectArea>
  <LearningStandardItems>
    <LearningStandardItemRefId>A5D75F789175101B8C7E08EA123A8234</LearningStandardItemRefId>
  </LearningStandardItems>
  <LearningObjectives>
    <LearningObjective>The student will develop reading fluency by applying phonetic analysis to
     multiple syllable words while reading the words.</LearningObjective>
  </LearningObjectives>
  <Measurements>
    <Measurement>
      <MeasurementTool>DIBELS</MeasurementTool>
      <FrequencyofMeasure>S005</FrequencyofMeasure>
    </Measurement>
  </Measurements>
  <Baselines>
    <Baseline>ORF 40</Baseline>
  </Baselines>
  <Targets>
    <Target>ORF 70</Target>
    <Target>ORF 95</Target>
    <Target>ORF 110</Target>
  </Targets>
  <EntryDate>2011-09-01</EntryDate>
  <ProjectedExitDate>2012-05-12</ProjectedExitDate>
  <FrequencyTime>
    <Code>S001</Code>
    <Duration UnitOfMeasure="Minutes">120</Duration>
  </FrequencyTime>
</ResponseToIntervention>
```

Example 3.11.12-1: ResponseToIntervention

3.11.13 RTIResults

Response to Intervention (RTI) is a multi-tier approach to the early identification and assistance of students who are having learning and/or behavioral needs. This object records the individual learner information for an assigned ResponseToIntervention.

SIF_Events are reported for this object.

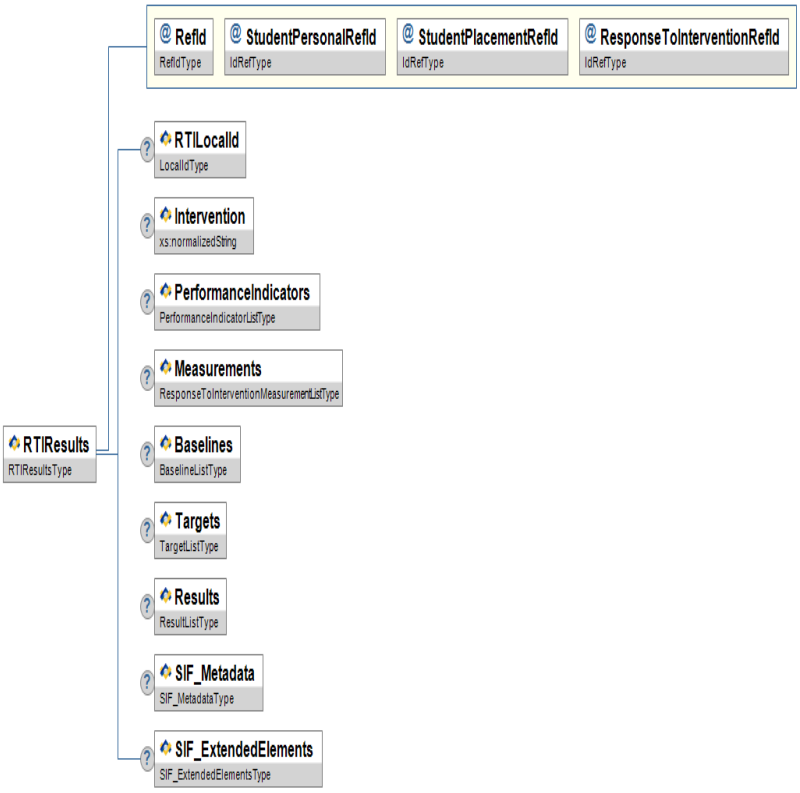


Figure 3.11.13-1: RTIResults

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RTIResults			Response to Intervention (RTI) is a multi-tier approach to the early identification and assistance of students who are having learning and/or behavioral needs. This object records the individual learner information for an assigned ResponseToIntervention.	
@	RefId	M		The Id (GUID) that uniquely identifies the results of a particular Response to Intervention.	RefIdType
@	StudentPersonalRefId	M		The Id (GUID) of the student being administered the intervention..	IdRefType
@	StudentPlacementRefId	M		The Id (GUID) that references the StudentPlacement Object that contains information that describes a specific instructional, related or transitional service that has been prescribed or recommended in the program plan developed for a student who has been placed in an individualized special program.	IdRefType
@	ResponseToInterventionRefId	M		The Id (GUID) of the reference to the ResponseToIntervention that has been assigned for this individual learner.	IdRefType
	RTILocalId	O		A local ID that may be used to identify this intervention for the student.	LocalIdType
	Intervention	O		Naming of the intervention.	xs:normalizedString
	PerformanceIndicators	O		The specific measurement goals at the end of the intervention that each student should reach.	PerformanceIndicatorListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Measurements	O		The specific measurement goals at the end of the intervention that each student should reach.	ResponseToInterventionMeasurementListType
	Baselines	O		List of pre-assessment data used to evaluate the student on the learning objective.	BaselineListType
	Targets	O		List of specific end aims.	TargetListType
	Results	O			ResultListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.11.13-1: RTIResults

JSON


```
{
  "RTIResults": {
    "RefId": "1652D3E34F419D75101A8C3D00AA001A",
    "StudentPersonalRefId": "F260716384746B387459000F84717C00",
    "StudentPlacementRefId": "DE072A87EFAD4B778AF9FAF83C94839E",
    "ResponseToInterventionRefId": "869670E8540A43509515AFB767FADD9A",
    "RTILocalId": "837D3",
    "Intervention": "Read Naturally",
    "PerformanceIndicators": {
      "PerformanceIndicator": [
        "ORF 120"
      ]
    },
    "Measurements": {
      "Measurement": [
        {
          "MeasurementTool": "DIBELS",
          "FrequencyofMeasure": {
            "value": "S005"
          }
        }
      ]
    },
    "Baselines": {
      "Baseline": [
        "ORF 40"
      ]
    },
    "Targets": {
      "Target": [
        "ORF 70",
        "ORF 95",
        "ORF 110"
      ]
    },
    "Results": {
      "Result": [
        "ORF 68",
        "ORF 99",
        "ORF 118"
      ]
    }
  }
}
```


XML


```
<RTIResults RefId="1652D3E34F419D75101A8C3D00AA001A" StudentPersonalRefId="F260716384746B387459000F84717C00" StudentPlacementRefId="DE072A87EFAD4B778AF9
  <RTILocalId>837D3</RTILocalId>
  <Intervention>Read Naturally</Intervention>
  <PerformanceIndicators>
    <PerformanceIndicator>ORF 120</PerformanceIndicator>
  </PerformanceIndicators>
  <Measurements>
    <Measurement>
      <MeasurementTool>DIBELS</MeasurementTool>
      <FrequencyofMeasure>S005</FrequencyofMeasure>
    </Measurement>
  </Measurements>
  <Baselines>
    <Baseline>ORF 40</Baseline>
  </Baselines>
  <Targets>
    <Target>ORF 70</Target>
    <Target>ORF 95</Target>
    <Target>ORF 110</Target>
  </Targets>
  <Results>
    <Result>ORF 68</Result>
    <Result>ORF 99</Result>
    <Result>ORF 118</Result>
  </Results>
</RTIResults>
```


Example 3.11.13-1: RTIResults

3.12 Library Automation Working Group

The Library Automation Working Group provides the library automation entities necessary to effectively exchange relevant data via the framework.

3.12.1 LibraryPatronStatus

This object reports the current library status for the requested student or staff member. The minimum data that the object will return will be the patron's ElectronicId, the total number of materials that are checked out and overdue, and the number and amount of any fines that have been assessed to the patron. When a patron has materials that have been checked out, requested, or are overdue, the object will contain a `Transaction` element describing the details of the transaction. Likewise, any fines that have an outstanding balance will also have a `Transaction` element for the fine.

When a checked out item is returned to the library, it will not appear in the object, even if the item was overdue. Fines that have an outstanding balance will be reported, but when the fine is paid, it will not appear in the object.

SIF_Events are not reported for this object.

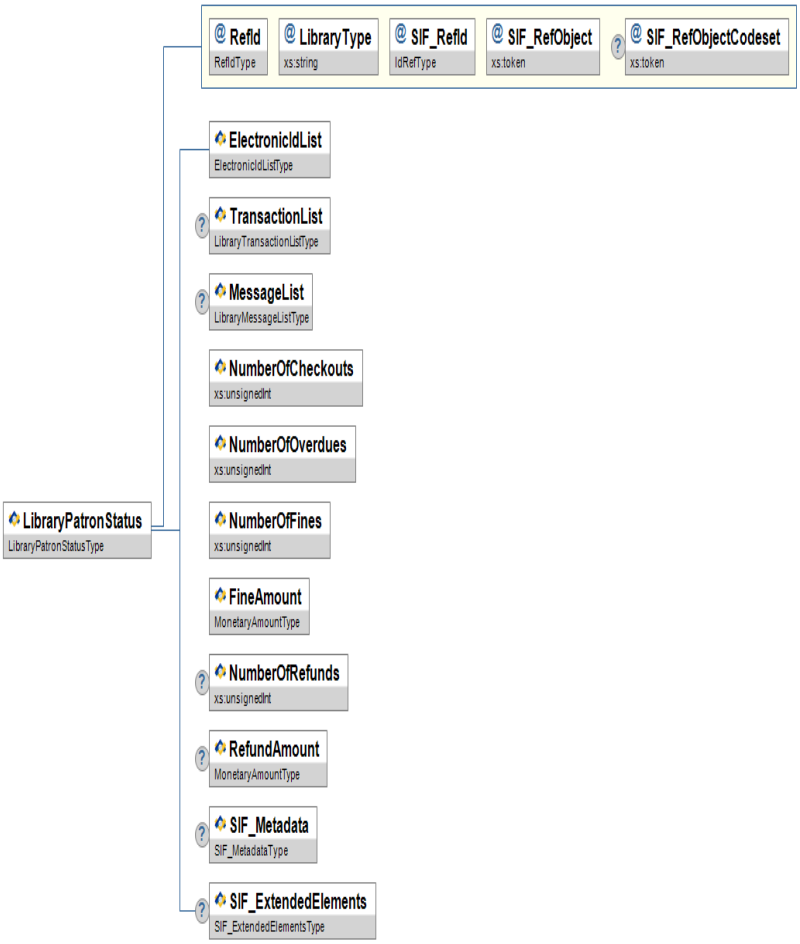


Figure 3.12.1-1: LibraryPatronStatus

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LibraryPatronStatus			This object reports the current library status for the requested student or staff member.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is a “transient” value; that is, it SHOULD be generated by the provider at the time the object is provided in a Response message. This value MUST NOT be used in a later Request for the object.	RefIdType
@	LibraryType	M		A library-defined language-independent value that refers to a specific patron type.	xs:string
@	SIF_RefId	M		The SIF wide unique identifier of a student or teacher.	IdRefType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	SIF_RefObject	M		The type of patron mapped to a SIF supported object. Library automation products work with patrons who could be students or teachers.	xs:token
@	SIF_RefObjectCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ElectronicIdList	M		List of electronic identifiers associated with the patron.	ElectronicIdListType
	TransactionList	O		List of transactions.	LibraryTransactionListType
	MessageList	O		List of messages for/regarding the patron.	LibraryMessageListType
	NumberOfCheckouts	M		The total number of items that this patron currently has checked out including overdue items.	xs:unsignedInt
	NumberOfOverdues	M		The total number of checkouts that are currently overdue.	xs:unsignedInt
	NumberOfFines	M		The total number of fines currently assessed to this patron.	xs:unsignedInt
	FineAmount	M		The total monetary amount of the fines that this patron currently owes the library expressed as a positive number.	MonetaryAmountType
	NumberOfRefunds	O		The total number of refunds currently credited to this patron.	xs:unsignedInt
	RefundAmount	O		The total monetary amount of the refunds that the library currently owes the patron expressed as a positive number.	MonetaryAmountType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.12.1-1: LibraryPatronStatus

JSON

```
{
 "LibraryPatronStatus": {
   "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
   "LibraryType": "S",
   "SIF_RefId": "52DBFBFC021311D68E8C00039303AE9C",
   "SIF_RefObject": "StudentPersonal",
   "ElectronicIdList": {
     "ElectronicId": [
       {
         "Type": "Barcode",
         "value": "P 7676"
       },
       {
         "Type": "Magstripe",
         "value": "200606300007676JJI"
       },
       {
         "Type": "PIN",
         "value": "1234"
       },
       {
         "Type": "RFID",
         "value": "0EF3098055921FEDC008FEEB"
       }
     ]
   },
   "TransactionList": {
     "Transaction": [
       {
         "ItemInfo": {
           "Type": "LibraryMaterial",
           "Title": "Redwall",
           "Author": "Brian Jacques",
           "ElectronicId": {
             "Type": "Barcode",
             "value": "T 311"
           },
           "CallNumber": "YA JACQ",
           "Price": {
             "Currency": "USD",
             "value": 6.99
           }
         },
         "CheckoutInfo": {
           "ReturnBy": "2006-01-04T20:59:59-08:00"
         },
         "FineInfoList": {
           "FineInfo": [
             {
               "Type": "Overdue",
               "Assessed": "2006-01-06T10:19:00-08:00",
               "Description": "ESTIMATED FINE FOR OVERDUE ITEM",
               "Amount": {
                 "Currency": "USD",
                 "value": 0.5
               }
             }
           ]
         }
       },
       {
         "ItemInfo": {
           "Type": "LibraryMaterial",
           "Title": "Mossflower",
           "Author": "Brian Jacques",
           "ElectronicId": {
             "Type": "Barcode",
             "value": "T 1211"
           },
           "CallNumber": "YA JACQ",
           "Price": {
             "Currency": "USD",
             "value": 7.49
           }
         },
         "HoldInfoList": {
           "HoldInfo": [
             {
               "Type": "Ready",
               "DatePlaced": "2005-12-18",
               "DateNeeded": "2006-01-16",
               "MadeAvailable": "2006-01-05",
               "Expires": "2006-02-01"
             }
           ]
         }
       },
       {
         "ItemInfo": {
           "Type": "LibraryMaterial",
           "Title": "The Bellmaker",
           "Author": "Brian Jacques"
         },
         "HoldInfoList": {
           "HoldInfo": [
             {
               "Type": "NotReady",
               "DatePlaced": "2005-12-18"
             }
           ]
         }
       },
       {
         "ItemInfo": {
           "Type": "Textbook",
           "Title": "Passport to Algebra and Geometry",
           "Author": "Larson, Boswell, Kanold and Stiff",
           "ElectronicId": {
             "Type": "Barcode",
             "value": "98770000178215"
           },
           "Price": {
             "Currency": "USD",
             "value": 57.18
           }
         },
         "CheckoutInfo": {
           "ReturnBy": "2006-06-15T21:59:59-07:00"
         }
       },
       {
         "ItemInfo": {
           "Type": "LibraryMaterial",
           "Title": "Harry Potter and the Goblet of Fire",
           "Author": "JK Rowlings",
           "ElectronicId": {
             "Type": "Barcode",
             "value": "T 99321"
           }
         },
         "FineInfoList": {
           "FineInfo": [
```

```
            {
              "Type": "Refund",
              "Assessed": "2006-01-02T06:29:00-08:00",
              "Description": "Lost item returned",
              "Amount": {
                "Currency": "USD",
                "value": 28.9
              }
            }
          ]
        }
      },
      {
        "FineInfoList": {
          "FineInfo": [
            {
              "Type": "Other",
              "Assessed": "2006-01-04T07:14:00-08:00",
              "Description": "Running in library",
              "Amount": {
                "Currency": "USD",
                "value": 1.0
              },
              "Reference": "42"
            }
          ]
        }
      }
    ]
  },
  "MessageList": {
    "Message": [
      {
        "Priority": "Normal",
        "Text": "This is a normal message."
      },
      {
        "Priority": "Urgent",
        "Sent": "2006-01-12T11:01:00-08:00",
        "Text": "This is an URGENT message!"
      }
    ]
  },
  "NumberOfCheckouts": 1,
  "NumberOfOverdues": 1,
  "NumberOfFines": 1,
  "FineAmount": {
    "Currency": "USD",
    "value": 1.0
  },
  "NumberOfRefunds": 1,
  "RefundAmount": {
    "Currency": "USD",
    "value": 28.9
  }
}
}
```


XML

```
<LibraryPatronStatus RefId="359D75101AD0A9D7A8C3DAD0A85103A2" LibraryType="S" SIF_RefId="52DBFBFC021311D68E8C00039303AE9C" SIF_RefObject="StudentPersona
  <ElectronicIdList>
    <ElectronicId Type="Barcode">P 7676</ElectronicId>
    <ElectronicId Type="Magstripe">200606300007676JJI</ElectronicId>
    <ElectronicId Type="PIN">1234</ElectronicId>
    <ElectronicId Type="RFID">0EF3098055921FEDC008FEEB</ElectronicId>
  </ElectronicIdList>
  <TransactionList>
    <Transaction>
      <ItemInfo Type="LibraryMaterial">
        <Title>Redwall</Title>
        <Author>Brian Jacques</Author>
        <ElectronicId Type="Barcode">T 311</ElectronicId>
        <CallNumber>YA JACQ</CallNumber>
        <Price Currency="USD">6.99</Price>
      </ItemInfo>
      <CheckoutInfo>
        <ReturnBy>2006-01-04T23:59:59-05:00</ReturnBy>
      </CheckoutInfo>
      <FineInfoList>
        <FineInfo Type="Overdue">
          <Assessed>2006-01-06T13:19:00-05:00</Assessed>
          <Description>ESTIMATED FINE FOR OVERDUE ITEM</Description>
          <Amount Currency="USD">0.50</Amount>
        </FineInfo>
      </FineInfoList>
    </Transaction>
    <Transaction>
      <ItemInfo Type="LibraryMaterial">
        <Title>Mossflower</Title>
        <Author>Brian Jacques</Author>
        <ElectronicId Type="Barcode">T 1211</ElectronicId>
        <CallNumber>YA JACQ</CallNumber>
        <Price Currency="USD">7.49</Price>
      </ItemInfo>
      <HoldInfoList>
        <HoldInfo Type="Ready">
          <DatePlaced>2005-12-18</DatePlaced>
          <DateNeeded>2006-01-16</DateNeeded>
          <MadeAvailable>2006-01-05</MadeAvailable>
          <Expires>2006-02-01</Expires>
        </HoldInfo>
      </HoldInfoList>
    </Transaction>
    <Transaction>
      <ItemInfo Type="LibraryMaterial">
        <Title>The Bellmaker</Title>
        <Author>Brian Jacques</Author>
      </ItemInfo>
      <HoldInfoList>
        <HoldInfo Type="NotReady">
          <DatePlaced>2005-12-18</DatePlaced>
        </HoldInfo>
      </HoldInfoList>
    </Transaction>
    <Transaction>
      <ItemInfo Type="Textbook">
        <Title>Passport to Algebra and Geometry</Title>
        <Author>Larson, Boswell, Kanold and Stiff</Author>
        <ElectronicId Type="Barcode">98770000178215</ElectronicId>
        <Price Currency="USD">57.18</Price>
      </ItemInfo>
      <CheckoutInfo>
        <ReturnBy>2006-06-15T23:59:59-05:00</ReturnBy>
      </CheckoutInfo>
    </Transaction>
    <Transaction>
      <ItemInfo Type="LibraryMaterial">
        <Title>Harry Potter and the Goblet of Fire</Title>
        <Author>JK Rowlings</Author>
        <ElectronicId Type="Barcode">T 99321</ElectronicId>
      </ItemInfo>
      <FineInfoList>
        <FineInfo Type="Refund">
          <Assessed>2006-01-02T09:29:00-05:00</Assessed>
          <Description>Lost item returned</Description>
          <Amount Currency="USD">28.90</Amount>
        </FineInfo>
      </FineInfoList>
    </Transaction>
    <Transaction>
      <FineInfoList>
        <FineInfo Type="Other">
          <Assessed>2006-01-04T10:14:00-05:00</Assessed>
          <Description>Running in library</Description>
          <Amount Currency="USD">1.00</Amount>
          <Reference>42</Reference>
        </FineInfo>
      </FineInfoList>
    </Transaction>
  </TransactionList>
  <MessageList>
    <Message Priority="Normal">
      <Text>This is a normal message.</Text>
    </Message>
    <Message Priority="Urgent">
      <Sent>2006-01-12T14:01:00-05:00</Sent>
      <Text>This is an URGENT message!</Text>
    </Message>
  </MessageList>
  <NumberOfCheckouts>1</NumberOfCheckouts>
  <NumberOfOverdues>1</NumberOfOverdues>
  <NumberOfFines>1</NumberOfFines>
  <FineAmount Currency="USD">1.00</FineAmount>
  <NumberOfRefunds>1</NumberOfRefunds>
  <RefundAmount Currency="USD">28.90</RefundAmount>
</LibraryPatronStatus>
```

Example 3.12.1-1: LibraryPatronStatus

3.13 Privacy Project Team

This Project Team will concentrate on end user (District and State) issues relating to student data privacy.

3.13.1 PersonPrivacyObligationDocument

This object contains information about the person's data and privacy obligations as well as permissions and consent associated with it.

SIF_Events are reported for this object.

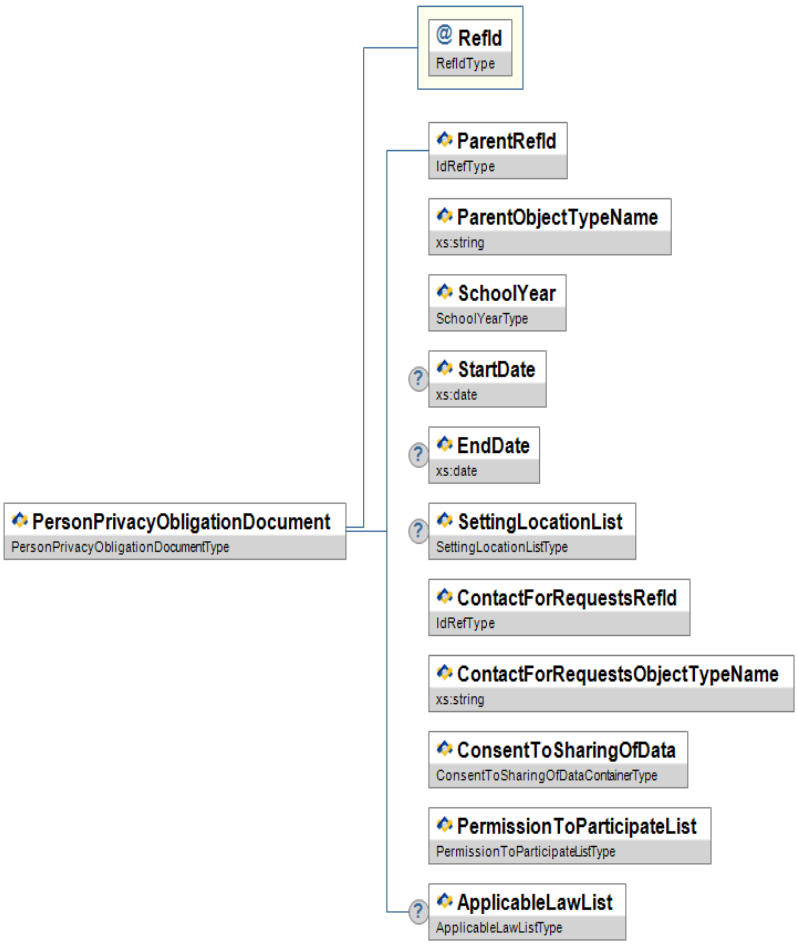


Figure 3.13.1-1: PersonPrivacyObligationDocument

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PersonPrivacyObligationDocument			This object contains information about the person's data and privacy obligations as well as permissions and consent associated with it.	
@	RefId	M		The ID (GUID) that uniquely identifies this object.	RefIdType
	ParentRefId	M		The GUID of the personal object to which this privacy obligation object is linked	IdRefType
	ParentObjectTypeName	M		The name of the object reference.	xs:string
	SchoolYear	M		School year for which this information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2020).	SchoolYearType
	StartDate	O		Start Date applicabile if not applicable for the whole School Year.	xs:date
	EndDate	O		End Date applicabile if not applicable for the whole School Year.	xs:date
	SettingLocationList	O		List of locations where this privacy list applies.	SettingLocationListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContactForRequestsRefId	M		The GUID of the personal object for the person who needs to be contacted for data sharing requests.	IdRefType
	ContactForRequestsObjectTypeName	M		The name of the object reference.	xs:string
	ConsentToSharingOfData	M			ConsentToSharingOfDataContainerType
	PermissionToParticipateList	M			PermissionToParticipateListType
	ApplicableLawList	O			ApplicableLawListType

Table 3.13.1-1: PersonPrivacyObligationDocument

JSON

```
{
  "PersonPrivacyObligationDocument": {
    "RefId": "D3E34B35-9D75-101A-8C3D-00AA001A1652",
    "ParentRefId": "AA648462-8886-24AA-5294-BC638017320B",
    "ParentObjectTypeName": "StudentPersonal",
    "SchoolYear": "2020",
    "StartDate": "2020-02-01",
    "EndDate": "2020-12-01",
    "SettingLocationList": {
      "SettingLocation": [
        {
          "SettingLocationName": "Taylors College",
          "SettingLocationType": "School",
          "SettingLocationRefId": "D3E34B35-9D75-101A-8C3D-00AA001A1654",
          "SettingLocationObjectTypeName": "SchoolInfo"
        },
        {
          "SettingLocationName": "Another School",
          "SettingLocationType": "School",
          "SettingLocationRefId": "E6E34B35-9D75-101A-8C3D-01AA001A1655",
          "SettingLocationObjectTypeName": "SchoolInfo"
        }
      ]
    },
    "ContactForRequestsRefId": "C4E34B35-9D75-101A-8C3D-00AA001A1653",
    "ContactForRequestsObjectTypeName": "StudentContactPersonal",
    "ConsentToSharingOfData": {
      "DataDomainObligationList": {
        "DataDomainObligation": [
          {
            "DataDomain": "Assessment",
            "DomainComments": "Can also share NAPLAN results.",
            "ShareWithList": {
              "ShareWith": [
                {
                  "ShareWithParty": "Assessment Vendors",
                  "ShareWithRefId": "AA648462-8886-24AA-5294-BC638017320C",
                  "ShareWithObjectTypeName": "StudentContactPersonal",
                  "ShareWithLocalId": "",
                  "ShareWithPurpose": "Assessment reporting",
                  "ShareWithRole": "Vendor",
                  "ShareWithComments": "A comment",
                  "PermissionToOnShare": "N",
                  "ShareWithURL": "www.assessmentworld.com"
                },
                {
                  "ShareWithParty": "Military",
                  "ShareWithRefId": "AA648462-8886-24AA-5294-BC638017320C",
                  "ShareWithObjectTypeName": "StudentContactPersonal",
                  "ShareWithLocalId": "",
                  "ShareWithPurpose": "entrance requirement",
                  "ShareWithRole": "Military",
                  "ShareWithComments": "A comment",
                  "PermissionToOnShare": "N",
                  "ShareWithURL": "www.military.com"
                }
              ]
            }
          },
          {
            "DataDomain": "Attendance",
            "DomainComments": "Share with other schools.",
            "ShareWithList": {
              "ShareWith": [
                {
                  "ShareWithParty": "Assessment Vendors",
                  "ShareWithRefId": "D3E34B35-9D75-101A-8C3D-00AA001A1651",
                  "ShareWithObjectTypeName": "StudentContactPersonal",
                  "ShareWithLocalId": "",
                  "ShareWithPurpose": "Assessment reporting",
                  "ShareWithRole": "Vendor",
                  "ShareWithComments": "A comment",
                  "PermissionToOnShare": "N",
                  "ShareWithURL": "www.assessmentworld.com"
                },
                {
                  "ShareWithParty": "Military",
                  "ShareWithRefId": "D3E34B35-9D75-101A-8C3D-00AA001A1652",
                  "ShareWithObjectTypeName": "StudentContactPersonal",
                  "ShareWithLocalId": "",
                  "ShareWithPurpose": "entrance requirement",
                  "ShareWithRole": "Military",
                  "ShareWithComments": "A comment",
                  "PermissionToOnShare": "N",
                  "ShareWithURL": "www.military.com"
                }
              ]
            },
            "DoNotShareWithList": {
              "DoNotShareWith": [
                {
                  "DoNotShareWithParty": "John Wilbur Loavel",
                  "DoNotShareWithRefId": "B3E34B35-9D75-101A-8C3D-00AA001A1655",
                  "DoNotShareWithObjectTypeName": "StudentContactPersonal",
                  "DoNotShareWithLocalId": "",
                  "DoNotShareWithPurpose": "Father",
                  "DoNotShareWithRole": "Parent",
                  "DoNotShareWithComments": "Student assessment information is not to be shared with the father."
                }
              ]
            }
          },
          {
            "DataDomain": "Assessment",
            "DomainComments": "Can also share NAPLAN results.",
            "ShareWithList": {
              "ShareWith": [
                {
                  "ShareWithParty": "Assessment Vendors",
                  "ShareWithPurpose": "Assessment reporting",
                  "ShareWithComments": "A comment",
                  "PermissionToOnShare": "N",
                  "ShareWithURL": "www.assessmentworld.com"
                },
                {
                  "ShareWithParty": "Military",
                  "ShareWithPurpose": "entrance requirement",
                  "ShareWithComments": "A comment",
                  "PermissionToOnShare": "N",
                  "ShareWithURL": "www.military.com"
                }
              ]
            },
            "DoNotShareWithList": {
              "DoNotShareWith": [
                {
                  "DoNotShareWithParty": "John Wilbur Loavel",
                  "DoNotShareWithPurpose": "Father",
                  "DoNotShareWithRole": "Parent",
                  "DoNotShareWithComments": "Student assessment information is not to be shared with the father."
                }
              ]
```

```
          }
        },
        {
          "DataDomain": "Attendance",
          "DomainComments": "Share with other schools.",
          "ShareWithList": {
            "ShareWith": [
              {
                "ShareWithParty": "School XYZ",
                "ShareWithPurpose": "Attendance reporting",
                "ShareWithComments": "A comment",
                "PermissionToOnShare": "Y",
                "ShareWithURL": "www.XYZ.edu.au"
              },
              {
                "ShareWithParty": "School ABC",
                "ShareWithPurpose": "Attendance reporting",
                "ShareWithComments": "A comment",
                "PermissionToOnShare": "Y",
                "ShareWithURL": "www.ABC.edu.au"
              }
            ]
          },
          "DoNotShareWithList": {
            "DoNotShareWith": [
              {
                "DoNotShareWithParty": "John Wilbur Loavel",
                "DoNotShareWithRefId": "F3E34B35-9D75-101A-8C3D-00AA001A1655",
                "DoNotShareWithObjectTypeName": "StudentContactPersonal",
                "DoNotShareWithLocalId": "",
                "DoNotShareWithPurpose": "Father",
                "DoNotShareWithRole": "Parent",
                "DoNotShareWithComments": "Student attendance information is not to be shared with the father.",
                "DoNotShareWithURL": ""
              }
            ]
          }
        }
      ]
    },
    "NeverShareWithList": {
      "NeverShareWith": [
        {
          "NeverShareWithParty": "Media",
          "NeverShareWithRefId": "D3E34B35-9D75-101A-8C3D-00AA001A1655",
          "NeverShareWithObjectTypeName": "StudentContactPersonal",
          "NeverShareWithLocalId": "",
          "NeverShareWithPurpose": "Never Share",
          "NeverShareWithRole": "Company",
          "NeverShareWithComments": "Student and/or family information is not to be shared with the Media.",
          "NeverShareWithURL": "www.Mediaworld.com"
        }
      ]
    }
  },
  "PermissionToParticipateList": {
    "PermissionToParticipate": [
      {
        "PermissionCategory": "Travel",
        "Permission": "WalkHome",
        "PermissionValue": "Y",
        "PermissionStartDate": "2020-01-01",
        "PermissionEndDate": "2020-12-31",
        "PermissionGranteeName": "Sarah Lain Loavel",
        "PermissionGranteeRelationship": "Mother",
        "PermissionComments": "Only with a sibling."
      },
      {
        "PermissionCategory": "Travel",
        "Permission": "RideBikeHome",
        "PermissionValue": "N",
        "PermissionStartDate": "2020-01-01",
        "PermissionEndDate": "2020-12-31",
        "PermissionComments": "Only with a sibling."
      },
      {
        "PermissionCategory": "Excursions",
        "Permission": "Attend Excursions General",
        "PermissionValue": "Y",
        "PermissionStartDate": "2020-01-01",
        "PermissionEndDate": "2020-12-31",
        "PermissionComments": "Optional Comment"
      },
      {
        "PermissionCategory": "Excursions",
        "Permission": "Overnight Camps",
        "PermissionValue": "N",
        "PermissionStartDate": "2020-01-01",
        "PermissionEndDate": "2020-12-31",
        "PermissionComments": "Optional Comment"
      }
    ]
  },
  "ApplicableLawList": {
    "ApplicableLaw": [
      {
        "ApplicableCountry": "AU",
        "ApplicableLawName": "APP1",
        "ApplicableLawURL": "http://www.vic.priv.contract.edu.au"
      },
      {
        "ApplicableCountry": "AU",
        "ApplicableLawName": "APP2",
        "ApplicableLawURL": "http://www.vic.priv.contract.edu.au"
      }
    ]
  }
}
}
```


XML

```
<PersonPrivacyObligationDocument RefId="D3E34B35-9D75-101A-8C3D-00AA001A1652">
  <!-- Do we want this as an Element/Attribute or 2 elements?? -->
  <ParentRefId>AA648462-8886-24AA-5294-BC638017320B</ParentRefId>
  <ParentObjectTypeName>StudentPersonal</ParentObjectTypeName>
  <SchoolYear>2020</SchoolYear>
  <StartDate>2020-02-01</StartDate>
  <EndDate>2020-12-01</EndDate>
  <SettingLocationList>
    <SettingLocation>
      <SettingLocationName>Taylors College</SettingLocationName>
      <SettingLocationType>School</SettingLocationType>
      <SettingLocationRefId>D3E34B35-9D75-101A-8C3D-00AA001A1654</SettingLocationRefId>
      <SettingLocationObjectTypeName>SchoolInfo</SettingLocationObjectTypeName>
    </SettingLocation>
    <SettingLocation>
      <SettingLocationName>Another School</SettingLocationName>
      <SettingLocationType>School</SettingLocationType>
      <SettingLocationRefId>E6E34B35-9D75-101A-8C3D-01AA001A1655</SettingLocationRefId>
      <SettingLocationObjectTypeName>SchoolInfo</SettingLocationObjectTypeName>
    </SettingLocation>
  </SettingLocationList>
  <ContactForRequestsRefId>C4E34B35-9D75-101A-8C3D-00AA001A1653</ContactForRequestsRefId>
  <ContactForRequestsObjectTypeName>StudentContactPersonal</ContactForRequestsObjectTypeName>
  <ConsentToSharingOfData>
    <!-- Specific e.g. Directory, militarty, NON-Specific - medical, vendors,-->
    <!-- academic but not behavioural -->
    <!-- for vendors this is domain or object specific -->
    <!-- Domain Specific -= as is 0-->
    <DataDomainObligationList>
      <!-- Domains of information that are willing to be shared and who with -->
      <DataDomainObligation>
        <DataDomain>Assessment</DataDomain>
        <DomainComments>Can also share NAPLAN results.</DomainComments>
        <ShareWithList>
          <ShareWith>
            <ShareWithParty>Assessment Vendors</ShareWithParty>
            <ShareWithRefId>AA648462-8886-24AA-5294-BC638017320C</ShareWithRefId>
            <ShareWithObjectTypeName>StudentContactPersonal</ShareWithObjectTypeName>
            <ShareWithLocalId />
            <ShareWithPurpose>Assessment reporting</ShareWithPurpose>
            <ShareWithRole>Vendor</ShareWithRole>
            <ShareWithComments>A comment</ShareWithComments>
            <PermissionToOnShare>N</PermissionToOnShare>
            <ShareWithURL>www.assessmentworld.com</ShareWithURL>
          </ShareWith>
          <ShareWith>
            <ShareWithParty>Military</ShareWithParty>
            <ShareWithRefId>AA648462-8886-24AA-5294-BC638017320C</ShareWithRefId>
            <ShareWithObjectTypeName>StudentContactPersonal</ShareWithObjectTypeName>
            <ShareWithLocalId />
            <ShareWithPurpose>entrance requirement</ShareWithPurpose>
            <ShareWithRole>Military</ShareWithRole>
            <ShareWithComments>A comment</ShareWithComments>
            <PermissionToOnShare>N</PermissionToOnShare>
            <ShareWithURL>www.military.com</ShareWithURL>
          </ShareWith>
        </ShareWithList>
      </DataDomainObligation>
      <DataDomainObligation>
        <DataDomain>Attendance</DataDomain>
        <DomainComments>Share with other schools.</DomainComments>
        <ShareWithList>
          <ShareWith>
            <ShareWithParty>Assessment Vendors</ShareWithParty>
            <ShareWithRefId>D3E34B35-9D75-101A-8C3D-00AA001A1651</ShareWithRefId>
            <ShareWithObjectTypeName>StudentContactPersonal</ShareWithObjectTypeName>
            <ShareWithLocalId />
            <ShareWithPurpose>Assessment reporting</ShareWithPurpose>
            <ShareWithRole>Vendor</ShareWithRole>
            <ShareWithComments>A comment</ShareWithComments>
            <PermissionToOnShare>N</PermissionToOnShare>
            <ShareWithURL>www.assessmentworld.com</ShareWithURL>
          </ShareWith>
          <ShareWith>
            <ShareWithParty>Military</ShareWithParty>
            <ShareWithRefId>D3E34B35-9D75-101A-8C3D-00AA001A1652</ShareWithRefId>
            <ShareWithObjectTypeName>StudentContactPersonal</ShareWithObjectTypeName>
            <ShareWithLocalId />
            <ShareWithPurpose>entrance requirement</ShareWithPurpose>
            <ShareWithRole>Military</ShareWithRole>
            <ShareWithComments>A comment</ShareWithComments>
            <PermissionToOnShare>N</PermissionToOnShare>
            <ShareWithURL>www.military.com</ShareWithURL>
          </ShareWith>
        </ShareWithList>
        <DoNotShareWithList>
          <DoNotShareWith>
            <DoNotShareWithParty>John Wilbur Loavel</DoNotShareWithParty>
            <DoNotShareWithRefId>B3E34B35-9D75-101A-8C3D-00AA001A1655</DoNotShareWithRefId>
            <DoNotShareWithObjectTypeName>StudentContactPersonal</DoNotShareWithObjectTypeName>
            <DoNotShareWithLocalId />
            <DoNotShareWithPurpose>Father</DoNotShareWithPurpose>
            <DoNotShareWithRole>Parent</DoNotShareWithRole>
            <DoNotShareWithComments>Student assessment information is not to be shared with the father.</DoNotShareWithComments>
          </DoNotShareWith>
        </DoNotShareWithList>
      </DataDomainObligation>
      <!-- Domains of information that are willing to be shared and who with -->
      <DataDomainObligation>
        <DataDomain>Assessment</DataDomain>
        <DomainComments>Can also share NAPLAN results.</DomainComments>
        <ShareWithList>
          <ShareWith>
            <ShareWithParty>Assessment Vendors</ShareWithParty>
            <ShareWithPurpose>Assessment reporting</ShareWithPurpose>
            <ShareWithComments>A comment</ShareWithComments>
            <PermissionToOnShare>N</PermissionToOnShare>
            <ShareWithURL>www.assessmentworld.com</ShareWithURL>
          </ShareWith>
          <ShareWith>
            <ShareWithParty>Military</ShareWithParty>
            <ShareWithPurpose>entrance requirement</ShareWithPurpose>
            <ShareWithComments>A comment</ShareWithComments>
            <PermissionToOnShare>N</PermissionToOnShare>
            <ShareWithURL>www.military.com</ShareWithURL>
          </ShareWith>
        </ShareWithList>
        <DoNotShareWithList>
          <DoNotShareWith>
            <DoNotShareWithParty>John Wilbur Loavel</DoNotShareWithParty>
            <DoNotShareWithPurpose>Father</DoNotShareWithPurpose>
            <DoNotShareWithRole>Parent</DoNotShareWithRole>
            <DoNotShareWithComments>Student assessment information is not to be shared with the father.</DoNotShareWithComments>
          </DoNotShareWith>
        </DoNotShareWithList>
      </DataDomainObligation>
      <DataDomainObligation>
        <DataDomain>Attendance</DataDomain>
        <DomainComments>Share with other schools.</DomainComments>
        <ShareWithList>
          <ShareWith>
            <ShareWithParty>School XYZ</ShareWithParty>
```

```
          <ShareWithPurpose>Attendance reporting</ShareWithPurpose>
          <ShareWithComments>A comment</ShareWithComments>
          <PermissionToOnShare>Y</PermissionToOnShare>
          <ShareWithURL>www.XYZ.edu.au</ShareWithURL>
        </ShareWith>
        <ShareWith>
          <ShareWithParty>School ABC</ShareWithParty>
          <ShareWithPurpose>Attendance reporting</ShareWithPurpose>
          <ShareWithComments>A comment</ShareWithComments>
          <PermissionToOnShare>Y</PermissionToOnShare>
          <ShareWithURL>www.ABC.edu.au</ShareWithURL>
        </ShareWith>
      </ShareWithList>
      <DoNotShareWithList>
        <DoNotShareWith>
          <DoNotShareWithParty>John Wilbur Loavel</DoNotShareWithParty>
          <DoNotShareWithRefId>F3E34B35-9D75-101A-8C3D-00AA001A1655</DoNotShareWithRefId>
          <DoNotShareWithObjectTypeName>StudentContactPersonal</DoNotShareWithObjectTypeName>
          <DoNotShareWithLocalId />
          <DoNotShareWithPurpose>Father</DoNotShareWithPurpose>
          <DoNotShareWithRole>Parent</DoNotShareWithRole>
          <DoNotShareWithComments>Student attendance information is not to be shared with the father.</DoNotShareWithComments>
          <DoNotShareWithURL />
        </DoNotShareWith>
      </DoNotShareWithList>
    </DataDomainObligation>
  </DataDomainObligationList>
  <!--This indicates a higher level and overrides share/do not share information at specific domains -->
  <NeverShareWithList>
    <NeverShareWith>
      <NeverShareWithParty>Media</NeverShareWithParty>
      <NeverShareWithRefId>D3E34B35-9D75-101A-8C3D-00AA001A1655</NeverShareWithRefId>
      <NeverShareWithObjectTypeName>StudentContactPersonal</NeverShareWithObjectTypeName>
      <NeverShareWithLocalId />
      <NeverShareWithPurpose>Never Share</NeverShareWithPurpose>
      <NeverShareWithRole>Company</NeverShareWithRole>
      <NeverShareWithComments>Student and/or family information is not to be shared with the Media.</NeverShareWithComments>
      <NeverShareWithURL>www.Mediaworld.com</NeverShareWithURL>
    </NeverShareWith>
  </NeverShareWithList>
</ConsentToSharingOfData>
<PermissionToParticipateList>
  <PermissionToParticipate>
    <!-- Permissions -->
    <!--Code of Conduct, BikeRiding, Walk to or from school, excursions Where do I get a list-->
    <!-- Ride to, Walk to, Excursoions, specific or general?, parents, overnight, camps -->
    <PermissionCategory>Travel</PermissionCategory>
    <Permission>WalkHome</Permission>
    <PermissionValue>Y</PermissionValue>
    <PermissionStartDate>2020-01-01</PermissionStartDate>
    <PermissionEndDate>2020-12-31</PermissionEndDate>
    <PermissionGranteeName>Sarah Lain Loavel</PermissionGranteeName>
    <PermissionGranteeRelationship>Mother</PermissionGranteeRelationship>
    <PermissionComments>Only with a sibling.</PermissionComments>
  </PermissionToParticipate>
  <PermissionToParticipate>
    <!-- Permissions -->
    <!--Code of Conduct, BikeRiding, Walk to or from school, excursions Where do I get a list-->
    <!-- Ride to, Walk to, Excursoions, specific or general?, parents, overnight, camps -->
    <PermissionCategory>Travel</PermissionCategory>
    <Permission>RideBikeHome</Permission>
    <PermissionValue>N</PermissionValue>
    <PermissionStartDate>2020-01-01</PermissionStartDate>
    <PermissionEndDate>2020-12-31</PermissionEndDate>
    <PermissionComments>Only with a sibling.</PermissionComments>
  </PermissionToParticipate>
  <PermissionToParticipate>
    <!-- Permissions -->
    <!--Code of Conduct, BikeRiding, Walk to or from school, excursions Where do I get a list-->
    <!-- Ride to, Walk to, Excursoions, specific or general?, parents, overnight, camps -->
    <PermissionCategory>Excursions</PermissionCategory>
    <Permission>Attend Excursions General</Permission>
    <PermissionValue>Y</PermissionValue>
    <PermissionStartDate>2020-01-01</PermissionStartDate>
    <PermissionEndDate>2020-12-31</PermissionEndDate>
    <PermissionComments>Optional Comment</PermissionComments>
  </PermissionToParticipate>
  <PermissionToParticipate>
    <!-- Permissions -->
    <!--Code of Conduct, BikeRiding, Walk to or from school, excursions Where do I get a list-->
    <!-- Ride to, Walk to, Excursoions, specific or general?, parents, overnight, camps -->
    <PermissionCategory>Excursions</PermissionCategory>
    <Permission>Overnight Camps</Permission>
    <PermissionValue>N</PermissionValue>
    <PermissionStartDate>2020-01-01</PermissionStartDate>
    <PermissionEndDate>2020-12-31</PermissionEndDate>
    <PermissionComments>Optional Comment</PermissionComments>
  </PermissionToParticipate>
</PermissionToParticipateList>
<ApplicableLawList>
  <ApplicableLaw>
    <ApplicableCountry>AU</ApplicableCountry>
    <!--Which code set?  Does it need to be international? -->
    <ApplicableLawName>APP1</ApplicableLawName>
    <ApplicableLawURL>http://www.vic.priv.contract.edu.au</ApplicableLawURL>
  </ApplicableLaw>
  <ApplicableLaw>
    <ApplicableCountry>AU</ApplicableCountry>
    <!--Which code set?  Does it need to be international? -->
    <ApplicableLawName>APP2</ApplicableLawName>
    <ApplicableLawURL>http://www.vic.priv.contract.edu.au</ApplicableLawURL>
  </ApplicableLaw>
</ApplicableLawList>
</PersonPrivacyObligationDocument>
```

Example 3.13.1-1: PersonPrivacyObligationDocument

3.14 Professional Development Working Group

The Professional Development Working Group assesses the interoperability needs of state and local education agencies with regard to professional development. This includes:

- Assessment of professional certification requirements related to the "Highly Qualified Teacher Provisions of No Child Left Behind."
- Training for administrative and teaching staff on new systems and/or educational programs directed to best practices to be implemented in the schools.
- Developing data objects that can transport professional development course information, assessment of performance in these courses, and the longitudinal data needed to track professional development of staff.

3.14.1 ActivityProvider

This object contains information about educational providers of professional education courses and activities.

SIF_Events are reported for this object.

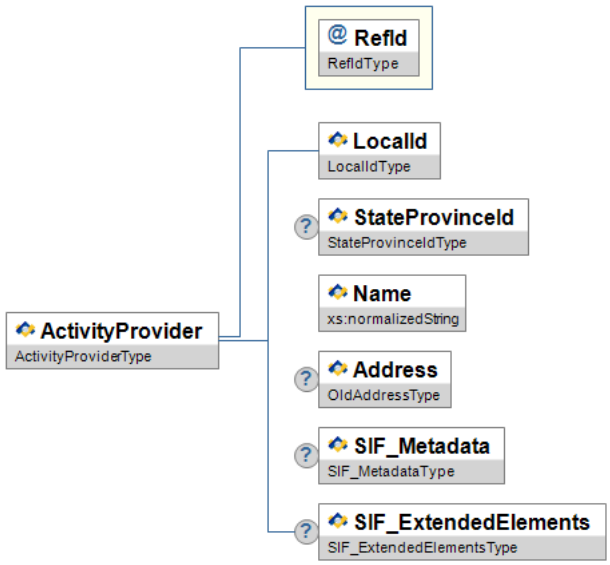


Figure 3.14.1-1: ActivityProvider

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ActivityProvider			This object contains information about educational providers of professional education courses and activities.	
@	RefId	M		GUID for this object. The application that owns this object is responsible for generating this unique Id.	RefIdType
	LocalId	M		Local code used to represent this provider	LocalIdType
	StateProvinceId	O		State assigned provider number	StateProvinceIdType
	Name	M		Name of the provider.	xs:normalizedString
	Address	O		This element contains information related to provider's address information.	OldAddressType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.14.1-1: ActivityProvider

JSON

```
{
  "ActivityProvider": {
    "RefId": "FE1078BA3261545A31905937B265CE01",
    "LocalId": "305.0",
    "StateProvinceId": "4580",
    "Name": "Sunnyvalley College",
    "Address": {
      "Type": "0123",
      "Street": {
        "Line1": "1 Sunnyvalley Lane"
      },
      "City": "Sunnyvalley",
      "StateProvince": {
        "value": "OR"
      },
      "Country": {
        "value": "US"
      },
      "PostalCode": "97497"
    }
  }
}
```


XML

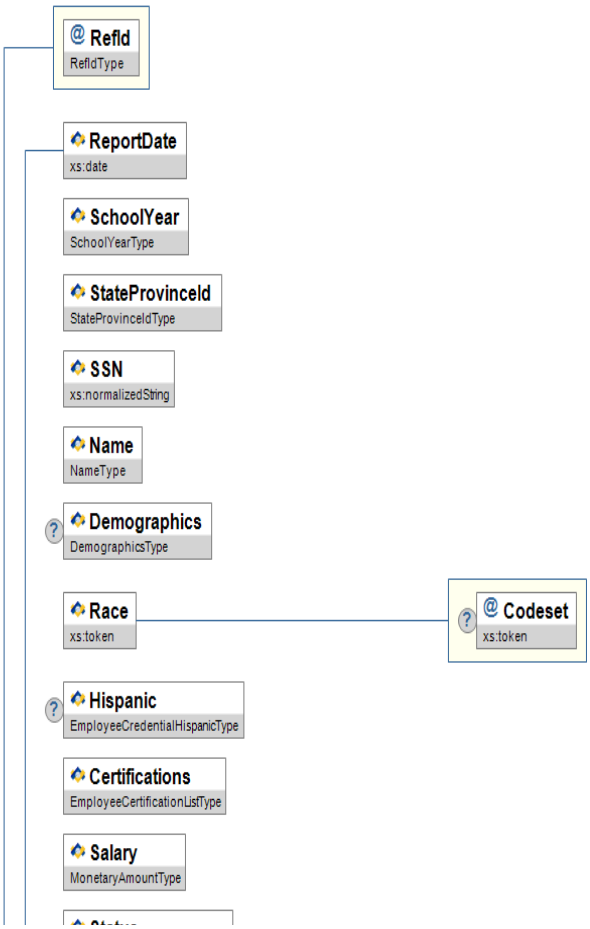

```
<ActivityProvider RefId="FE1078BA3261545A31905937B265CE01">
  <LocalId>305.0</LocalId>
  <StateProvinceId>4580</StateProvinceId>
  <Name>Sunnyvalley College</Name>
  <Address Type="0123">
    <Street>
      <Line1>1 Sunnyvalley Lane</Line1>
    </Street>
    <City>Sunnyvalley</City>
    <StateProvince>OR</StateProvince>
    <Country>US</Country>
    <PostalCode>97497</PostalCode>
  </Address>
</ActivityProvider>
```


Example 3.14.1-1: ActivityProvider

3.14.2 EmployeeCredential

This object contains HR, certification and teaching assignment information for elementary and secondary professional personnel for state reporting. It is a snapshot object used for vertical reporting of data related to K-12 elementary and secondary professional employees.

SIF_Events are not reported for this object.



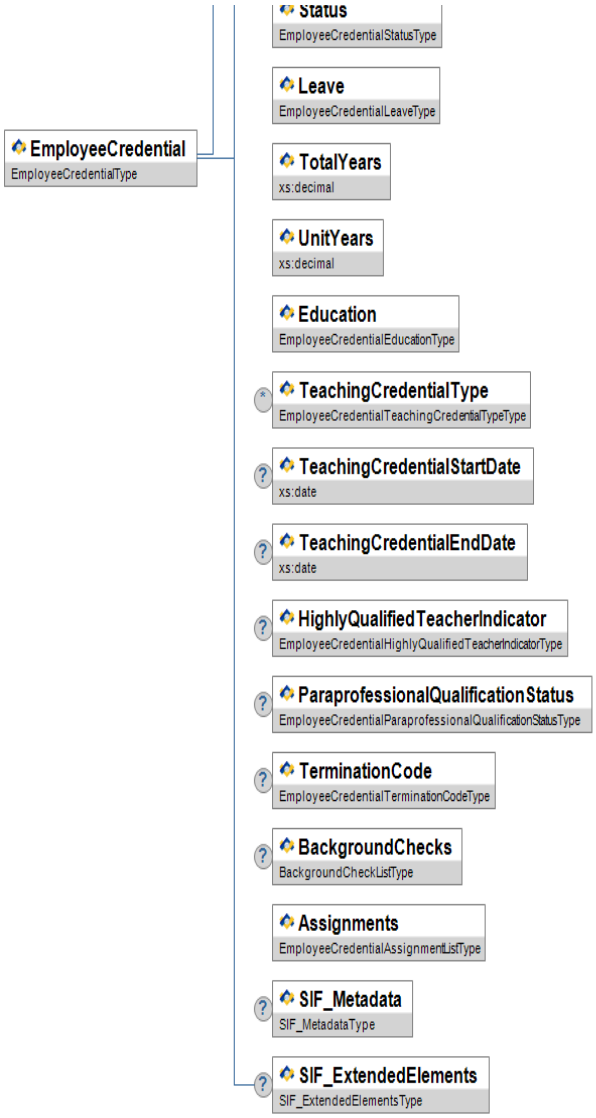


Figure 3.14.2-1: EmployeeCredential

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCredential			This object contains HR, certification and teaching assignment information for elementary and secondary professional personnel for state reporting. It is a snapshot object used for vertical reporting of data related to K-12 elementary and secondary professional employees.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is a "transient" value; that is, it SHOULD be generated by the provider at the time the object is provided in a Response message. This value MUST NOT be used in a later Request for the object.	RefIdType
	ReportDate	M		Date that report snapshot was generated	xs:date

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2004" for the 2003-04 school year).	SchoolYearType
	StateProvinceId	M	000365 https://ceds.ed.gov/element/000365	State assigned reporting unit number	StateProvinceIdType
	SSN	M	000259 https://ceds.ed.gov/element/000259	Employee social security number	xs:normalizedString
	Name	M		Name of employee.	NameType
	Demographics	O		This element contains information related to employee demographics.	DemographicsType
	Race	M		Primary employee's race	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Hispanic	O			EmployeeCredentialHispanicType
	Certifications	M		Employee certifications	EmployeeCertificationListType
	Salary	M	000295 https://ceds.ed.gov/element/000295	Employee's salary	MonetaryAmountType
	Status	M			EmployeeCredentialStatusType
	Leave	M			EmployeeCredentialLeaveType
	TotalYears	M		Total number of years employee has been in a professional position	xs:decimal
	UnitYears	M		Total number of years at current LEA	xs:decimal
	Education	M			EmployeeCredentialEducationType
	TeachingCredentialType	OR			EmployeeCredentialTeachingCredentialTypeType
	TeachingCredentialStartDate	O	000070 https://ceds.ed.gov/element/000070	The year, month and day on which an active credential was issued to a person.	xs:date
	TeachingCredentialEndDate	O	000069 https://ceds.ed.gov/element/000069	The year, month and day on which an active credential held by a person will expire.	xs:date
	HighlyQualifiedTeacherIndicator	O	000142 https://ceds.ed.gov/element/000142		EmployeeCredentialHighlyQualifiedTeacherIndicatorType
	ParaprofessionalQualificationStatus	O	000207 https://ceds.ed.gov/element/000207		EmployeeCredentialParaprofessionalQualificationStatusType
	TerminationCode	O			EmployeeCredentialTerminationCodeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BackgroundChecks	O		List of background checks performed on employee	BackgroundCheckListType
	Assignments	M		List of employee assignments to schools	EmployeeCredentialAssignmentListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.14.2-1: EmployeeCredential

JSON


```
{
  "EmployeeCredential": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "ReportDate": "2004-01-15",
    "SchoolYear": "2004",
    "StateProvinceId": "123456",
    "SSN": "590651225",
    "Name": {
      "Type": "04",
      "LastName": "Silverberg",
      "FirstName": "Betty"
    },
    "Demographics": {
      "Gender": {
        "value": "F"
      }
    },
    "Race": {
      "value": "0998"
    },
    "Hispanic": {
      "value": "No"
    },
    "Certifications": {
      "Certification": [
        {
          "Description": "Secondary Math",
          "AreaAuthorized": {
            "value": "1166"
          }
        }
      ]
    },
    "Salary": {
      "Currency": "USD",
      "value": 35000
    },
    "Status": {
      "value": "1379"
    },
    "Leave": {
      "value": "No"
    },
    "TotalYears": 12,
    "UnitYears": 12,
    "Education": {
      "value": "1237"
    },
    "TeachingCredentialType": [
      "1222"
    ],
    "TerminationCode": {
      "value": "1387"
    },
    "BackgroundChecks": {
      "BackgroundCheck": [
        {
          "Type": {
            "value": "1420"
          },
          "Date": "2004-01-10",
          "Description": "FBI background check"
        }
      ]
    },
    "Assignments": {
      "Assignment": [
        {
          "SchoolInfoRefId": "72348623487623488AB9827349872349",
          "GradeLevels": {
            "GradeLevel": [
              {
                "Code": {
                  "value": "11"
                }
              },
              {
                "Code": {
                  "value": "12"
                }
              }
            ]
          },
          "JobFunction": {
            "Code": {
              "value": "1000"
            }
          },
          "FTE": 1.0
        }
      ]
    }
  }
}
```


XML

```
<EmployeeCredential RefId="359D75101AD0A9D7A8C3DAD0A85103A2">
  <ReportDate>2004-01-15</ReportDate>
  <SchoolYear>2004</SchoolYear>
  <StateProvinceId>123456</StateProvinceId>
  <SSN>590651225</SSN>
  <Name Type="04">
    <LastName>Silverberg</LastName>
    <FirstName>Betty</FirstName>
  </Name>
  <Demographics>
    <Gender>F</Gender>
  </Demographics>
  <Race>0998</Race>
  <Hispanic>No</Hispanic>
  <Certifications>
    <Certification>
      <Description>Secondary Math</Description>
      <AreaAuthorized>1166</AreaAuthorized>
    </Certification>
  </Certifications>
  <Salary Currency="USD">35000</Salary>
  <Status>1379</Status>
  <Leave>No</Leave>
  <TotalYears>12</TotalYears>
  <UnitYears>12</UnitYears>
  <Education>1237</Education>
  <TeachingCredentialType>1222</TeachingCredentialType>
  <TerminationCode>1387</TerminationCode>
  <BackgroundChecks>
    <BackgroundCheck>
      <Type>1420</Type>
      <Date>2004-01-10</Date>
      <Description>FBI background check</Description>
    </BackgroundCheck>
  </BackgroundChecks>
  <Assignments>
    <Assignment>
      <SchoolInfoRefId>72348623487623488AB9827349872349</SchoolInfoRefId>
      <GradeLevels>
        <GradeLevel>
          <Code>11</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>12</Code>
        </GradeLevel>
      </GradeLevels>
      <JobFunction>
        <Code>1000</Code>
      </JobFunction>
      <FTE>1.0</FTE>
    </Assignment>
  </Assignments>
</EmployeeCredential>
```

Example 3.14.2-1: EmployeeCredential

3.14.3 EmployeeCredit

This object contains information about courses and activities taken by employees.

SIF_Events are reported for this object.

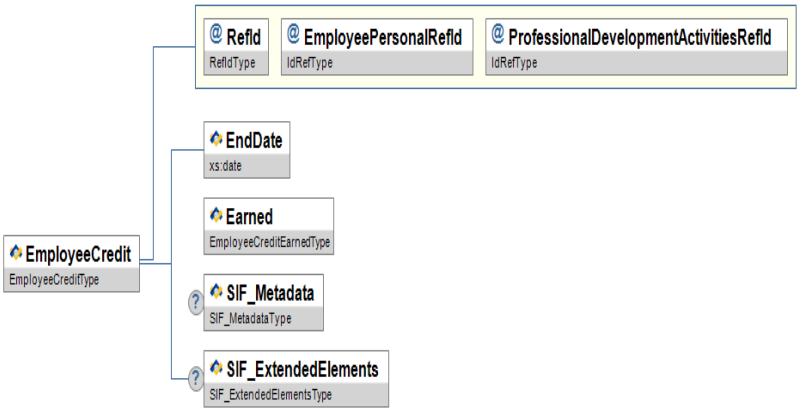


Figure 3.14.3-1: EmployeeCredit

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCredit			This object contains information about courses and activities taken by employees.	
@	RefId	M		This is the GUID for this object.	RefIdType
@	EmployeePersonalRefId	M		References EmployeePersonal object.	IdRefType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	ProfessionalDevelopmentActivitiesRefId	M		References the ProfessionalDevelopmentActivities object	IdRefType
	EndDate	M		Date in which the course or activity was completed and awarded credit.	xs:date
	Earned	M		The number of units earned	EmployeeCreditEarnedType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.14.3-1: EmployeeCredit

JSON


```
{
  "EmployeeCredit": {
    "RefId": "BC2078BA3261545A31905937B265CE01",
    "EmployeePersonalRefId": "BE3078BA3261545A31905937B265CE01",
    "ProfessionalDevelopmentActivitiesRefId": "FD4078BA3261545A31905937B265CE01",
    "EndDate": "2003-05-20",
    "Earned": {
      "Type": "Credits",
      "value": 3.4
    }
  }
}
```


XML


```
<EmployeeCredit RefId="BC2078BA3261545A31905937B265CE01" EmployeePersonalRefId="BE3078BA3261545A31905937B265CE01" ProfessionalDevelopmentActivitiesRefId
  <EndDate>2003-05-20</EndDate>
  <Earned Type="Credits">3.4</Earned>
</EmployeeCredit>
```


Example 3.14.3-1: EmployeeCredit

3.14.4 EmployeeRecertification

This object contains information about employee continuing professional course and activity credits and hours taken by employees for recertification purposes. It is used as a vertical reporting snapshot-type object to transmit information regarding professional continuing education courses and activities completed by employees to maintain their current educational certification(s) within a given state.

SIF_Events are not reported for this object.

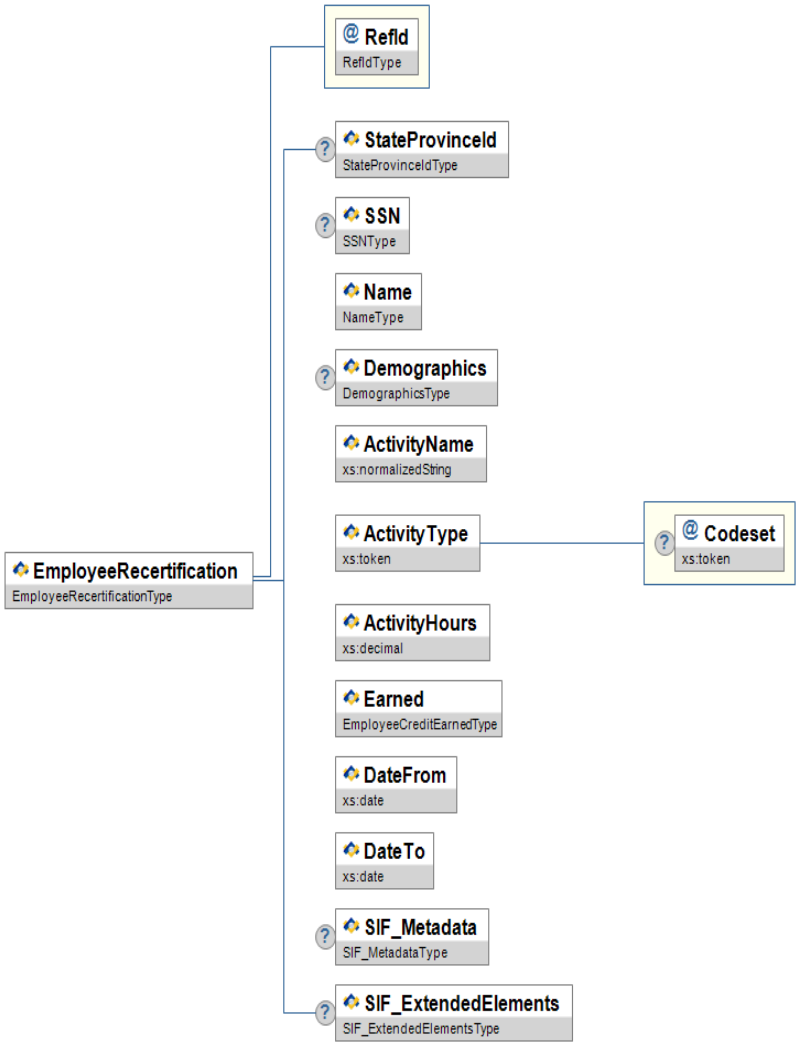


Figure 3.14.4-1: EmployeeRecertification

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeRecertification			This object contains information about employee continuing professional course and activity credits and hours taken by employees for recertification purposes. It is used as a vertical reporting snapshot-type object to transmit information regarding professional continuing education courses and activities completed by employees to maintain their current educational certification(s) within a given state.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is a "transient" value; that is, it SHOULD be generated by the provider at the time the object is provided in a Response message. This value MUST NOT be used in a later Request for the object.	RefIdType
	StateProvinceId	C		The state-assigned identifier for this staff member. This element or `SSN`, or both, must be included.	StateProvinceIdType
	SSN	C		Employee Social Security Number. This element or `StateProvinceId`, or both, must be included.	SSNType
	Name	M		Name of employee.	NameType
	Demographics	O		This element contains information related to employee demographics.	DemographicsType
	ActivityName	M		Name of the course or activity	xs:normalizedString

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ActivityType	M		Type of course or activity	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ActivityHours	M		Total activity hours/total clock hours	xs:decimal
	Earned	M		Hours attended or credits earned by the employee	EmployeeCreditEarnedType
	DateFrom	M		Start date of the course or activity	xs:date
	DateTo	M		Ending date of the course or activity	xs:date
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.14.4-1: EmployeeRecertification

JSON

```
{
  "EmployeeRecertification": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "SSN": "123456789",
    "Name": {
      "Type": "04",
      "LastName": "Johnson",
      "FirstName": "Alicia"
    },
    "Demographics": {
      "Gender": {
        "value": "F"
      }
    },
    "ActivityName": "Elementary IU Staff Inservice",
    "ActivityType": {
      "value": "Activity"
    },
    "ActivityHours": 5,
    "Earned": {
      "Type": "Credits",
      "value": 1.5
    },
    "DateFrom": "2003-07-01",
    "DateTo": "2003-07-01"
  }
}
```

XML

```
<EmployeeRecertification RefId="359D75101AD0A9D7A8C3DAD0A85103A2">
  <SSN>123456789</SSN>
  <Name Type="04">
    <LastName>Johnson</LastName>
    <FirstName>Alicia</FirstName>
  </Name>
  <Demographics>
    <Gender>F</Gender>
  </Demographics>
  <ActivityName>Elementary IU Staff Inservice</ActivityName>
  <ActivityType>Activity</ActivityType>
  <ActivityHours>5</ActivityHours>
  <Earned Type="Credits">1.5</Earned>
  <DateFrom>2003-07-01</DateFrom>
  <DateTo>2003-07-01</DateTo>
</EmployeeRecertification>
```

Example 3.14.4-1: EmployeeRecertification

3.14.5 ProfessionalDevelopmentActivities

This object contains information about courses and activities for which employees can earn credits or hours to maintain their certification.

SIF_Events are reported for this object.

Figure 3.14.5-1: ProfessionalDevelopmentActivities

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ProfessionalDevelopmentActivities			This object contains information about courses and activities for which employees can earn credits or hours to maintain their certification.	
@	RefId	M		GUID for this object.	RefIdType
@	ActivityProviderRefId	M		References the ActivityProvider object	IdRefType
	ProfessionalDevelopmentProgramRefId	O		Reference to associated professional development program.	IdRefType
	LearningStandardItems	O		Associated `LearningStandardItem` objects.	LearningStandardItemRefIdListType
	LocalId	M		Locally assigned number or provider referenced course number used to represent the course or activity	LocalIdType
	StartDate	M		The starting date of the course or activity	xs:date
	EndDate	M		The ending date of the course or activity	xs:date

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Description	M		The description of the course or activity	xs:string
	ClockHours	M		The actual number of hours required for the course or activity	xs:decimal
	Credits	O		Number of credits that can be earned by completing the course or activity.	xs:decimal
	Stipend	O		Tracks stipend being offered for this particular activity.	MonetaryAmountType
	FundingSource	O		Tracks the source of funding for this particular activity.	xs:string
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.14.5-1: ProfessionalDevelopmentActivities

JSON

```
{
  "ProfessionalDevelopmentActivities": {
    "RefId": "CCD1254884AE54687FF4567DACD34653",
    "ActivityProviderRefId": "CAD125488EE54687FF4567DACD346532",
    "ProfessionalDevelopmentProgramRefId": "8BCFB9B7A6BC4895818E5A46C0B431E9",
    "LearningStandardItems": {
      "LearningStandardItemRefId": [
        "38473628DAE38FCD8379DE285AAAC328"
      ]
    },
    "LocalId": "305.0",
    "StartDate": "2003-05-02",
    "EndDate": "2003-05-03",
    "Description": "In-service on recognizing child abuse",
    "ClockHours": 16,
    "Credits": 1.2,
    "Stipend": {
      "value": 50.0
    },
    "FundingSource": "Reading First Grant"
  }
}
```

XML

```
<ProfessionalDevelopmentActivities RefId="CCD1254884AE54687FF4567DACD34653" ActivityProviderRefId="CAD125488EE54687FF4567DACD346532">
  <ProfessionalDevelopmentProgramRefId>8BCFB9B7A6BC4895818E5A46C0B431E9</ProfessionalDevelopmentProgramRefId>
  <LearningStandardItems>
    <LearningStandardItemRefId>38473628DAE38FCD8379DE285AAAC328</LearningStandardItemRefId>
  </LearningStandardItems>
  <LocalId>305.0</LocalId>
  <StartDate>2003-05-02</StartDate>
  <EndDate>2003-05-03</EndDate>
  <Description>In-service on recognizing child abuse</Description>
  <ClockHours>16</ClockHours>
  <Credits>1.2</Credits>
  <Stipend>50.00</Stipend>
  <FundingSource>Reading First Grant</FundingSource>
</ProfessionalDevelopmentActivities>
```

Example 3.14.5-1: ProfessionalDevelopmentActivities

3.14.6 ProfessionalDevelopmentProgram

The purpose of this object is for tracking sets of professional development activities. It creates a high-level relationship between professional development activities for tracking training programs, grant-funded professional development, or potentially individually created learning programs. The case for interoperability is that financial systems and instructional systems need to be aware of professional development programs for funding or alignment respectively.

SIF_Events are reported for this object.

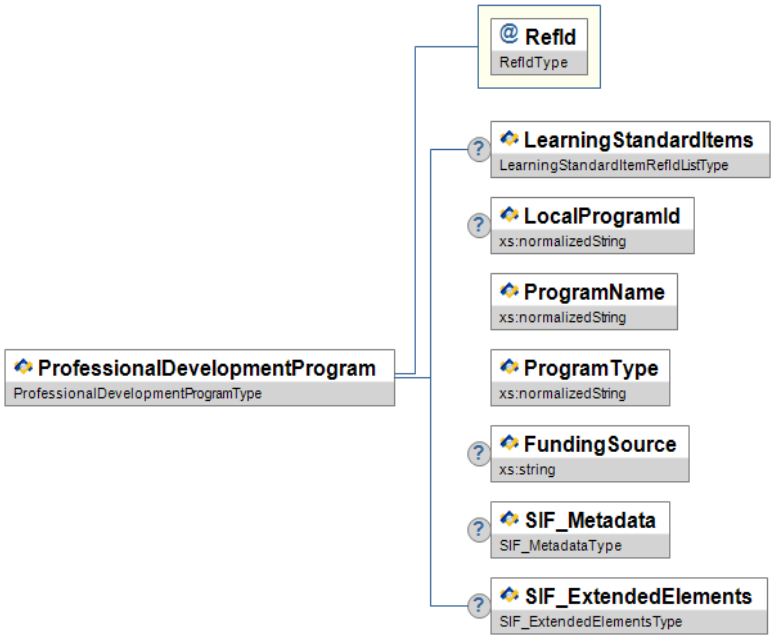


Figure 3.14.6-1: ProfessionalDevelopmentProgram

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ProfessionalDevelopmentProgram			Container for external relationships.	
@	RefId	M		GUID for this object.	RefIdType
	LearningStandardItems	O		Associated `LearningStandardItem` objects.	LearningStandardItemRefIdListType
	LocalProgramId	O		An element for setting local program identifiers.	xs:normalizedString
	ProgramName	M		The name or title of the program.	xs:normalizedString
	ProgramType	M		The type of program whether it be a grant, learning plan, or system training.	xs:normalizedString
	FundingSource	O		The funding source of the program.	xs:string
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.14.6-1: ProfessionalDevelopmentProgram

JSON


```
{
 "ProfessionalDevelopmentProgram": {
   "RefId": "E6F37470472D49EE86C1FA8EE47D8244",
   "LearningStandardItems": {
     "LearningStandardItemRefId": [
       "241A53AFBA3176EF062367CFCC2900BC"
     ]
   },
   "LocalProgramId": "RI123",
   "ProgramName": "Reading First Grant",
   "ProgramType": "Grant"
 }
}
```


XML

```
<ProfessionalDevelopmentProgram RefId="E6F37470472D49EE86C1FA8EE47D8244">
  <LearningStandardItems>
    <LearningStandardItemRefId>241A53AFBA3176EF062367CFCC2900BC</LearningStandardItemRefId>
  </LearningStandardItems>
  <LocalProgramId>RI123</LocalProgramId>
  <ProgramName>Reading First Grant</ProgramName>
  <ProgramType>Grant</ProgramType>
</ProfessionalDevelopmentProgram>
```

Example 3.14.6-1: ProfessionalDevelopmentProgram

3.14.7 ProfessionalDevelopmentRegistration

This object tracks the status of the user in a professional development activity. It includes where the user is in terms of the status of completion, if a stipend is to be provided and the amount of that stipend.

SIF_Events are reported for this object.

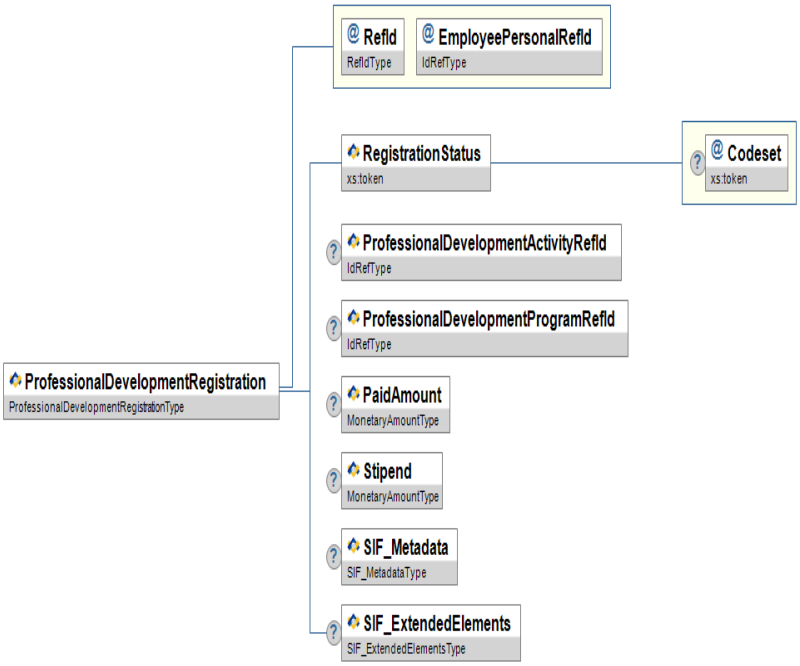


Figure 3.14.7-1: ProfessionalDevelopmentRegistration

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ProfessionalDevelopmentRegistration				
@	RefId	M			RefIdType
@	EmployeePersonalRefId	M		Who this record affects.	IdRefType
	RegistrationStatus	M		Tracks the status of the user in the professional development activity.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ProfessionalDevelopmentActivityRefId	O		Relationship Id for professional development activity.	IdRefType
	ProfessionalDevelopmentProgramRefId	O		Relationship Id for professional development program.	IdRefType
	PaidAmount	O		This optional field is used if there is a fee for the professional development activity and for tracking the amount the user paid to participate in the professional development activity.	MonetaryAmountType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Stipend	O		Optional field for tracking the amount the user is paid to participate in the professional development activity.	MonetaryAmountType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.14.7-1: ProfessionalDevelopmentRegistration

JSON

```
{
  "ProfessionalDevelopmentRegistration": {
    "RefId": "ACB1254742AE54CC874567DFCD196832",
    "EmployeePersonalRefId": "D4E1EA3D82614CA39361514E5F115B14",
    "RegistrationStatus": {
      "value": "Registered"
    },
    "ProfessionalDevelopmentActivityRefId": "13F1BD47F2AE862C874567ABE4196DD1",
    "PaidAmount": {
      "Currency": "USD",
      "value": 25
    },
    "Stipend": {
      "Currency": "USD",
      "value": 500
    }
  }
}
```

XML

```
<ProfessionalDevelopmentRegistration RefId="ACB1254742AE54CC874567DFCD196832" EmployeePersonalRefId="D4E1EA3D82614CA39361514E5F115B14">
  <RegistrationStatus>Registered</RegistrationStatus>
  <ProfessionalDevelopmentActivityRefId>13F1BD47F2AE862C874567ABE4196DD1</ProfessionalDevelopmentActivityRefId>
  <PaidAmount Currency="USD">25</PaidAmount>
  <Stipend Currency="USD">500</Stipend>
</ProfessionalDevelopmentRegistration>
```

Example 3.14.7-1: ProfessionalDevelopmentRegistration

3.15 Special Programs Working Group

The Special Programs Working Group's mission is to focus on support within SIF for effective data exchange regarding special education and other individualized programs.

3.15.1 StudentCareerTechnical

For a person for whom instruction, services, and/or care are provided in a Career and Technical Education program and who has met the state-defined threshold of Career and Technical Education participation, as defined in the state's approved Perkins IV State Plan.

SIF_Events are reported for this object.

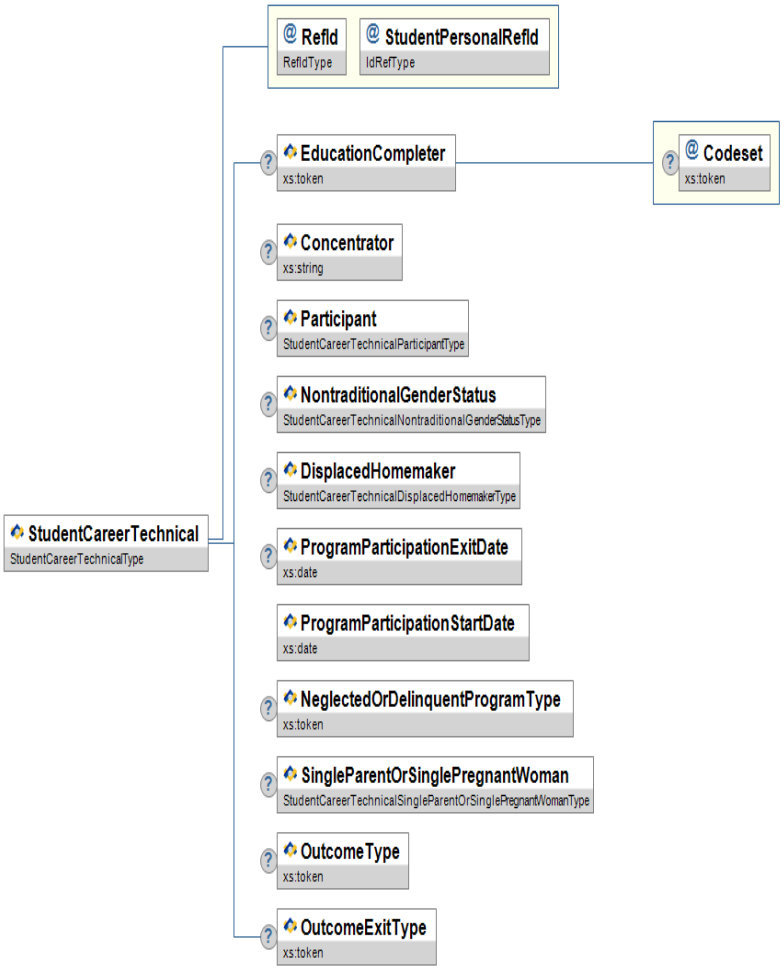


Figure 3.15.1-1: StudentCareerTechnical

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentCareerTechnical			Holds career and technical elements for a student.	
@	RefId	M		The Id (GUID) that uniquely identifies the record.	RefIdType
@	StudentPersonalRefId	M		The Id (GUID) that identifies the school where federal funds being tracked.	IdRefType
	EducationCompleter	O	000036 https://ceds.ed.gov/element/000036	An indication of a student who reached a state-defined threshold of a career and technical education program/pathway.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Concentrator	O		An indication of a student who has met the state-defined threshold of career and technical education concentrators, as defined in the State's approved Perkins IV State Plan.	xs:string
	Participant	O			StudentCareerTechnicalParticipantType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	NontraditionalGenderStatus	O			StudentCareerTechnicalNontraditionalGenderStatusType
	DisplacedHomemaker	O			StudentCareerTechnicalDisplacedHomemakerType
	ProgramParticipationExitDate	O	000263 https://ceds.ed.gov/element/000263	The year, month and day on which the person ceased to participate in a program.	xs:date
	ProgramParticipationStartDate	M	000590 https://ceds.ed.gov/element/000590	The year, month and day on which the person began to participate in a program.	xs:date
	NeglectedOrDelinquentProgramType	O	000194 https://ceds.ed.gov/element/000194	The year, month and day on which the person began to participate in a program.The type of program under ESEA Title I, Part D, Subpart 1 (state programs) or Subpart 2 (LEA).	xs:token
	SingleParentOrSinglePregnantWoman	O			StudentCareerTechnicalSingleParentOrSinglePregnantWomanType
	OutcomeType	O	001978 https://ceds.ed.gov/element/001978	The type of academic or career and technical outcome attained while enrolled in the program.	xs:token
	OutcomeExitType	O	001979 https://ceds.ed.gov/element/001979	The type of academic or career and technical outcome attained up to 90 days after exiting the facility or program.	xs:token

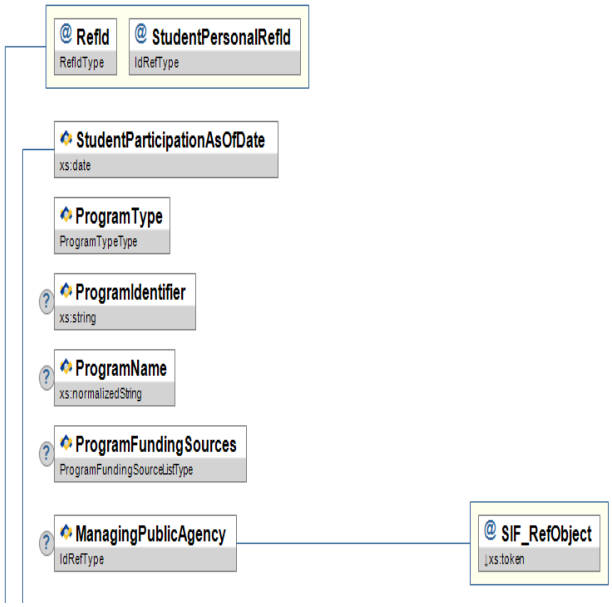
Table 3.15.1-1: StudentCareerTechnical

3.15.2 StudentParticipation

This object contains information pertaining to student eligibility for and participation in an individualized special program such as special education, ESL, Section 504, etc.

Multiple instances of this object may be transmitted for a particular student because the student may participate in multiple programs and because the details of a student's participation in a given program may change over time. A separate instance of this object must be generated for each program in which the student participates, and the `ProgramType` element is used to identify the particular program. In addition, each time the student's participation profile changes for a particular program, a new instance of this object must be generated with the appropriate value in the `ProgramType` element, the effective date of the new profile in `StudentParticipationAsOfDate`, and a new `RefId`.

SIF_Events are reported for this object.



StudentParticipation
StudentParticipationType
ManagingSchool
StudentParticipationManagingSchoolType
PartCTransitionMeetingNotHeldReasons
PartCTransitionMeetingNotHeldReasonListType
PartCTransitionMeetingDate
xs:date
PartCTransitionMeetingOutcomes
PartCTransitionMeetingOutcomeListType
ReferralDate
xs:date
ReferralSource
ReferralSourceType
ProgramStatus
ProgramStatusType
GiftedEligibilityCriteria
xs:token
EvaluationParentalConsentDate
xs:date
EvaluationDate
xs:date
EvaluationExtensionDate
xs:date
ExtensionComments
xs:string
ReevaluationDate
xs:date
ExceptionalityCategories
ExceptionalityCategoryListType
ProgramEligibilityDate
xs:date
ProgramPlanType
ProgramPlanTypeType
ProgramPlanDate
xs:date
ProgramPlanEffectiveDate
xs:date
NOREPDate
xs:date
PlacementParentalConsentDate
xs:date
ProgramPlacementDate
xs:date
ProgramPlacementReason
xs:normalizedString
LeastRestrictiveEnvironment
LeastRestrictiveEnvironmentType
ExtendedSchoolYear
xs:boolean
ExtendedDay
xs:boolean
ProgramAvailability
ProgramAvailabilityType

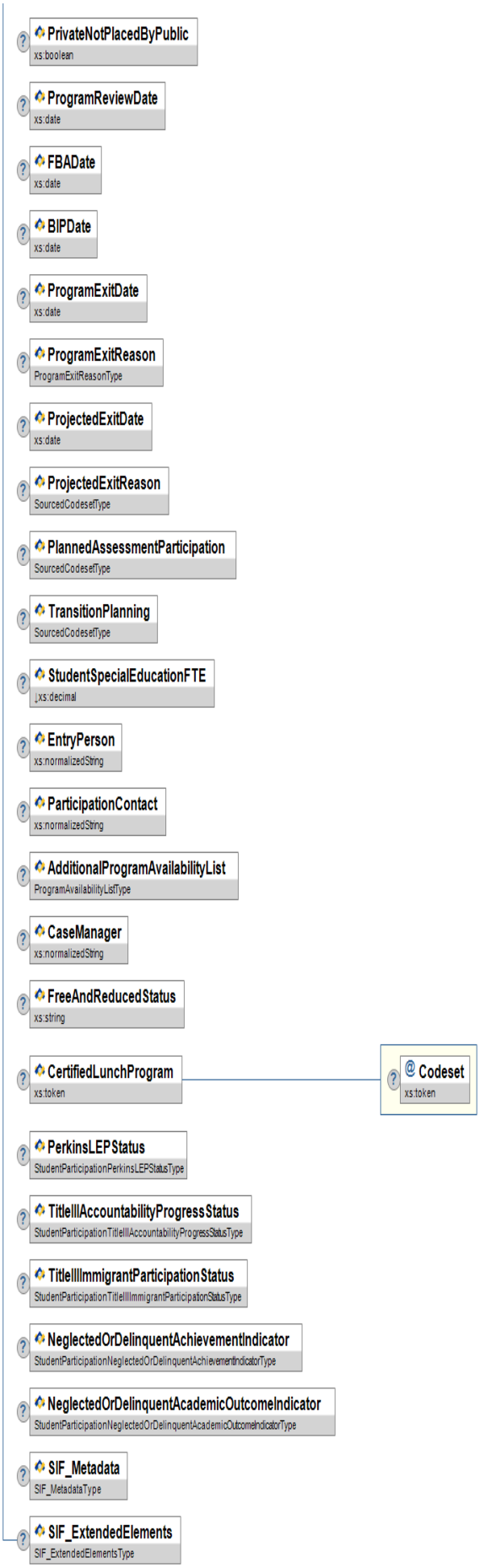


Figure 3.15.2-1: StudentParticipation

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentParticipation			This object contains information pertaining to student eligibility for and participation in an individualized special program such as special education, ESL, Section 504, etc. Multiple instances of this object may be transmitted for a particular student because the student may participate in multiple programs and because the details of a student's participation in a given program may change over time. A separate instance of this object must be generated for each program in which the student participates, and the `ProgramType` element is used to identify the particular program. In addition, each time the student's participation profile changes for a particular program, a new instance of this object must be generated with the appropriate value in the `ProgramType` element, the effective date of the new profile in `StudentParticipationAsOfDate`, and a new `RefId`.	
@	RefId	M		This is the unique identification code	`RefIdType`
@	StudentPersonalRefId	M		The GUID of the student that this object is linked to.	`IdRefType`
	StudentParticipationAsOfDate	M	000590 https://ceds.ed.gov/element/000590	Effective date (NOT the entry date) of this `StudentParticipation` instance for the identified student and program. Each time there is a change to the student's program participation profile, a new instance of this object is to be generated with the appropriate `StudentParticipationAsOfDate` and a new `RefId`.	`xs:date`
	ProgramType	M			`ProgramTypeType`
	ProgramIdentifier	O	000625 https://ceds.ed.gov/element/000625	A unique number or alphanumeric code assigned to a program by a school, school system, a state, or other agency or entity.	`xs:string`
	ProgramName	O	000626 https://ceds.ed.gov/element/000626	The name or title of the program.	`xs:normalizedString`
	ProgramFundingSources	O			`ProgramFundingSourceListType`

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ManagingPublicAgency	O		The GUID of the public agency (a district / LEA) to which the "ManagingSchool" reports / belongs.	IdRefType
@	SIF_RefObject	M			values: LEAInfo
	ManagingSchool	O			StudentParticipationManagingSchoolType
	PartCTransitionMeetingNotHeldReasons	O			PartCTransitionMeetingNotHeldReasonListType
	PartCTransitionMeetingDate	O		Date the transition meeting was held for a Part C child.	xs:date
	PartCTransitionMeetingOutcomes	O			PartCTransitionMeetingOutcomeListType
	ReferralDate	O		Date student was referred for evaluation/program participation.	xs:date
	ReferralSource	O			ReferralSourceType
	ProgramStatus	O			ProgramStatusType
	GiftedEligibilityCriteria	O		State / local code used to determine eligibility for Gifted / Talented program.	xs:token
	EvaluationParentalConsentDate	O		Date parent(s) consented to completion of evaluation of child for program participation.	xs:date
	EvaluationDate	O		Date the evaluation/assessment process for student was completed.	xs:date
	EvaluationExtensionDate	O		Actual date by which evaluation must be completed (for state use in determining timeliness in event that parent and LEA agreed to an extension beyond normal state deadline).	xs:date
	ExtensionComments	O		Contains any comments on the extension. Optional even if an EvaluationExtensionDate is present.	xs:string
	ReevaluationDate	O		Date students will be reevaluated for continued placement in a support program(s).	xs:date
	ExceptionalityCategories	O			ExceptionalityCategoryListType
	ProgramEligibilityDate	O	000590 https://ceds.ed.gov/element/000590	Date student is eligible for beginning the support program(s).	xs:date
	ProgramPlanType	O			ProgramPlanTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ProgramPlanDate	O		Date the most recent program plan was completed and approved by the team responsible for developing it. The date the parent consented to placement is NOREPDate.	xs:date
	ProgramPlanEffectiveDate	O		Date by which the plan must be implemented for the student.	xs:date
	NOREPDate	O		Date the Notice of Recommended Educational Placement was signed and approved by the parent / guardian of the student.	xs:date
	PlacementParentalConsentDate	O		Date the parent(s) consented to the proposed placement.	xs:date
	ProgramPlacementDate	O	001227 https://ceds.ed.gov/element/001227	Date student began the support program.	xs:date
	ProgramPlacementReason	O	001922 https://ceds.ed.gov/element/001922	Why the student was placed in the support program.	xs:normalizedString
	LeastRestrictiveEnvironment	O			LeastRestrictiveEnvironmentType
	ExtendedSchoolYear	O		For special education, indicates whether Extended School Year (ESY) / summer services have been determined as necessary	xs:boolean
	ExtendedDay	O		For special education, indicates whether Extended School Day (ESD) services have been determined as necessary.	xs:boolean
	ProgramAvailability	O			ProgramAvailabilityType
	PrivateNotPlacedByPublic	O		Indicates whether the student is enrolled by a parent/guardian in a private school and has special education/services provided at public expense. Necessary for the OSEP federal IDEA reports..	xs:boolean
	ProgramReviewDate	O		Projected date of the program plan review (for IDEA, the projected annual IEP review date).	xs:date

Element/@Attribute	Char	CEDS Id/URL	Description	Type
FBADate	O		The most recent date on which the IEP Team completed a full and comprehensive review of all functional behavioral assessment materials.	xs:date
BIPDate	O		The most recent date on which the IEP Team approved a behavioral intervention plan.	xs:date
ProgramExitDate	O	001228 https://ceds.ed.gov/element/001228	Date student exited support program(s).	xs:date
ProgramExitReason	O			ProgramExitReasonType
ProjectedExitDate	O		The date on which it is projected that a student will exit program. Has typically been provided when student turns 14; under new IDEA, may change to 16.	xs:date
ProjectedExitReason	O	000222 https://ceds.ed.gov/element/000222	Review by program / state. May be required if a ProjectedExitDate is present. The projected reason for a student's exit from program.	SourcedCodesetType
PlannedAssessmentParticipation	O		The student's planned level of participation in statewide assessments. Examples Accommodations - Students with Disabilities Accommodations - Students with temporary or long-term disabilities and Section 504 students Accommodations - English Language Learners Exempted Students - Transfer Excused - Prior to Test Excused - During Testing	SourcedCodesetType
TransitionPlanning	O		Purpose / goal for recommended transition planning services. Examples Postsecondary Ed - transition services should be targeted toward postsecondary education Employment - transition services should be targeted toward employment Community Living - transition services should be targeted toward community living NA - not applicable (e.g., student is younger than age 16)	SourcedCodesetType
StudentSpecialEducationFTE	O		Calculated ratio of time the student is in a special ed setting. Values range from 0.00 to 1.00. If the student is in a special ed setting 25% of the time, the value is .25; if 100% of the time, the value is 1.00.	xs:decimal xs:minInclusive 0 xs:maxInclusive 1 xs:fractionDigits 2

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EntryPerson	O		Identification / name of the person who created the transaction that led to the creation of this instance of the object.	xs:normalizedString
	ParticipationContact	O		Primary contact for this record.	xs:normalizedString
	AdditionalProgramAvailabilityList	O			ProgramAvailabilityListType
	CaseManager	O		The name of the case manager responsible for the academic plans of this student.	xs:normalizedString
	FreeAndReducedStatus	O	000092 https://ceds.ed.gov/element/000092	Student's eligibility for free and reduced meals.	xs:string
	CertifiedLunchProgram	O	001654 https://ceds.ed.gov/element/001654	Indicates that the student's National School Lunch Program (NSLP) eligibility has been determined through direct certification.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	PerkinsLEPStatus	O			StudentParticipationPerkinsLEPStatusType
	TitleIIIAccountabilityProgressStatus	O			StudentParticipationTitleIIIAccountabilityProgressSta
	TitleIIIImmigrantParticipationStatus	O			StudentParticipationTitleIIIImmigrantParticipationSta
	NeglectedOrDelinquentAchievementIndicator	O			StudentParticipationNeglectedOrDelinquentAchievement
	NeglectedOrDelinquentAcademicOutcomeIndicator	O			StudentParticipationNeglectedOrDelinquentAcademicOut
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.15.2-1: StudentParticipation

JSON

```
{
  "StudentParticipation": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "StudentPersonalRefId": "A2E34F59A742C1A4B3D11CC002B163A2",
    "StudentParticipationAsOfDate": "2006-07-13",
    "ProgramType": {
      "Code": {
        "value": "0270"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "StateProvince",
            "value": "0839"
          }
        ]
      }
    },
    "ProgramName": "Digital Learning Workshop",
    "ProgramFundingSources": {
      "ProgramFundingSource": [
        {
          "Code": {
            "value": "0797"
          }
        }
      ]
    },
    "ManagingPublicAgency": {
      "SIF_RefObject": "LEAInfo",
      "value": "F3434F59A742C1A4B3D11CC002B163A2"
    },
    "ManagingSchool": {
      "SIF_RefObject": "SchoolInfo",
      "value": "D93F4D183A42C1A4B3D11CC002B163A2"
    },
    "PartCTransitionMeetingDate": "2006-04-09",
    "PartCTransitionMeetingOutcomes": {
      "PartCTransitionMeetingOutcome": [
        {
          "Code": {
            "value": "S001"
          }
        }
      ]
    },
    "ReferralDate": "2005-09-04",
    "ReferralSource": {
      "Code": {
        "value": "2148"
      }
    },
    "ProgramStatus": {
      "Code": {
        "value": "S004"
      }
    },
    "GiftedEligibilityCriteria": "G938",
    "EvaluationParentalConsentDate": "2005-11-09",
    "EvaluationDate": "2005-11-25",
    "EvaluationExtensionDate": "2005-12-10",
    "ExtensionComments": "Reason that extension was allowed",
    "ReevaluationDate": "2008-11-25",
    "ExceptionalityCategories": {
      "ExceptionalityCategory": [
        {
          "Code": {
            "value": "2121"
          },
          "ExceptionalityPriority": "Primary"
        },
        {
          "Code": {
            "value": "2134"
          },
          "ExceptionalityPriority": "Secondary"
        },
        {
          "Code": {
            "value": "2127"
          },
          "ExceptionalityPriority": "Tertiary"
        }
      ]
    },
    "ProgramEligibilityDate": "2006-01-04",
    "ProgramPlanType": {
      "Code": {
        "value": "2196"
      }
    },
    "ProgramPlanDate": "2006-01-02",
    "NOREPDate": "2006-01-09",
    "PlacementParentalConsentDate": "2006-01-02",
    "ProgramPlacementDate": "2006-01-09",
    "LeastRestrictiveEnvironment": {
      "Code": {
        "value": "0135"
      }
    },
    "ExtendedSchoolYear": true,
    "ExtendedDay": false,
    "ProgramAvailability": {
      "Code": {
        "value": "0231"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "StateProvince",
            "value": "2674"
          }
        ]
      }
    },
    "PrivateNotPlacedByPublic": true,
    "ProgramReviewDate": "2007-01-09",
    "FBADate": "2006-04-15",
    "BIPDate": "2006-04-24",
    "ProgramExitReason": {
      "Code": {
        "value": "2216"
      }
    },
    "ProjectedExitDate": "2009-01-04",
    "ProjectedExitReason": {
      "Codeset": "StateProvince",
      "value": "9568"
    },
    "PlannedAssessmentParticipation": {
      "Codeset": "StateProvince",
      "value": "Accommodations - Students with Disabilities"
```

```
    },
    "TransitionPlanning": {
      "Codeset": "StateProvince",
      "value": "Postsecondary Ed - transition services should be targeted toward postsecondary education"
    },
    "StudentSpecialEducationFTE": 0.45,
    "EntryPerson": "Jill Anderson",
    "ParticipationContact": "John Mason"
  }
}
```


XML


```
<StudentParticipation RefId="D3E34B359D75101A8C3D00AA001A1652" StudentPersonalRefId="A2E34F59A742C1A4B3D11CC002B163A2">
  <StudentParticipationAsOfDate>2006-07-13</StudentParticipationAsOfDate>
  <ProgramType>
    <Code>0270</Code>
    <OtherCodeList>
      <OtherCode Codeset="StateProvince">0839</OtherCode>
    </OtherCodeList>
  </ProgramType>
  <ProgramName>Digital Learning Workshop</ProgramName>
  <ProgramFundingSources>
    <ProgramFundingSource>
      <Code>0797</Code>
    </ProgramFundingSource>
  </ProgramFundingSources>
  <ManagingPublicAgency SIF_RefObject="LEAInfo">F3434F59A742C1A4B3D11CC002B163A2</ManagingPublicAgency>
  <ManagingSchool SIF_RefObject="SchoolInfo">D93F4D183A42C1A4B3D11CC002B163A2</ManagingSchool>
  <PartCTransitionMeetingDate>2006-04-09</PartCTransitionMeetingDate>
  <PartCTransitionMeetingOutcomes>
    <PartCTransitionMeetingOutcome>
      <Code>S001</Code>
    </PartCTransitionMeetingOutcome>
  </PartCTransitionMeetingOutcomes>
  <ReferralDate>2005-09-04</ReferralDate>
  <ReferralSource>
    <Code>2148</Code>
  </ReferralSource>
  <ProgramStatus>
    <Code>S004</Code>
  </ProgramStatus>
  <GiftedEligibilityCriteria>G938</GiftedEligibilityCriteria>
  <EvaluationParentalConsentDate>2005-11-09</EvaluationParentalConsentDate>
  <EvaluationDate>2005-11-25</EvaluationDate>
  <EvaluationExtensionDate>2005-12-10</EvaluationExtensionDate>
  <ExtensionComments>Reason that extension was allowed</ExtensionComments>
  <ReevaluationDate>2008-11-25</ReevaluationDate>
  <ExceptionalityCategories>
    <ExceptionalityCategory>
      <Code>2121</Code>
      <ExceptionalityPriority>Primary</ExceptionalityPriority>
    </ExceptionalityCategory>
    <ExceptionalityCategory>
      <Code>2134</Code>
      <ExceptionalityPriority>Secondary</ExceptionalityPriority>
    </ExceptionalityCategory>
    <ExceptionalityCategory>
      <Code>2127</Code>
      <ExceptionalityPriority>Tertiary</ExceptionalityPriority>
    </ExceptionalityCategory>
  </ExceptionalityCategories>
  <ProgramEligibilityDate>2006-01-04</ProgramEligibilityDate>
  <ProgramPlanType>
    <Code>2196</Code>
  </ProgramPlanType>
  <ProgramPlanDate>2006-01-02</ProgramPlanDate>
  <NOREPDate>2006-01-09</NOREPDate>
  <PlacementParentalConsentDate>2006-01-02</PlacementParentalConsentDate>
  <ProgramPlacementDate>2006-01-09</ProgramPlacementDate>
  <LeastRestrictiveEnvironment>
    <Code>0135</Code>
  </LeastRestrictiveEnvironment>
  <ExtendedSchoolYear>true</ExtendedSchoolYear>
  <ExtendedDay>false</ExtendedDay>
  <ProgramAvailability>
    <Code>0231</Code>
    <OtherCodeList>
      <OtherCode Codeset="StateProvince">2674</OtherCode>
    </OtherCodeList>
  </ProgramAvailability>
  <PrivateNotPlacedByPublic>true</PrivateNotPlacedByPublic>
  <ProgramReviewDate>2007-01-09</ProgramReviewDate>
  <FBADate>2006-04-15</FBADate>
  <BIPDate>2006-04-24</BIPDate>
  <ProgramExitReason>
    <Code>2216</Code>
  </ProgramExitReason>
  <ProjectedExitDate>2009-01-04</ProjectedExitDate>
  <ProjectedExitReason Codeset="StateProvince">9568</ProjectedExitReason>
  <PlannedAssessmentParticipation Codeset="StateProvince">Accommodations - Students with Disabilities</PlannedAssessmentParticipation>
  <TransitionPlanning Codeset="StateProvince">Postsecondary Ed - transition services should be targeted toward postsecondary education</TransitionPlanni
  <StudentSpecialEducationFTE>0.45</StudentSpecialEducationFTE>
  <EntryPerson>Jill Anderson</EntryPerson>
  <ParticipationContact>John Mason</ParticipationContact>
</StudentParticipation>
```


Example 3.15.2-1: StudentParticipation - Example 1

JSON

```
{
 "StudentParticipation": {
   "RefId": "D3E34B359D75101A8C3D00AA001A1652",
   "StudentPersonalRefId": "A2E34F59A742C1A4B3D11CC002B163A2",
   "StudentParticipationAsOfDate": "2006-07-13",
   "ProgramType": {
     "Code": {
       "value": "0270"
     },
     "OtherCodeList": {
       "OtherCode": [
         {
           "Codeset": "StateProvince",
           "value": "0839"
         }
       ]
     }
   },
   "ProgramFundingSources": {
    "ProgramFundingSource": [
      {
        "Code": {
          "value": "0797"
        }
      }
    ]
   },
   "ManagingPublicAgency": {
     "SIF_RefObject": "LEAInfo",
     "value": "F3434F59A742C1A4B3D11CC002B163A2"
   },
   "ManagingSchool": {
     "SIF_RefObject": "SchoolInfo",
     "value": "D93F4D183A42C1A4B3D11CC002B163A2"
   },
   "PartCTransitionMeetingDate": "2006-04-09",
   "PartCTransitionMeetingOutcomes": {
    "PartCTransitionMeetingOutcome": [
      {
        "Code": {
          "value": "S001"
        }
      }
    ]
   },
   "ReferralDate": "2005-09-04",
   "ReferralSource": {
     "Code": {
       "value": "2148"
     }
   },
   "ProgramStatus": {
     "Code": {
       "value": "S004"
     }
   },
   "GiftedEligibilityCriteria": "G938",
   "EvaluationParentalConsentDate": "2005-11-09",
   "EvaluationDate": "2005-11-25",
   "EvaluationExtensionDate": "2005-12-10",
   "ExtensionComments": "Reason that extension was allowed",
   "ReevaluationDate": "2008-11-25",
   "ExceptionalityCategories": {
     "ExceptionalityCategory": [
       {
         "Code": {
           "value": "2121"
         },
         "ExceptionalityPriority": "Primary"
       },
       {
         "Code": {
           "value": "2134"
         },
         "ExceptionalityPriority": "Secondary"
       },
       {
         "Code": {
           "value": "2127"
         },
         "ExceptionalityPriority": "Tertiary"
       }
     ]
   },
   "ProgramEligibilityDate": "2006-01-04",
   "ProgramPlanType": {
     "Code": {
       "value": "2196"
     }
   },
   "ProgramPlanDate": "2006-01-02",
   "NOREPDate": "2006-01-09",
   "PlacementParentalConsentDate": "2006-01-02",
   "ProgramPlacementDate": "2006-01-09",
   "LeastRestrictiveEnvironment": {
     "Code": {
       "value": "0135"
     }
   },
   "ExtendedSchoolYear": true,
   "ExtendedDay": false,
   "PrivateNotPlacedByPublic": true,
   "ProgramReviewDate": "2007-01-09",
   "FBADate": "2006-04-15",
   "BIPDate": "2006-04-24",
   "ProgramExitReason": {
     "Code": {
       "value": "2216"
     }
   },
   "ProjectedExitDate": "2009-01-04",
   "ProjectedExitReason": {
     "Codeset": "StateProvince",
     "value": "9568"
   },
   "PlannedAssessmentParticipation": {
     "Codeset": "StateProvince",
     "value": "Accommodations - Students with Disabilities"
   },
   "TransitionPlanning": {
     "Codeset": "StateProvince",
     "value": "Postsecondary Ed - transition services should be targeted toward postsecondary education"
   },
   "StudentSpecialEducationFTE": 0.45,
   "EntryPerson": "Jill Anderson",
   "ParticipationContact": "John Mason",
   "AdditionalProgramAvailabilityList": {
     "ProgramAvailability": [
       {
         "Code": {
           "value": "0231"
         },
```

```
        "OtherCodeList": {
          "OtherCode": [
            {
              "Codeset": "StateProvince",
              "value": "2674"
            }
          ]
        }
      }
    ]
  },
  "CaseManager": "Carol Martinson"
 }
}
```


XML


```
<StudentParticipation RefId="D3E34B359D75101A8C3D00AA001A1652" StudentPersonalRefId="A2E34F59A742C1A4B3D11CC002B163A2">
  <StudentParticipationAsOfDate>2006-07-13</StudentParticipationAsOfDate>
  <ProgramType>
    <Code>0270</Code>
    <OtherCodeList>
      <OtherCode Codeset="StateProvince">0839</OtherCode>
    </OtherCodeList>
  </ProgramType>
  <ProgramFundingSources>
    <ProgramFundingSource>
      <Code>0797</Code>
    </ProgramFundingSource>
  </ProgramFundingSources>
  <ManagingPublicAgency SIF_RefObject="LEAInfo">F3434F59A742C1A4B3D11CC002B163A2</ManagingPublicAgency>
  <ManagingSchool SIF_RefObject="SchoolInfo">D93F4D183A42C1A4B3D11CC002B163A2</ManagingSchool>
  <PartCTransitionMeetingDate>2006-04-09</PartCTransitionMeetingDate>
  <PartCTransitionMeetingOutcomes>
    <PartCTransitionMeetingOutcome>
      <Code>S001</Code>
    </PartCTransitionMeetingOutcome>
  </PartCTransitionMeetingOutcomes>
  <ReferralDate>2005-09-04</ReferralDate>
  <ReferralSource>
    <Code>2148</Code>
  </ReferralSource>
  <ProgramStatus>
    <Code>S004</Code>
  </ProgramStatus>
  <GiftedEligibilityCriteria>G938</GiftedEligibilityCriteria>
  <EvaluationParentalConsentDate>2005-11-09</EvaluationParentalConsentDate>
  <EvaluationDate>2005-11-25</EvaluationDate>
  <EvaluationExtensionDate>2005-12-10</EvaluationExtensionDate>
  <ExtensionComments>Reason that extension was allowed</ExtensionComments>
  <ReevaluationDate>2008-11-25</ReevaluationDate>
  <ExceptionalityCategories>
    <ExceptionalityCategory>
      <Code>2121</Code>
      <ExceptionalityPriority>Primary</ExceptionalityPriority>
    </ExceptionalityCategory>
    <ExceptionalityCategory>
      <Code>2134</Code>
      <ExceptionalityPriority>Secondary</ExceptionalityPriority>
    </ExceptionalityCategory>
    <ExceptionalityCategory>
      <Code>2127</Code>
      <ExceptionalityPriority>Tertiary</ExceptionalityPriority>
    </ExceptionalityCategory>
  </ExceptionalityCategories>
  <ProgramEligibilityDate>2006-01-04</ProgramEligibilityDate>
  <ProgramPlanType>
    <Code>2196</Code>
  </ProgramPlanType>
  <ProgramPlanDate>2006-01-02</ProgramPlanDate>
  <NOREPDate>2006-01-09</NOREPDate>
  <PlacementParentalConsentDate>2006-01-02</PlacementParentalConsentDate>
  <ProgramPlacementDate>2006-01-09</ProgramPlacementDate>
  <LeastRestrictiveEnvironment>
    <Code>0135</Code>
  </LeastRestrictiveEnvironment>
  <ExtendedSchoolYear>true</ExtendedSchoolYear>
  <ExtendedDay>false</ExtendedDay>
  <PrivateNotPlacedByPublic>true</PrivateNotPlacedByPublic>
  <ProgramReviewDate>2007-01-09</ProgramReviewDate>
  <FBADate>2006-04-15</FBADate>
  <BIPDate>2006-04-24</BIPDate>
  <ProgramExitReason>
    <Code>2216</Code>
  </ProgramExitReason>
  <ProjectedExitDate>2009-01-04</ProjectedExitDate>
  <ProjectedExitReason Codeset="StateProvince">9568</ProjectedExitReason>
  <PlannedAssessmentParticipation Codeset="StateProvince">Accommodations - Students with Disabilities</PlannedAssessmentParticipation>
  <TransitionPlanning Codeset="StateProvince">Postsecondary Ed - transition services should be targeted toward postsecondary education</TransitionPlanni
  <StudentSpecialEducationFTE>0.45</StudentSpecialEducationFTE>
  <EntryPerson>Jill Anderson</EntryPerson>
  <ParticipationContact>John Mason</ParticipationContact>
  <AdditionalProgramAvailabilityList>
    <ProgramAvailability>
      <Code>0231</Code>
      <OtherCodeList>
        <OtherCode Codeset="StateProvince">2674</OtherCode>
      </OtherCodeList>
    </ProgramAvailability>
  </AdditionalProgramAvailabilityList>
  <CaseManager>Carol Martinson</CaseManager>
</StudentParticipation>
```


Example 3.15.2-2: StudentParticipation - Example 2

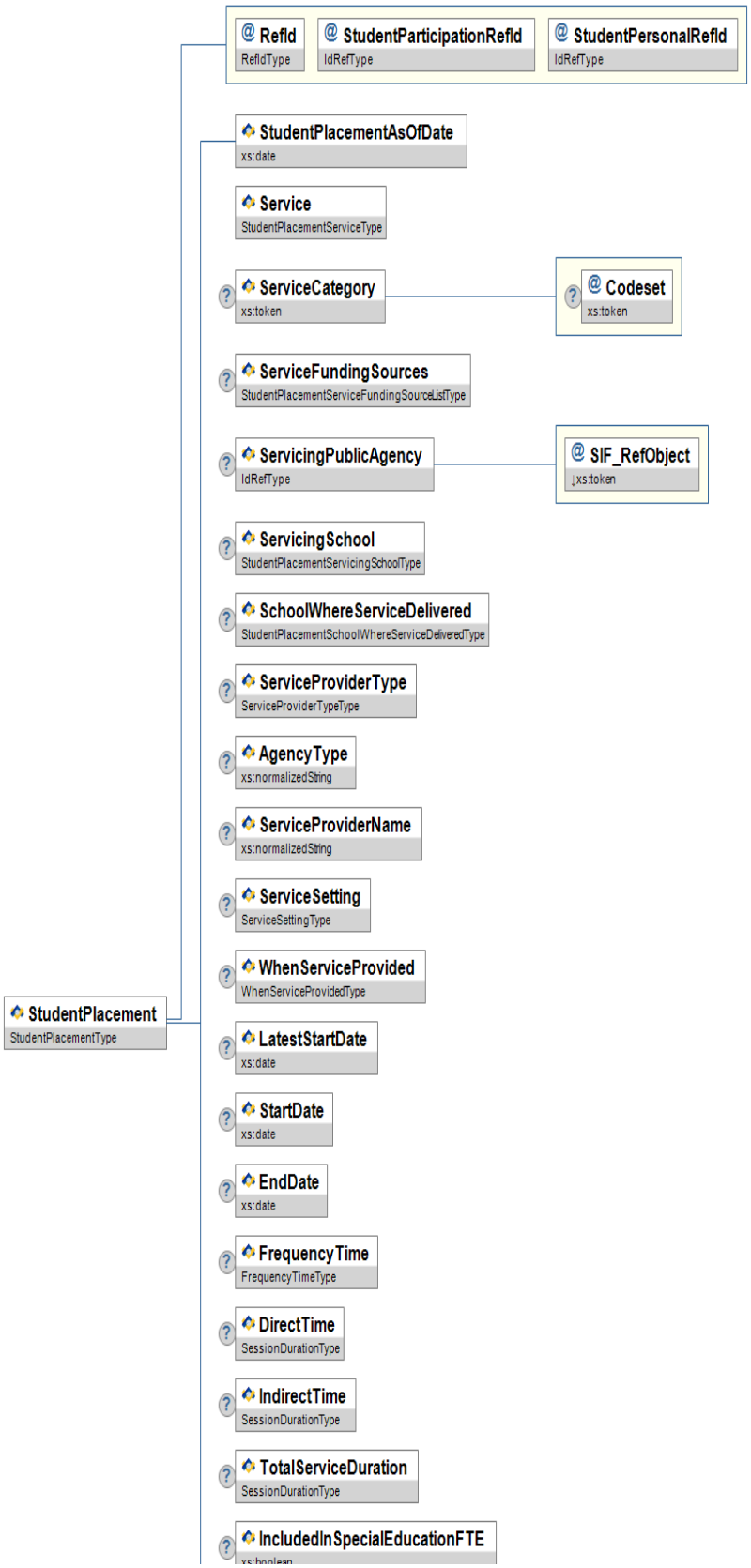
3.15.3 StudentPlacement

This object contains information that describes a specific instructional, related or transitional service that has been prescribed or recommended in the program plan developed for a student who has been placed in an individualized special program.

The following notes are intended to clarify the use of this object:

- If assistive technology is considered a service and is prescribed in a general context rather than associated with another specific service, this can be reported as a service by using the appropriate service code
- If transportation is considered a service and is prescribed in a general context rather than associated with another specific service, this can be reported as a service by using the appropriate service code
- If the value of FrequencyTime is not the same for direct and indirect delivery of the service, each delivery can be reported separately (e.g. one instance of the object contains the direct information, the second instance contains the indirect)
- If a state or district requires the reporting of "minutes per week" and does not use the concept of number of sessions, set FrequencyTime to "1 per week" and complete DirectTime / IndirectTime and TotalServiceDuration with the appropriate number of minutes

SIF_Events are reported for this object.



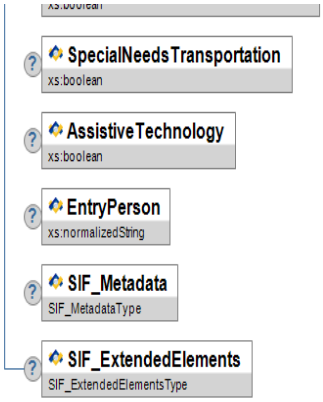


Figure 3.15.3-1: StudentPlacement

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPlacement			This object contains information that describes a specific instructional, related or transitional service that has been prescribed or recommended in the program plan developed for a student who has been placed in an individualized special program.	
@	RefId	M		This is the unique identification code	RefIdType
@	StudentParticipationRefId	M		This is the reference code for student eligibility for participation	IdRefType
@	StudentPersonalRefId	M		The GUID of the student that this object is linked to.	IdRefType
	StudentPlacementAsOfDate	M		Effective date (NOT the entry date) of this StudentPlacement instance for the identified student and program. It is intended that each time the contents of this instance of the object changes, it will be published with a new RefId.	xs:date
	Service	M		Specialized instruction or related / transitional service provided to this student.	StudentPlacementServiceType
	ServiceCategory	O		Category of service (for example, whether it is instruction or a related / transitional service or a supplemental service). Typically designated by a state.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ServiceFundingSources	O			StudentPlacementServiceFundingSourceListType
	ServicingPublicAgency	O		The GUID of the public agency (a district / LEA) to which the "ServicingSchool" reports / belongs.	IdRefType
@	SIF_RefObject	M			values: LEAInfo
	ServicingSchool	O			StudentPlacementServicingSchoolType
	SchoolWhereServiceDelivered	O			StudentPlacementSchoolWhereServiceDeliveredType
	ServiceProviderType	O		Used for an individual providing the service. Review by state / program, may be required. Service provider title (such as Physical Therapist or Psychologist).	ServiceProviderTypeType
	AgencyType	O		Identifies an agency or clinic that will provide the specified service.	xs:normalizedString

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ServiceProviderName	O		The name of the person who delivers the service.	xs:normalizedString
	ServiceSetting	O		Setting where service is provided (Regular Class, Resource Room, Homebound, Detention Center, etc.).	ServiceSettingType
	WhenServiceProvided	O		General timing of service delivery relative to school calendar / schedule.	WhenServiceProvidedType
	LatestStartDate	O		Date by which service is supposed to start for this student.	xs:date
	StartDate	O		Actual date this service began for this student.	xs:date
	EndDate	O		Actual date this service ended for this student.	xs:date
	FrequencyTime	O		Code for the frequency that the service is provided.	FrequencyTimeType
	DirectTime	O		Number of units of time per session spent directly providing the service to the student.	SessionDurationType
	IndirectTime	O		Number of units of time per session NOT spent directly providing the service to the student but rather spent providing consultation services to someone related to the student (e.g. parent, a general ed teacher, a new service provider, etc.).	SessionDurationType
	TotalServiceDuration	O		Total of the direct and indirect time as it relates to the FrequencyTime; e.g., DirectTime 60 + IndirectTime 30 = 90.	SessionDurationType
	IncludedInSpecialEducationFTE	O		Indicates whether the direct time for this service is included in the calculation of a student's special education FTE.	xs:boolean
	SpecialNeedsTransportation	O		Indicates whether the student requires transportation to the location of Placement/Service.	xs:boolean
	AssistiveTechnology	O		Indicates whether the student requires assistive technology for this Placement/Service.	xs:boolean
	EntryPerson	O		Identification / name of the person who created the transaction that led to the creation of this instance of the object.	xs:normalizedString
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.15.3-1: StudentPlacement

JSON

```
{
  "StudentPlacement": {
    "RefId": "A3E34B359A75101D8C3A00DD001D1652",
    "StudentParticipationRefId": "D3E34B359D75101A8C3D00AA001A1652",
    "StudentPersonalRefId": "A2E34F59A742C1A4B3D11CC002B163A2",
    "StudentPlacementAsOfDate": "2006-07-13",
    "Service": {
      "Code": {
        "value": "0290"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "StateProvince",
            "value": "8829"
          }
        ]
      }
    },
    "ServiceFundingSources": {
      "ServiceFundingSource": [
        {
          "Code": {
            "value": "0797"
          }
        }
      ]
    },
    "ServicingPublicAgency": {
      "SIF_RefObject": "LEAInfo",
      "value": "F3434F59A742C1A4B3D11CC002B163A2"
    },
    "ServicingSchool": {
      "SIF_RefObject": "SchoolInfo",
      "value": "D93F4D183A42C1A4B3D11CC002B163A2"
    },
    "SchoolWhereServiceDelivered": {
      "SIF_RefObject": "SchoolInfo",
      "value": "D93F4D183A42C1A4B3D11CC002B163A2"
    },
    "ServiceProviderType": {
      "Code": {
        "value": "0203"
      }
    },
    "AgencyType": "Public School",
    "ServiceProviderName": "John Q. Public",
    "ServiceSetting": {
      "Code": {
        "value": "0356"
      }
    },
    "WhenServiceProvided": {
      "Code": {
        "value": "0231"
      }
    },
    "LatestStartDate": "2006-02-01",
    "StartDate": "2006-02-01",
    "EndDate": "2007-01-09",
    "FrequencyTime": {
      "Code": {
        "value": "S001"
      }
    },
    "DirectTime": {
      "UnitOfMeasure": "Minutes",
      "value": 60
    },
    "IndirectTime": {
      "UnitOfMeasure": "Minutes",
      "value": 0
    },
    "TotalServiceDuration": {
      "UnitOfMeasure": "Minutes",
      "value": 60
    },
    "IncludedInSpecialEducationFTE": true,
    "SpecialNeedsTransportation": true,
    "AssistiveTechnology": false,
    "EntryPerson": "Jill Anderson"
  }
}
```


XML

```
<StudentPlacement RefId="A3E34B359A75101D8C3A00DD001D1652" StudentParticipationRefId="D3E34B359D75101A8C3D00AA001A1652" StudentPersonalRefId="A2E34F59A7
  <StudentPlacementAsOfDate>2006-07-13</StudentPlacementAsOfDate>
  <Service>
    <Code>0290</Code>
    <OtherCodeList>
      <OtherCode Codeset="StateProvince">8829</OtherCode>
    </OtherCodeList>
  </Service>
  <ServiceFundingSources>
    <ServiceFundingSource>
      <Code>0797</Code>
    </ServiceFundingSource>
  </ServiceFundingSources>
  <ServicingPublicAgency SIF_RefObject="LEAInfo">F3434F59A742C1A4B3D11CC002B163A2</ServicingPublicAgency>
  <ServicingSchool SIF_RefObject="SchoolInfo">D93F4D183A42C1A4B3D11CC002B163A2</ServicingSchool>
  <SchoolWhereServiceDelivered SIF_RefObject="SchoolInfo">D93F4D183A42C1A4B3D11CC002B163A2</SchoolWhereServiceDelivered>
  <ServiceProviderType>
    <Code>0203</Code>
  </ServiceProviderType>
  <AgencyType>Public School</AgencyType>
  <ServiceProviderName>John Q. Public</ServiceProviderName>
  <ServiceSetting>
    <Code>0356</Code>
  </ServiceSetting>
  <WhenServiceProvided>
    <Code>0231</Code>
  </WhenServiceProvided>
  <LatestStartDate>2006-02-01</LatestStartDate>
  <StartDate>2006-02-01</StartDate>
  <EndDate>2007-01-09</EndDate>
  <FrequencyTime>
    <Code>S001</Code>
  </FrequencyTime>
  <DirectTime UnitOfMeasure="Minutes">60</DirectTime>
  <IndirectTime UnitOfMeasure="Minutes">0</IndirectTime>
  <TotalServiceDuration UnitOfMeasure="Minutes">60</TotalServiceDuration>
  <IncludedInSpecialEducationFTE>true</IncludedInSpecialEducationFTE>
  <SpecialNeedsTransportation>true</SpecialNeedsTransportation>
  <AssistiveTechnology>false</AssistiveTechnology>
  <EntryPerson>Jill Anderson</EntryPerson>
</StudentPlacement>
```

Example 3.15.3-1: StudentPlacement

3.15.4 StudentSpecialEducationSummary

This object provides a summary of a student's participation and placement in special education programs for a given school for a given school year, reflecting the known or calculated values at the time (SummaryDate) the summary was provided. As such, there may be multiple instances of this object for a student in a school over the course of a school year. SIF_Events are not supported by this object.

SIF_Events are not reported for this object.

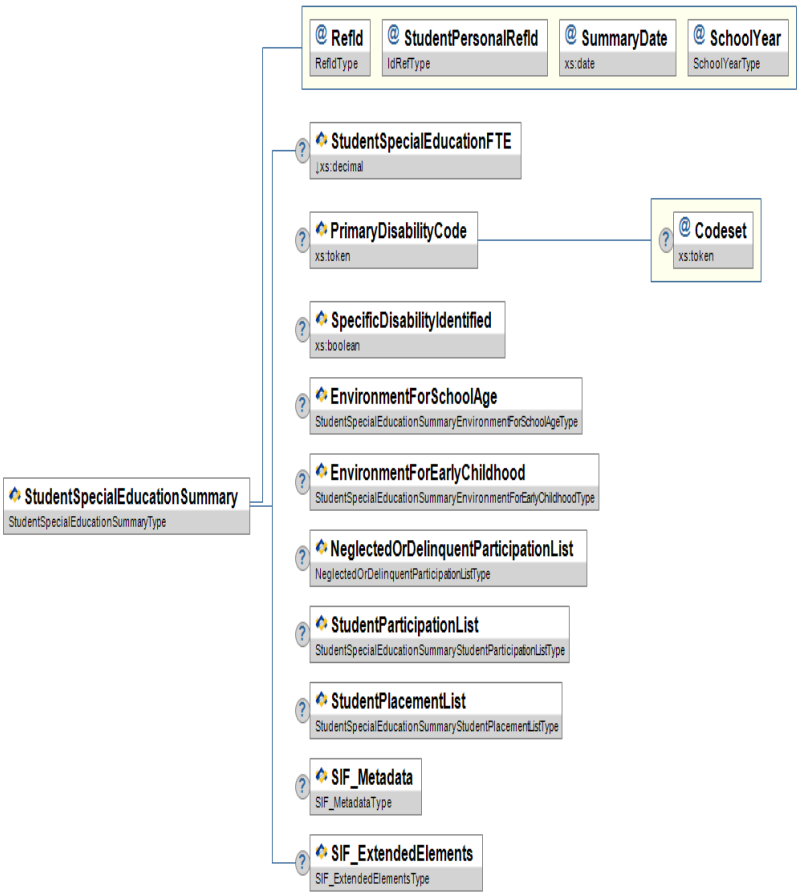


Figure 3.15.4-1: StudentSpecialEducationSummary

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSpecialEducationSummary			This object provides a summary of a student's participation and placement in special education programs for a given school for a given school year, reflecting the known or calculated values at the time (SummaryDate) the summary was provided. As such, there may be multiple instances of this object for a student in a school over the course of a school year. SIF_Events are not supported by this object.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is a "transient" value; that is, it SHOULD be generated by the provider at the time the object is provided in a Response message. This value MUST NOT be used in a later Request for the object.	RefIdType
@	StudentPersonalRefId	M		The Id (GUID) of the student for whom this special education information is being reported.	IdRefType
@	SummaryDate	M		The date the data summary was taken. Some elements are provided/calculated as of the SummaryDate, and some are provided as of the date the object is requested (i.e., some can be historical and some will represent the last information available/last known value).	xs:date
@	SchoolYear	M		School year for which the information is applicable.	SchoolYearType
	StudentSpecialEducationFTE	O		Calculated ratio of time the student is in a special ed setting. Values range from 0.00 to 1.00. If the student is in a special ed setting 25% of the time, the value is .25; if 100% of the time, the value is 1.00.	xs:decimal xs:minInclusive 0 xs:maxInclusive 1 xs:fractionDigits 2
	PrimaryDisabilityCode	O		A code that identifies the primary disability type for a student who is eligible for services under the Individuals with Disabilities Education Act (IDEA) and who has an Individualized Education Program (IEP). Since primary disability is time-dependent a student's primary disability can change through a school year or reporting period	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	SpecificDisabilityIdentified	O	000577 https://ceds.ed.gov/element/000577	An indication of whether a person is classified as disabled under the American's with Disability Act (ADA).	xs:boolean
	EnvironmentForSchoolAge	O			StudentSpecialEducationSummaryEnvironmentForSchoolAgeType
	EnvironmentForEarlyChildhood	O			StudentSpecialEducationSummaryEnvironmentForEarlyChildhoodType
	NeglectedOrDelinquentParticipationList	O		The type and number of days a student participated in a Neglected or Delinquent program during the reporting period.	NeglectedOrDelinquentParticipationListType
	StudentParticipationList	O		Collects elements of interest for each StudentParticipation.	StudentSpecialEducationSummaryStudentParticipationListType
	StudentPlacementList	O		This list contains information that describes each specific instructional, related or transitional service that has been prescribed or recommended in the program plan developed for a student who has been placed in an individualized special program.	StudentSpecialEducationSummaryStudentPlacementListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.15.4-1: StudentSpecialEducationSummary

JSON

```
{
  "StudentSpecialEducationSummary": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "StudentPersonalRefId": "A2E34F59A742C1A4B3D11CC002B163A2",
    "SummaryDate": "2003-10-01",
    "SchoolYear": "2008",
    "StudentSpecialEducationFTE": 0.45,
    "PrimaryDisabilityCode": {
      "value": "2134"
    },
    "NeglectedOrDelinquentParticipationList": {
      "NeglectedOrDelinquentParticipation": [
        {
          "Type": {
            "value": "S002"
          },
          "TotalDayCount": 45,
          "ConsecutiveDayCount": 45
        },
        {
          "Type": {
            "value": "S005"
          },
          "TotalDayCount": 90,
          "ConsecutiveDayCount": 68
        }
      ]
    },
    "StudentParticipationList": {
      "StudentParticipationData": [
        {
          "ProgramType": {
            "Code": {
              "value": "0270"
            },
            "OtherCodeList": {
              "OtherCode": [
                {
                  "Codeset": "StateProvince",
                  "value": "0839"
                }
              ]
            }
          },
          "ProgramFundingSources": {
            "ProgramFundingSource": [
              {
                "Code": {
                  "value": "0797"
                }
              }
            ]
          },
          "ManagingPublicAgency": {
            "SIF_RefObject": "LEAInfo",
            "value": "F3434F59A742C1A4B3D11CC002B163A2"
          },
          "ManagingSchool": {
            "SIF_RefObject": "SchoolInfo",
            "value": "D93F4D183A42C1A4B3D11CC002B163A2"
          },
          "ReferralDate": "2005-09-04",
          "ProgramStatus": {
            "Code": {
              "value": "S004"
            }
          },
          "GiftedEligibilityCriteria": {
            "value": "S001"
          },
          "EvaluationDate": "2005-11-25",
          "ReevaluationDate": "2008-11-25",
          "ExceptionalityCategories": {
            "ExceptionalityCategory": [
              {
                "Code": {
                  "value": "2121"
                },
                "ExceptionalityPriority": "Primary"
              },
              {
                "Code": {
                  "value": "2134"
                },
                "ExceptionalityPriority": "Secondary"
              },
              {
                "Code": {
                  "value": "2127"
                },
                "ExceptionalityPriority": "Tertiary"
              }
            ]
          },
          "ProgramPlanDate": "2007-01-02",
          "ProgramPlanEffectiveDate": "2007-09-14",
          "DaysInParticipation": 34
        }
      ]
    },
    "StudentPlacementList": {
      "StudentPlacementData": [
        {
          "Service": {
            "Code": {
              "value": "0290"
            },
            "OtherCodeList": {
              "OtherCode": [
                {
                  "Codeset": "StateProvince",
                  "value": "8829"
                }
              ]
            }
          },
          "ServiceCategory": {
            "value": "S999"
          },
          "ServiceFundingSources": {
            "ServiceFundingSource": [
              {
                "Code": {
                  "value": "0797"
                }
              }
            ]
          },
          "ServicingPublicAgency": {
            "SIF_RefObject": "LEAInfo",
            "value": "F3434F59A742C1A4B3D11CC002B163A2"
          },
```

```
        "ServicingSchool": {
          "SIF_RefObject": "SchoolInfo",
          "value": "D93F4D183A42C1A4B3D11CC002B163A2"
        },
        "SchoolWhereServiceDelivered": {
          "SIF_RefObject": "SchoolInfo",
          "value": "D93F4D183A42C1A4B3D11CC002B163A2"
        },
        "ServiceProviderType": {
          "Code": {
            "value": "0203"
          }
        },
        "AgencyType": "Public School",
        "FrequencyTime": {
          "Code": {
            "value": "S008"
          }
        }
      }
    ]
  }
 }
}
```


XML


```
<StudentSpecialEducationSummary RefId="359D75101AD0A9D7A8C3DAD0A85103A2" StudentPersonalRefId="A2E34F59A742C1A4B3D11CC002B163A2" SummaryDate="2003-10-01
  <StudentSpecialEducationFTE>0.45</StudentSpecialEducationFTE>
  <PrimaryDisabilityCode>2134</PrimaryDisabilityCode>
  <NeglectedOrDelinquentParticipationList>
    <NeglectedOrDelinquentParticipation>
      <Type>S002</Type>
      <TotalDayCount>45</TotalDayCount>
      <ConsecutiveDayCount>45</ConsecutiveDayCount>
    </NeglectedOrDelinquentParticipation>
    <NeglectedOrDelinquentParticipation>
      <Type>S005</Type>
      <TotalDayCount>90</TotalDayCount>
      <ConsecutiveDayCount>68</ConsecutiveDayCount>
    </NeglectedOrDelinquentParticipation>
  </NeglectedOrDelinquentParticipationList>
  <StudentParticipationList>
    <StudentParticipationData>
      <ProgramType>
        <Code>0270</Code>
        <OtherCodeList>
          <OtherCode Codeset="StateProvince">0839</OtherCode>
        </OtherCodeList>
      </ProgramType>
      <ProgramFundingSources>
        <ProgramFundingSource>
          <Code>0797</Code>
        </ProgramFundingSource>
      </ProgramFundingSources>
      <ManagingPublicAgency SIF_RefObject="LEAInfo">F3434F59A742C1A4B3D11CC002B163A2</ManagingPublicAgency>
      <ManagingSchool SIF_RefObject="SchoolInfo">D93F4D183A42C1A4B3D11CC002B163A2</ManagingSchool>
      <ReferralDate>2005-09-04</ReferralDate>
      <ProgramStatus>
        <Code>S004</Code>
      </ProgramStatus>
      <GiftedEligibilityCriteria>S001</GiftedEligibilityCriteria>
      <EvaluationDate>2005-11-25</EvaluationDate>
      <ReevaluationDate>2008-11-25</ReevaluationDate>
      <ExceptionalityCategories>
        <ExceptionalityCategory>
          <Code>2121</Code>
          <ExceptionalityPriority>Primary</ExceptionalityPriority>
        </ExceptionalityCategory>
        <ExceptionalityCategory>
          <Code>2134</Code>
          <ExceptionalityPriority>Secondary</ExceptionalityPriority>
        </ExceptionalityCategory>
        <ExceptionalityCategory>
          <Code>2127</Code>
          <ExceptionalityPriority>Tertiary</ExceptionalityPriority>
        </ExceptionalityCategory>
      </ExceptionalityCategories>
      <ProgramPlanDate>2007-01-02</ProgramPlanDate>
      <ProgramPlanEffectiveDate>2007-09-14</ProgramPlanEffectiveDate>
      <DaysInParticipation>34</DaysInParticipation>
    </StudentParticipationData>
  </StudentParticipationList>
  <StudentPlacementList>
    <StudentPlacementData>
      <Service>
        <Code>0290</Code>
        <OtherCodeList>
          <OtherCode Codeset="StateProvince">8829</OtherCode>
        </OtherCodeList>
      </Service>
      <ServiceCategory>S999</ServiceCategory>
      <ServiceFundingSources>
        <ServiceFundingSource>
          <Code>0797</Code>
        </ServiceFundingSource>
      </ServiceFundingSources>
      <ServicingPublicAgency SIF_RefObject="LEAInfo">F3434F59A742C1A4B3D11CC002B163A2</ServicingPublicAgency>
      <ServicingSchool SIF_RefObject="SchoolInfo">D93F4D183A42C1A4B3D11CC002B163A2</ServicingSchool>
      <SchoolWhereServiceDelivered SIF_RefObject="SchoolInfo">D93F4D183A42C1A4B3D11CC002B163A2</SchoolWhereServiceDelivered>
      <ServiceProviderType>
        <Code>0203</Code>
      </ServiceProviderType>
      <AgencyType>Public School</AgencyType>
      <FrequencyTime>
        <Code>S008</Code>
      </FrequencyTime>
    </StudentPlacementData>
  </StudentPlacementList>
</StudentSpecialEducationSummary>
```


Example 3.15.4-1: StudentSpecialEducationSummary - Example 1

3.15.5 TestAccommodation

This object provides information about test accommodation(s) required for a particular student who is registered to take a particular state test or who is about to be assigned by a teacher to take a course-related test, is participating in one or more special program(s) and for whom this set of test accommodations is prescribed in one or more specific special program plan(s). At the time that a new special program plan is developed for the student, any needed test / instructional accommodations must be specified as a part of that plan. During the life of a plan, a test accommodation may be added or removed.

Note that although a test accommodation may not be permitted for a state assessment program because it nullifies the results, it may be used for daily instruction. However, in order to use a test accommodation for a state assessment program, the test accommodation must be specified in the program plan and should be part of daily instruction. The request for this object must supply the information necessary to identify the specific student and either a specific high-stakes test or a subject area.

SIF_Events are not reported for this object.

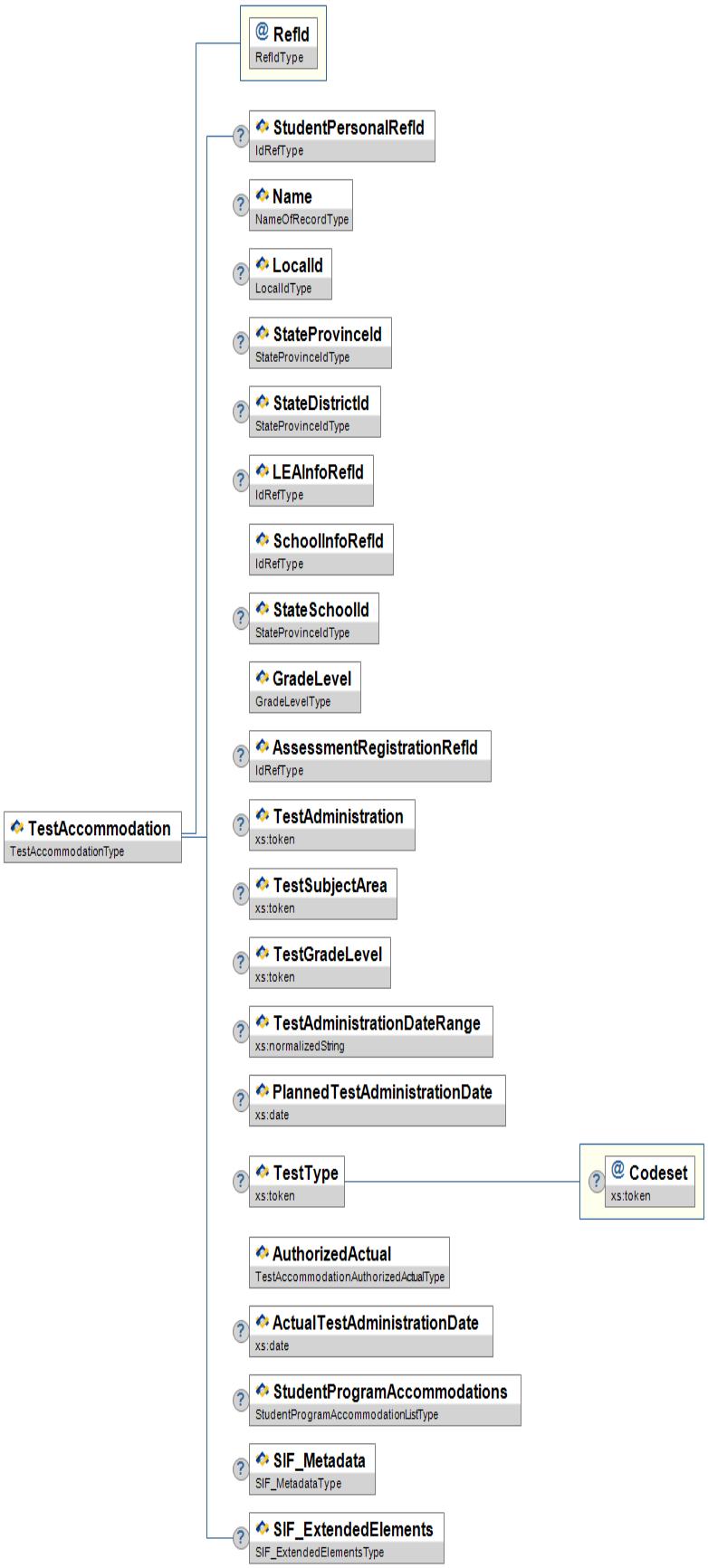


Figure 3.15.5-1: TestAccommodation

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TestAccommodation		002621 https://ceds.ed.gov/element/002621	This object provides information about test accommodation(s) required for a particular student who is registered to take a particular state test or who is about to be assigned by a teacher to take a course-related test, is participating in one or more special program(s) and for whom this set of test accommodations is prescribed in one or more specific special program plan(s).	
@	RefId	M	000368 https://ceds.ed.gov/element/000368	Unique Id for this set of test accommodations required for a particular student who is participating in a special program and for whom this set of test accommodation(s) is recommended / prescribed for this test administration (specific subject area and level) in a specific special programs plan.	RefIdType
	StudentPersonalRefId	C		Reference to StudentPersonal object. Typically a vendor is allowed to receive a StateProvinceId or a student's Name, but not both together. The student must be identified by StudentPersonalRefId, or Name and LocalId, or StateProvinceId.	IdRefType
	Name	C		The student's name as presented in StudentPersonal object, Name element with a Type of 02 (Current Legal Name). If Type 02 is not available, Type of 04 (Name of Record). Sub-elements to be used: LastName, FirstName, MiddleName.	NameOfRecordType
	LocalId	C		The locally assigned identifier for this student.	LocalIdType
	StateProvinceId	C		Reference to the state code identifying the student in the StudentPersonal object, as of the date of the response.	StateProvinceIdType
	StateDistrictId	O		Reference to State code (StateProvinceId for LEAInfo) for the student's district of enrollment as of the date of the response (optional because school might be independent).	StateProvinceIdType
	LEAInfoRefId	O		The RefId for the district to which the student's home school of enrollment belongs as of the date of the response (optional because school might be independent).	IdRefType
	SchoolInfoRefId	M		The RefId for the student's home school of enrollment as of the date of the response.	IdRefType
	StateSchoolId	O		Reference to State code (StateProvinceId for SchoolInfo) for student's home school of enrollment as of the date of the response (optional because state may not require).	StateProvinceIdType
	GradeLevel	M		Code for the current actual grade placement of the student as of the date of the response from StudentSchoolEnrollment.	GradeLevelType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssessmentRegistrationRefId	C	000126 https://ceds.ed.gov/element/000126	RefId for the student's registration / assignment to take a particular test (test name, subject area, level, grade level, type) at a particular time or within a particular timeframe. An assessment may also be identified by omitting this element and specifying the whole set (TestAdministration, TestSubjectArea, TestGradeLevel, TestAdministrationDateRange or PlannedTestAdministrationDate, and TestType).	IdRefType
	TestAdministration	C		Abbreviated name of the test for which this set of accommodations is to be provided.	xs:token
	TestSubjectArea	C		Subject area of the test. Teachers may only supply this element, while a high-stakes test will supply the whole set (TestAdministration, TestSubjectArea, TestGradeLevel, TestAdministrationDateRange or PlannedTestAdministrationDate, and TestType).	xs:token
	TestGradeLevel	C		Grade level of the test.	xs:token
	TestAdministrationDateRange	C		General date range of the test (e.g. "Spring 2005"). Date is identified by either TestAdministrationDateRange or PlannedTestAdministrationDate	xs:normalizedString
	PlannedTestAdministrationDate	C		The date the test is planned to be administered. Should contain the most current known date (Date is needed in order to identify accommodations to be sent—accommodations are date-dependent).	xs:date
	TestType	O		Identifies whether the test the student is to take is a standard or alternate.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	AuthorizedActual	M			TestAccommodationAuthorizedActualType
	ActualTestAdministrationDate	O	000022 https://ceds.ed.gov/element/000022	The date the test was actually administered.	xs:date
	StudentProgramAccommodations	O		Container. If the requested student no longer requires any accomodations, this element should be omitted.	StudentProgramAccommodationListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.15.5-1: TestAccommodation

JSON

```
{
  "TestAccommodation": {
    "RefId": "AD634F59A742C1A4B3D11CC002B163A2",
    "StudentPersonalRefId": "A2E34F59A742C1A4B3D11CC002B163A2",
    "StateProvinceId": "9289348",
    "LEAInfoRefId": "F3434F59A742C1A4B3D11CC002B163A2",
    "SchoolInfoRefId": "D93F4D183A42C1A4B3D11CC002B163A2",
    "StateSchoolId": "98283",
    "GradeLevel": {
      "Code": {
        "value": "11"
      }
    },
    "TestAdministration": "Woodcock Johnson Tests of Achievement",
    "TestSubjectArea": "Broad Reading",
    "TestGradeLevel": "11",
    "PlannedTestAdministrationDate": "2006-07-15",
    "TestType": {
      "value": "S001"
    },
    "AuthorizedActual": {
      "value": "S002"
    },
    "ActualTestAdministrationDate": "2006-07-15",
    "StudentProgramAccommodations": {
      "StudentProgramAccommodation": [
        {
          "StudentParticipationRefId": "D3E34B359D75101A8C3D00AA001A1652",
          "StudentProgramType": {
            "Code": "0270",
            "OtherCodeList": {
              "OtherCode": [
                {
                  "Codeset": "StateProvince",
                  "value": "0839"
                }
              ]
            }
          },
          "Accommodations": {
            "Accommodation": [
              {
                "Code": "S101",
                "AccommodationCategory": {
                  "Code": {
                    "value": "S001"
                  }
                },
                "SpecialMaterials": true
              },
              {
                "Code": "S147",
                "AccommodationCategory": {
                  "Code": {
                    "value": "S006"
                  }
                },
                "SpecialMaterials": false
              }
            ]
          }
        }
      ]
    }
  }
}
```


XML


```
<TestAccommodation RefId="AD634F59A742C1A4B3D11CC002B163A2">
  <StudentPersonalRefId>A2E34F59A742C1A4B3D11CC002B163A2</StudentPersonalRefId>
  <StateProvinceId>9289348</StateProvinceId>
  <LEAInfoRefId>F3434F59A742C1A4B3D11CC002B163A2</LEAInfoRefId>
  <SchoolInfoRefId>D93F4D183A42C1A4B3D11CC002B163A2</SchoolInfoRefId>
  <StateSchoolId>98283</StateSchoolId>
  <GradeLevel>
    <Code>11</Code>
  </GradeLevel>
  <TestAdministration>Woodcock Johnson Tests of Achievement</TestAdministration>
  <TestSubjectArea>Broad Reading</TestSubjectArea>
  <TestGradeLevel>11</TestGradeLevel>
  <PlannedTestAdministrationDate>2006-07-15</PlannedTestAdministrationDate>
  <TestType>S001</TestType>
  <AuthorizedActual>S002</AuthorizedActual>
  <ActualTestAdministrationDate>2006-07-15</ActualTestAdministrationDate>
  <StudentProgramAccommodations>
    <StudentProgramAccommodation>
      <StudentParticipationRefId>D3E34B359D75101A8C3D00AA001A1652</StudentParticipationRefId>
      <StudentProgramType>
        <Code>0270</Code>
        <OtherCodeList>
          <OtherCode Codeset="StateProvince">0839</OtherCode>
        </OtherCodeList>
      </StudentProgramType>
      <Accommodations>
        <Accommodation>
          <Code>S101</Code>
          <AccommodationCategory>
            <Code>S001</Code>
          </AccommodationCategory>
          <SpecialMaterials>true</SpecialMaterials>
        </Accommodation>
        <Accommodation>
          <Code>S147</Code>
          <AccommodationCategory>
            <Code>S006</Code>
          </AccommodationCategory>
          <SpecialMaterials>false</SpecialMaterials>
        </Accommodation>
      </Accommodations>
    </StudentProgramAccommodation>
  </StudentProgramAccommodations>
</TestAccommodation>
```


Example 3.15.5-1: TestAccommodation

3.16 Student Information Systems Working Group

The Student Information Systems Working Group provides maximum interoperability between K-12 applications that need to exchange SIS information such as student, teacher, school, and enrollment using SIF by designing SIF data objects that are easy to understand, implement and extend, and by making the communication between applications as efficient as possible by ensuring that only the minimum required amount of data is exchanged in each transaction.

3.16.1 Address

This object contains address data.

SIF_Events are reported for this object.

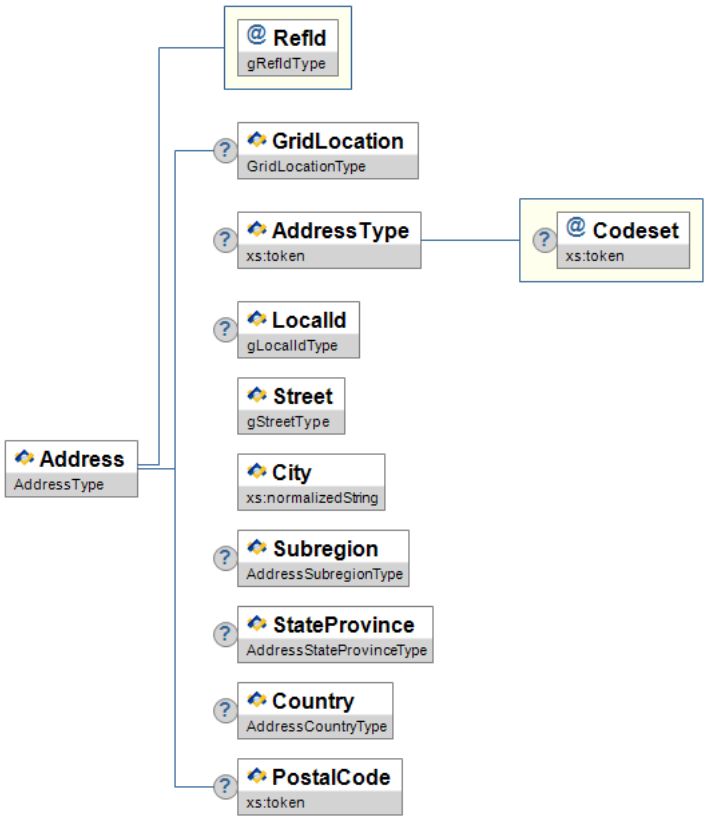


Figure 3.16.1-1: Address

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Address			This object contains address data.	
@	RefId	M			gRefIdType
	GridLocation	O			GridLocationType
	AddressType	O		The type or category of this address. For example, mailing, physical, permanent, etc.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	LocalId	O			gLocalIdType
	Street	M			gStreetType
	City	M			xs:normalizedString
	Subregion	O			AddressSubregionType
	StateProvince	O			AddressStateProvinceType
	Country	O			AddressCountryType
	PostalCode	O		A number that identifies each postal delivery area in a country used as a portion of an address	xs:token

Table 3.16.1-1: Address

JSON

```
{
  "Address": {
    "RefId": "812D940C-3f1a-4Db6-Bb2E-66EDB58785BD",
    "GridLocation": {
      "Latitude": 83,
      "Longitude": -169
    },
    "AddressType": {
      "Codeset": "EbZ5&h;",
      "value": "Home"
    },
    "LocalId": {
      "IdType": {
        "Codeset": "4tIX",
        "value": "State"
      },
      "IdValue": "1234567890"
    },
    "Street": {
      "Line1": "114 Lost Fork Ln.",
      "StreetName": "Lost Fork",
      "StreetType": "Lane",
      "StreetSuffix": "Ln."
    },
    "City": "Bothell",
    "Subregion": {
      "value": "Snohomish"
    },
    "StateProvince": {
      "Codeset": "mKb9My[TWMH",
      "value": "WA"
    },
    "Country": {
      "Codeset": "|RTz_d5Oh^",
      "value": "US"
    },
    "PostalCode": "98607"
  }
}
```


XML


```
<Address RefId="812D940C-3f1a-4Db6-Bb2E-66EDB58785BD">
  <GridLocation>
    <Latitude>83</Latitude>
    <Longitude>-169</Longitude>
  </GridLocation>
  <AddressType Codeset="EbZ5&amp;amp;h;">Home</AddressType>
  <LocalId>
    <IdType Codeset="4tIX">State</IdType>
    <IdValue>1234567890</IdValue>
  </LocalId>
  <Street>
    <Line1>114 Lost Fork Ln.</Line1>
    <StreetName>Lost Fork</StreetName>
    <StreetType>Lane</StreetType>
    <StreetSuffix>Ln.</StreetSuffix>
  </Street>
  <City>Bothell</City>
  <Subregion>Snohomish</Subregion>
  <StateProvince Codeset="mKb9My[TWMH">WA</StateProvince>
  <Country Codeset="|RTz_d5Oh^">US</Country>
  <PostalCode>98607</PostalCode>
</Address>
```


Example 3.16.1-1: Address

3.16.2 AttendanceCodeInfo

This object provides information about a particular attendance code, allows applications to synchronize each other's attendance code tables, or provides a dynamic list of attendance codes.

SIF_Events are reported for this object.

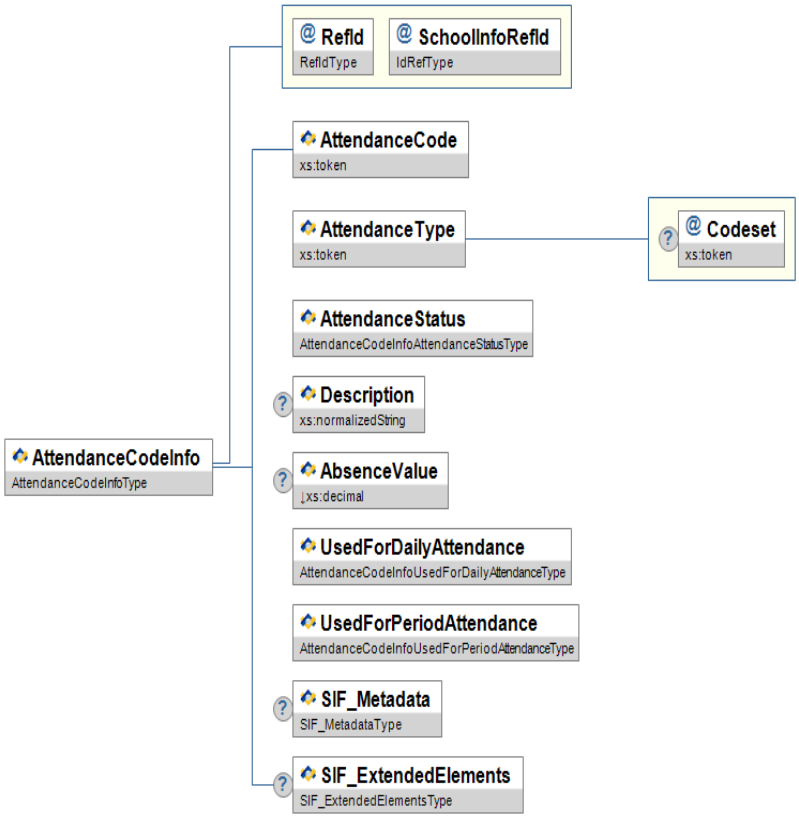


Figure 3.16.2-1: AttendanceCodeInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AttendanceCodeInfo			This object provides information about a particular attendance code, allows applications to synchronize each other's attendance code tables, or provides a dynamic list of attendance codes.	
@	RefId	M		The Id (GUID) that uniquely identifies this AttendanceCodeInfo entity.	RefIdType
@	SchoolInfoRefId	M		The Id (GUID) that identifies the school where the attendance code is used.	IdRefType
	AttendanceCode	M		Locally defined code for attendance.	xs:token
	AttendanceType	M	000601 https://ceds.ed.gov/element/000601	Type of attendance code.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	AttendanceStatus	M			AttendanceCodeInfoAttendanceStatusType
	Description	O		The text description of the attendance code.	xs:normalizedString
	AbsenceValue	O		The amount of absence represented by AttendanceCode, up to three decimal places.	xs:decimal xs:minInclusive 0 xs:fractionDigits 3
	UsedForDailyAttendance	M			AttendanceCodeInfoUsedForDailyAttendanceType
	UsedForPeriodAttendance	M			AttendanceCodeInfoUsedForPeriodAttendanceType
	SIF_Metadata	O			SIF_MetadataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.2-1: AttendanceCodeInfo

JSON


```
{
  "AttendanceCodeInfo": {
    "RefId": "64A309DA063A2E35B359D75101A8C3D0",
    "SchoolInfoRefId": "CE0674A8BB8247669DE348F113D2316A",
    "AttendanceCode": "AE",
    "AttendanceType": {
      "value": "Absent"
    },
    "AttendanceStatus": {
      "value": "Excused"
    },
    "Description": "Child is absent with appropriate, legal excuse.",
    "AbsenceValue": 1.0,
    "UsedForDailyAttendance": {
      "value": "Yes"
    },
    "UsedForPeriodAttendance": {
      "value": "Yes"
    }
  }
}
```


XML


```
<AttendanceCodeInfo RefId="64A309DA063A2E35B359D75101A8C3D0" SchoolInfoRefId="CE0674A8BB8247669DE348F113D2316A">
  <AttendanceCode>AE</AttendanceCode>
  <AttendanceType>Absent</AttendanceType>
  <AttendanceStatus>Excused</AttendanceStatus>
  <Description>Child is absent with appropriate, legal excuse.</Description>
  <AbsenceValue>1.0</AbsenceValue>
  <UsedForDailyAttendance>Yes</UsedForDailyAttendance>
  <UsedForPeriodAttendance>Yes</UsedForPeriodAttendance>
</AttendanceCodeInfo>
```


Example 3.16.2-1: AttendanceCodeInfo

3.16.3 BellSchedule

The BellSchedule is an object that a SIS (or another student scheduling application) can utilize to provide school / school year scheduling information, including timetable days, periods and bell schedules to other applications that may require this detailed scheduling information. Additionally, the MeetingTime common element, which is utilized by the SectionInfo object's MeetingTimeList, provides references to these new timetable days and periods in order to provide this detailed scheduling information about each section. Finally, the CalendarDate object provides the bell schedules and timetable days for each calendar date to subscribers needing this detailed information about when sections actually meet. Events will be published for the BellSchedule object.

SIF_Events are reported for this object.

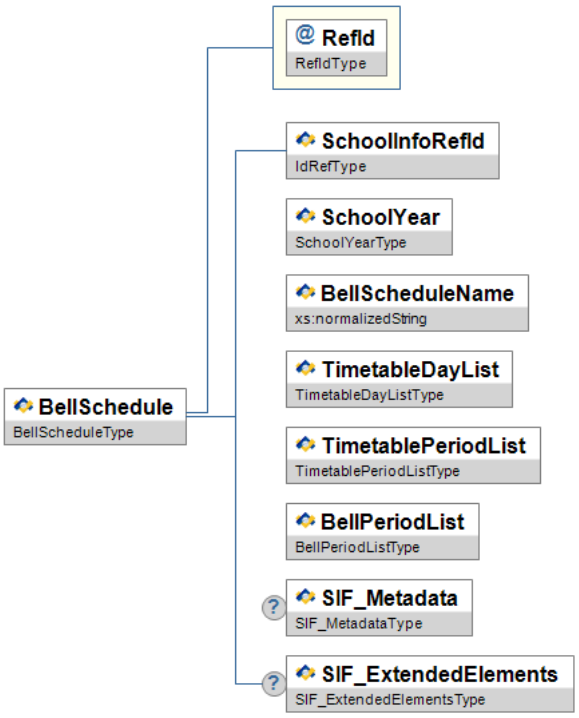


Figure 3.16.3-1: BellSchedule

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BellSchedule			This object provides the bell schedule information for a school and school year, including timetable days, periods and bell schedules.	
@	RefId	M		The Id (GUID) that uniquely identifies an instance of the object.	RefIdType
	SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the school to which this bell schedule information applies	IdRefType
	SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2007" for the 2006-07 school year).	SchoolYearType
	BellScheduleName	M	000598 https://ceds.ed.gov/element/000598	A name that uniquely identifies a particular BellSchedule from others for the same school and year.	xs:normalizedString
	TimetableDayList	M		The timetable days for this school year bell schedule. This essentially provides a list of the time day identifiers that are used in the BellPeriod definitions below with some additional properties for each. The identifiers defined here may be referenced by other objects / elements like MeetingTime.	TimetableDayListType
	TimetablePeriodList	M		The timetable periods for this school year bell schedule. This essentially provides a list of the time period identifiers that are used in the BellPeriod definitions below with some addition properties for each. The identifiers defined here may be referenced by other objects / elements like MeetingTime.	TimetablePeriodListType
	BellPeriodList	M		The bell periods for this school year bell schedule.	BellPeriodListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.3-1: BellSchedule

JSON

```
{
  "BellSchedule": {
    "RefId": "A157E79C10AC744ED90AF2871BEB90B3",
    "SchoolInfoRefId": "B7A34E561C97345C0A4E11BB112B2753",
    "SchoolYear": "2009",
    "BellScheduleName": "High School Bell Schedule",
    "TimetableDayList": {
      "TimetableDay": [
        {
          "Identifier": "A",
          "Name": "A-Day"
        },
        {
          "Identifier": "B",
          "Name": "B-Day"
        },
        {
          "Identifier": "X",
          "Name": "AssemblyDay"
        }
      ]
    },
    "TimetablePeriodList": {
      "TimetablePeriod": [
        {
          "Identifier": "P0",
          "Name": "Before School Period"
        },
        {
          "Identifier": "P1",
          "Name": "Period 1"
        },
        {
          "Identifier": "P2",
          "Name": "Period 2"
        },
        {
          "Identifier": "P3",
          "Name": "Period 3"
        },
        {
          "Identifier": "P4",
          "Name": "Period 4"
        },
        {
          "Identifier": "P5",
          "Name": "Period 5"
        },
        {
          "Identifier": "PX",
          "Name": "Assembly Period"
        }
      ]
    },
    "BellPeriodList": {
      "BellPeriod": [
        {
          "TimetableDayIdentifier": "A",
          "TimetablePeriodIdentifier": "P0",
          "StartTime": "08:00:00",
          "EndTime": "08:55:00",
          "RegularSchoolPeriod": {
            "value": "No"
          },
          "InstructionalMinutes": 0,
          "UseInAttendanceCalculations": {
            "value": "No"
          }
        },
        {
          "TimetableDayIdentifier": "A",
          "TimetablePeriodIdentifier": "P1",
          "StartTime": "09:00:00",
          "EndTime": "09:55:00",
          "RegularSchoolPeriod": {
            "value": "Yes"
          },
          "InstructionalMinutes": 55,
          "UseInAttendanceCalculations": {
            "value": "Yes"
          }
        },
        {
          "TimetableDayIdentifier": "A",
          "TimetablePeriodIdentifier": "P2",
          "StartTime": "10:00:00",
          "EndTime": "10:55:00",
          "RegularSchoolPeriod": {
            "value": "Yes"
          },
          "InstructionalMinutes": 55,
          "UseInAttendanceCalculations": {
            "value": "Yes"
          }
        },
        {
          "TimetableDayIdentifier": "A",
          "TimetablePeriodIdentifier": "P3",
          "StartTime": "11:00:00",
          "EndTime": "11:55:00",
          "RegularSchoolPeriod": {
            "value": "Yes"
          },
          "InstructionalMinutes": 55,
          "UseInAttendanceCalculations": {
            "value": "Yes"
          }
        },
        {
          "TimetableDayIdentifier": "A",
          "TimetablePeriodIdentifier": "P4",
          "StartTime": "13:00:00",
          "EndTime": "13:55:00",
          "RegularSchoolPeriod": {
            "value": "Yes"
          },
          "InstructionalMinutes": 55,
          "UseInAttendanceCalculations": {
            "value": "Yes"
          }
        },
        {
          "TimetableDayIdentifier": "A",
          "TimetablePeriodIdentifier": "P5",
          "StartTime": "14:00:00",
          "EndTime": "14:55:00",
          "RegularSchoolPeriod": {
            "value": "Yes"
          },
          "InstructionalMinutes": 55,
          "UseInAttendanceCalculations": {
            "value": "Yes"
```

```
    }
  },
  {
    "TimetableDayIdentifier": "B",
    "TimetablePeriodIdentifier": "P0",
    "StartTime": "08:00:00",
    "EndTime": "08:55:00",
    "RegularSchoolPeriod": {
      "value": "No"
    },
    "InstructionalMinutes": 0,
    "UseInAttendanceCalculations": {
      "value": "No"
    }
  },
  {
    "TimetableDayIdentifier": "B",
    "TimetablePeriodIdentifier": "P1",
    "StartTime": "09:00:00",
    "EndTime": "09:55:00",
    "RegularSchoolPeriod": {
      "value": "Yes"
    },
    "InstructionalMinutes": 55,
    "UseInAttendanceCalculations": {
      "value": "Yes"
    }
  },
  {
    "TimetableDayIdentifier": "B",
    "TimetablePeriodIdentifier": "P2",
    "StartTime": "10:00:00",
    "EndTime": "10:55:00",
    "RegularSchoolPeriod": {
      "value": "Yes"
    },
    "InstructionalMinutes": 55,
    "UseInAttendanceCalculations": {
      "value": "Yes"
    }
  },
  {
    "TimetableDayIdentifier": "B",
    "TimetablePeriodIdentifier": "P3",
    "StartTime": "11:00:00",
    "EndTime": "11:55:00",
    "RegularSchoolPeriod": {
      "value": "Yes"
    },
    "InstructionalMinutes": 55,
    "UseInAttendanceCalculations": {
      "value": "Yes"
    }
  },
  {
    "TimetableDayIdentifier": "B",
    "TimetablePeriodIdentifier": "P4",
    "StartTime": "13:00:00",
    "EndTime": "13:55:00",
    "RegularSchoolPeriod": {
      "value": "Yes"
    },
    "InstructionalMinutes": 55,
    "UseInAttendanceCalculations": {
      "value": "Yes"
    }
  },
  {
    "TimetableDayIdentifier": "B",
    "TimetablePeriodIdentifier": "P5",
    "StartTime": "14:00:00",
    "EndTime": "14:55:00",
    "RegularSchoolPeriod": {
      "value": "Yes"
    },
    "InstructionalMinutes": 55,
    "UseInAttendanceCalculations": {
      "value": "Yes"
    }
  },
  {
    "TimetableDayIdentifier": "B",
    "TimetablePeriodIdentifier": "PX",
    "StartTime": "15:00:00",
    "EndTime": "16:55:00",
    "RegularSchoolPeriod": {
      "value": "No"
    },
    "InstructionalMinutes": 0,
    "UseInAttendanceCalculations": {
      "value": "No"
    }
  },
  {
    "TimetableDayIdentifier": "X",
    "TimetablePeriodIdentifier": "P1",
    "StartTime": "09:00:00",
    "EndTime": "09:25:00",
    "RegularSchoolPeriod": {
      "value": "Yes"
    },
    "InstructionalMinutes": 25,
    "UseInAttendanceCalculations": {
      "value": "Yes"
    }
  },
  {
    "TimetableDayIdentifier": "X",
    "TimetablePeriodIdentifier": "P2",
    "StartTime": "09:30:00",
    "EndTime": "09:55:00",
    "RegularSchoolPeriod": {
      "value": "Yes"
    },
    "InstructionalMinutes": 25,
    "UseInAttendanceCalculations": {
      "value": "Yes"
    }
  },
  {
    "TimetableDayIdentifier": "X",
    "TimetablePeriodIdentifier": "P3",
    "StartTime": "10:00:00",
    "EndTime": "10:25:00",
    "RegularSchoolPeriod": {
      "value": "Yes"
    },
    "InstructionalMinutes": 25,
    "UseInAttendanceCalculations": {
      "value": "Yes"
    }
  },
  {
```

```
        "TimetableDayIdentifier": "X",
        "TimetablePeriodIdentifier": "P4",
        "StartTime": "10:30:00",
        "EndTime": "10:55:00",
        "RegularSchoolPeriod": {
          "value": "Yes"
        },
        "InstructionalMinutes": 25,
        "UseInAttendanceCalculations": {
          "value": "Yes"
        }
      },
      {
        "TimetableDayIdentifier": "X",
        "TimetablePeriodIdentifier": "P5",
        "StartTime": "11:00:00",
        "EndTime": "11:25:00",
        "RegularSchoolPeriod": {
          "value": "Yes"
        },
        "InstructionalMinutes": 25,
        "UseInAttendanceCalculations": {
          "value": "Yes"
        }
      },
      {
        "TimetableDayIdentifier": "X",
        "TimetablePeriodIdentifier": "PX",
        "StartTime": "12:30:00",
        "EndTime": "14:30:00",
        "RegularSchoolPeriod": {
          "value": "No"
        },
        "InstructionalMinutes": 0,
        "UseInAttendanceCalculations": {
          "value": "No"
        }
      }
    ]
  }
 }
}
```


XML

```
<BellSchedule RefId="A157E79C10AC744ED90AF2871BEB90B3">
  <SchoolInfoRefId>B7A34E561C97345C0A4E11BB112B2753</SchoolInfoRefId>
  <SchoolYear>2009</SchoolYear>
  <BellScheduleName>High School Bell Schedule</BellScheduleName>
  <TimetableDayList>
    <TimetableDay>
      <Identifier>A</Identifier>
      <Name>A-Day</Name>
    </TimetableDay>
    <TimetableDay>
      <Identifier>B</Identifier>
      <Name>B-Day</Name>
    </TimetableDay>
    <TimetableDay>
      <Identifier>X</Identifier>
      <Name>AssemblyDay</Name>
    </TimetableDay>
  </TimetableDayList>
  <TimetablePeriodList>
    <TimetablePeriod>
      <Identifier>P0</Identifier>
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    <TimetablePeriod>
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      <Name>Period 1</Name>
    </TimetablePeriod>
    <TimetablePeriod>
      <Identifier>P2</Identifier>
      <Name>Period 2</Name>
    </TimetablePeriod>
    <TimetablePeriod>
      <Identifier>P3</Identifier>
      <Name>Period 3</Name>
    </TimetablePeriod>
    <TimetablePeriod>
      <Identifier>P4</Identifier>
      <Name>Period 4</Name>
    </TimetablePeriod>
    <TimetablePeriod>
      <Identifier>P5</Identifier>
      <Name>Period 5</Name>
    </TimetablePeriod>
    <TimetablePeriod>
      <Identifier>PX</Identifier>
      <Name>Assembly Period</Name>
    </TimetablePeriod>
  </TimetablePeriodList>
  <BellPeriodList>
    <BellPeriod>
      <TimetableDayIdentifier>A</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P0</TimetablePeriodIdentifier>
      <StartTime>08:00:00</StartTime>
      <EndTime>08:55:00</EndTime>
      <RegularSchoolPeriod>No</RegularSchoolPeriod>
      <InstructionalMinutes>0</InstructionalMinutes>
      <UseInAttendanceCalculations>No</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>A</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P1</TimetablePeriodIdentifier>
      <StartTime>09:00:00</StartTime>
      <EndTime>09:55:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>55</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>A</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P2</TimetablePeriodIdentifier>
      <StartTime>10:00:00</StartTime>
      <EndTime>10:55:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>55</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>A</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P3</TimetablePeriodIdentifier>
      <StartTime>11:00:00</StartTime>
      <EndTime>11:55:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>55</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>A</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P4</TimetablePeriodIdentifier>
      <StartTime>13:00:00</StartTime>
      <EndTime>13:55:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>55</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>A</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P5</TimetablePeriodIdentifier>
      <StartTime>14:00:00</StartTime>
      <EndTime>14:55:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>55</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>B</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P0</TimetablePeriodIdentifier>
      <StartTime>08:00:00</StartTime>
      <EndTime>08:55:00</EndTime>
      <RegularSchoolPeriod>No</RegularSchoolPeriod>
      <InstructionalMinutes>0</InstructionalMinutes>
      <UseInAttendanceCalculations>No</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>B</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P1</TimetablePeriodIdentifier>
      <StartTime>09:00:00</StartTime>
      <EndTime>09:55:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>55</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>B</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P2</TimetablePeriodIdentifier>
      <StartTime>10:00:00</StartTime>
      <EndTime>10:55:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>55</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>B</TimetableDayIdentifier>
```

```
      <TimetablePeriodIdentifier>P3</TimetablePeriodIdentifier>
      <StartTime>11:00:00</StartTime>
      <EndTime>11:55:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>55</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>B</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P4</TimetablePeriodIdentifier>
      <StartTime>13:00:00</StartTime>
      <EndTime>13:55:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>55</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>B</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P5</TimetablePeriodIdentifier>
      <StartTime>14:00:00</StartTime>
      <EndTime>14:55:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>55</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>B</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>PX</TimetablePeriodIdentifier>
      <StartTime>15:00:00</StartTime>
      <EndTime>16:55:00</EndTime>
      <RegularSchoolPeriod>No</RegularSchoolPeriod>
      <InstructionalMinutes>0</InstructionalMinutes>
      <UseInAttendanceCalculations>No</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>X</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P1</TimetablePeriodIdentifier>
      <StartTime>09:00:00</StartTime>
      <EndTime>09:25:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>25</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>X</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P2</TimetablePeriodIdentifier>
      <StartTime>09:30:00</StartTime>
      <EndTime>09:55:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>25</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>X</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P3</TimetablePeriodIdentifier>
      <StartTime>10:00:00</StartTime>
      <EndTime>10:25:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>25</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>X</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P4</TimetablePeriodIdentifier>
      <StartTime>10:30:00</StartTime>
      <EndTime>10:55:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>25</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>X</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>P5</TimetablePeriodIdentifier>
      <StartTime>11:00:00</StartTime>
      <EndTime>11:25:00</EndTime>
      <RegularSchoolPeriod>Yes</RegularSchoolPeriod>
      <InstructionalMinutes>25</InstructionalMinutes>
      <UseInAttendanceCalculations>Yes</UseInAttendanceCalculations>
    </BellPeriod>
    <BellPeriod>
      <TimetableDayIdentifier>X</TimetableDayIdentifier>
      <TimetablePeriodIdentifier>PX</TimetablePeriodIdentifier>
      <StartTime>12:30:00</StartTime>
      <EndTime>14:30:00</EndTime>
      <RegularSchoolPeriod>No</RegularSchoolPeriod>
      <InstructionalMinutes>0</InstructionalMinutes>
      <UseInAttendanceCalculations>No</UseInAttendanceCalculations>
    </BellPeriod>
  </BellPeriodList>
</BellSchedule>
```

Example 3.16.3-1: BellSchedule - Example 1

3.16.4 CalendarDate

This object defines information related to a school calendar day in a given school calendar year. If both CalendarDate and CalendarSummary objects are supported, there must be an instance of this object for each date between CalendarSummary StartDate and EndDate, inclusive.

SIF_Events are reported for this object.

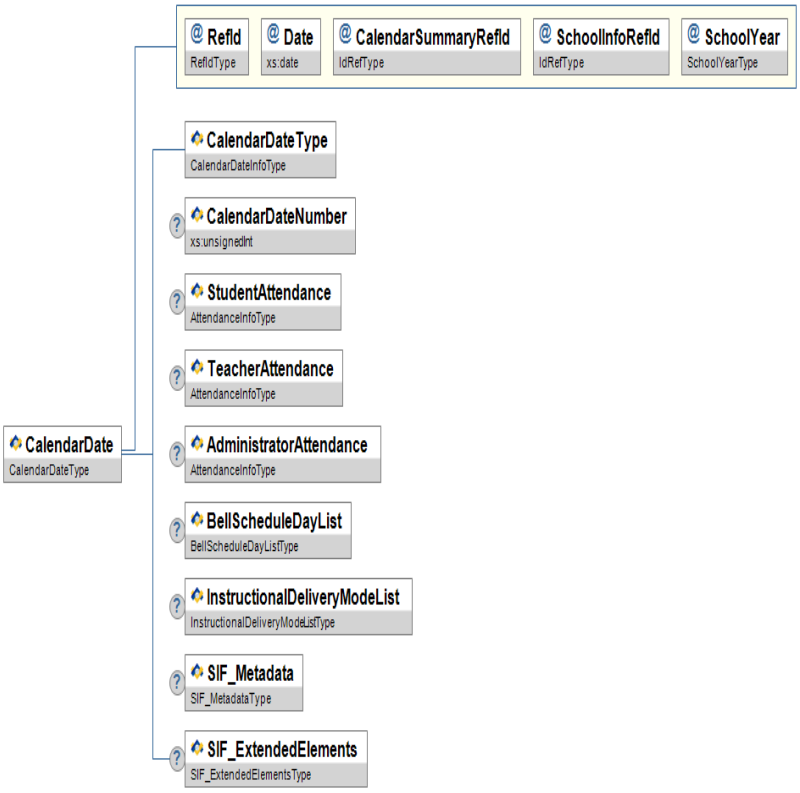


Figure 3.16.4-1: CalendarDate

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CalendarDate			This object defines information related to a school calendar day in a given school calendar year. If both CalendarDate and CalendarSummary objects are supported, there must be an instance of this object for each date between CalendarSummary StartDate and EndDate, inclusive.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.	RefIdType
@	Date	M	001275 https://ceds.ed.gov/element/001275	A specific school day that occurs within the school year.	xs:date
@	CalendarSummaryRefId	M		The Id (GUID) of the calendar summary in which this calendar date is.	IdRefType
@	SchoolInfoRefId	M		The Id (GUID) of the school for which this calendar information is being reported.	IdRefType
@	SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2007" for the 2006-07 school year).	SchoolYearType
	CalendarDateType	M		Calendar date type information.	CalendarDateInfoType
	CalendarDateNumber	O		Order in which the calendar date falls within the school calendar.	xs:unsignedInt

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentAttendance	O		Information describing how the day relates to student attendance.	AttendanceInfoType
	TeacherAttendance	O		Information describing how the day relates to teacher attendance.	AttendanceInfoType
	AdministratorAttendance	O		Information describing how the day relates to administrator attendance.	AttendanceInfoType
	BellScheduleDayList	O		A list of the bell schedules and the timetable day from that bell schedule to be used for the calendar date	BellScheduleDayListType
	InstructionalDeliveryModeList	O		The various instructional delivery modes offered on this day.	InstructionalDeliveryModeListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.4-1: CalendarDate

JSON


```
{
  "CalendarDate": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "Date": "2007-08-31",
    "CalendarSummaryRefId": "B5739375800AC4CC63850BB2754114AA",
    "SchoolInfoRefId": "B7A34E561C97345C0A4E11BB112B2753",
    "SchoolYear": "2007",
    "CalendarDateType": {
      "Code": {
        "value": "0845"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "StateProvince",
            "value": "20"
          },
          {
            "Codeset": "Local",
            "value": "10"
          }
        ]
      }
    },
    "CalendarDateNumber": 1,
    "StudentAttendance": {
      "CountsTowardAttendance": {
        "value": "No"
      },
      "AttendanceValue": 0.0
    },
    "TeacherAttendance": {
      "CountsTowardAttendance": {
        "value": "Yes"
      },
      "AttendanceValue": 1.0
    },
    "AdministratorAttendance": {
      "CountsTowardAttendance": {
        "value": "Yes"
      },
      "AttendanceValue": 1.0
    }
  }
}
```


XML


```
<CalendarDate RefId="359D75101AD0A9D7A8C3DAD0A85103A2" Date="2007-08-31" CalendarSummaryRefId="B5739375800AC4CC63850BB2754114AA" SchoolInfoRefId="B7A34E
  <CalendarDateType>
    <Code>0845</Code>
    <OtherCodeList>
      <OtherCode Codeset="StateProvince">20</OtherCode>
      <OtherCode Codeset="Local">10</OtherCode>
    </OtherCodeList>
  </CalendarDateType>
  <CalendarDateNumber>1</CalendarDateNumber>
  <StudentAttendance>
    <CountsTowardAttendance>No</CountsTowardAttendance>
    <AttendanceValue>0.0</AttendanceValue>
  </StudentAttendance>
  <TeacherAttendance>
    <CountsTowardAttendance>Yes</CountsTowardAttendance>
    <AttendanceValue>1.0</AttendanceValue>
  </TeacherAttendance>
  <AdministratorAttendance>
    <CountsTowardAttendance>Yes</CountsTowardAttendance>
    <AttendanceValue>1.0</AttendanceValue>
  </AdministratorAttendance>
</CalendarDate>
```

Example 3.16.4-1: CalendarDate - Example 1

JSON


```
{
  "CalendarDate": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "Date": "2007-08-31",
    "CalendarSummaryRefId": "B5739375800AC4CC63850BB2754114AA",
    "SchoolInfoRefId": "B7A34E561C97345C0A4E11BB112B2753",
    "SchoolYear": "2007",
    "CalendarDateType": {
      "Code": {
        "value": "0845"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "StateProvince",
            "value": "20"
          },
          {
            "Codeset": "Local",
            "value": "10"
          }
        ]
      }
    },
    "CalendarDateNumber": 1,
    "StudentAttendance": {
      "CountsTowardAttendance": {
        "value": "No"
      },
      "AttendanceValue": 0.0
    },
    "TeacherAttendance": {
      "CountsTowardAttendance": {
        "value": "Yes"
      },
      "AttendanceValue": 1.0
    },
    "AdministratorAttendance": {
      "CountsTowardAttendance": {
        "value": "Yes"
      },
      "AttendanceValue": 1.0
    },
    "BellScheduleDayList": {
      "BellScheduleDay": [
        {
          "BellScheduleRefId": "A157E79C10AC744ED90AF2871BEB90B3",
          "TimetableDayIdentifier": "A"
        }
      ]
    }
  }
}
```


XML


```
<CalendarDate RefId="359D75101AD0A9D7A8C3DAD0A85103A2" Date="2007-08-31" CalendarSummaryRefId="B5739375800AC4CC63850BB2754114AA" SchoolInfoRefId="B7A34E
  <CalendarDateType>
    <Code>0845</Code>
    <OtherCodeList>
      <OtherCode Codeset="StateProvince">20</OtherCode>
      <OtherCode Codeset="Local">10</OtherCode>
    </OtherCodeList>
  </CalendarDateType>
  <CalendarDateNumber>1</CalendarDateNumber>
  <StudentAttendance>
    <CountsTowardAttendance>No</CountsTowardAttendance>
    <AttendanceValue>0.0</AttendanceValue>
  </StudentAttendance>
  <TeacherAttendance>
    <CountsTowardAttendance>Yes</CountsTowardAttendance>
    <AttendanceValue>1.0</AttendanceValue>
  </TeacherAttendance>
  <AdministratorAttendance>
    <CountsTowardAttendance>Yes</CountsTowardAttendance>
    <AttendanceValue>1.0</AttendanceValue>
  </AdministratorAttendance>
  <BellScheduleDayList>
    <BellScheduleDay>
      <BellScheduleRefId>A157E79C10AC744ED90AF2871BEB90B3</BellScheduleRefId>
      <TimetableDayIdentifier>A</TimetableDayIdentifier>
    </BellScheduleDay>
  </BellScheduleDayList>
</CalendarDate>
```


Example 3.16.4-2: CalendarDate - Example 2

3.16.5 CalendarSummary

This object provides a summary of a school's calendar information for a given school year. A school may have more than one calendar per school year (e.g., one calendar for Kindergarten students, one for special education students, one for seniors, or one for each calendar track), and each may have different days in session, start and end dates, minutes per day, instructional minutes, etc.

SIF_Events are reported for this object.

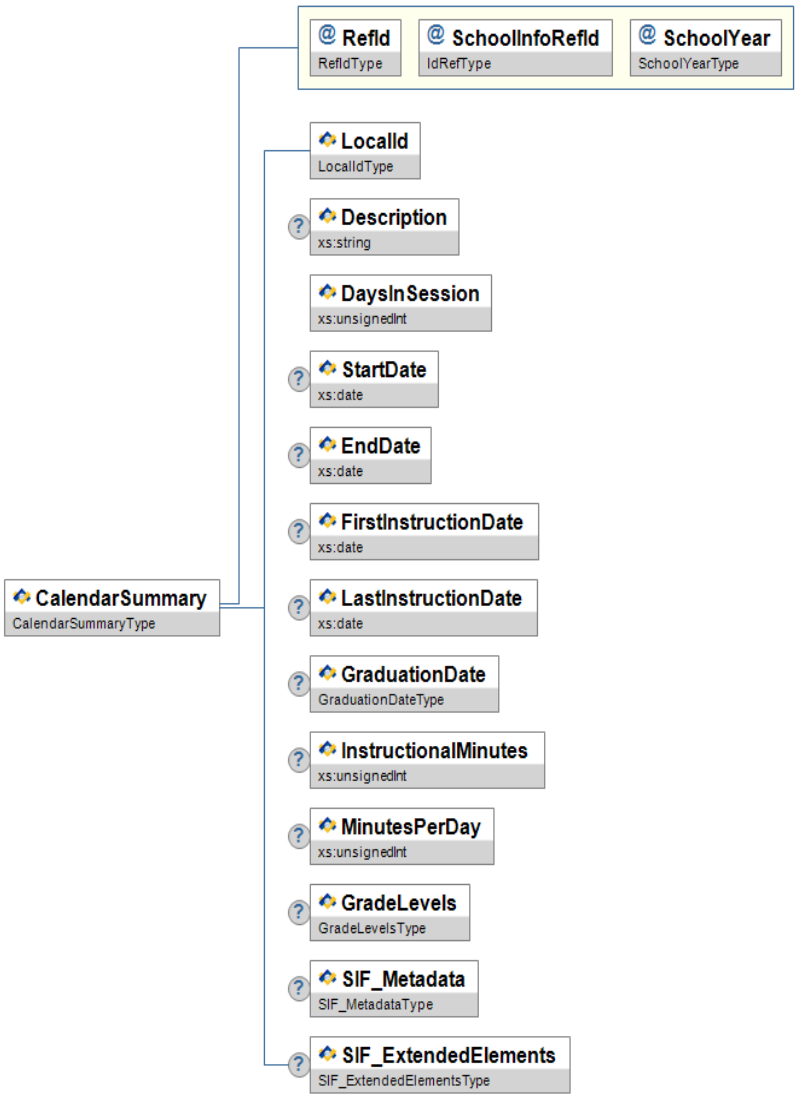


Figure 3.16.5-1: CalendarSummary

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CalendarSummary			This object provides a summary of a school's calendar information for a given school year. A school may have more than one calendar per school year (e.g., one calendar for Kindergarten students, one for special education students, one for seniors, or one for each calendar track), and each may have different days in session, start and end dates, minutes per day, instructional minutes, etc.	
@	RefId	M		The Id (GUID) of the calendar to which this information relates.	RefIdType
@	SchoolInfoRefId	M		The Id (GUID) of the school for which this calendar information is being reported.	IdRefType
@	SchoolYear	M	000243 https://ceds.ed.gov/element/000243	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2007" for the 2006-07 school year).	SchoolYearType
	LocalId	M	000494 https://ceds.ed.gov/element/000494	The locally assigned identifier for this calendar.	LocalIdType
	Description	O	000495 https://ceds.ed.gov/element/000495	Textual description of the school calendar.	xs:string

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DaysInSession	M	000496 https://ceds.ed.gov/element/000496	The total number of days that the school was or is anticipated to be in session during the school year. Also included are days on which the education institution facility is closed and the student body as a whole is engaged in planned activities off-campus under the guidance and direction of staff members.	xs:unsignedInt
	StartDate	O		The first calendar date, whether or not instruction was provided. If both CalendarSummary and CalendarDate objects are supported, StartDate must be the date of the first chronological instance of CalendarDate for the school's calendar.	xs:date
	EndDate	O		The last calendar date, whether or not instruction was provided. If both CalendarSummary and CalendarDate objects are supported, EndDate must be the last chronological instance of CalendarDate for the school's calendar.	xs:date
	FirstInstructionDate	O	000497 https://ceds.ed.gov/element/000497	The first day of student instruction.	xs:date
	LastInstructionDate	O	000498 https://ceds.ed.gov/element/000498	The last day of student instruction (including days or times that students are present for purposes of testing and/or evaluation, but not including whole or part-days whose sole purposes is for distribution of report cards).	xs:date
	GraduationDate	O		Date of graduation ceremony.	GraduationDateType
	InstructionalMinutes	O	000244 https://ceds.ed.gov/element/000244	The total number of instructional minutes for this calendar for the school year.	xs:unsignedInt
	MinutesPerDay	O	000500 https://ceds.ed.gov/element/000500	The number of minutes in the day in which the school is normally in session.	xs:unsignedInt
	GradeLevels	O		Collection of grade levels applicable to this school calendar.	GradeLevelsType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.5-1: CalendarSummary

JSON


```
{
  "CalendarSummary": {
    "RefId": "B5739375800AC4CC63850BB2754114AA",
    "SchoolInfoRefId": "B7A34E561C97345C0A4E11BB112B2753",
    "SchoolYear": "2005",
    "LocalId": "123321A",
    "Description": "Elementary School Calendar",
    "DaysInSession": 180,
    "FirstInstructionDate": "2006-09-05",
    "LastInstructionDate": "2007-06-10",
    "GraduationDate": "2007-06-11",
    "InstructionalMinutes": 64800,
    "MinutesPerDay": 360,
    "GradeLevels": {
      "GradeLevel": [
        {
          "Code": {
            "value": "03"
          }
        },
        {
          "Code": {
            "value": "04"
          }
        },
        {
          "Code": {
            "value": "05"
          }
        }
      ]
    }
  }
}
```

XML

```
<CalendarSummary RefId="B5739375800AC4CC63850BB2754114AA" SchoolInfoRefId="B7A34E561C97345C0A4E11BB112B2753" SchoolYear="2005">
  <LocalId>123321A</LocalId>
  <Description>Elementary School Calendar</Description>
  <DaysInSession>180</DaysInSession>
  <FirstInstructionDate>2006-09-05</FirstInstructionDate>
  <LastInstructionDate>2007-06-10</LastInstructionDate>
  <GraduationDate>2007-06-11</GraduationDate>
  <InstructionalMinutes>64800</InstructionalMinutes>
  <MinutesPerDay>360</MinutesPerDay>
  <GradeLevels>
    <GradeLevel>
      <Code>03</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>04</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>05</Code>
    </GradeLevel>
  </GradeLevels>
</CalendarSummary>
```

Example 3.16.5-1: CalendarSummary

3.16.6 DisciplineIncident

This object provides information on incidents involving violence, weapons, drugs, and other safety and discipline issues.

SIF_Events are reported for this object.

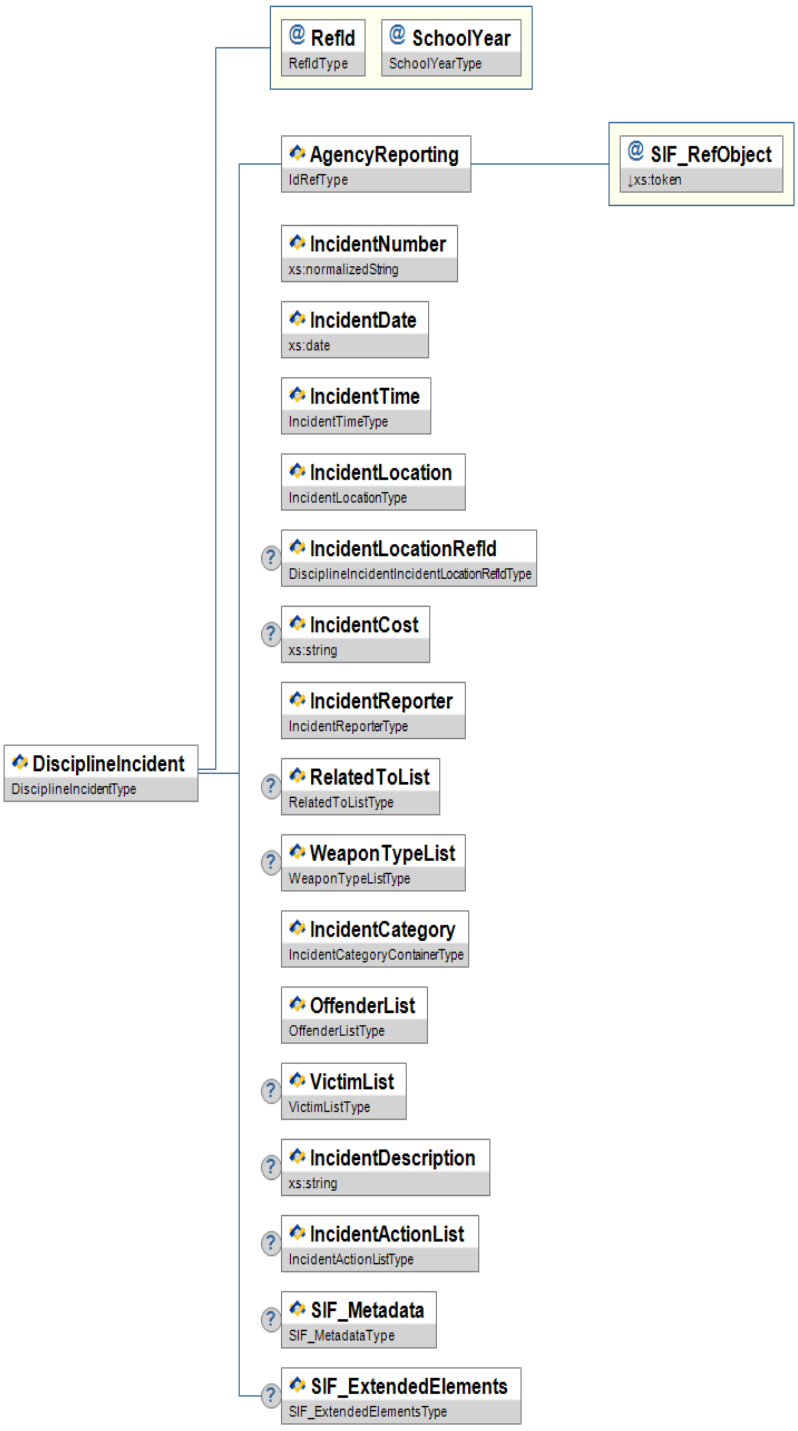


Figure 3.16.6-1: DisciplineIncident

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DisciplineIncident			This object provides information on incidents involving violence, weapons, drugs, and other safety and discipline issues.	
@	RefId	M		The unique identifier (GUID) of this discipline incident.	RefIdType
@	SchoolYear	M		School year in which the incident occurred, and for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2007" for the 2006-07 school year).	SchoolYearType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AgencyReporting	M		The Id (GUID) of the school or LEA reporting the incident, usually the school in which the incident occurred.	IdRefType
@	SIF_RefObject	M		The name of the SIF object to which the GUID relates.	values: SchoolInfo LEAInfo
	IncidentNumber	M	000501 https://ceds.ed.gov/element/000501	The locally-defined unique identifier (within the school or school district) to identify this specific incident or occurrence.	xs:normalizedString
	IncidentDate	M	000502 https://ceds.ed.gov/element/000502	The date when the incident occurred.	xs:date
	IncidentTime	M	000503 https://ceds.ed.gov/element/000503	The time when the incident occurred.	IncidentTimeType
	IncidentLocation	M	000617 https://ceds.ed.gov/element/000617	The locally-defined identifier or description of the location where the incident occurred.	IncidentLocationType
	IncidentLocationRefId	O			DisciplineIncidentIncidentLocationRefIdType
	IncidentCost	O		If the incident resulted in a quantifiable monetary loss for any entity involved, identify and record the value of that loss. Cost may be reported by specific monetary amount or range.	xs:string
	IncidentReporter	M	000507 https://ceds.ed.gov/element/000507	Information regarding the individual who reported the incident.	IncidentReporterType
	RelatedToList	O		List of categories to which the incident is related.	RelatedToListType
	WeaponTypeList	C		List of weapons involved in the incident. If the incident involves weapons, the element must have a value. Each weapon used in the incident is identified by a WeaponType entry. When multiple weapons of a single type are used, each weapon has a separate entry in this list. Weapons used by individual offenders are also reported in WeaponTypeList entries associated to the offender.	WeaponTypeListType
	IncidentCategory	M		The category or description for this incident.	IncidentCategoryContainerType
	OffenderList	M		List of offenders.	OffenderListType
	VictimList	C		List of victim(s) if the incident is directed toward specific persons or their property.	VictimListType
	IncidentDescription	O	000508 https://ceds.ed.gov/element/000508	A long text description of full details and a report of what occurred.	xs:string
	IncidentActionList	O		List of actions taken on the incident, regardless of actions relating to individual offenders.	IncidentActionListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.6-1: DisciplineIncident

JSON

```
{
  "DisciplineIncident": {
    "RefId": "A1544ED564995254A4568EFFC5100BD1",
    "SchoolYear": "2007",
    "AgencyReporting": {
      "SIF_RefObject": "SchoolInfo",
      "value": "0847987235489729AAA73011BB365EC3"
    },
    "IncidentNumber": "56501",
    "IncidentDate": "2007-04-14",
    "IncidentTime": {
      "Type": "100",
      "value": "13:20:30"
    },
    "IncidentLocation": {
      "Type": "3014",
      "value": "232"
    },
    "IncidentLocationRefId": {
      "SIF_RefObject": "SchoolInfo",
      "value": "0847987235489729AAA73011BB365EC3"
    },
    "IncidentCost": "500.00",
    "IncidentReporter": {
      "Type": "3422",
      "Name": {
        "Type": "04",
        "LastName": "Jones",
        "FirstName": "Sam"
      },
      "SIF_RefId": {
        "SIF_RefObject": "StaffPersonal",
        "value": "AC47B8703DD89729A55730177B300574"
      }
    },
    "RelatedToList": {
      "RelatedTo": [
        "3066",
        "3068"
      ]
    },
    "WeaponTypeList": {
      "WeaponType": [
        "0099"
      ]
    },
    "IncidentCategory": {
      "Code": {
        "value": "1500"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "StateProvince",
            "value": "DSRD"
          }
        ]
      }
    },
    "OffenderList": {
      "Offender": [
        {
          "Type": "0126",
          "Name": {
            "Type": "04",
            "LastName": "Fernall",
            "FirstName": "William"
          },
          "SIF_RefId": {
            "SIF_RefObject": "StudentPersonal",
            "value": "0847987235489729AAA73011BB365EC3"
          },
          "Injury": {
            "value": "3065"
          },
          "ManifestationDetermination": {
            "MeetingHeld": {
              "value": "Yes"
            },
            "MeetingDate": "2007-04-16",
            "DueToDisability": {
              "value": "No"
            }
          },
          "ActionList": {
            "Action": [
              {
                "Code": {
                  "value": "3080"
                },
                "OtherCodeList": {
                  "OtherCode": [
                    {
                      "Codeset": "StateProvince",
                      "value": "ANMG"
                    }
                  ]
                },
                "StartDate": "2004-04-15",
                "EndDate": "2004-04-15",
                "Duration": 1,
                "ZeroTolerance": {
                  "value": "No"
                },
                "FullYearExpulsion": {
                  "value": "No"
                },
                "ShortenedExpulsion": {
                  "value": "No"
                },
                "PoliceNotification": {
                  "value": "No"
                },
                "Arrest": {
                  "value": "No"
                },
                "AlternativeEducation": {
                  "value": "No"
                }
              }
            ]
          }
        }
      ]
    },
    "VictimList": {
      "Victim": [
        {
          "Type": "3061",
          "Name": {
            "Type": "04",
            "LastName": "Woolman",
```

```
          "FirstName": "John"
        },
        "Injury": {
          "value": "3065"
        }
      }
    ]
  }
}
```


XML


```
<DisciplineIncident RefId="A1544ED564995254A4568EFFC5100BD1" SchoolYear="2007">
  <AgencyReporting SIF_RefObject="SchoolInfo">08479872354897 29AAA73011BB365EC3</AgencyReporting>
  <IncidentNumber>56501</IncidentNumber>
  <IncidentDate>2007-04-14</IncidentDate>
  <IncidentTime Type="100">13:20:30</IncidentTime>
  <IncidentLocation Type="3014">232</IncidentLocation>
  <IncidentLocationRefId SIF_RefObject="SchoolInfo">08479872354897 29AAA73011BB365EC3</IncidentLocationRefId>
  <IncidentCost>500.00</IncidentCost>
  <IncidentReporter Type="3422">
    <Name Type="04">
      <LastName>Jones</LastName>
      <FirstName>Sam</FirstName>
    </Name>
    <SIF_RefId SIF_RefObject="StaffPersonal">AC47B8703DD89729A55730177B300574</SIF_RefId>
  </IncidentReporter>
  <RelatedToList>
    <RelatedTo>3066</RelatedTo>
    <RelatedTo>3068</RelatedTo>
  </RelatedToList>
  <WeaponTypeList>
    <WeaponType>0099</WeaponType>
  </WeaponTypeList>
  <IncidentCategory>
    <Code>1500</Code>
    <OtherCodeList>
      <OtherCode Codeset="StateProvince">DSRD</OtherCode>
    </OtherCodeList>
  </IncidentCategory>
  <OffenderList>
    <Offender Type="0126">
      <Name Type="04">
        <LastName>Fernall</LastName>
        <FirstName>William</FirstName>
      </Name>
      <SIF_RefId SIF_RefObject="StudentPersonal">08479872354897 29AAA73011BB365EC3</SIF_RefId>
      <Injury>3065</Injury>
      <ManifestationDetermination>
        <MeetingHeld>Yes</MeetingHeld>
        <MeetingDate>2007-04-16</MeetingDate>
        <DueToDisability>No</DueToDisability>
      </ManifestationDetermination>
      <ActionList>
        <Action>
          <Code>3080</Code>
          <OtherCodeList>
            <OtherCode Codeset="StateProvince">ANMG</OtherCode>
          </OtherCodeList>
          <StartDate>2004-04-15</StartDate>
          <EndDate>2004-04-15</EndDate>
          <Duration>1</Duration>
          <ZeroTolerance>No</ZeroTolerance>
          <FullYearExpulsion>No</FullYearExpulsion>
          <ShortenedExpulsion>No</ShortenedExpulsion>
          <PoliceNotification>No</PoliceNotification>
          <Arrest>No</Arrest>
          <AlternativeEducation>No</AlternativeEducation>
        </Action>
      </ActionList>
    </Offender>
  </OffenderList>
  <VictimList>
    <Victim Type="3061">
      <Name Type="04">
        <LastName>Woolman</LastName>
        <FirstName>John</FirstName>
      </Name>
      <Injury>3065</Injury>
    </Victim>
  </VictimList>
</DisciplineIncident>
```


Example 3.16.6-1: Discipline Incident

3.16.7 LEAAccountability

Holds EDFacts accountability elements for a Local Education Agency.

SIF_Events are reported for this object.

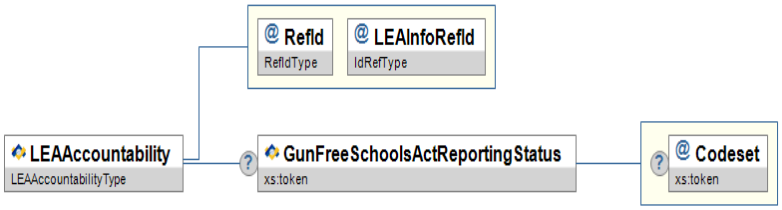


Figure 3.16.7-1: LEAAccountability

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LEAAccountability			Holds EDFacts accountability elements for a Local Education Agency.	
@	RefId	M		The Id (GUID) that uniquely identifies the Local Education Agency.	RefIdType
@	LEAInfoRefId	M		The Id (GUID) that identifies the LEA where accountability is being tracked.	IdRefType
	GunFreeSchoolsActReportingStatus	O	000134 https://ceds.ed.gov/element/000134	An indication of whether the school or local education agency (LEA) submitted a Gun-Free Schools Act (GFSA) of 1994 report to the state, as defined by Title 18, Section 921.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table 3.16.7-1: LEAAccountability

3.16.8 LEAFederalFund

Holds federal funding elements for a Local Education Agency.

SIF_Events are reported for this object.

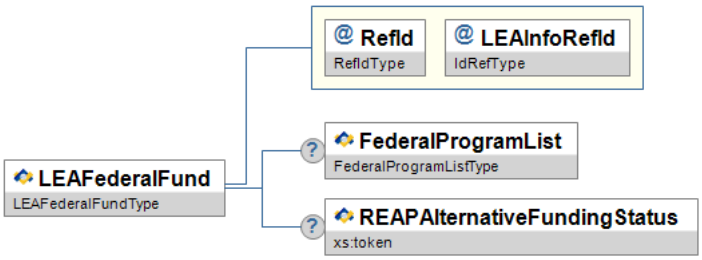


Figure 3.16.8-1: LEAFederalFund

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LEAFederalFund			Holds federal funding elements for an LEA.	
@	RefId	M		The Id (GUID) that uniquely identifies the LEA.	RefIdType
@	LEAInfoRefId	M		The Id (GUID) that identifies the school where federal funds being tracked.	IdRefType
	FederalProgramList	O		The federal programs the LEA is participating in.	FederalProgramListType
	REAPAlternativeFundingStatus	O	000560 https://ceds.ed.gov/element/000560	An indication that the local education agency (LEA) notified the state of the LEA's intention to use REAP-Flex Alternative Uses of Funding Authority during the school year as specified in the Title VI, Section 6211 of ESEA as amended.	xs:token

Table 3.16.8-1: LEAFederalFund

3.16.9 LEAInfo

This object contains information about a school district or other Local Educational Agency (LEA).

SIF_Events are reported for this object.

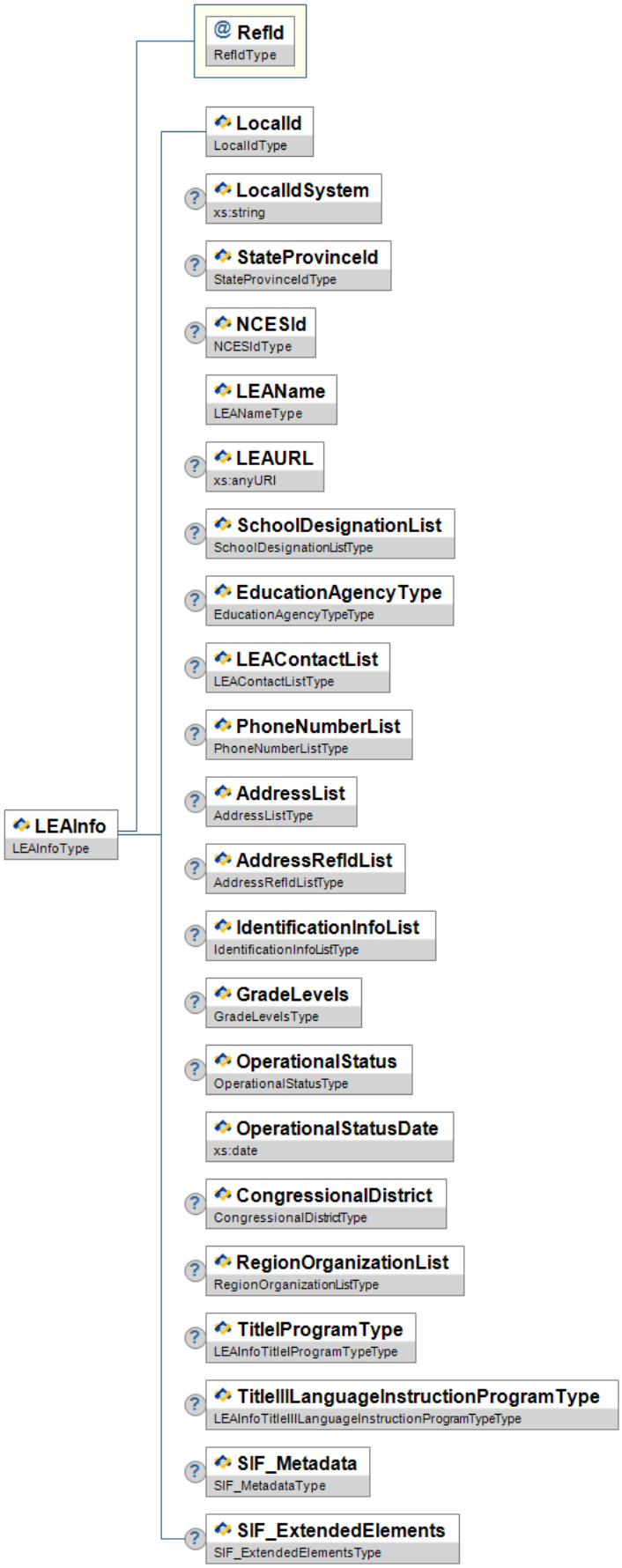


Figure 3.16.9-1: LEAInfo

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LEAInfo			This object contains information about a school district or other Local Educational Agency (LEA).	
@	RefId	M		The GUID of the LEA whose information this is.	RefIdType
	LocalId	M	001068 https://ceds.ed.gov/element/001068	The locally-assigned identifier for this LEA.	LocalIdType
	LocalIdSystem	O	001072 https://ceds.ed.gov/element/001072	The locally-assigned identifier for this LEA.	xs:string
	StateProvinceId	O		The state-assigned identifier for this LEA.	StateProvinceIdType
	NCESId	O		The NCES-assigned identifier for this LEA.	NCESIdType
	LEAName	M	000204 https://ceds.ed.gov/element/000204	Name of LEA.	LEANameType
	LEAURL	O	000704 https://ceds.ed.gov/element/000704	URL for the LEA.	xs:anyURI
	SchoolDesignationList	O		A list of designations of the kind of groups creating the school.	SchoolDesignationListType
	EducationAgencyType	O		The classification of the education agency within the geographic boundaries of a state according to the level of administrative and operational control.	EducationAgencyTypeType
	LEAContactList	O			LEAContactListType
	PhoneNumberList	O		The LEA's phone number(s).	PhoneNumberListType
	AddressList	O		The LEA's address(es).	AddressListType
	AddressRefIdList	O		References to separate potentially reusable, shared, or pre-verified addresses.	AddressRefIdListType
	IdentificationInfoList	O		Other identification information associated with an LEA, such as the locally-defined code/identifier, etc.	IdentificationInfoListType
	GradeLevels	O		Collection of grade levels offered in this LEA.	GradeLevelsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OperationalStatus	O	000174 https://ceds.ed.gov/element/000174	Operational condition of an LEA.	OperationalStatusType
	OperationalStatusDate	M	000534 https://ceds.ed.gov/element/000534	The effective date for a change in operational status.	xs:date
	CongressionalDistrict	O		Number for the US congressional district where the LEA is located.	CongressionalDistrictType
	RegionOrganizationList	O		A list of indicators connecting the LEA to regions or organizational constructs.	RegionOrganizationListType
	TitleIProgramType	O			LEAInfoTitleIProgramTypeType
	TitleIIILanguageInstructionProgramType	O			LEAInfoTitleIIILanguageInstructionProgramTypeType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.9-1: LEAInfo

JSON

```
{
 "LEAInfo": {
   "RefId": "D3E34B359D75101A8C3D00AA001A1652",
   "LocalId": "946379881",
   "StateProvinceId": "C2345681",
   "NCESId": "4215750",
   "LEAName": "Happy Meadow School District",
   "LEAURL": "http://www.happymeadowsd.edu",
   "EducationAgencyType": {
     "Code": {
       "value": "3486"
     }
   },
   "LEAContactList": {
     "LEAContact": [
       {
         "PublishInDirectory": {
           "value": "Yes"
         },
         "ContactInfo": {
           "Name": {
             "Type": "04",
             "LastName": "Geisel",
             "FirstName": "Theodore",
             "FullName": "Theodore Geisel"
           },
           "PositionTitle": "Superintendent",
           "EmailList": {
             "Email": [
               {
                 "Type": "Primary",
                 "value": "drseuss@happymeadowsd.edu"
               }
             ]
           },
           "PhoneNumberList": {
             "PhoneNumber": [
               {
                 "Type": "0096",
                 "Number": "(555) 555-0103"
               }
             ]
           }
         }
       }
     ]
   },
   "PhoneNumberList": {
     "PhoneNumber": [
       {
         "Type": "0096",
         "Number": "(312) 555-1234"
       }
     ]
   },
   "IdentificationInfoList": {
     "IdentificationInfo": [
       {
         "Code": "9999",
         "value": "2134A"
       }
     ]
   },
   "GradeLevels": {
     "GradeLevel": [
       {
         "Code": {
           "value": "09"
         }
       },
       {
         "Code": {
           "value": "10"
         }
       },
       {
         "Code": {
           "value": "11"
         }
       },
       {
         "Code": {
           "value": "12"
         }
       }
     ]
   },
   "OperationalStatus": {
     "value": "0820"
   },
   "CongressionalDistrict": "3"
 }
}
```


XML

```
<LEAInfo RefId="D3E34B359D75101A8C3D00AA001A1652">
  <LocalId>946379881</LocalId>
  <StateProvinceId>C2345681</StateProvinceId>
  <NCESId>4215750</NCESId>
  <LEAName>Happy Meadow School District</LEAName>
  <LEAURL>http://www.happymeadowsd.edu</LEAURL>
  <EducationAgencyType>
    <Code>3486</Code>
  </EducationAgencyType>
  <LEAContactList>
    <LEAContact>
      <PublishInDirectory>Yes</PublishInDirectory>
      <ContactInfo>
        <Name Type="04">
          <LastName>Geisel</LastName>
          <FirstName>Theodore</FirstName>
          <FullName>Theodore Geisel</FullName>
        </Name>
        <PositionTitle>Superintendent</PositionTitle>
        <EmailList>
          <Email Type="Primary">drseuss@happymeadowsd.edu</Email>
        </EmailList>
        <PhoneNumberList>
          <PhoneNumber Type="0096">
            <Number>(555) 555-0103</Number>
          </PhoneNumber>
        </PhoneNumberList>
      </ContactInfo>
    </LEAContact>
  </LEAContactList>
  <PhoneNumberList>
    <PhoneNumber Type="0096">
      <Number>(312) 555-1234</Number>
    </PhoneNumber>
  </PhoneNumberList>
  <IdentificationInfoList>
    <IdentificationInfo Code="9999">2134A</IdentificationInfo>
  </IdentificationInfoList>
  <GradeLevels>
    <GradeLevel>
      <Code>09</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>10</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>11</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>12</Code>
    </GradeLevel>
  </GradeLevels>
  <OperationalStatus>0820</OperationalStatus>
  <CongressionalDistrict>3</CongressionalDistrict>
</LEAInfo>
```

Example 3.16.9-1: LEAInfo

3.16.10 RoomInfo

This object contains all of the information about a school's room. This object may contain a reference to a room type so that it may represent anything from a gym, cafeteria, to a standard classroom. The StaffList element usually contains the homeroom teacher.

SIF_Events are reported for this object.

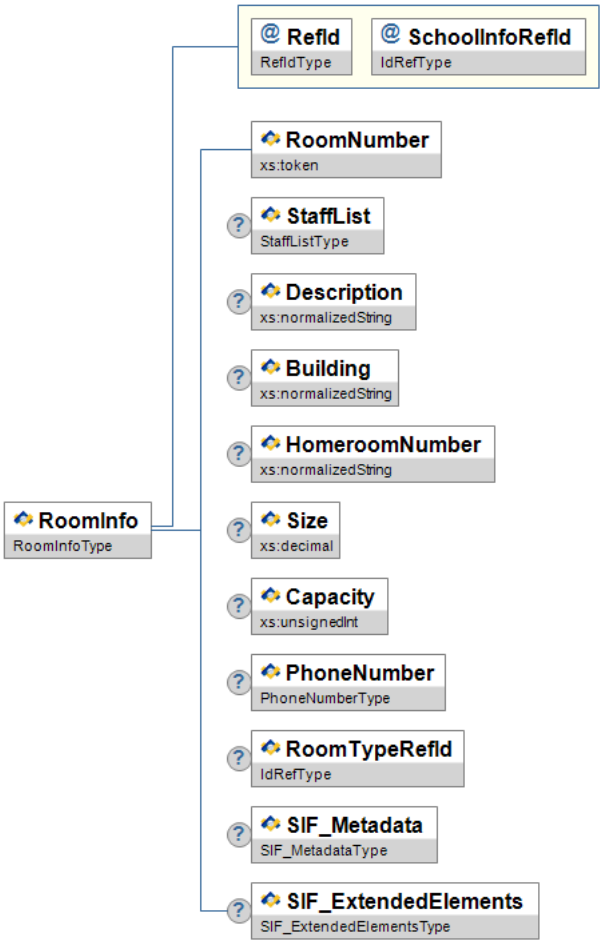


Figure 3.16.10-1: RoomInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RoomInfo			This object contains all of the information about a school's room. This object may contain a reference to a room type so that it may represent anything from a gym, cafeteria, to a standard classroom. The StaffList element usually contains the homeroom teacher.	
@ 🔑	RefId	M	000364 https://ceds.ed.gov/element/000364	GUID that identifies this room.	RefIdType
@	SchoolInfoRefId	M		GUID that identifies the school that this room belongs to.	IdRefType
	RoomNumber	M	002507 https://ceds.ed.gov/element/002507	Room number as presented to the user/application.	xs:token
	StaffList	O			StaffListType
	Description	O		Friendly name that can be assigned to the room (e.g. `Staff Cafeteria`).	xs:normalizedString
	Building	O		Extra building information. In the future Building could become its own object in which case this element will need to be changed to a RefId. Currently it is only required as a free text field.	xs:normalizedString
	HomeroomNumber	O		When a room is designated as a homeroom it may have a different number. Usually blank when room is not a homeroom.	xs:normalizedString
	Size	O		Size in square feet.	xs:decimal

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Capacity	O		Number of persons (usually students) that this room can hold.	xs:unsignedInt
	PhoneNumber	O		Phone number for the room	PhoneNumberType
	RoomTypeRefId	O		GUID that identifies the room type assigned to this room.	IdRefType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.10-1: RoomInfo

JSON

```
{
  "RoomInfo": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "SchoolInfoRefId": "A2E35B359D75101A8C3D00AA001A0000",
    "RoomNumber": "101",
    "StaffList": {
      "StaffPersonalRefId": [
        "A8C3A2E35B359D75101D00AA001A0000"
      ]
    },
    "Description": "Room 101",
    "Building": "Main A",
    "HomeroomNumber": "10-HR-A",
    "Size": 400,
    "Capacity": 35,
    "PhoneNumber": {
      "Type": "0096",
      "Number": "(312) 555-1234"
    },
    "RoomTypeRefId": "9D75101A8C3D00AA001A0000A2E35B35"
  }
}
```

XML

```
<RoomInfo RefId="D3E34B359D75101A8C3D00AA001A1652" SchoolInfoRefId="A2E35B359D75101A8C3D00AA001A0000">
  <RoomNumber>101</RoomNumber>
  <StaffList>
    <StaffPersonalRefId>A8C3A2E35B359D75101D00AA001A0000</StaffPersonalRefId>
  </StaffList>
  <Description>Room 101</Description>
  <Building>Main A</Building>
  <HomeroomNumber>10-HR-A</HomeroomNumber>
  <Size>400</Size>
  <Capacity>35</Capacity>
  <PhoneNumber Type="0096">
    <Number>(312) 555-1234</Number>
  </PhoneNumber>
  <RoomTypeRefId>9D75101A8C3D00AA001A0000A2E35B35</RoomTypeRefId>
</RoomInfo>
```

Example 3.16.10-1: RoomInfo

3.16.11 RoomType

This object identifies the type of room, i.e. gym, cafeteria, standard classroom, etc.

SIF_Events are reported for this object.

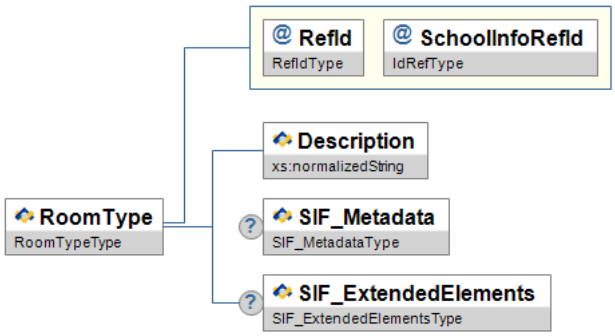


Figure 3.16.11-1: RoomType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RoomType			This object identifies the type of room, i.e. gym, cafeteria, standard classroom, etc.	
@	RefId	M		GUID that identifies this room type.	RefIdType
@	SchoolInfoRefId	M	000504 https://ceds.ed.gov/element/000504	GUID that identifies the school that this room type belongs to.	IdRefType
	Description	M		Description of the room type.	xs:normalizedString
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.11-1: RoomType

JSON

```
{
  "RoomType": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "SchoolInfoRefId": "A2E35B359D75101A8C3D00AA001A0000",
    "Description": "Gymnasium"
  }
}
```

XML

```
<RoomType RefId="D3E34B359D75101A8C3D00AA001A1652" SchoolInfoRefId="A2E35B359D75101A8C3D00AA001A0000">
  <Description>Gymnasium</Description>
</RoomType>
```

Example 3.16.11-1: RoomType

3.16.12 SchoolAccountability

Holds EDFacts accountability elements for a school.

SIF_Events are reported for this object.

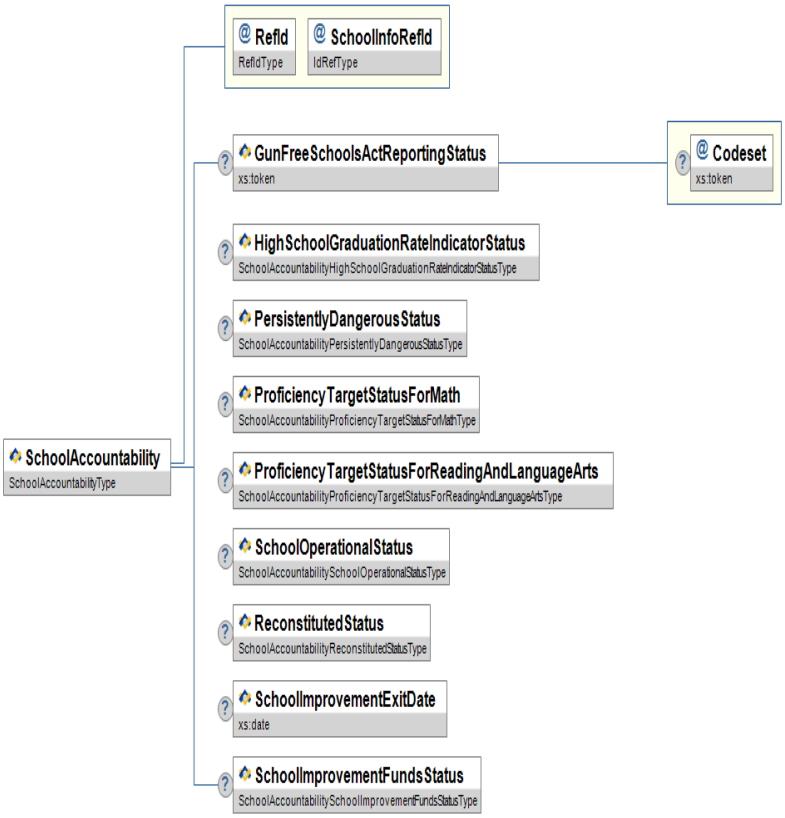


Figure 3.16.12-1: SchoolAccountability

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolAccountability			Holds EDFacts accountability elements for a school.	
@	RefId	M		The Id (GUID) that uniquely identifies the school.	RefIdType
@	SchoolInfoRefId	M		The Id (GUID) that identifies the school where accountability is being tracked.	IdRefType
	GunFreeSchoolsActReportingStatus	O	000134 https://ceds.ed.gov/element/000134	An indication of whether the school or local education agency (LEA) submitted a Gun-Free Schools Act (GFSA) of 1994 report to the state, as defined by Title 18, Section 921.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	HighSchoolGraduationRateIndicatorStatus	O			SchoolAccountabilityHighSchoolGraduationRateIndicatorStatusType
	PersistentlyDangerousStatus	O			SchoolAccountabilityPersistentlyDangerousStatusType
	ProficiencyTargetStatusForMath	O			SchoolAccountabilityProficiencyTargetStatusForMathType
	ProficiencyTargetStatusForReadingAndLanguageArts	O			SchoolAccountabilityProficiencyTargetStatusForReadingAndLanguageArtsTy
	SchoolOperationalStatus	O			SchoolAccountabilitySchoolOperationalStatusType
	ReconstitutedStatus	O			SchoolAccountabilityReconstitutedStatusType
	SchoolImprovementExitDate	O	000481 https://ceds.ed.gov/element/000481	Date the school exited school improvement status.	xs:date
	SchoolImprovementFundsStatus	O			SchoolAccountabilitySchoolImprovementFundsStatusType

Table 3.16.12-1: SchoolAccountability

3.16.13 SchoolCourseInfo

This object is for course information.

SIF_Events are reported for this object.

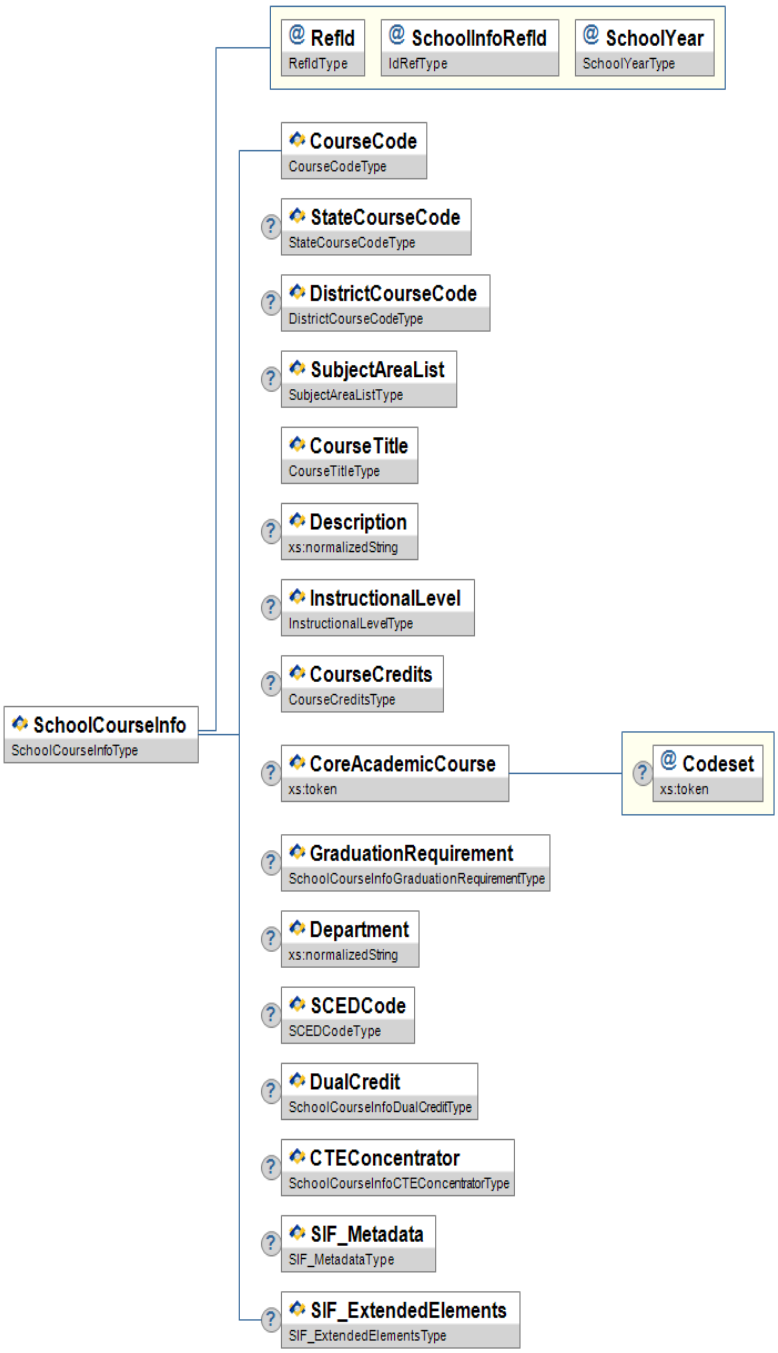


Figure 3.16.13-1: SchoolCourseInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolCourseInfo			This object is for course information.	
@	RefId	M	000056 https://ceds.ed.gov/element/000056	The Id (GUID) that uniquely identifies the school course.	RefIdType
@	SchoolInfoRefId	M		The Id (GUID) that identifies the school where the course is offered.	IdRefType
@	SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006-07 school year).	SchoolYearType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CourseCode	M	000055 https://ceds.ed.gov/element/000055	School-defined local code for the course.	CourseCodeType
	StateCourseCode	O		State-defined standard course code used to report information about courses.	StateCourseCodeType
	DistrictCourseCode	O		The corresponding district course code.	DistrictCourseCodeType
	SubjectAreaList	O		Subject matter areas.	SubjectAreaListType
	CourseTitle	M	000067 https://ceds.ed.gov/element/000067	Title of the course.	CourseTitleType
	Description	O		Textual description of the course.	xs:normalizedString
	InstructionalLevel	O		An indication of the general nature and difficulty of instruction provided.	InstructionalLevelType
	CourseCredits	O	000060 https://ceds.ed.gov/element/000060	The number of credits awarded upon course completion.	CourseCreditsType
	CoreAcademicCourse	O	000013 https://ceds.ed.gov/element/000013	Does the course meet the state definition of a core academic course?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	GraduationRequirement	O			SchoolCourseInfoGraduationRequirementType
	Department	O		Department with jurisdiction over this course.	xs:normalizedString
	SCEDCode	O		Course code from the School Codes for the Exchange of Data that describes the course content. NOTE: SCED codes currently only apply to secondary courses. This element may be sent with `xsi:nil="true"` or omitted for elementary courses.	SCEDCodeType
	DualCredit	O			SchoolCourseInfoDualCreditType
	CTEConcentrator	O			SchoolCourseInfoCTEConcentratorType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.13-1: SchoolCourseInfo

JSON

```
{
  "SchoolCourseInfo": {
    "RefId": "9D75101A8C3D00AA001A0000A2E35B35",
    "SchoolInfoRefId": "101A8C3D00AA001A0000A2E35B359D75",
    "SchoolYear": "2006",
    "CourseCode": "CS101",
    "StateCourseCode": "08-001",
    "DistrictCourseCode": "CS101",
    "SubjectAreaList": {
      "SubjectArea": [
        {
          "Code": {
            "value": "05"
          },
          "OtherCodeList": {
            "OtherCode": [
              {
                "Codeset": "Text",
                "value": "Graphic Arts"
              }
            ]
          }
        }
      ]
    },
    "CourseTitle": "Gif, JPeg, or Png: What's the Difference?",
    "Description": "Explore the various types of files related to graphic arts.",
    "InstructionalLevel": {
      "Code": {
        "value": "0571"
      }
    },
    "CourseCredits": {
      "Type": "0585",
      "value": 2
    },
    "CoreAcademicCourse": {
      "value": "No"
    },
    "GraduationRequirement": {
      "value": "No"
    },
    "DualCredit": {
      "value": "Yes"
    },
    "CTEConcentrator": {
      "value": "Yes"
    }
  }
}
```


XML


```
<SchoolCourseInfo RefId="9D75101A8C3D00AA001A0000A2E35B35" SchoolInfoRefId="101A8C3D00AA001A0000A2E35B359D75" SchoolYear="2006">
  <CourseCode>CS101</CourseCode>
  <StateCourseCode>08-001</StateCourseCode>
  <DistrictCourseCode>CS101</DistrictCourseCode>
  <SubjectAreaList>
    <SubjectArea>
      <Code>05</Code>
      <OtherCodeList>
        <OtherCode Codeset="Text">Graphic Arts</OtherCode>
      </OtherCodeList>
    </SubjectArea>
  </SubjectAreaList>
  <CourseTitle>Gif, JPeg, or Png: What's the Difference?</CourseTitle>
  <Description>Explore the various types of files related to graphic arts.</Description>
  <InstructionalLevel>
    <Code>0571</Code>
  </InstructionalLevel>
  <CourseCredits Type="0585">2</CourseCredits>
  <CoreAcademicCourse>No</CoreAcademicCourse>
  <GraduationRequirement>No</GraduationRequirement>
  <DualCredit>Yes</DualCredit>
  <CTEConcentrator>Yes</CTEConcentrator>
</SchoolCourseInfo>
```


Example 3.16.13-1: SchoolCourseInfo

3.16.14 SchoolFederalFund

Holds federal funding elements for a school.

SIF_Events are reported for this object.

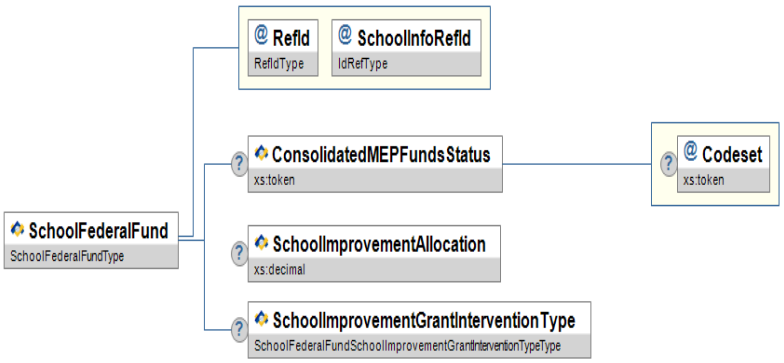


Figure 3.16.14-1: SchoolFederalFund

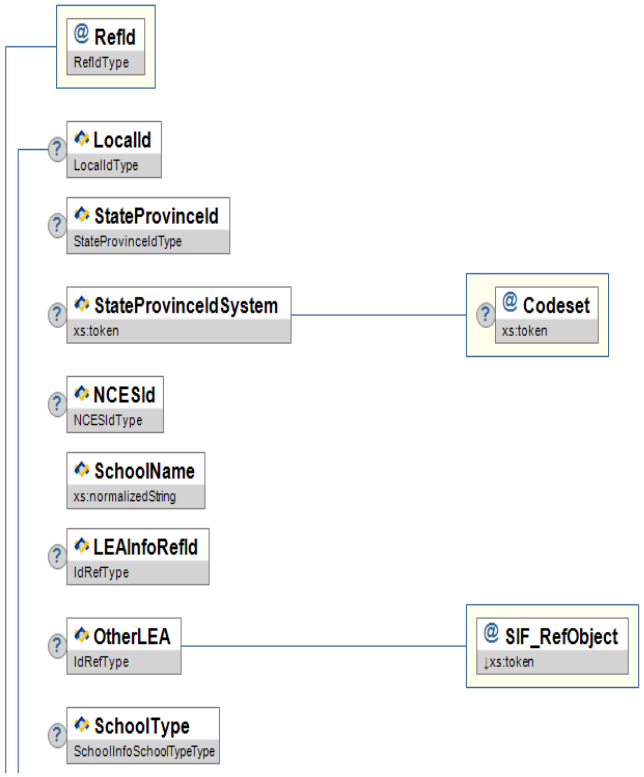
	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolFederalFund			Holds federal funding elements for a school.	
@	RefId	M		The Id (GUID) that uniquely identifies the school.	RefIdType
@	SchoolInfoRefId	M		The Id (GUID) that identifies the school where federal funds being tracked.	IdRefType
	ConsolidatedMEPFundsStatus	O	000542 https://ceds.ed.gov/element/000542	An indication of whether the school has a school-wide program, as defined by current law, in which federal Migrant Education Program (MEP) funds are consolidated.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	SchoolImprovementAllocation	O	000480 https://ceds.ed.gov/element/000480	The amount of Section 1003(a) and 1003(g) allocations to LEAs and Schools.	xs:decimal
	SchoolImprovementGrantInterventionType	O			SchoolFederalFundSchoolImprovementGrantInterventionTypeType

Table 3.16.14-1: SchoolFederalFund

3.16.15 SchoolInfo

This object contains information about the school.

SIF_Events are reported for this object.



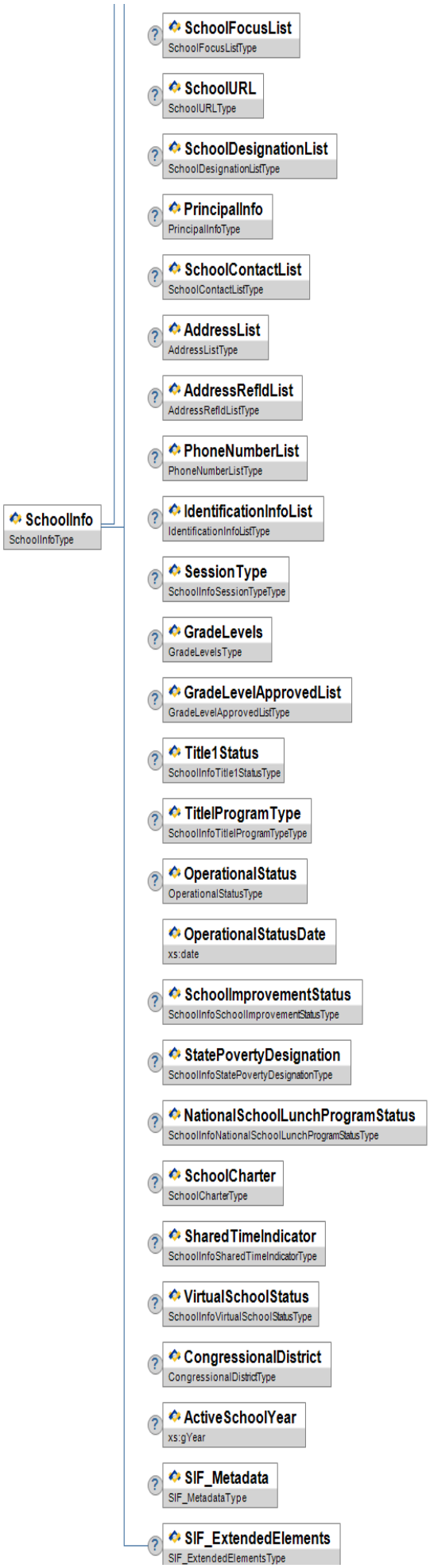

SchoolInfo
SchoolInfoType
SchoolFocusList
SchoolFocusListType
SchoolURL
SchoolURLType
SchoolDesignationList
SchoolDesignationListType
PrincipalInfo
PrincipalInfoType
SchoolContactList
SchoolContactListType
AddressList
AddressListType
AddressRefIdList
AddressRefIdListType
PhoneNumberList
PhoneNumberListType
IdentificationInfoList
IdentificationInfoListType
SessionType
SchoolInfoSessionTypeType
GradeLevels
GradeLevelsType
GradeLevelApprovedList
GradeLevelApprovedListType
Title1Status
SchoolInfoTitle1StatusType
TitleIProgramType
SchoolInfoTitleIProgramTypeType
OperationalStatus
OperationalStatusType
OperationalStatusDate
xs:date
SchoolImprovementStatus
SchoolInfoSchoolImprovementStatusType
StatePovertyDesignation
SchoolInfoStatePovertyDesignationType
NationalSchoolLunchProgramStatus
SchoolInfoNationalSchoolLunchProgramStatusType
SchoolCharter
SchoolCharterType
SharedTimeIndicator
SchoolInfoSharedTimeIndicatorType
VirtualSchoolStatus
SchoolInfoVirtualSchoolStatusType
CongressionalDistrict
CongressionalDistrictType
ActiveSchoolYear
xs:gYear
SIF_Metadata
SIF_MetadataType
SIF_ExtendedElements
SIF_ExtendedElementsType

Figure 3.16.15-1: SchoolInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolInfo			This object contains information about the school.	
@	RefId	M		The GUID that identifies this school.	RefIdType
	LocalId	O	000365 https://ceds.ed.gov/element/000365	The locally-assigned identifier for this school.	LocalIdType
	StateProvinceId	O	000826 https://ceds.ed.gov/element/000826	The state-assigned identifier for this school.	StateProvinceIdType
	StateProvinceIdSystem	O	000827 https://ceds.ed.gov/element/000827	A coding scheme that is used for identification and record-keeping purposes by schools, social services, or other agencies to refer to an organization.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	NCESId	O		The NCES-assigned identifier for this school.	NCESIdType
	SchoolName	M	000191 https://ceds.ed.gov/element/000191	Name of school.	xs:normalizedString
	LEAInfoRefId	O		The Id (GUID) that references the school district of which this school is a member.	IdRefType
	OtherLEA	O		The Id (GUID) of another related education agency, such as a regional service agency.	IdRefType
@	SIF_RefObject	M		The name of the object reference.	values: LEAInfo
	SchoolType	O			SchoolInfoSchoolTypeType
	SchoolFocusList	O			SchoolFocusListType
	SchoolURL	O	000704 https://ceds.ed.gov/element/000704	URL for the school.	SchoolURLType
	SchoolDesignationList	O		A list of designations of the kind of groups creating the school.	SchoolDesignationListType
	PrincipalInfo	O		Information about the school's principal.	PrincipalInfoType
	SchoolContactList	O			SchoolContactListType
	AddressList	O		The school's addresses.	AddressListType
	AddressRefIdList	O		References to separate potentially reusable, shared, or pre-verified addresses.	AddressRefIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PhoneNumberList	O		The school's phone numbers.	PhoneNumberListType
	IdentificationInfoList	O		Other identification information associated with a school, such as the locally-defined code/identifier, etc.	IdentificationInfoListType
	SessionType	O			SchoolInfoSessionTypeType
	GradeLevels	O		Collection of grade levels offered in this school.	GradeLevelsType
	GradeLevelApprovedList	O		Collection of grade levels this school may (but doesn't necessarily) offer.	GradeLevelApprovedListType
	Title1Status	O			SchoolInfoTitle1StatusType
	TitleIProgramType	O			SchoolInfoTitleIProgramTypeType
	OperationalStatus	O	000533 https://ceds.ed.gov/element/000533	Operational condition of a school.	OperationalStatusType
	OperationalStatusDate	M	000534 https://ceds.ed.gov/element/000534	The effective date for a change in operational status.	xs:date
	SchoolImprovementStatus	O			SchoolInfoSchoolImprovementStatusType
	StatePovertyDesignation	O			SchoolInfoStatePovertyDesignationType
	NationalSchoolLunchProgramStatus	O			SchoolInfoNationalSchoolLunchProgramStatusType
	SchoolCharter	O		Fields concerning the establishment or continuation of a charter school.	SchoolCharterType
	SharedTimeIndicator	O			SchoolInfoSharedTimeIndicatorType
	VirtualSchoolStatus	O			SchoolInfoVirtualSchoolStatusType
	CongressionalDistrict	O		Number for the US congressional district of the school location.	CongressionalDistrictType
	ActiveSchoolYear	O		School year for active (current) year, expressed as the four-digit year in which the school year ends (e.g. 2012 for the 2011-12 school year).	xs:gYear
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.15-1: SchoolInfo

JSON

```
{
  "SchoolInfo": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "LocalId": "946379881",
    "StateProvinceId": "C2345681",
    "NCESId": "421575003045",
    "SchoolName": "Lincoln High School",
    "LEAInfoRefId": "73648462888624AA5294BC6380173276",
    "OtherLEA": {
      "SIF_RefObject": "LEAInfo",
      "value": "AA648462888624AA5294BC638017320B"
    },
    "SchoolFocusList": {
      "SchoolFocus": [
        "Regular"
      ]
    },
    "SchoolURL": "http://www.lincolnhs.edu",
    "PrincipalInfo": {
      "ContactName": "Richard Knudson",
      "ContactTitle": "Dr."
    },
    "SchoolContactList": {
      "SchoolContact": [
        {
          "PublishInDirectory": {
            "value": "Yes"
          },
          "ContactInfo": {
            "Name": {
              "Type": "04",
              "LastName": "Miller",
              "FirstName": "James"
            },
            "PositionTitle": "Office Assistant",
            "EmailList": {
              "Email": [
                {
                  "Type": "Primary",
                  "value": "jmiller@lhs.k12.state.us"
                }
              ]
            },
            "PhoneNumberList": {
              "PhoneNumber": [
                {
                  "Type": "0096",
                  "Number": "(555) 555-1235"
                }
              ]
            }
          }
        }
      ]
    },
    "PhoneNumberList": {
      "PhoneNumber": [
        {
          "Type": "0096",
          "Number": "(555) 555-1234"
        }
      ]
    },
    "IdentificationInfoList": {
      "IdentificationInfo": [
        {
          "Code": "0175",
          "value": "00123"
        }
      ]
    },
    "SessionType": {
      "value": "0830"
    },
    "GradeLevels": {
      "GradeLevel": [
        {
          "Code": {
            "value": "09"
          }
        },
        {
          "Code": {
            "value": "10"
          }
        },
        {
          "Code": {
            "value": "11"
          }
        },
        {
          "Code": {
            "value": "12"
          }
        }
      ]
    },
    "TitleIStatus": {
      "value": "Targeted"
    },
    "OperationalStatus": {
      "value": "0820"
    },
    "CongressionalDistrict": "3",
    "ActiveSchoolYear": "2012"
  }
}
```


XML

```
<SchoolInfo RefId="D3E34B359D75101A8C3D00AA001A1652">
  <LocalId>946379881</LocalId>
  <StateProvinceId>C2345681</StateProvinceId>
  <NCESId>421575003045</NCESId>
  <SchoolName>Lincoln High School</SchoolName>
  <LEAInfoRefId>73648462888624AA5294BC6380173276</LEAInfoRefId>
  <OtherLEA SIF_RefObject="LEAInfo">AA648462888624AA5294BC638017320B</OtherLEA>
  <SchoolFocusList>
    <SchoolFocus>Regular</SchoolFocus>
  </SchoolFocusList>
  <SchoolURL>http://www.lincolnhs.edu</SchoolURL>
  <PrincipalInfo>
    <ContactName>Richard Knudson</ContactName>
    <ContactTitle>Dr.</ContactTitle>
  </PrincipalInfo>
  <SchoolContactList>
    <SchoolContact>
      <PublishInDirectory>Yes</PublishInDirectory>
      <ContactInfo>
        <Name Type="04">
          <LastName>Miller</LastName>
          <FirstName>James</FirstName>
        </Name>
        <PositionTitle>Office Assistant</PositionTitle>
        <EmailList>
          <Email Type="Primary">jmiller@lhs.k12.state.us</Email>
        </EmailList>
        <PhoneNumberList>
          <PhoneNumber Type="0096">
            <Number>(555) 555-1235</Number>
          </PhoneNumber>
        </PhoneNumberList>
      </ContactInfo>
    </SchoolContact>
  </SchoolContactList>
  <PhoneNumberList>
    <PhoneNumber Type="0096">
      <Number>(555) 555-1234</Number>
    </PhoneNumber>
  </PhoneNumberList>
  <IdentificationInfoList>
    <IdentificationInfo Code="0175">00123</IdentificationInfo>
  </IdentificationInfoList>
  <SessionType>0830</SessionType>
  <GradeLevels>
    <GradeLevel>
      <Code>09</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>10</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>11</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>12</Code>
    </GradeLevel>
  </GradeLevels>
  <Title1Status>Targeted</Title1Status>
  <OperationalStatus>0820</OperationalStatus>
  <CongressionalDistrict>3</CongressionalDistrict>
  <ActiveSchoolYear>2012</ActiveSchoolYear>
</SchoolInfo>
```

Example 3.16.15-1: SchoolInfo

3.16.16 SectionCorrelation

This object provides information about the classes being correlated for some program purpose, for example, career tech or team scheduling.

SIF_Events are reported for this object.

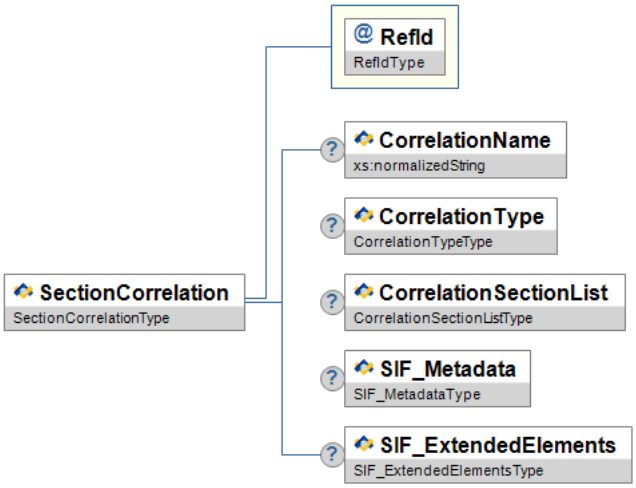


Figure 3.16.16-1: SectionCorrelation

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SectionCorrelation			This object provides information about the classes being correlated for some program purpose, for example, career tech or team scheduling.	
@	RefId	M		The Id (GUID) that uniquely identifies this correlation.	RefIdType
	CorrelationName	O		The classes being correlated for some program purpose, for example, career tech or team scheduling.	xs:normalizedString
	CorrelationType	O		The type of correlation.	CorrelationTypeType
	CorrelationSectionList	O		The list of SectionInfo objects being correlated.	CorrelationSectionListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.16-1: SectionCorrelation

JSON


```
{
  "SectionCorrelation": {
    "RefId": "6472B2610947583A463DBB345291B001",
    "CorrelationName": "ComputerizedMilling",
    "CorrelationType": {
      "Code": {
        "value": "c"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "Other",
            "value": "CM1"
          }
        ]
      }
    },
    "CorrelationSectionList": {
      "CorrelationSection": [
        {
          "Primary": "yes",
          "value": "FE8864830132100000FFF002500F11F4E"
        },
        {
          "Primary": "no",
          "value": "AE8864830132100001F4F002500F11F41"
        },
        {
          "Primary": "no",
          "value": "EE8864830132100001F1F002500F11F49"
        }
      ]
    }
  }
}
```


XML


```
<SectionCorrelation RefId="6472B2610947583A463DBB345291B001">
  <CorrelationName>ComputerizedMilling</CorrelationName>
  <CorrelationType>
    <Code>c</Code>
    <OtherCodeList>
      <OtherCode Codeset="Other">CM1</OtherCode>
    </OtherCodeList>
  </CorrelationType>
  <CorrelationSectionList>
    <CorrelationSection Primary="yes">FE8864830132100000FFF002500F11F4E</CorrelationSection>
    <CorrelationSection Primary="no">AE8864830132100001F4F002500F11F41</CorrelationSection>
    <CorrelationSection Primary="no">EE8864830132100001F1F002500F11F49</CorrelationSection>
  </CorrelationSectionList>
</SectionCorrelation>
```


Example 3.16.16-1: SectionCorrelation

3.16.17 SectionInfo

This object provides information about the section—the specific time period a session of the course meets.

SIF_Events are reported for this object.

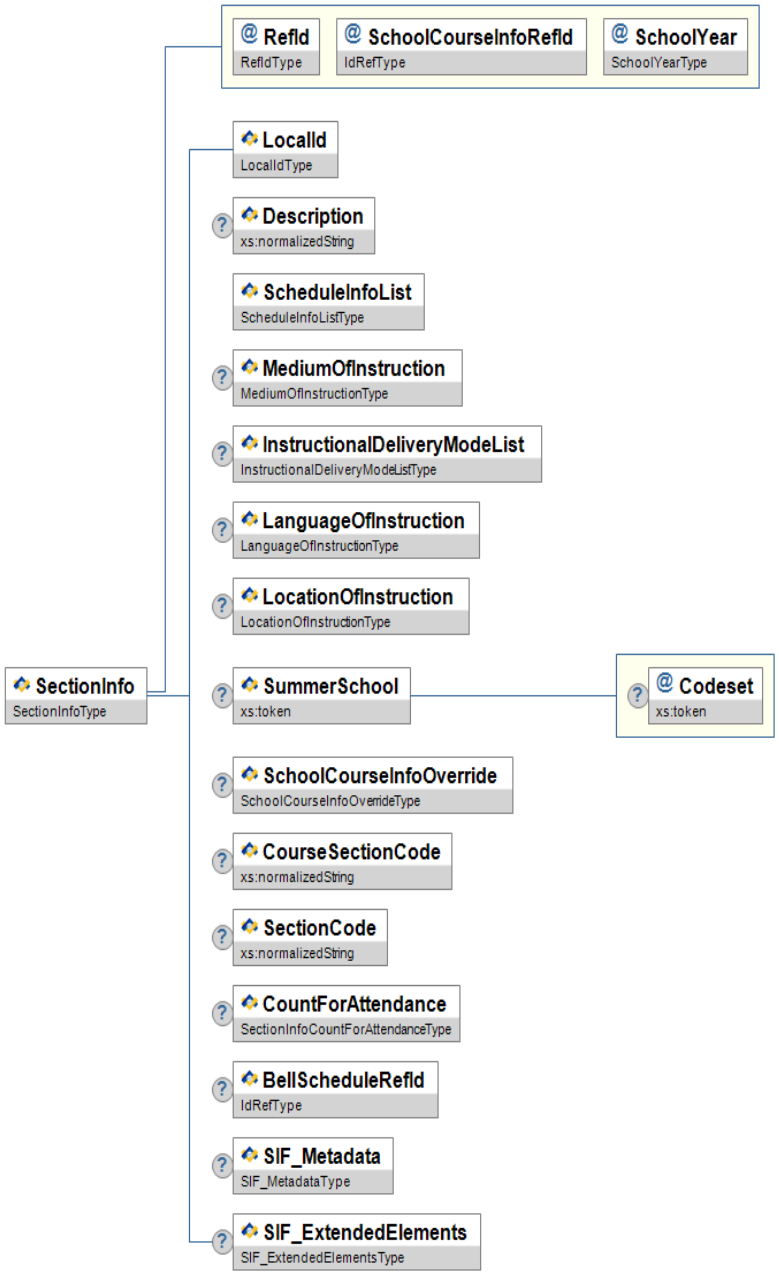


Figure 3.16.17-1: SectionInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SectionInfo			This object provides information about the section—the specific time period a session of the course meets.	
@	RefId	M		The Id (GUID) that uniquely identifies this section entity.	RefIdType
@	SchoolCourseInfoRefId	M		The Id (GUID) that identifies the course being taught in this section.	IdRefType
@	SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006-07 school year).	SchoolYearType
	LocalId	M		The locally-assigned identifier for this course section.	LocalIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Description	O		Description of the course section.	xs:normalizedString
	ScheduleInfoList	M			ScheduleInfoListType
	MediumOfInstruction	O		Medium through which the student receives instructional communication from the teacher. Note: this element has been deprecated—use InstructionalDeliveryModeList.	MediumOfInstructionType
	InstructionalDeliveryModeList	O		The various instructional delivery modes offered for this section.	InstructionalDeliveryModeListType
	LanguageOfInstruction	O		Language in which the section is taught.	LanguageOfInstructionType
	LocationOfInstruction	O		Description of the location in which the section is taught.	LocationOfInstructionType
	SummerSchool	O		Is this a summer school assignment?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	SchoolCourseInfoOverride	O		Optional overrides of the course information for this section.	SchoolCourseInfoOverrideType
	CourseSectionCode	O	000055 https://ceds.ed.gov/element/000055	A section code that is linked to a course. This should be a unique identifier within the school year and course (i.e. the class instance number for a course). For example, Algebra I: Section 23 is different from English II: Section 23.	xs:normalizedString
	SectionCode	O		A unique identifier of the section for the school year and across courses (i.e. unique across all courses). For example, Algebra I sections range from 00122 to 00140 and English II courses range from 00141 to 00152.	xs:normalizedString
	CountForAttendance	O			SectionInfoCountForAttendanceType
	BellScheduleRefId	O		The GUID of the bell schedule used by this section.	IdRefType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.17-1: SectionInfo

JSON

```
{
  "SectionInfo": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "SchoolCourseInfoRefId": "A2E35B359D75101A8C3D00AA001A0000",
    "SchoolYear": "2006",
    "LocalId": "287-1",
    "ScheduleInfoList": {
      "ScheduleInfo": [
        {
          "TermInfoRefId": "099BBC3227490063E97403434C5C2207",
          "TeacherList": {
            "StaffPersonalRefId": [
              "A8C3A2E35B359D75101D00AA001A0000",
              "A8C45DC6B3359D75101D00A456BE9000"
            ]
          },
          "SectionRoomList": {
            "RoomInfoRefId": [
              "94785736AB3671090BDD87593A264086"
            ]
          },
          "MeetingTimeList": {
            "MeetingTime": [
              {
                "TimetableDay": "M",
                "TimetablePeriod": "6"
              },
              {
                "TimetableDay": "T",
                "TimetablePeriod": "6"
              },
              {
                "TimetableDay": "W",
                "TimetablePeriod": "6"
              },
              {
                "TimetableDay": "R",
                "TimetablePeriod": "6"
              },
              {
                "TimetableDay": "F",
                "TimetablePeriod": "6"
              }
            ]
          }
        },
        {
          "TermInfoRefId": "A2334007263E97403434C5C220798765",
          "TeacherList": {
            "StaffPersonalRefId": [
              "CC543E35B359D75101D00AA001A00703"
            ]
          },
          "SectionRoomList": {
            "RoomInfoRefId": [
              "94785736AB3671090BDD87593A264086"
            ]
          },
          "MeetingTimeList": {
            "MeetingTime": [
              {
                "TimetableDay": "M",
                "TimetablePeriod": "4"
              },
              {
                "TimetableDay": "T",
                "TimetablePeriod": "4"
              },
              {
                "TimetableDay": "W",
                "TimetablePeriod": "4"
              },
              {
                "TimetableDay": "R",
                "TimetablePeriod": "4"
              },
              {
                "TimetableDay": "F",
                "TimetablePeriod": "4"
              }
            ]
          }
        }
      ]
    },
    "MediumOfInstruction": {
      "Code": {
        "value": "0605"
      }
    },
    "LanguageOfInstruction": {
      "Code": {
        "value": "eng"
      }
    },
    "LocationOfInstruction": {
      "Code": {
        "value": "0340"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "Text",
            "value": "Pennsylvania College of Technology"
          }
        ]
      }
    },
    "SchoolCourseInfoOverride": {
      "Override": "Yes",
      "CourseCode": "CS101A",
      "StateCourseCode": "08-001A",
      "DistrictCourseCode": "CS101A",
      "SubjectArea": {
        "Code": {
          "value": "05"
        },
        "OtherCodeList": {
          "OtherCode": [
            {
              "Codeset": "Text",
              "value": "Graphic Arts for Beginners"
            }
          ]
        }
      },
      "CourseTitle": "Graphics Basics",
      "InstructionalLevel": {
        "Code": {
          "value": "0570"
        }
      },
```

```
    "CourseCredits": {
      "Type": "0585",
      "value": 0.5
    }
  }
 }
}
```

XML

```
<SectionInfo RefId="D3E34B359D75101A8C3D00AA001A1652" SchoolCourseInfoRefId="A2E35B359D75101A8C3D00AA001A0000" SchoolYear="2006">
  <LocalId>287-1</LocalId>
  <ScheduleInfoList>
    <ScheduleInfo TermInfoRefId="099BBC3227490063E97403434C5C2207">
      <TeacherList>
        <StaffPersonalRefId>A8C3A2E35B359D75101D00AA001A0000</StaffPersonalRefId>
        <StaffPersonalRefId>A8C45DC6B3359D75101D00A456BE9000</StaffPersonalRefId>
      </TeacherList>
      <SectionRoomList>
        <RoomInfoRefId>94785736AB3671090BDD87593A264086</RoomInfoRefId>
      </SectionRoomList>
      <MeetingTimeList>
        <MeetingTime>
          <TimetableDay>M</TimetableDay>
          <TimetablePeriod>6</TimetablePeriod>
        </MeetingTime>
        <MeetingTime>
          <TimetableDay>T</TimetableDay>
          <TimetablePeriod>6</TimetablePeriod>
        </MeetingTime>
        <MeetingTime>
          <TimetableDay>W</TimetableDay>
          <TimetablePeriod>6</TimetablePeriod>
        </MeetingTime>
        <MeetingTime>
          <TimetableDay>R</TimetableDay>
          <TimetablePeriod>6</TimetablePeriod>
        </MeetingTime>
        <MeetingTime>
          <TimetableDay>F</TimetableDay>
          <TimetablePeriod>6</TimetablePeriod>
        </MeetingTime>
      </MeetingTimeList>
    </ScheduleInfo>
    <ScheduleInfo TermInfoRefId="A2334007263E97403434C5C220798765">
      <TeacherList>
        <StaffPersonalRefId>CC543E35B359D75101D00AA001A00703</StaffPersonalRefId>
      </TeacherList>
      <SectionRoomList>
        <RoomInfoRefId>94785736AB3671090BDD87593A264086</RoomInfoRefId>
      </SectionRoomList>
      <MeetingTimeList>
        <MeetingTime>
          <TimetableDay>M</TimetableDay>
          <TimetablePeriod>4</TimetablePeriod>
        </MeetingTime>
        <MeetingTime>
          <TimetableDay>T</TimetableDay>
          <TimetablePeriod>4</TimetablePeriod>
        </MeetingTime>
        <MeetingTime>
          <TimetableDay>W</TimetableDay>
          <TimetablePeriod>4</TimetablePeriod>
        </MeetingTime>
        <MeetingTime>
          <TimetableDay>R</TimetableDay>
          <TimetablePeriod>4</TimetablePeriod>
        </MeetingTime>
        <MeetingTime>
          <TimetableDay>F</TimetableDay>
          <TimetablePeriod>4</TimetablePeriod>
        </MeetingTime>
      </MeetingTimeList>
    </ScheduleInfo>
  </ScheduleInfoList>
  <MediumOfInstruction>
    <Code>0605</Code>
  </MediumOfInstruction>
  <LanguageOfInstruction>
    <Code>eng</Code>
  </LanguageOfInstruction>
  <LocationOfInstruction>
    <Code>0340</Code>
    <OtherCodeList>
      <OtherCode Codeset="Text">Pennsylvania College of Technology</OtherCode>
    </OtherCodeList>
  </LocationOfInstruction>
  <SchoolCourseInfoOverride Override="Yes">
    <CourseCode>CS101A</CourseCode>
    <StateCourseCode>08-001A</StateCourseCode>
    <DistrictCourseCode>CS101A</DistrictCourseCode>
    <SubjectArea>
      <Code>05</Code>
      <OtherCodeList>
        <OtherCode Codeset="Text">Graphic Arts for Beginners</OtherCode>
      </OtherCodeList>
    </SubjectArea>
    <CourseTitle>Graphics Basics</CourseTitle>
    <InstructionalLevel>
      <Code>0570</Code>
    </InstructionalLevel>
    <CourseCredits Type="0585">0.50</CourseCredits>
  </SchoolCourseInfoOverride>
</SectionInfo>
```

Example 3.16.17-1: SectionInfo - Example 1

JSON

```
{
  "SectionInfo": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "SchoolCourseInfoRefId": "A2E35B359D75101A8C3D00AA001A0000",
    "SchoolYear": "2006",
    "LocalId": "287-1",
    "ScheduleInfoList": {
      "ScheduleInfo": [
        {
          "TermInfoRefId": "099BBC3227490063E97403434C5C2207",
          "TeacherList": {
            "StaffPersonalRefId": [
              "A8C3A2E35B359D75101D00AA001A0000",
              "A8C45DC6B3359D75101D00A456BE9000"
            ]
          },
          "SectionRoomList": {
            "RoomInfoRefId": [
              "94785736AB3671090BDD87593A264086"
            ]
          },
          "MeetingTimeList": {
            "MeetingTime": [
              {
                "TimetableDay": "A",
                "TimetablePeriod": "P4"
              }
            ]
          }
        },
        {
          "TermInfoRefId": "099BBC3227490063E97403434C5C2207",
          "TeacherList": {
            "StaffPersonalRefId": [
              "CC543E35B359D75101D00AA001A00703"
            ]
          },
          "SectionRoomList": {
            "RoomInfoRefId": [
              "94785736AB3671090BDD87593A264086"
            ]
          },
          "MeetingTimeList": {
            "MeetingTime": [
              {
                "TimetableDay": "B",
                "TimetablePeriod": "P5"
              }
            ]
          }
        }
      ]
    },
    "MediumOfInstruction": {
      "Code": {
        "value": "0605"
      }
    },
    "LanguageOfInstruction": {
      "Code": {
        "value": "ach"
      }
    },
    "LocationOfInstruction": {
      "Code": {
        "value": "0340"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "Text",
            "value": "Pennsylvania College of Technology"
          }
        ]
      }
    },
    "SchoolCourseInfoOverride": {
      "Override": "Yes",
      "CourseCode": "CS101A",
      "StateCourseCode": "08-001A",
      "DistrictCourseCode": "CS101A",
      "SubjectArea": {
        "Code": {
          "value": "05"
        },
        "OtherCodeList": {
          "OtherCode": [
            {
              "Codeset": "Text",
              "value": "Graphic Arts for Beginners"
            }
          ]
        }
      },
      "CourseTitle": "Graphics Basics",
      "InstructionalLevel": {
        "Code": {
          "value": "0570"
        }
      },
      "CourseCredits": {
        "Type": "0585",
        "value": 0.5
      }
    },
    "CourseSectionCode": "1",
    "SectionCode": "Eng08-01",
    "CountForAttendance": {
      "value": "Yes"
    },
    "BellScheduleRefId": "A157E79C10AC744ED90AF2871BEB90B3"
  }
}
```


XML

```
<SectionInfo RefId="D3E34B359D75101A8C3D00AA001A1652" SchoolCourseInfoRefId="A2E35B359D75101A8C3D00AA001A0000" SchoolYear="2006">
  <LocalId>287-1</LocalId>
  <ScheduleInfoList>
    <ScheduleInfo TermInfoRefId="099BBC3227490063E97403434C5C2207">
      <TeacherList>
        <StaffPersonalRefId>A8C3A2E35B359D75101D00AA001A0000</StaffPersonalRefId>
        <StaffPersonalRefId>A8C45DC6B3359D75101D00A456BE9000</StaffPersonalRefId>
      </TeacherList>
      <SectionRoomList>
        <RoomInfoRefId>94785736AB3671090BDD87593A264086</RoomInfoRefId>
      </SectionRoomList>
      <MeetingTimeList>
        <MeetingTime>
          <TimetableDay>A</TimetableDay>
          <TimetablePeriod>P4</TimetablePeriod>
        </MeetingTime>
      </MeetingTimeList>
    </ScheduleInfo>
    <ScheduleInfo TermInfoRefId="099BBC3227490063E97403434C5C2207">
      <TeacherList>
        <StaffPersonalRefId>CC543E35B359D75101D00AA001A00703</StaffPersonalRefId>
      </TeacherList>
      <SectionRoomList>
        <RoomInfoRefId>94785736AB3671090BDD87593A264086</RoomInfoRefId>
      </SectionRoomList>
      <MeetingTimeList>
        <MeetingTime>
          <TimetableDay>B</TimetableDay>
          <TimetablePeriod>P5</TimetablePeriod>
        </MeetingTime>
      </MeetingTimeList>
    </ScheduleInfo>
  </ScheduleInfoList>
  <MediumOfInstruction>
    <Code>0605</Code>
  </MediumOfInstruction>
  <LanguageOfInstruction>
    <Code>ach</Code>
  </LanguageOfInstruction>
  <LocationOfInstruction>
    <Code>0340</Code>
    <OtherCodeList>
      <OtherCode Codeset="Text">Pennsylvania College of Technology</OtherCode>
    </OtherCodeList>
  </LocationOfInstruction>
  <SchoolCourseInfoOverride Override="Yes">
    <CourseCode>CS101A</CourseCode>
    <StateCourseCode>08-001A</StateCourseCode>
    <DistrictCourseCode>CS101A</DistrictCourseCode>
    <SubjectArea>
      <Code>05</Code>
      <OtherCodeList>
        <OtherCode Codeset="Text">Graphic Arts for Beginners</OtherCode>
      </OtherCodeList>
    </SubjectArea>
    <CourseTitle>Graphics Basics</CourseTitle>
    <InstructionalLevel>
      <Code>0570</Code>
    </InstructionalLevel>
    <CourseCredits Type="0585">0.50</CourseCredits>
  </SchoolCourseInfoOverride>
  <CourseSectionCode>1</CourseSectionCode>
  <SectionCode>Eng08-01</SectionCode>
  <CountForAttendance>Yes</CountForAttendance>
  <BellScheduleRefId>A157E79C10AC744ED90AF2871BEB90B3</BellScheduleRefId>
</SectionInfo>
```

Example 3.16.17-2: SectionInfo - Example 2

3.16.18 StaffAssignment

This object defines information related to a staff member's assignment(s); commonly, this will be a school assignment.

SIF_Events are reported for this object.

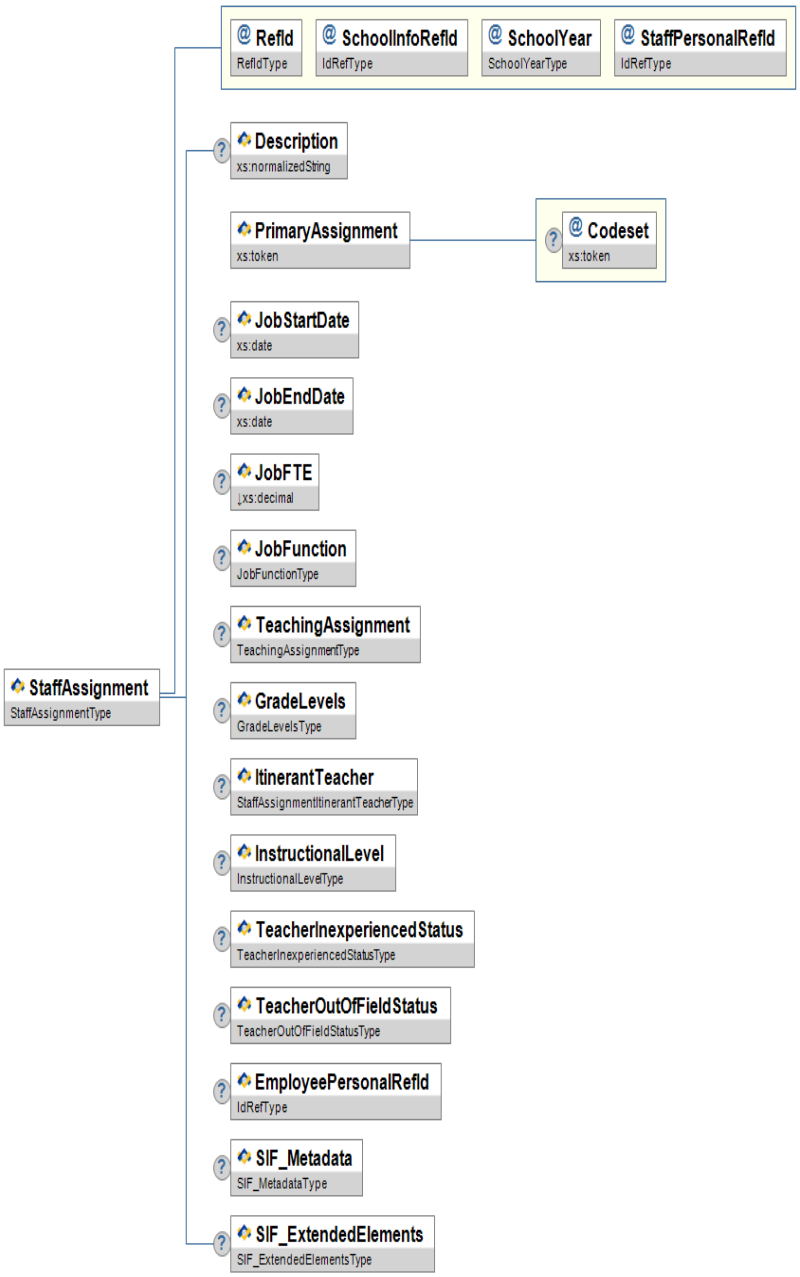


Figure 3.16.18-1: StaffAssignment

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StaffAssignment			This object defines information related to a staff member's assignment(s); commonly, this will be a school assignment.	
@	RefId	M		The GUID that uniquely identifies a particular staff assignment.	RefIdType
@	SchoolInfoRefId	M	000365 https://ceds.ed.gov/element/000365	The Id (GUID) that identifies the school where the staff member is assigned.	IdRefType
@	SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2007 for the 2006-07 school year).	SchoolYearType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	StaffPersonalRefId	M		Id (GUID) of this staff member, as represented in the StaffPersonal object.	IdRefType
	Description	O		Short assignment description	xs:normalizedString
	PrimaryAssignment	M		Is this the staff member's primary assignment? Note: There must be one and only one instance of the object with a `Yes` value in this element per school year.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	JobStartDate	O	000143 https://ceds.ed.gov/element/000143	This is the date from which the staff assignment is valid (inclusive).	xs:date
	JobEndDate	O	000646 https://ceds.ed.gov/element/000646	This is the date through which the staff assignment is valid (inclusive).	xs:date
	JobFTE	O		Full-time job equivalent ratio for this assignment. (Format is x.xx; an employee who is full-time and who is 50% of their time on this assignment would be represented as 0.50)	xs:decimal xs:minInclusive 0 xs:maxInclusive 1 xs:fractionDigits 2
	JobFunction	O		The purpose of the activities as related to students	JobFunctionType
	TeachingAssignment	O		The teacher field taught by the individual	TeachingAssignmentType
	GradeLevels	O		An indication of the grade level(s) the individual is assigned	GradeLevelsType
	ItinerantTeacher	O			StaffAssignmentItinerantTeacherType
	InstructionalLevel	O		An indication of the general nature of instruction provided throughout a course.	InstructionalLevelType
	TeacherInexperiencedStatus	O	001961 https://ceds.ed.gov/element/001961		TeacherInexperiencedStatusType
	TeacherOutOfFieldStatus	O	001962 https://ceds.ed.gov/element/001962		TeacherOutOfFieldStatusType
	EmployeePersonalRefId	O		A GUID referencing an EmployeePersonal object to be able to establish a link between HR employee objects and SIS staff objects.	IdRefType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.18-1: StaffAssignment

JSON

```
{
  "StaffAssignment": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "SchoolInfoRefId": "A8C3D3E34B359D75101D00AA001A1652",
    "SchoolYear": "2004",
    "StaffPersonalRefId": "D3E34B359D75101A8C3D00AA001A1651",
    "Description": "First grade elementary teacher",
    "PrimaryAssignment": {
      "value": "Yes"
    },
    "JobStartDate": "2000-09-05",
    "JobEndDate": "2001-06-25",
    "JobFTE": 1.0,
    "JobFunction": {
      "Code": {
        "value": "1000"
      }
    },
    "TeachingAssignment": {
      "Code": {
        "value": "1304"
      }
    },
    "ItinerantTeacher": {
      "value": "No"
    },
    "InstructionalLevel": {
      "Code": {
        "value": "0571"
      }
    },
    "EmployeePersonalRefId": "43E34B359D75101A8C3D00AA001A1652"
  }
}
```


XML


```
<StaffAssignment RefId="D3E34B359D75101A8C3D00AA001A1652" SchoolInfoRefId="A8C3D3E34B359D75101D00AA001A1652" SchoolYear="2004" StaffPersonalRefId="D3E34
  <Description>First grade elementary teacher</Description>
  <PrimaryAssignment>Yes</PrimaryAssignment>
  <JobStartDate>2000-09-05</JobStartDate>
  <JobEndDate>2001-06-25</JobEndDate>
  <JobFTE>1.00</JobFTE>
  <JobFunction>
    <Code>1000</Code>
  </JobFunction>
  <TeachingAssignment>
    <Code>1304</Code>
  </TeachingAssignment>
  <ItinerantTeacher>No</ItinerantTeacher>
  <InstructionalLevel>
    <Code>0571</Code>
  </InstructionalLevel>
  <EmployeePersonalRefId>43E34B359D75101A8C3D00AA001A1652</EmployeePersonalRefId>
</StaffAssignment>
```


Example 3.16.18-1: StaffAssignment

3.16.19 StaffEvaluation

This Staff Evaluation Object is to meet the new APPR Regulations from the Federal government and are being enforced by the states.

SIF_Events are reported for this object.

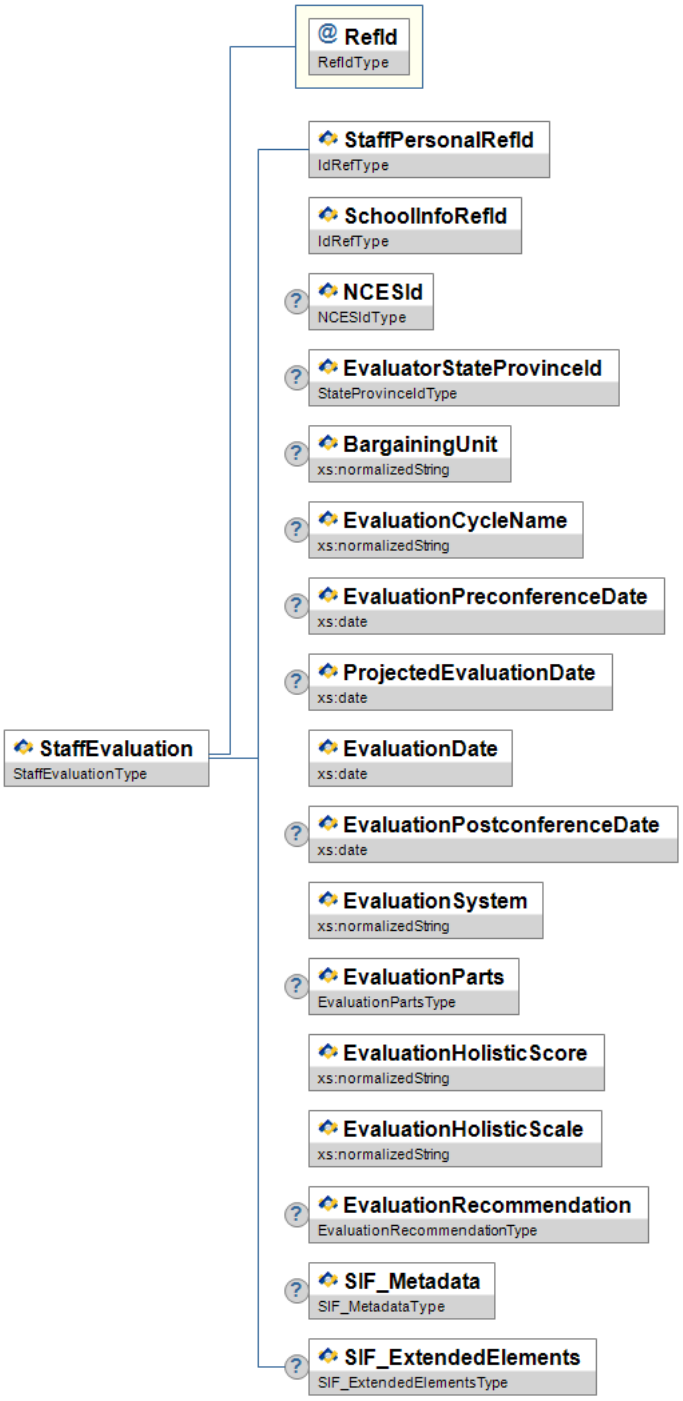


Figure 3.16.19-1: StaffEvaluation

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StaffEvaluation			This Staff Evaluation Object is to meet the new APPR Regulations from the Federal government and are being enforced by the states.	
@	RefId	M		The Id (GUID) that uniquely identifies this StaffEvaluation instance. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.	RefIdType
	StaffPersonalRefId	M		The Id (GUID) of the staff being evaluated.	IdRefType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolInfoRefId	M		The Id (GUID) of the School the staff member resides and where they are being evaluated.	IdRefType
	NCESId	O		The NCES-assigned identifier of the school or district where the evaluator resides.	NCESIdType
	EvaluatorStateProvinceId	O		The identifier that has been assigned by the state to the administrator that is administering the evaluation	StateProvinceIdType
	BargainingUnit	O		This is the unit that the person being observed is part of.	xs:normalizedString
	EvaluationCycleName	O		The type of evaluation that will take place for that individual.	xs:normalizedString
	EvaluationPreconferenceDate	O		When the Evaluation was first discussed and the goals for the evaluation were discussed.	xs:date
	ProjectedEvaluationDate	O		When the evaluation is anticipated to happen.	xs:date
	EvaluationDate	M		Date of when the evaluation actually was observed.	xs:date
	EvaluationPostconferenceDate	O		Date of Postconference where the evaluation will be discussed.	xs:date
	EvaluationSystem	M		This is the name of the tool being used.	xs:normalizedString
	EvaluationParts	O		The set of the Evaluation Parts.	EvaluationPartsType
	EvaluationHolisticScore	M		The overall Score for the evaluation.	xs:normalizedString
	EvaluationHolisticScale	M		This is the overall Scale that is being used for the evaluation.	xs:normalizedString
	EvaluationRecommendation	O		What was done because of a summative evaluation.	EvaluationRecommendationType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.19-1: StaffEvaluation

JSON

```
{
  "StaffEvaluation": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "StaffPersonalRefId": "DCE34B359D75101A8C3D00AA001A1652",
    "SchoolInfoRefId": "1947AB893C29F73910FEC3827A239CB1",
    "NCESId": "421575003045",
    "EvaluatorStateProvinceId": "L65432765",
    "BargainingUnit": "RTA",
    "EvaluationCycleName": "P1",
    "EvaluationPreconferenceDate": "2011-09-01",
    "ProjectedEvaluationDate": "2012-10-12",
    "EvaluationDate": "2012-10-13",
    "EvaluationPostconferenceDate": "2012-10-12",
    "EvaluationSystem": "My Learning Plan:OASYS",
    "EvaluationParts": {
      "EvaluationPart": [
        {
          "Name": "Using Assessment in Instruction",
          "Score": "3",
          "Scale": "1-4"
        },
        {
          "Name": " Demonstrating Knowledge of Resources ",
          "Score": "4",
          "Scale": "1-4"
        }
      ]
    },
    "EvaluationHolisticScore": "100-Mastery",
    "EvaluationHolisticScale": "1-100 Mastery, Proficient, Standards Met, Below Standards",
    "EvaluationRecommendation": {
      "Code": "02338",
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "Local",
            "value": "S"
          },
          {
            "Codeset": "Text",
            "value": "Semester"
          }
        ]
      }
    }
  }
}
```


XML


```
<StaffEvaluation RefId="359D75101AD0A9D7A8C3DAD0A85103A2">
  <StaffPersonalRefId>DCE34B359D75101A8C3D00AA001A1652</StaffPersonalRefId>
  <SchoolInfoRefId>1947AB893C29F73910FEC3827A239CB1</SchoolInfoRefId>
  <NCESId>421575003045</NCESId>
  <EvaluatorStateProvinceId>L65432765</EvaluatorStateProvinceId>
  <BargainingUnit>RTA</BargainingUnit>
  <EvaluationCycleName>P1</EvaluationCycleName>
  <EvaluationPreconferenceDate>2011-09-01</EvaluationPreconferenceDate>
  <ProjectedEvaluationDate>2012-10-12</ProjectedEvaluationDate>
  <EvaluationDate>2012-10-13</EvaluationDate>
  <EvaluationPostconferenceDate>2012-10-12</EvaluationPostconferenceDate>
  <EvaluationSystem>My Learning Plan:OASYS</EvaluationSystem>
  <EvaluationParts>
    <EvaluationPart>
      <Name>Using Assessment in Instruction</Name>
      <Score>3</Score>
      <Scale>1-4</Scale>
    </EvaluationPart>
    <EvaluationPart>
      <Name> Demonstrating Knowledge of Resources </Name>
      <Score>4</Score>
      <Scale>1-4</Scale>
    </EvaluationPart>
  </EvaluationParts>
  <EvaluationHolisticScore>100-Mastery</EvaluationHolisticScore>
  <EvaluationHolisticScale>1-100 Mastery, Proficient, Standards Met, Below Standards</EvaluationHolisticScale>
  <EvaluationRecommendation>
    <Code>02338</Code>
    <OtherCodeList>
      <OtherCode Codeset="Local">S</OtherCode>
      <OtherCode Codeset="Text">Semester</OtherCode>
    </OtherCodeList>
  </EvaluationRecommendation>
</StaffEvaluation>
```


Example 3.16.19-1: StaffEvaluation

3.16.20 StaffPersonal

This object contains all the personal information relating to a staff member, who might be a teacher or other employee of the school or district.

SIF_Events are reported for this object.

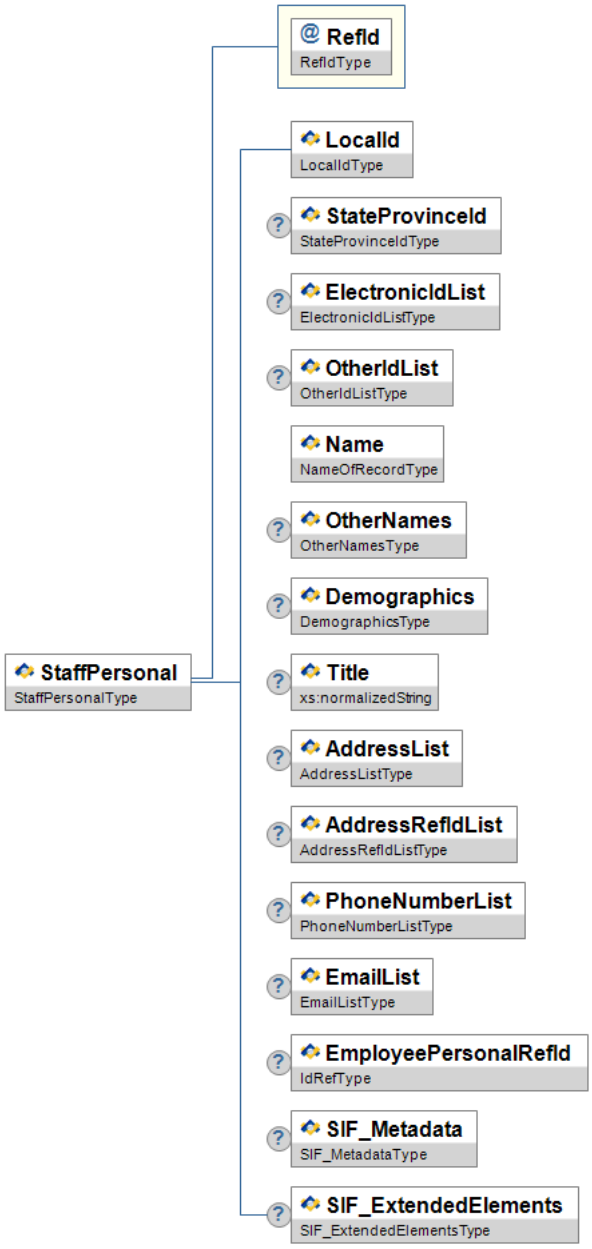


Figure 3.16.20-1: StaffPersonal

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StaffPersonal			This object contains all the personal information relating to a staff member, who might be a teacher or other employee of the school or district.	
@	RefId	M		The GUID of the staff member.	RefIdType
	LocalId	M		The locally-assigned identifier for this staff member.	LocalIdType
	StateProvinceId	O	000364 https://ceds.ed.gov/element/000364	The state-assigned identifier for this staff member.	StateProvinceIdType
	ElectronicIdList	O		Electronic identifier(s) associated with this entity.	ElectronicIdListType
	OtherIdList	O		Lists all "other" identifiers associated with the student.	OtherIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Name	M		Name of the staff member. Note: Type value of 04 must be used here.	NameOfRecordType
	OtherNames	O		Previous, alternate or other names or aliases associated with the staff member.	OtherNamesType
	Demographics	O		This element contains information related to staff member demographics.	DemographicsType
	Title	O	000087 https://ceds.ed.gov/element/000087	The staff member's title.	xs:normalizedString
	AddressList	O		The staff member's address(es).	AddressListType
	AddressRefIdList	O		References to separate potentially reusable, shared, or pre-verified addresses.	AddressRefIdListType
	PhoneNumberList	O		The staff member's phone number(s).	PhoneNumberListType
	EmailList	O		The staff member's e-mail address(es).	EmailListType
	EmployeePersonalRefId	O		Allows for a linkage to the HR/Fin EmployeePersonal object.	IdRefType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.20-1: StaffPersonal

JSON

```
{
  "StaffPersonal": {
    "RefId": "D3E34F419D75101A8C3D00AA001A1652",
    "LocalId": "946379881",
    "StateProvinceId": "C2345681",
    "ElectronicIdList": {
      "ElectronicId": [
        {
          "Type": "Barcode",
          "value": "206655"
        }
      ]
    },
    "OtherIdList": {
      "OtherId": [
        {
          "Type": "0004",
          "value": "333333333"
        }
      ]
    },
    "Name": {
      "Type": "04",
      "Prefix": "Mr.",
      "LastName": "Woodall",
      "FirstName": "Charles",
      "MiddleName": "William",
      "PreferredName": "Chuck"
    },
    "Demographics": {
      "Gender": {
        "value": "M"
      }
    },
    "Title": "Principal",
    "AddressList": {
      "Address": [
        {
          "Type": "0123",
          "Street": {
            "Line1": "6799 33rd Ave.",
            "StreetNumber": "6799",
            "StreetName": "33rd",
            "StreetType": "Ave."
          },
          "City": "Chicago",
          "StateProvince": {
            "value": "IL"
          },
          "Country": {
            "value": "US"
          },
          "PostalCode": "60660"
        }
      ]
    },
    "PhoneNumberList": {
      "PhoneNumber": [
        {
          "Type": "0096",
          "Number": "(312) 555-1234"
        }
      ]
    },
    "EmailList": {
      "Email": [
        {
          "Type": "Primary",
          "value": "chuckw@imginc.com"
        }
      ]
    },
    "EmployeePersonalRefId": "1652D3E34F419D75101A8C3D00AA001A"
  }
}
```


XML


```
<StaffPersonal RefId="D3E34F419D75101A8C3D00AA001A1652">
  <LocalId>946379881</LocalId>
  <StateProvinceId>C2345681</StateProvinceId>
  <ElectronicIdList>
    <ElectronicId Type="Barcode">206655</ElectronicId>
  </ElectronicIdList>
  <OtherIdList>
    <OtherId Type="0004">333333333</OtherId>
  </OtherIdList>
  <Name Type="04">
    <Prefix>Mr.</Prefix>
    <LastName>Woodall</LastName>
    <FirstName>Charles</FirstName>
    <MiddleName>William</MiddleName>
    <PreferredName>Chuck</PreferredName>
  </Name>
  <Demographics>
    <Gender>M</Gender>
  </Demographics>
  <Title>Principal</Title>
  <AddressList>
    <Address Type="0123">
      <Street>
        <Line1>6799 33rd Ave.</Line1>
        <StreetNumber>6799</StreetNumber>
        <StreetName>33rd</StreetName>
        <StreetType>Ave.</StreetType>
      </Street>
      <City>Chicago</City>
      <StateProvince>IL</StateProvince>
      <Country>US</Country>
      <PostalCode>60660</PostalCode>
    </Address>
  </AddressList>
  <PhoneNumberList>
    <PhoneNumber Type="0096">
      <Number>(312) 555-1234</Number>
    </PhoneNumber>
  </PhoneNumberList>
  <EmailList>
    <Email Type="Primary">chuckw@imginc.com</Email>
  </EmailList>
  <EmployeePersonalRefId>1652D3E34F419D75101A8C3D00AA001A</EmployeePersonalRefId>
</StaffPersonal>
```

Example 3.16.20-1: StaffPersonal

3.16.21 StaffSectionAssignment

This object contains information about a teacher's assignment in a section.

SIF_Events are reported for this object.

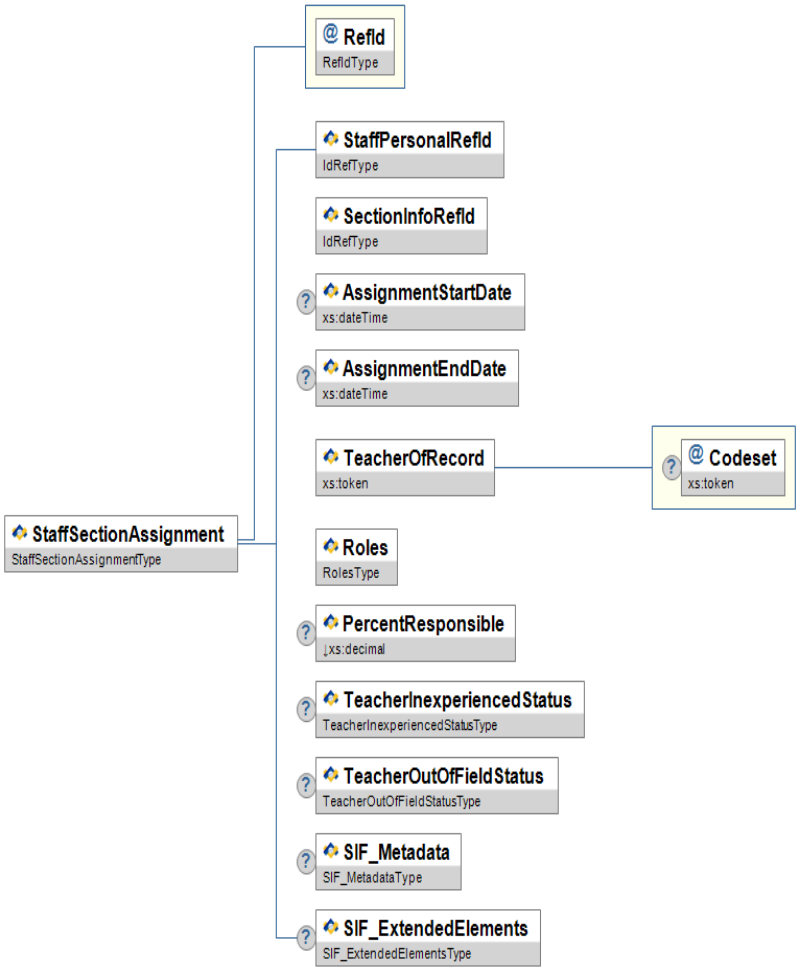


Figure 3.16.21-1: StaffSectionAssignment

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StaffSectionAssignment			This object contains information about a teacher's assignment in a section.	
@	RefId	M		The Id (GUID) that uniquely identifies this StaffSectionAssignment entity.	RefIdType
	StaffPersonalRefId	M		The Id (GUID) of the teacher or educational staff to whom the assignment information applies.	IdRefType
	SectionInfoRefId	M		The Id (GUID) of the section in which this staff (teacher) is assigned.	IdRefType
	AssignmentStartDate	O		Date from when this section assignment is effective and should be inclusive of the start and end date of the section coming from TermInfo.	xs:dateTime

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssignmentEndDate	O		Date when this section assignment comes to an end and should be inclusive of the start and end date of the section coming from TermInfo.	xs:dateTime
	TeacherOfRecord	M		Indicates if the staff is the Teacher of Record during this assignment.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Roles	M		List of one or more Roles.	RolesType
	PercentResponsible	O		Percentage of Responsibility of the Teacher of Record.	xs:decimal xs:minInclusive: 0 xs:maxInclusive: 100 xs:fractionDigits: 2
	TeacherInexperiencedStatus	O	001961 https://ceds.ed.gov/element/001961		TeacherInexperiencedStatusType
	TeacherOutOfFieldStatus	O	001962 https://ceds.ed.gov/element/001962		TeacherOutOfFieldStatusType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.21-1: StaffSectionAssignment

JSON

```
{
  "StaffSectionAssignment": {
    "RefId": "E3D34B359D75101A8C3D00AA001A1652",
    "StaffPersonalRefId": "D3E34B359D75101A8C3D0004561A1652",
    "SectionInfoRefId": "B359D3E34D75101A8C3D00AA001A1652",
    "AssignmentStartDate": "2011-09-14T20:30:00-07:00",
    "AssignmentEndDate": "2012-06-30T02:30:10-07:00",
    "TeacherOfRecord": {
      "value": "Yes"
    },
    "Roles": {
      "Role": [
        "LeadTeacher"
      ]
    },
    "PercentResponsible": 80
  }
}
```

XML

```
<StaffSectionAssignment RefId="E3D34B359D75101A8C3D00AA001A1652">
  <StaffPersonalRefId>D3E34B359D75101A8C3D0004561A1652</StaffPersonalRefId>
  <SectionInfoRefId>B359D3E34D75101A8C3D00AA001A1652</SectionInfoRefId>
  <AssignmentStartDate>2011-09-15T09:30:00+06:00</AssignmentStartDate>
  <AssignmentEndDate>2012-06-30T15:30:10+06:00</AssignmentEndDate>
  <TeacherOfRecord>Yes</TeacherOfRecord>
  <Roles>
    <Role>LeadTeacher</Role>
  </Roles>
  <PercentResponsible>80</PercentResponsible>
</StaffSectionAssignment>
```

Example 3.16.21-1: StaffSectionAssignment

3.16.22 StudentActivityInfo

This object provides information on co-curricular or extra-curricular activities (e.g., student organizations, intramural and interscholastic athletes, publications, band, orchestra, and service activities) in which students may participate.

SIF_Events are reported for this object.

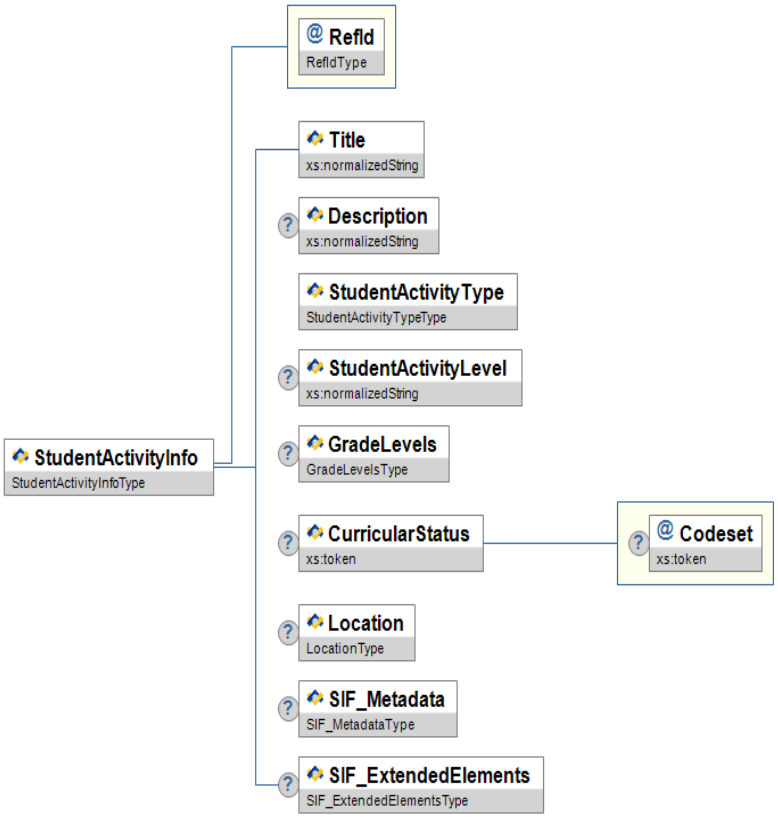


Figure 3.16.22-1: StudentActivityInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentActivityInfo			Co-curricular or extra-curricular activities (e.g., student organizations, intramural and interscholastic athletes, publications, band, orchestra, and service activities) in which students may participate.	
@ 🔑	RefId	M		The Id (GUID) that uniquely identifies the instance of the object.	RefIdType
	Title	M	000009 https://ceds.ed.gov/element/000009	Name of the co-curricular or extra-curricular activity.	xs:normalizedString
	Description	O		The description of the co-curricular or extra-curricular activity.	xs:normalizedString
	StudentActivityType	M		Information regarding the co-curricular or extra-curricular activity.	StudentActivityTypeType
	StudentActivityLevel	O		A description of the separation of level in the activity (e.g., `Varsity`, `Junior Varsity`, `Honors`).	xs:normalizedString
	GradeLevels	O		Collection of grade levels applicable to this co-curricular or extra-curricular activity.	GradeLevelsType
	CurricularStatus	O		An indication of the degree to which an activity is related to a student's curriculum.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Location	O		Location where the activity takes place.	LocationType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.22-1: StudentActivityInfo

JSON

```
{
  "StudentActivityInfo": {
    "RefId": "6472B2610947583A463DBB345291B001",
    "Title": "Junior Chess Club",
    "Description": "Competitive team of middle school chess players",
    "StudentActivityType": {
      "Code": {
        "value": "0722"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "Local",
            "value": "JCHC"
          }
        ]
      }
    },
    "StudentActivityLevel": "Middle School",
    "GradeLevels": {
      "GradeLevel": [
        {
          "Code": {
            "value": "05"
          }
        },
        {
          "Code": {
            "value": "06"
          }
        },
        {
          "Code": {
            "value": "07"
          }
        },
        {
          "Code": {
            "value": "08"
          }
        }
      ]
    },
    "CurricularStatus": {
      "value": "0751"
    },
    "Location": {
      "Type": "NonInstructionalSpace",
      "LocationName": "Washington Middle School Cafeteria",
      "LocationRefId": {
        "SIF_RefObject": "SchoolInfo",
        "value": "947582610947583ACEB2BB345291BAAA"
      }
    }
  }
}
```


XML


```
<StudentActivityInfo RefId="6472B2610947583A463DBB345291B001">
  <Title>Junior Chess Club</Title>
  <Description>Competitive team of middle school chess players</Description>
  <StudentActivityType>
    <Code>0722</Code>
    <OtherCodeList>
      <OtherCode Codeset="Local">JCHC</OtherCode>
    </OtherCodeList>
  </StudentActivityType>
  <StudentActivityLevel>Middle School</StudentActivityLevel>
  <GradeLevels>
    <GradeLevel>
      <Code>05</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>06</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>07</Code>
    </GradeLevel>
    <GradeLevel>
      <Code>08</Code>
    </GradeLevel>
  </GradeLevels>
  <CurricularStatus>0751</CurricularStatus>
  <Location Type="NonInstructionalSpace">
    <LocationName>Washington Middle School Cafeteria</LocationName>
    <LocationRefId SIF_RefObject="SchoolInfo">947582610947583ACEB2BB345291BAAA</LocationRefId>
  </Location>
</StudentActivityInfo>
```


Example 3.16.22-1: StudentActivityInfo..

3.16.23 StudentActivityParticipation

This object provides information on a co-curricular or extra-curricular activity in which a student participates during a given school year.

SIF_Events are reported for this object.

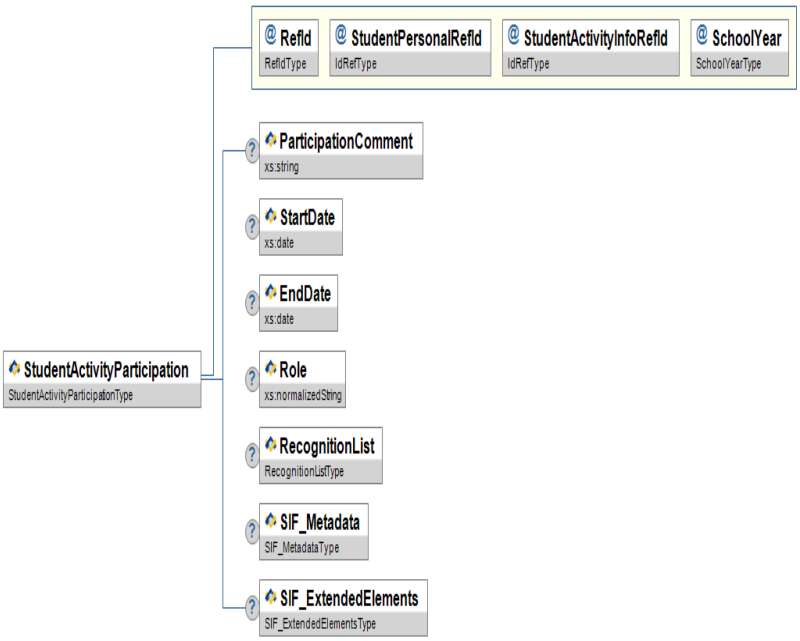


Figure 3.16.23-1: StudentActivityParticipation

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentActivityParticipation			The co-curricular or extra-curricular activity in which the student participates.	
@ 🔑	RefId	M		GUID that uniquely identifies this instance of the object.	RefIdType
@	StudentPersonalRefId	M		GUID that identifies the student participating in the activity.	IdRefType
@	StudentActivityInfoRefId	M		GUID that identifies the activity in which the student participates.	IdRefType
@	SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. `2009` for the 2008-09 school year).	SchoolYearType
	ParticipationComment	O		Comment related to the student's participation in the activity.	xs:string
	StartDate	O	000007 https://ceds.ed.gov/element/000007	This is the date which the activity participation is valid (inclusive).	xs:date
	EndDate	O	000008 https://ceds.ed.gov/element/000008	This is the date through which the activity participation is valid (inclusive). If element is supported by the publisher/responder, should contain a date if the student withdraws from the activity before the end of the school year.	xs:date
	Role	O		Specific role the student plays in the activity (e.g., band leader, student body president).	xs:normalizedString
	RecognitionList	O		List of awards and other types of recognition given to the student for this activity.	RecognitionListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.23-1: StudentActivityParticipation

JSON


```
{
  "StudentActivityParticipation": {
    "RefId": "9ECC96830E02406F926C1C4D3542D122",
    "StudentPersonalRefId": "646C5D4AC8294886A02B971695C7BC06",
    "StudentActivityInfoRefId": "6472B2610947583A463DBB345291B001",
    "SchoolYear": "2009",
    "ParticipationComment": "First year of participation",
    "StartDate": "2008-09-01",
    "Role": "Team co-captain",
    "RecognitionList": {
      "Recognition": [
        {
          "Code": "0745",
          "value": ""
        }
      ]
    }
  }
}
```


XML

```
<StudentActivityParticipation RefId="9ECC96830E02406F926C1C4D3542D122" StudentPersonalRefId="646C5D4AC8294886A02B971695C7BC06" StudentActivityInfoRefId=
  <ParticipationComment>First year of participation</ParticipationComment>
  <StartDate>2008-09-01</StartDate>
  <Role>Team co-captain</Role>
  <RecognitionList>
    <Recognition Code="0745" />
  </RecognitionList>
</StudentActivityParticipation>
```

Example 3.16.23-1: StudentActivityParticipation

3.16.24 StudentAttendanceSummary

This object provides a summary of a student's daily attendance and membership information for a given school during the time period between the StartDate and EndDate, inclusive. As such, there may be multiple instances of this object for a student in a school over the course of a school year or reporting period.

SIF_Events are not reported for this object.

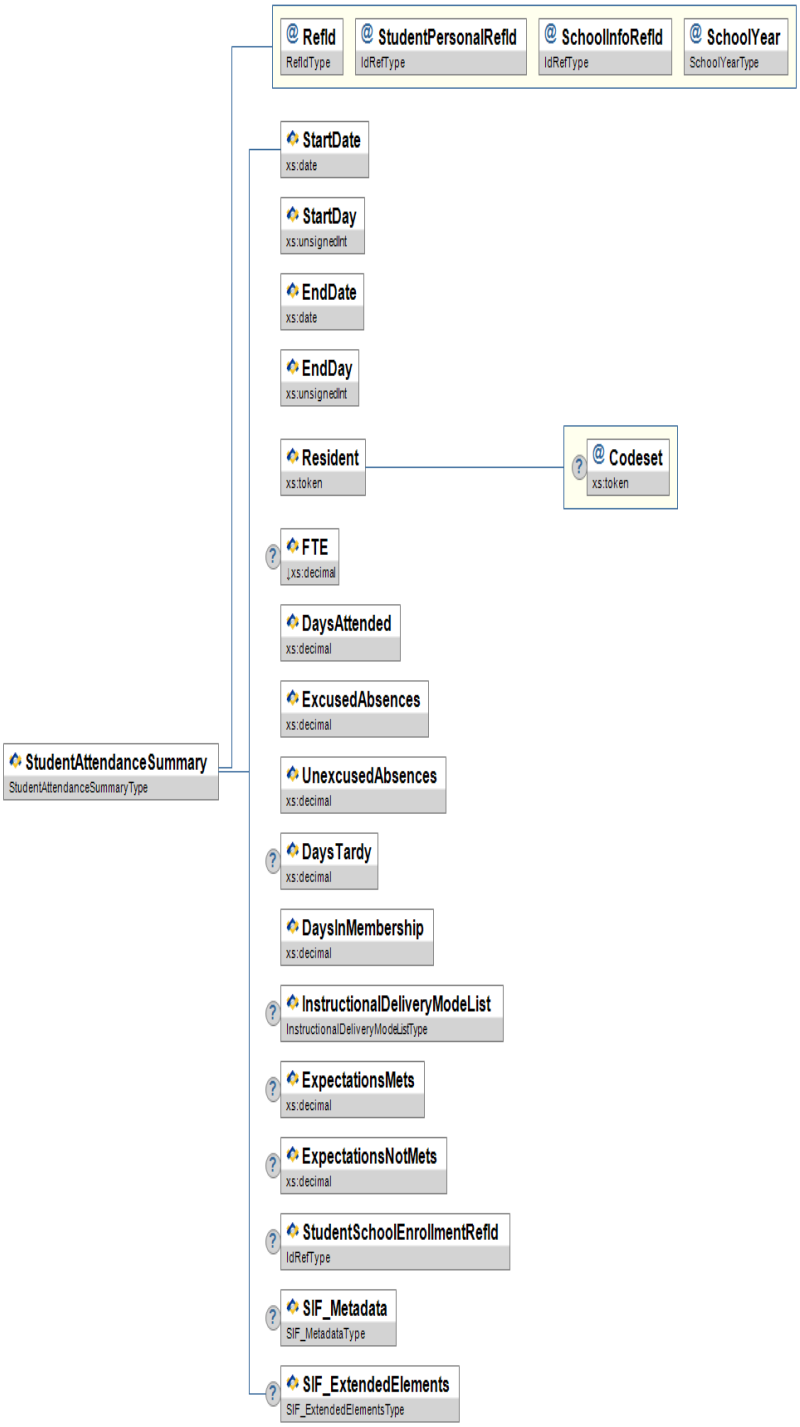


Figure 3.16.24-1: StudentAttendanceSummary

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentAttendanceSummary			This object provides a summary of a student's daily attendance and membership information for a given school during the time period between the StartDate and EndDate, inclusive. As such, there may be multiple instances of this object for a student in a school over the course of a school year or reporting period.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is a "transient" value; that is, it SHOULD be generated by the provider at the time the object is provided in a Response message. This value MUST NOT be used in a later Request for the object.	RefIdType
@	StudentPersonalRefId	M		The Id (GUID) of the student for whom this attendance information is being reported.	IdRefType
@	SchoolInfoRefId	M		The Id (GUID) of the school for which this attendance information is being reported.	IdRefType
@	SchoolYear	M		School year for which the information is applicable.	SchoolYearType
	StartDate	M		The starting date on which the information in this object instance is applicable.	xs:date
	StartDay	M		Number of the first school day to which this object instance applies.	xs:unsignedInt
	EndDate	M		The ending date on which the information in this object instance is applicable.	xs:date
	EndDay	M		Number of the last school day to which this object instance applies.	xs:unsignedInt
	Resident	M		An indication as to whether or not the student's legal residence was within the boundaries of the school during the time between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	FTE	O		Full time equivalent numeric value of the student's course load during the time between the StartDate and EndDate, inclusive. Expressed in decimal form, where 1.00 represents a full time enrollment. **Deprecated in favor of using the StudentSchoolEnrollmentRefId element below.**	xs:decimal xs:minInclusive 0 xs:maxInclusive 1 xs:fractionDigits 2

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DaysAttended	M	000202 https://ceds.ed.gov/element/000202	The number of days the student attended school when school was in session between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.	xs:decimal
	ExcusedAbsences	M		The number of days the student was absent from school with a valid excuse when school was in session between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.	xs:decimal
	UnexcusedAbsences	M	000569 https://ceds.ed.gov/element/000569	The number of days the student was absent from school without a valid excuse when school was in session between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.	xs:decimal
	DaysTardy	O		The number of days the student was tardy when school was in session between the StartDate and EndDate, inclusive.	xs:decimal
	DaysInMembership	M		The number of days the student was present plus the number of days the student was absent when school was in session during the period between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.	xs:decimal
	InstructionalDeliveryModeList	O		The various modalities of instruction employed, during the period being summarized.	InstructionalDeliveryModeListType
	ExpectationsMets	O		The number of days the student met expectations to be considered fully present.	xs:decimal
	ExpectationsNotMets	O		The number of days the student did not met expectations to be considered fully present.	xs:decimal
	StudentSchoolEnrollmentRefId	O		RefId (GUID) of the StudentSchoolEnrollment object instance that corresponds to this object instance.	IdRefType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.24-1: StudentAttendanceSummary

JSON

```
{
  "StudentAttendanceSummary": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "StudentPersonalRefId": "D3476FAE8647384BDA2431EDA3583211",
    "SchoolInfoRefId": "CA285746359D75101A8C36432A901A16",
    "SchoolYear": "2005",
    "StartDate": "2004-08-30",
    "StartDay": 1,
    "EndDate": "2005-06-10",
    "EndDay": 180,
    "Resident": {
      "value": "Yes"
    },
    "FTE": 1.0,
    "DaysAttended": 178,
    "ExcusedAbsences": 2,
    "UnexcusedAbsences": 0,
    "DaysTardy": 3,
    "DaysInMembership": 180
  }
}
```


XML


```
<StudentAttendanceSummary RefId="359D75101AD0A9D7A8C3DAD0A85103A2" StudentPersonalRefId="D3476FAE8647384BDA2431EDA3583211" SchoolInfoRefId="CA285746359D
  <StartDate>2004-08-30</StartDate>
  <StartDay>1</StartDay>
  <EndDate>2005-06-10</EndDate>
  <EndDay>180</EndDay>
  <Resident>Yes</Resident>
  <FTE>1.00</FTE>
  <DaysAttended>178</DaysAttended>
  <ExcusedAbsences>2</ExcusedAbsences>
  <UnexcusedAbsences>0</UnexcusedAbsences>
  <DaysTardy>3</DaysTardy>
  <DaysInMembership>180</DaysInMembership>
</StudentAttendanceSummary>
```


Example 3.16.24-1: StudentAttendanceSummary - Example 1

JSON


```
{
  "StudentAttendanceSummary": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "StudentPersonalRefId": "D3476FAE8647384BDA2431EDA3583211",
    "SchoolInfoRefId": "CA285746359D75101A8C36432A901A16",
    "SchoolYear": "2010",
    "StartDate": "2009-08-31",
    "StartDay": 1,
    "EndDate": "2010-06-10",
    "EndDay": 180,
    "Resident": {
      "value": "Yes"
    },
    "DaysAttended": 178,
    "ExcusedAbsences": 2,
    "UnexcusedAbsences": 0,
    "DaysTardy": 3,
    "DaysInMembership": 180,
    "StudentSchoolEnrollmentRefId": "84D568A39387BB69405038472411D449"
  }
}
```


XML


```
<StudentAttendanceSummary RefId="359D75101AD0A9D7A8C3DAD0A85103A2" StudentPersonalRefId="D3476FAE8647384BDA2431EDA3583211" SchoolInfoRefId="CA285746359D
  <StartDate>2009-08-31</StartDate>
  <StartDay>1</StartDay>
  <EndDate>2010-06-10</EndDate>
  <EndDay>180</EndDay>
  <Resident>Yes</Resident>
  <DaysAttended>178</DaysAttended>
  <ExcusedAbsences>2</ExcusedAbsences>
  <UnexcusedAbsences>0</UnexcusedAbsences>
  <DaysTardy>3</DaysTardy>
  <DaysInMembership>180</DaysInMembership>
  <StudentSchoolEnrollmentRefId>84D568A39387BB69405038472411D449</StudentSchoolEnrollmentRefId>
</StudentAttendanceSummary>
```


Example 3.16.24-2: StudentAttendanceSummary - Example 2

3.16.25 StudentContact

This object contains information regarding a contact person for a student.

Note: *As of version 2.5 this object is deprecated.* It will be removed from the Specification in the next major release. Use the StudentContactPersonal and StudentContactRelationship objects instead.

Note: At least one of the child elements of `ContactFlags` must have a `Yes` value. Do not publish the `StudentContact` instance if one of the child elements does not have a `Yes` value.

SIF_Events are reported for this object.

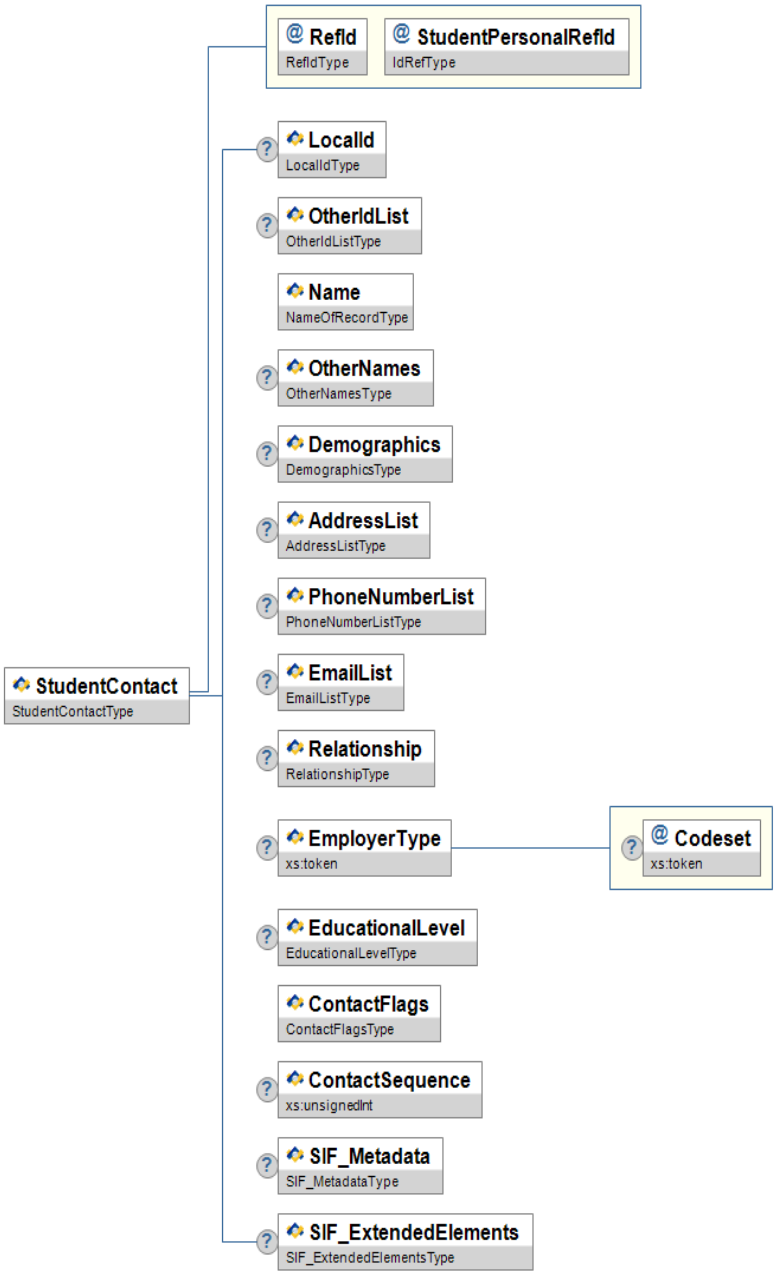


Figure 3.16.25-1: StudentContact

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentContact			This object contains information regarding a contact person for a student. Note: *As of version 2.5 this object is deprecated.* It will be removed from the Specification in the next major release. Use the StudentContactPersonal and StudentContactRelationship objects instead. Note: At least one of the child elements of `ContactFlags` must have a `Yes` value. Do not publish the `StudentContact` instance if one of the child elements does not have a `Yes` value.	
@	RefId	M		The GUID of this contact.	`RefIdType`
@	StudentPersonalRefId	M		The GUID of the student whose contact this is.	`IdRefType`
	LocalId	O		The locally-assigned identifier for this contact. Note: LocalId may be used as a unique person identifier rather than a unique contact identifier. In this case there may be more than one StudentContact instance with the same LocalId.	`LocalIdType`

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OtherIdList	O		Lists all "other" identifiers associated with the contact.	OtherIdListType
	Name	M		The name of the contact. Note: Type attribute value of `04` must be used here.	NameOfRecordType
	OtherNames	O		Previous, alternate or other names or aliases associated with the contact.	OtherNamesType
	Demographics	O		Demographic information about the contact.	DemographicsType
	AddressList	O		The contact's address(es).	AddressListType
	PhoneNumberList	O		The contact's phone number(s).	PhoneNumberListType
	EmailList	O		The contact's e-mail address(es).	EmailListType
	Relationship	O		Defines the relationship of the contact to the student.	RelationshipType
	EmployerType	O		Code that defines the employer type.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	EducationalLevel	O		The highest level of education completed by the contact person.	EducationalLevelType
	ContactFlags	M		Contains Yes/No characteristics of the contact person's role. Provide a `Yes` value for all that apply. At least one of the child elements of `ContactFlags` must have a `Yes` value. Do not publish the `StudentContact` instance if one of the child elements does not have a `Yes` value.	ContactFlagsType
	ContactSequence	O		Number indicating the order in which the person should be contacted.	xs:unsignedInt
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.25-1: StudentContact

JSON

```
{
  "StudentContact": {
    "RefId": "D3E34B379D75101A8C3D00AA001A1652",
    "StudentPersonalRefId": "DEE34B359D75101A8C3D00AA001A1652",
    "Name": {
      "Type": "04",
      "LastName": "Johnson",
      "FirstName": "Alicia"
    },
    "Demographics": {
      "Gender": {
        "value": "F"
      }
    },
    "AddressList": {
      "Address": [
        {
          "Type": "0123",
          "Street": {
            "Line1": "6799 33rd Ave.",
            "StreetNumber": "6799",
            "StreetName": "33rd",
            "StreetType": "Ave."
          },
          "City": "Chicago",
          "StateProvince": {
            "value": "IL"
          },
          "Country": {
            "value": "US"
          },
          "PostalCode": "60660"
        }
      ]
    },
    "PhoneNumberList": {
      "PhoneNumber": [
        {
          "Type": "0096",
          "Number": "(604) 555-1212"
        }
      ]
    },
    "EmailList": {
      "Email": [
        {
          "Type": "Primary",
          "value": "contact@sifinfo.org"
        }
      ]
    },
    "Relationship": {
      "Code": {
        "value": "1735"
      }
    },
    "EmployerType": {
      "value": "1805"
    },
    "EducationalLevel": {
      "value": "1051"
    },
    "ContactFlags": {
      "PickupRights": {
        "value": "Yes"
      }
    }
  }
}
```


XML


```
<StudentContact RefId="D3E34B379D75101A8C3D00AA001A1652" StudentPersonalRefId="DEE34B359D75101A8C3D00AA001A1652">
  <Name Type="04">
    <LastName>Johnson</LastName>
    <FirstName>Alicia</FirstName>
  </Name>
  <Demographics>
    <Gender>F</Gender>
  </Demographics>
  <AddressList>
    <Address Type="0123">
      <Street>
        <Line1>6799 33rd Ave.</Line1>
        <StreetNumber>6799</StreetNumber>
        <StreetName>33rd</StreetName>
        <StreetType>Ave.</StreetType>
      </Street>
      <City>Chicago</City>
      <StateProvince>IL</StateProvince>
      <Country>US</Country>
      <PostalCode>60660</PostalCode>
    </Address>
  </AddressList>
  <PhoneNumberList>
    <PhoneNumber Type="0096">
      <Number>(604) 555-1212</Number>
    </PhoneNumber>
  </PhoneNumberList>
  <EmailList>
    <Email Type="Primary">contact@sifinfo.org</Email>
  </EmailList>
  <Relationship>
    <Code>1735</Code>
  </Relationship>
  <EmployerType>1805</EmployerType>
  <EducationalLevel>1051</EducationalLevel>
  <ContactFlags>
    <PickupRights>Yes</PickupRights>
  </ContactFlags>
</StudentContact>
```


Example 3.16.25-1: StudentContact

3.16.26 StudentContactPersonal

This object contains information about the people who are referenced as student contacts.

SIF_Events are reported for this object.

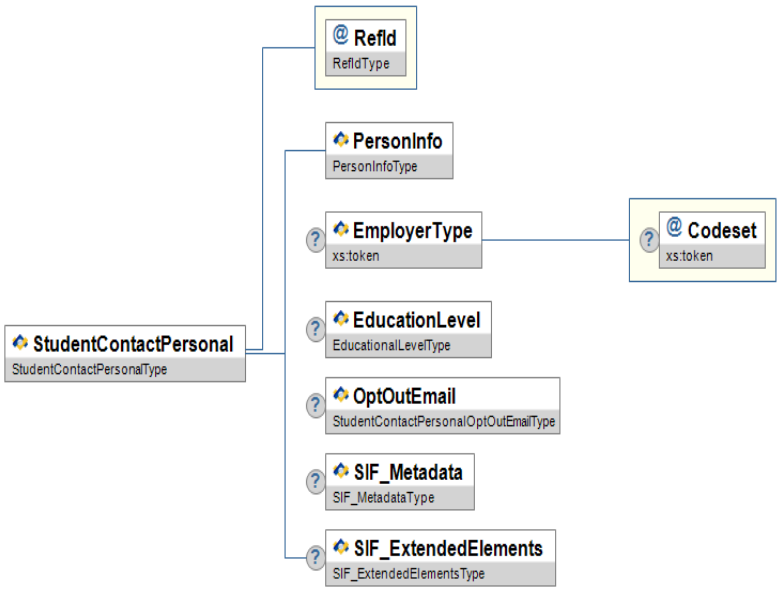


Figure 3.16.26-1: StudentContactPersonal

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentContactPersonal			Demographic and other information for each person who might be referenced as a student contact.	
@	RefId	M		The Id (GUID) that uniquely identifies the instance of the object.	RefIdType
	PersonInfo	M		Common element containing person demographic information.	PersonInfoType
	EmployerType	O		Code that defines the employer type.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	EducationLevel	O		The highest level of education completed by the contact person.	EducationalLevelType
	OptOutEmail	O			StudentContactPersonalOptOutEmailType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.26-1: StudentContactPersonal

JSON

```
{
  "StudentContactPersonal": {
    "RefId": "6472B2610947583A463DBB345291B001",
    "PersonInfo": {
      "Name": {
        "Type": "04",
        "LastName": "Johnson",
        "FirstName": "Alicia"
      },
      "Demographics": {
        "Gender": {
          "value": "F"
        }
      },
      "AddressList": {
        "Address": [
          {
            "Type": "0123",
            "Street": {
              "Line1": "6799 33rd Ave.",
              "StreetNumber": "6799",
              "StreetName": "33rd",
              "StreetType": "Ave."
            },
            "City": "Chicago",
            "StateProvince": {
              "value": "IL"
            },
            "Country": {
              "value": "US"
            },
            "PostalCode": "60660"
          }
        ]
      },
      "PhoneNumberList": {
        "PhoneNumber": [
          {
            "Type": "0096",
            "Number": "(604) 555-1212"
          }
        ]
      },
      "EmailList": {
        "Email": [
          {
            "Type": "Primary",
            "value": "contact@sifinfo.org"
          }
        ]
      }
    },
    "EmployerType": {
      "value": "1805"
    },
    "EducationLevel": {
      "value": "1051"
    }
  }
}
```


XML


```
<StudentContactPersonal RefId="6472B2610947583A463DBB345291B001">
  <PersonInfo>
    <Name Type="04">
      <LastName>Johnson</LastName>
      <FirstName>Alicia</FirstName>
    </Name>
    <Demographics>
      <Gender>F</Gender>
    </Demographics>
    <AddressList>
      <Address Type="0123">
        <Street>
          <Line1>6799 33rd Ave.</Line1>
          <StreetNumber>6799</StreetNumber>
          <StreetName>33rd</StreetName>
          <StreetType>Ave.</StreetType>
        </Street>
        <City>Chicago</City>
        <StateProvince>IL</StateProvince>
        <Country>US</Country>
        <PostalCode>60660</PostalCode>
      </Address>
    </AddressList>
    <PhoneNumberList>
      <PhoneNumber Type="0096">
        <Number>(604) 555-1212</Number>
      </PhoneNumber>
    </PhoneNumberList>
    <EmailList>
      <Email Type="Primary">contact@sifinfo.org</Email>
    </EmailList>
  </PersonInfo>
  <EmployerType>1805</EmployerType>
  <EducationLevel>1051</EducationLevel>
</StudentContactPersonal>
```


Example 3.16.26-1: StudentContactPersonal - Example 1

3.16.27 StudentContactRelationship

This object defines a relationship between a contact person and a student.

SIF_Events are reported for this object.

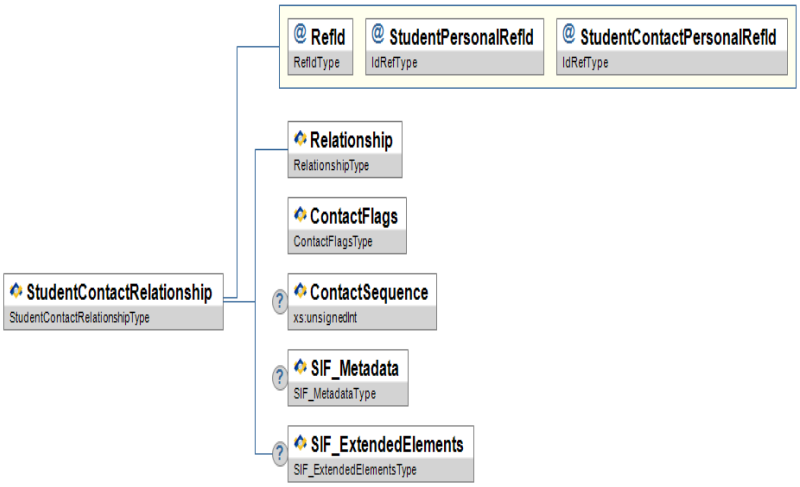


Figure 3.16.27-1: StudentContactRelationship

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentContactRelationship			The relationship between a student and a contact person.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.	RefIdType
@	StudentPersonalRefId	M		GUID that identifies the student for the relationship.	IdRefType
@	StudentContactPersonalRefId	M		GUID that identifies the contact person for the relationship.	IdRefType
	Relationship	M		The relationship of the contact person to the student	RelationshipType
	ContactFlags	M		Contains Yes/No characteristics of the contact person's role. Provide a Yes value for all that apply. At least one of the child elements of ContactFlags must have a Yes value.	ContactFlagsType
	ContactSequence	O		Number indicating the order in which the person should be contacted.	xs:unsignedInt
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.27-1: StudentContactRelationship

JSON

```
{
  "StudentContactRelationship": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "StudentPersonalRefId": "DEE34B359D75101A8C3D00AA001A1652",
    "StudentContactPersonalRefId": "6472B2610947583A463DBB345291B001",
    "Relationship": {
      "Code": {
        "value": "1735"
      }
    },
    "ContactFlags": {
      "PickupRights": {
        "value": "Yes"
      }
    }
  }
}
```

XML

```
<StudentContactRelationship RefId="359D75101AD0A9D7A8C3DAD0A85103A2" StudentPersonalRefId="DEE34B359D75101A8C3D00AA001A1652" StudentContactPersonalRefId=
  <Relationship>
    <Code>1735</Code>
  </Relationship>
  <ContactFlags>
    <PickupRights>Yes</PickupRights>
  </ContactFlags>
</StudentContactRelationship>
```

Example 3.16.27-1: StudentContactRelationship - Example 1

3.16.28 StudentDailyAttendance

This object provides daily attendance information for a particular student in a particular school on a particular date.

SIF_Events are reported for this object.

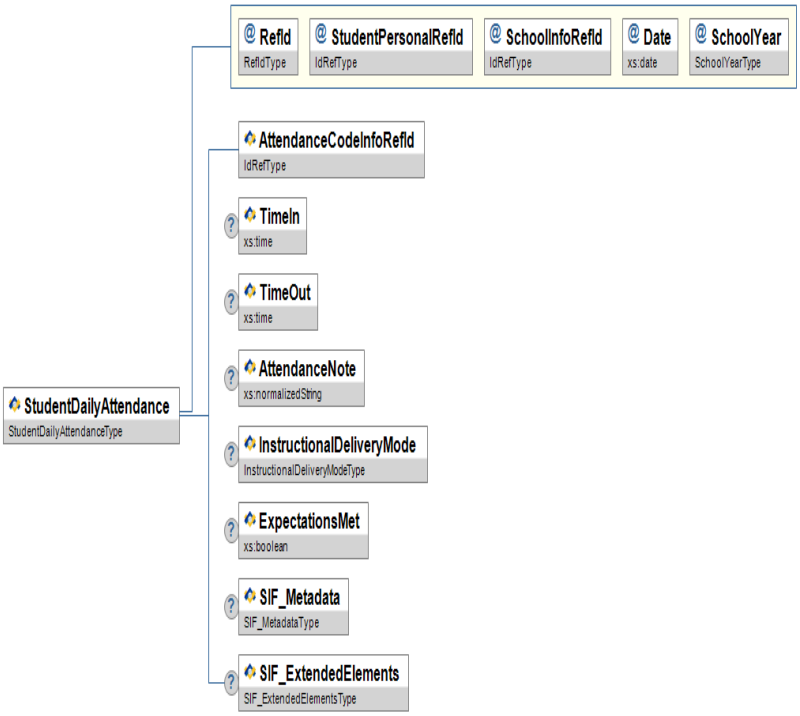


Figure 3.16.28-1: StudentDailyAttendance

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentDailyAttendance			This object provides daily attendance information for a particular student in a particular school on a particular date.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.	RefIdType
@	StudentPersonalRefId	M		The Id (GUID) of the student for whom this attendance information is being reported.	IdRefType
@	SchoolInfoRefId	M		The Id (GUID) of the school for which this attendance information is being reported.	IdRefType
@	Date	M		The calendar date to which this attendance information relates.	xs:date
@	SchoolYear	M		School year for which this enrollment is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006-07 school year).	SchoolYearType
	AttendanceCodeInfoRefId	M		The Id (GUID) of the locally-defined daily attendance code information.	IdRefType
	TimeIn	O		The time the student entered or returned to school.	xs:time

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TimeOut	O		The time the student left school.	xs:time
	AttendanceNote	O		Note related to this particular attendance.	xs:normalizedString
	InstructionalDeliveryMode	O		How instruction was delivered.	InstructionalDeliveryModeType
	ExpectationsMet	O		If true, he student met the expectations required by the organization marking attendance to be considered fully present.	xs:boolean
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.28-1: StudentDailyAttendance

JSON

```
{
  "StudentDailyAttendance": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "StudentPersonalRefId": "D3E34B359D75101A8C3D00AA001A1652",
    "SchoolInfoRefId": "CA285746359D75101A8C36432A901A16",
    "Date": "2002-11-01",
    "SchoolYear": "2003",
    "AttendanceCodeInfoRefId": "84726485960937465A53B2781BB260AA",
    "TimeIn": "13:30:00",
    "TimeOut": "12:05:00",
    "AttendanceNote": "Left for Orthodontist appt. and returned to school afterward."
  }
}
```

XML

```
<StudentDailyAttendance RefId="359D75101AD0A9D7A8C3DAD0A85103A2" StudentPersonalRefId="D3E34B359D75101A8C3D00AA001A1652" SchoolInfoRefId="CA285746359D75
  <AttendanceCodeInfoRefId>84726485960937465A53B2781BB260AA</AttendanceCodeInfoRefId>
  <TimeIn>13:30:00</TimeIn>
  <TimeOut>12:05:00</TimeOut>
  <AttendanceNote>Left for Orthodontist appt. and returned to school afterward.</AttendanceNote>
</StudentDailyAttendance>
```

Example 3.16.28-1: StudentDailyAttendance

3.16.29 StudentMigrant

Detailed migrant information for a student.

SIF_Events are reported for this object.

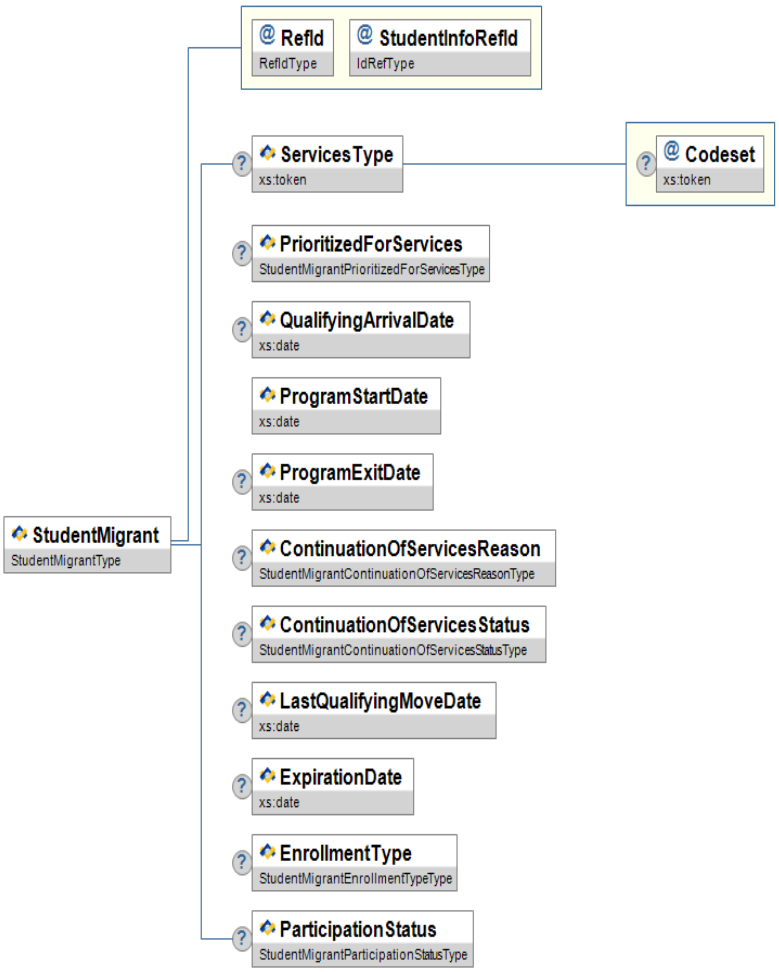


Figure 3.16.29-1: StudentMigrant

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentMigrant			Detailed migrant information for a student.	
@	RefId	M		The Id (GUID) that uniquely identifies the SEA.	RefIdType
@	StudentInfoRefId	M		The Id (GUID) that identifies the student the migrant information is for.	IdRefType
	ServicesType	O	000186 https://ceds.ed.gov/element/000186	The type of services received by participating migrant students in the migrant education program (MEP).	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	PrioritizedForServices	O			StudentMigrantPrioritizedForServicesType
	QualifyingArrivalDate	O	000432 https://ceds.ed.gov/element/000432	The qualifying arrival date (QAD) is the month, date, and year that the child completed a move with his or her parent to enable the parent to find qualifying employment. the child's eligibility for the Migrant Education Program begins.	xs:date
	ProgramStartDate	M	000590 https://ceds.ed.gov/element/000590	The year, month and day on which the person began to participate in a program.	xs:date

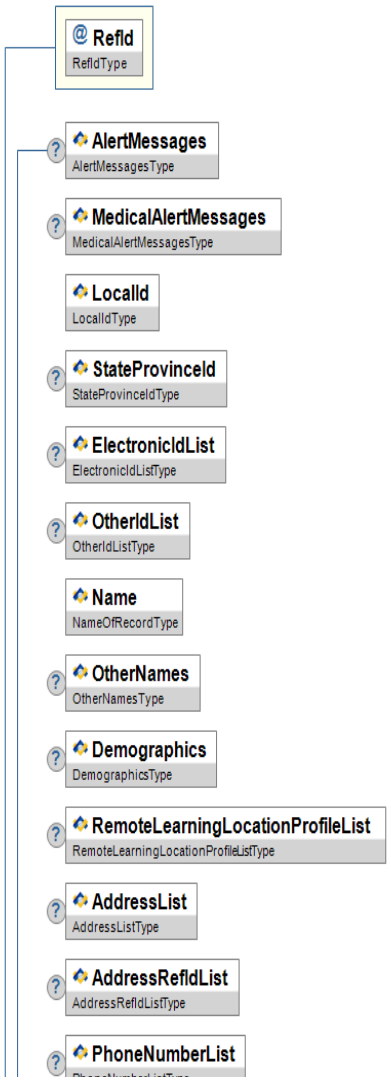
	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ProgramExitDate	O	000263 https://ceds.ed.gov/element/000263	Date student exited support program(s).	xs:date
	ContinuationOfServicesReason	O			StudentMigrantContinuationOfServicesReasonType
	ContinuationOfServicesStatus	O			StudentMigrantContinuationOfServicesStatusType
	LastQualifyingMoveDate	O	000171 https://ceds.ed.gov/element/000171	The year, month and day of the last qualifying move of a migrant student.	xs:date
	ExpirationDate	O	000430 https://ceds.ed.gov/element/000430	The year, month, and day on which the child is no longer eligible for the Migrant Education Program. This date should initially be a date equal to 36 months from the Qualifying Arrival Date to indicate the end of MEP eligibility or the student reaches 22 years of age, whichever comes first.	xs:date
	EnrollmentType	O			StudentMigrantEnrollmentTypeType
	ParticipationStatus	O			StudentMigrantParticipationStatusType

Table 3.16.29-1: StudentMigrant

3.16.30 StudentPersonal

This object contains all the personal information related to the student.

SIF_Events are reported for this object.



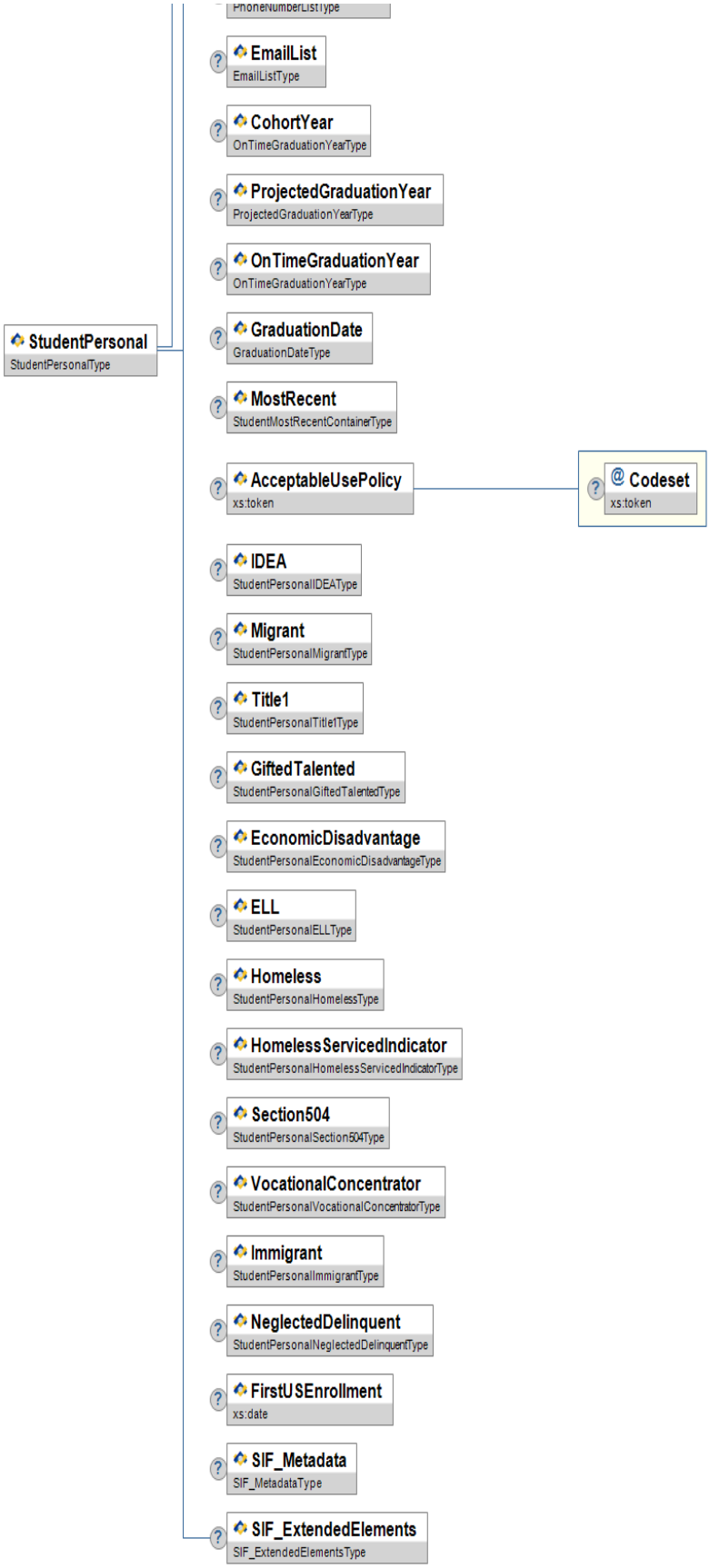


Figure 3.16.30-1: StudentPersonal

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonal			This object contains all the personal information related to the student.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	RefId	M		The GUID of the student.	RefIdType
	AlertMessages	O			AlertMessagesType
	MedicalAlertMessages	O			MedicalAlertMessagesType
	LocalId	M		The locally-assigned identifier for this student.	LocalIdType
	StateProvinceId	O		The state-assigned identifier for this student.	StateProvinceIdType
	ElectronicIdList	O		Electronic identifier(s) associated with this entity.	ElectronicIdListType
	OtherIdList	O		Lists all "other" identifiers associated with the student.	OtherIdListType
	Name	M		Name of the student. Note: Type value of 04 must be used here.	NameOfRecordType
	OtherNames	O		Previous, alternate or other names or aliases associated with the student.	OtherNamesType
	Demographics	O		This element contains information related to student demographics.	DemographicsType
	RemoteLearningLocationProfileList	O		For conveying Remote Learning capabilities.ß	RemoteLearningLocationProfileListType
	AddressList	O		The student's address(es)	AddressListType
	AddressRefIdList	O		References to separate potentially reusable, shared, or pre-verified addresses.	AddressRefIdListType
	PhoneNumberList	O		The student's phone number(s).	PhoneNumberListType
	EmailList	O		The student's e-mail address(es).	EmailListType
	CohortYear	O	000046 https://ceds.ed.gov/element/000046	The school year in which the student entered the baseline group used for computing completion rates (e.g., high school, program).	OnTimeGraduationYearType
	ProjectedGraduationYear	O		Currently projected graduation year.	ProjectedGraduationYearType
	OnTimeGraduationYear	O	000584 https://ceds.ed.gov/element/000584	First projected graduation year, usually determined when student is accepted into 9th grade.	OnTimeGraduationYearType
	GraduationDate	O		Date student officially graduated from secondary education.	GraduationDateType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MostRecent	O		Container for elements reflecting the most recent enrollment of a student. If the student is currently enrolled in the district, the elements contain current information.	StudentMostRecentContainerType
	AcceptableUsePolicy	O		Does the student have a current signed Acceptable Use Policy document for system access?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	IDEA	O			StudentPersonalIDEAType
	Migrant	O			StudentPersonalMigrantType
	Title1	O			StudentPersonalTitle1Type
	GiftedTalented	O			StudentPersonalGiftedTalentedType
	EconomicDisadvantage	O			StudentPersonalEconomicDisadvantageType
	ELL	O			StudentPersonalELLType
	Homeless	O			StudentPersonalHomelessType
	HomelessServicedIndicator	O			StudentPersonalHomelessServicedIndicatorType
	Section504	O			StudentPersonalSection504Type
	VocationalConcentrator	O			StudentPersonalVocationalConcentratorType
	Immigrant	O			StudentPersonalImmigrantType
	NeglectedDelinquent	O			StudentPersonalNeglectedDelinquentType
	FirstUSEnrollment	O		The date on which the student was first enrolled in the US school system.	xs:date
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.30-1: StudentPersonal

JSON

```
{
  "StudentPersonal": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "AlertMessages": {
      "AlertMessage": [
        {
          "Type": "Legal",
          "value": "This is the Legal Alert for Joe Student"
        }
      ]
    },
    "LocalId": "P00001",
    "StateProvinceId": "WB0025",
    "ElectronicIdList": {
      "ElectronicId": [
        {
          "Type": "Barcode",
          "value": "206654"
        }
      ]
    },
    "Name": {
      "Type": "04",
      "LastName": "Student",
      "FirstName": "Joe",
      "MiddleName": "",
      "PreferredName": "Joe"
    },
    "Demographics": {
      "Gender": {
        "value": "M"
      }
    },
    "AddressList": {
      "Address": [
        {
          "Type": "0123",
          "Street": {
            "Line1": "6799 33rd Ave.",
            "StreetNumber": "6799",
            "StreetName": "33rd",
            "StreetType": "Ave."
          },
          "City": "Chicago",
          "StateProvince": {
            "value": "IL"
          },
          "Country": {
            "value": "US"
          },
          "PostalCode": "60660"
        }
      ]
    },
    "PhoneNumberList": {
      "PhoneNumber": [
        {
          "Type": "0096",
          "Number": "(312) 555-1234"
        }
      ]
    },
    "EmailList": {
      "Email": [
        {
          "Type": "Primary",
          "value": "Joe.Student@anyschool.com"
        }
      ]
    },
    "OnTimeGraduationYear": "2007",
    "FirstUSEnrollment": "1996-08-25"
  }
}
```


XML


```
<StudentPersonal RefId="D3E34B359D75101A8C3D00AA001A1652">
  <AlertMessages>
    <AlertMessage Type="Legal">This is the Legal Alert for Joe Student</AlertMessage>
  </AlertMessages>
  <LocalId>P00001</LocalId>
  <StateProvinceId>WB0025</StateProvinceId>
  <ElectronicIdList>
    <ElectronicId Type="Barcode">206654</ElectronicId>
  </ElectronicIdList>
  <Name Type="04">
    <LastName>Student</LastName>
    <FirstName>Joe</FirstName>
    <MiddleName />
    <PreferredName>Joe</PreferredName>
  </Name>
  <Demographics>
    <Gender>M</Gender>
  </Demographics>
  <AddressList>
    <Address Type="0123">
      <Street>
        <Line1>6799 33rd Ave.</Line1>
        <StreetNumber>6799</StreetNumber>
        <StreetName>33rd</StreetName>
        <StreetType>Ave.</StreetType>
      </Street>
      <City>Chicago</City>
      <StateProvince>IL</StateProvince>
      <Country>US</Country>
      <PostalCode>60660</PostalCode>
    </Address>
  </AddressList>
  <PhoneNumberList>
    <PhoneNumber Type="0096">
      <Number>(312) 555-1234</Number>
    </PhoneNumber>
  </PhoneNumberList>
  <EmailList>
    <Email Type="Primary">Joe.Student@anyschool.com</Email>
  </EmailList>
  <OnTimeGraduationYear>2007</OnTimeGraduationYear>
  <FirstUSEnrollment>1996-08-25</FirstUSEnrollment>
</StudentPersonal>
```

Example 3.16.30-1: StudentPersonal

3.16.31 StudentPicture

This object contains information about the student's picture.

SIF_Events are reported for this object.

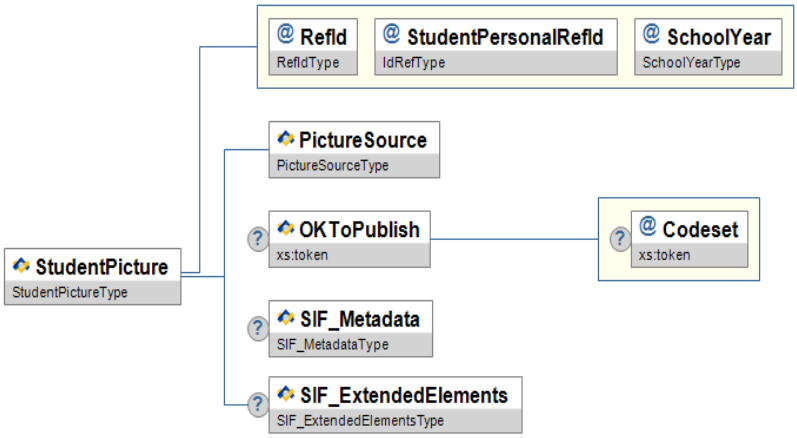


Figure 3.16.31-1: StudentPicture

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPicture			This object contains information about the student's picture.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.	RefIdType
@	StudentPersonalRefId	M		This is the GUID of the student whose picture this is.	IdRefType
@	SchoolYear	M		School year for which this enrollment is applicable, expressed as the four-digit year in which the school year ends (e.g. `2007` for the 2006-07 school year).	SchoolYearType
	PictureSource	M		This element defines the picture. If the Type attribute is URL, this is the location of the picture in [JPEG] format; if Type is JPEG, this is the [JPEG] image data encoded using the Base64 Content-Transfer-Encoding defined in Section 6.8 of [RFC 2045].	PictureSourceType
	OKToPublish	O		Can the picture be published?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.31-1: StudentPicture

JSON

```
{
  "StudentPicture": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "StudentPersonalRefId": "D3E34B359D75101A8C3D00AA001A1652",
    "SchoolYear": "1999",
    "PictureSource": {
      "Type": "URL",
      "value": "http://www.schoolsite.com/pictures/1999/1234.jpg"
    }
  }
}
```

XML

```
<StudentPicture RefId="359D75101AD0A9D7A8C3DAD0A85103A2" StudentPersonalRefId="D3E34B359D75101A8C3D00AA001A1652" SchoolYear="1999">
  <PictureSource Type="URL">http://www.schoolsite.com/pictures/1999/1234.jpg</PictureSource>
</StudentPicture>
```

Example 3.16.31-1: StudentPicture

3.16.32 StudentProgramAssociation

Links a student to participation in a program.

SIF_Events are reported for this object.

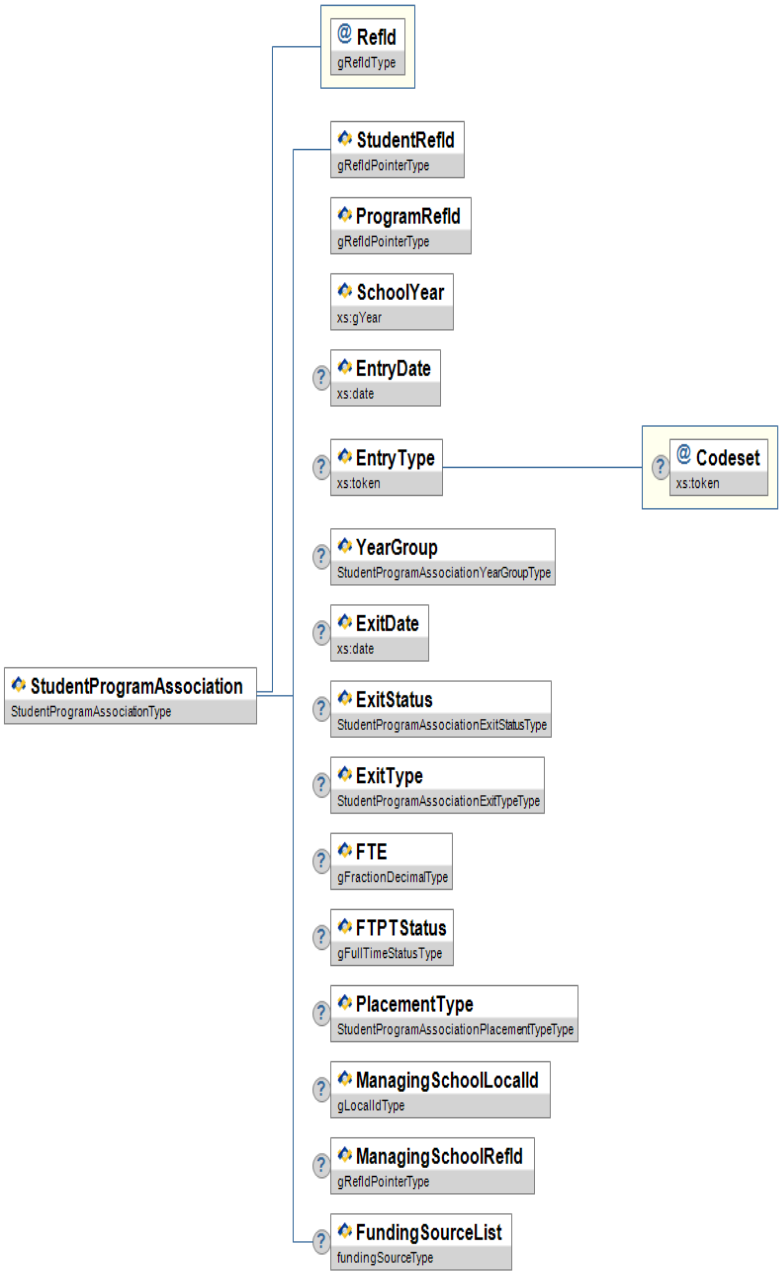


Figure 3.16.32-1: StudentProgramAssociation

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentProgramAssociation			Links a student to participation in a program.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	RefId	M			gRefIdType
	StudentRefId	M		The Id (UUID) of the student to whom this information is linked.	gRefIdPointerType
	ProgramRefId	M		The Id (GUID) of the program to which this enrollment applies.	gRefIdPointerType
	SchoolYear	M		School year for which this enrollment is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006-07 school year). StudentSchoolEnrollment instances must not span multiple school years.	xs:gYear
	EntryDate	O		The date from when this enrollment is valid.	xs:date
	EntryType	O		Code indicating the type of entry for this enrollment.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	YearGroup	O			StudentProgramAssociationYearGroupType
	ExitDate	O		The last school calendar day of this enrollment. If the student has exited the school or the enrollment has a RecordClosureReason, ExitDate must have a value.	xs:date
	ExitStatus	O			StudentProgramAssociationExitStatusType
	ExitType	O			StudentProgramAssociationExitTypeType
	FTE	O		Full-time equivalent numeric value of the student's program load during this enrollment, expressed in decimal form, where 1.00 represents a full-time enrollment.	gFractionDecimal
	FTPTStatus	O		An indication of whether the student is enrolled full time or part time.	gFullTimeStatusType
	PlacementType	O			StudentProgramAssociationPlacementTypeType
	ManagingSchoolLocalId	O		Managing school for this student in the program. Overrides the value in program object.	gLocalIdType
	ManagingSchoolRefId	O		SIF RefId for the managing school. Overrides the value in the program object.	gRefIdPointerType
	FundingSourceList	O		Student-specific funding sources for the student in the program.	fundingSourceType

Table 3.16.32-1: StudentProgramAssociation

JSON

```
{
  "StudentProgramAssociation": {
    "RefId": "Cd9aA9fd-1179-4fab-B205-db7e03b93bE4",
    "StudentRefId": "Bac68eb8-0DFa-43b0-Dd4b-7B1c85C15beA",
    "ProgramRefId": "B45A3aDf-d7C0-4Fa0-2FEd-34721aaf7d6F",
    "SchoolYear": "2014",
    "EntryDate": "2014-05-02",
    "EntryType": {
      "Codeset": "j|[J'ZnKN",
      "value": "FullTime"
    },
    "YearGroup": {
      "Codeset": "https://ceds.ed.gov/element/000100",
      "value": "07"
    },
    "ExitDate": "2014-07-16",
    "ExitStatus": {
      "Codeset": "https://ceds.ed.gov/element/000108",
      "value": "Temporary"
    },
    "ExitType": {
      "Codeset": "https://ceds.ed.gov/element/000110",
      "value": "01907"
    },
    "FTE": "0",
    "FTPTStatus": "F"
  }
}
```


XML


```
<StudentProgramAssociation RefId="Cd9aA9fd-1179-4fab-B205-db7e03b93bE4">
  <StudentRefId>Bac68eb8-0DFa-43b0-Dd4b-7B1c85C15beA</StudentRefId>
  <ProgramRefId>B45A3aDf-d7C0-4Fa0-2FEd-34721aaf7d6F</ProgramRefId>
  <SchoolYear>2014</SchoolYear>
  <EntryDate>2014-05-02</EntryDate>
  <EntryType Codeset="j|[J'ZnKN">FullTime</EntryType>
  <YearGroup Codeset="https://ceds.ed.gov/element/000100">07</YearGroup>
  <ExitDate>2014-07-16</ExitDate>
  <ExitStatus Codeset="https://ceds.ed.gov/element/000108">Temporary</ExitStatus>
  <ExitType Codeset="https://ceds.ed.gov/element/000110">01907</ExitType>
  <FTE>0</FTE>
  <FTPTStatus>F</FTPTStatus>
</StudentProgramAssociation>
```


Example 3.16.32-1: StudentProgramAssociation

3.16.33 StudentSchoolEnrollment

This object defines information related to a student's enrollment. StudentSchoolEnrollment instances must not span multiple school years.

Note there is only one current home enrollment at a time for a student. One and only one instance of the `StudentSchoolEnrollment` object must exist for a given student with `MembershipType=Home` for the time interval between `EntryDate` and `ExitDate`, inclusive.

Effective in version 2.0, agents are required to re-publish a `StudentSchoolEnrollment` object `Change` event when the `TimeFrame` attribute changes, regardless of when the data entry is done. This is in addition to the pre-2.0 practice of publishing the object `Change` event at the time the data changes in the corresponding application.

When the object is re-published, it must contain all the data in the object that is supported by the publisher. For more information, please refer to the supporting documentation.

SIF_Events are reported for this object.

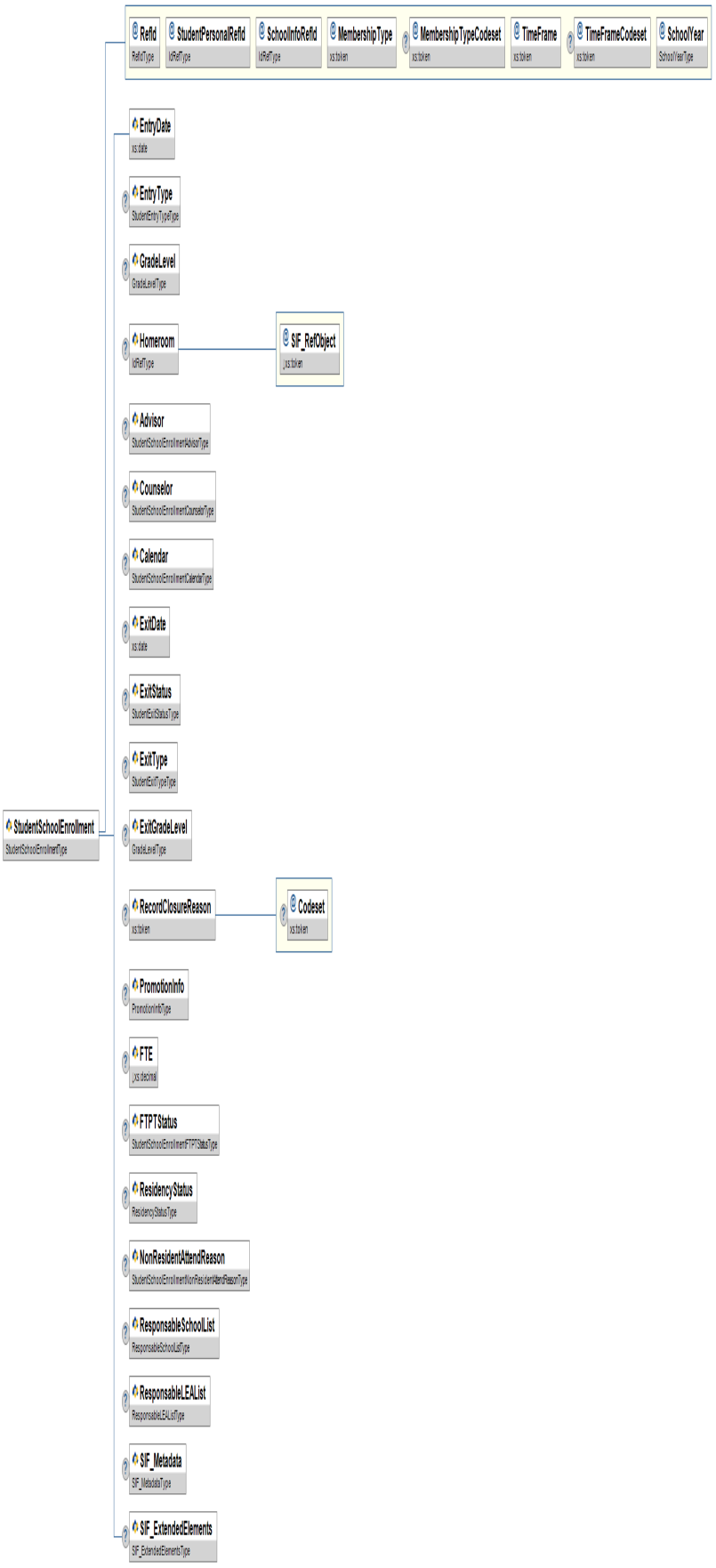


Figure 3.16.33-1: StudentSchoolEnrollment

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSchoolEnrollment		000094 https://ceds.ed.gov/element/000094	This object defines information related to a student's enrollment. StudentSchoolEnrollment instances must not span multiple school years. Note there is only one current home enrollment at a time for a student. One and only one instance of the `StudentSchoolEnrollment` object must exist for a given student with `MembershipType=Home` for the time interval between `EntryDate` and `ExitDate`, inclusive. Effective in version 2.0, agents are required to re-publish a `StudentSchoolEnrollment` object `Change` event when the `TimeFrame` attribute changes, regardless of when the data entry is done. This is in addition to the pre-2.0 practice of publishing the object `Change` event at the time the data changes in the corresponding application. When the object is re-published, it must contain all the data in the object that is supported by the publisher. For more information, please refer to the supporting documentation.	
@	RefId	M		The Id (GUID) that uniquely identifies a particular enrollment.	`RefIdType`
@	StudentPersonalRefId	M		The Id (GUID) of the student to whom this information is linked.	`IdRefType`
@	SchoolInfoRefId	M	000364 https://ceds.ed.gov/element/000364	The Id (GUID) of the school to which this enrollment applies.	`IdRefType`
@	MembershipType	M		The type of this enrollment as it relates to the school identified in SchoolInfoRefId.	`xs:token`
@	MembershipTypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	`xs:token`
@	TimeFrame	M		The timeframe of the enrollment based on the `SIF_Date` in the `SIF_Header` of the message. For events, it is determined as of the date the event is generated. For requests and responses, it is calculated based on the date of the request.	`xs:token`
@	TimeFrameCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	`xs:token`
@	SchoolYear	M		School year for which this enrollment is applicable, expressed as the four-digit year in which the school year ends (e.g. `2007` for the 2006-07 school year). StudentSchoolEnrollment instances must not span multiple school years.	`SchoolYearType`
	EntryDate	M	000097 https://ceds.ed.gov/element/000097	The date from when this enrollment is valid.	`xs:date`
	EntryType	O			`StudentEntryTypeType`

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	GradeLevel	O		Grade or academic level of student for this enrollment.	GradeLevelType
	Homeroom	O		Homeroom for this enrollment.	IdRefType
@	SIF_RefObject	M		The name of the object referenced.	values: RoomInfo
	Advisor	O			StudentSchoolEnrollmentAdvisorType
	Counselor	O			StudentSchoolEnrollmentCounselorType
	Calendar	O			StudentSchoolEnrollmentCalendarType
	ExitDate	C	000107 https://ceds.ed.gov/element/000107	The last school calendar day of this enrollment. If the student has exited the school or the enrollment has a RecordClosureReason, ExitDate must have a value.	xs:date
	ExitStatus	O			StudentExitStatusType
	ExitType	O			StudentExitTypeType
	ExitGradeLevel	O	001210 https://ceds.ed.gov/element/001210	The grade level or primary instructional level at which a student exits a school, program, or an educational institution.	GradeLevelType
	RecordClosureReason	O		The reason why this enrollment was closed.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	PromotionInfo	O		Information on a student's promotion, retention, or demotion related to this enrollment instance.	PromotionInfoType
	FTE	O		Full-time equivalent numeric value of the student's course load during this enrollment, expressed in decimal form, where 1.00 represents a full-time enrollment.	xs:decimal xs:minInclusive 0 xs:maxInclusive 1 xs:fractionDigits 2
	FTPTStatus	O			StudentSchoolEnrollmentFTPTStatusType
	ResidencyStatus	O		Location of an individual's legal residence relative to (within or outside) the boundaries of the school for this enrollment.	ResidencyStatusType
	NonResidentAttendReason	O			StudentSchoolEnrollmentNonResidentAttendReasonType
	ResponsableSchoolList	O			ResponsableSchoolListType
	ResponsableLEAList	O			ResponsableLEAListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.33-1: StudentSchoolEnrollment

JSON

```
{
  "StudentSchoolEnrollment": {
    "RefId": "A8C3D3E34B359D75101D00AA001A1652",
    "StudentPersonalRefId": "D3E34B359D75101A8C3D00AA001A1652",
    "SchoolInfoRefId": "D3E34B359D75101A8C3D00AA001A1651",
    "MembershipType": "Home",
    "TimeFrame": "Current",
    "SchoolYear": "2004",
    "EntryDate": "2004-01-29",
    "EntryType": {
      "Code": {
        "value": "1838"
      }
    },
    "GradeLevel": {
      "Code": {
        "value": "10"
      }
    },
    "Homeroom": {
      "SIF_RefObject": "RoomInfo",
      "value": "D7510D3E34B3591A8C3D00AA001A1651"
    },
    "Advisor": {
      "SIF_RefObject": "StaffPersonal",
      "value": "B359D3E34D75101A8C3D00AA001A1652"
    },
    "FTE": 1.0,
    "FTPTStatus": {
      "value": "FullTime"
    },
    "ResidencyStatus": {
      "Code": {
        "value": "1653"
      }
    },
    "NonResidentAttendReason": {
      "value": "1658"
    }
  }
}
```


XML


```
<StudentSchoolEnrollment RefId="A8C3D3E34B359D75101D00AA001A1652" StudentPersonalRefId="D3E34B359D75101A8C3D00AA001A1652" SchoolInfoRefId="D3E34B359D751
  <EntryDate>2004-01-29</EntryDate>
  <EntryType>
    <Code>1838</Code>
  </EntryType>
  <GradeLevel>
    <Code>10</Code>
  </GradeLevel>
  <Homeroom SIF_RefObject="RoomInfo">D7510D3E34B3591A8C3D00AA001A1651</Homeroom>
  <Advisor SIF_RefObject="StaffPersonal">B359D3E34D75101A8C3D00AA001A1652</Advisor>
  <FTE>1.00</FTE>
  <FTPTStatus>FullTime</FTPTStatus>
  <ResidencyStatus>
    <Code>1653</Code>
  </ResidencyStatus>
  <NonResidentAttendReason>1658</NonResidentAttendReason>
</StudentSchoolEnrollment>
```


Example 3.16.33-1: StudentSchoolEnrollment - Example 1

JSON


```
{
  "StudentSchoolEnrollment": {
    "RefId": "A8C3D3E34B359D75101D00AA001A1652",
    "StudentPersonalRefId": "D3E34B359D75101A8C3D00AA001A1652",
    "SchoolInfoRefId": "D3E34B359D75101A8C3D00AA001A1651",
    "MembershipType": "Home",
    "TimeFrame": "Historical",
    "SchoolYear": "2008",
    "ExitDate": "2008-01-29",
    "RecordClosureReason": {
      "value": "TimeDependentDataChange"
    },
    "PromotionInfo": {
      "PromotionStatus": {
        "value": "Promoted"
      },
      "Promotion": {
        "Code": {
          "value": "1974"
        }
      }
    }
  }
}
```


XML


```
<StudentSchoolEnrollment RefId="A8C3D3E34B359D75101D00AA001A1652" StudentPersonalRefId="D3E34B359D75101A8C3D00AA001A1652" SchoolInfoRefId="D3E34B359D751
  <ExitDate>2008-01-29</ExitDate>
  <RecordClosureReason>TimeDependentDataChange</RecordClosureReason>
  <PromotionInfo>
    <PromotionStatus>Promoted</PromotionStatus>
    <Promotion>
      <Code>1974</Code>
    </Promotion>
  </PromotionInfo>
</StudentSchoolEnrollment>
```


Example 3.16.33-2: StudentSchoolEnrollment - Example 2

3.16.34 StudentSectionEnrollment

This object contains information about a student's enrollment in a section of a course.

SIF_Events are reported for this object.

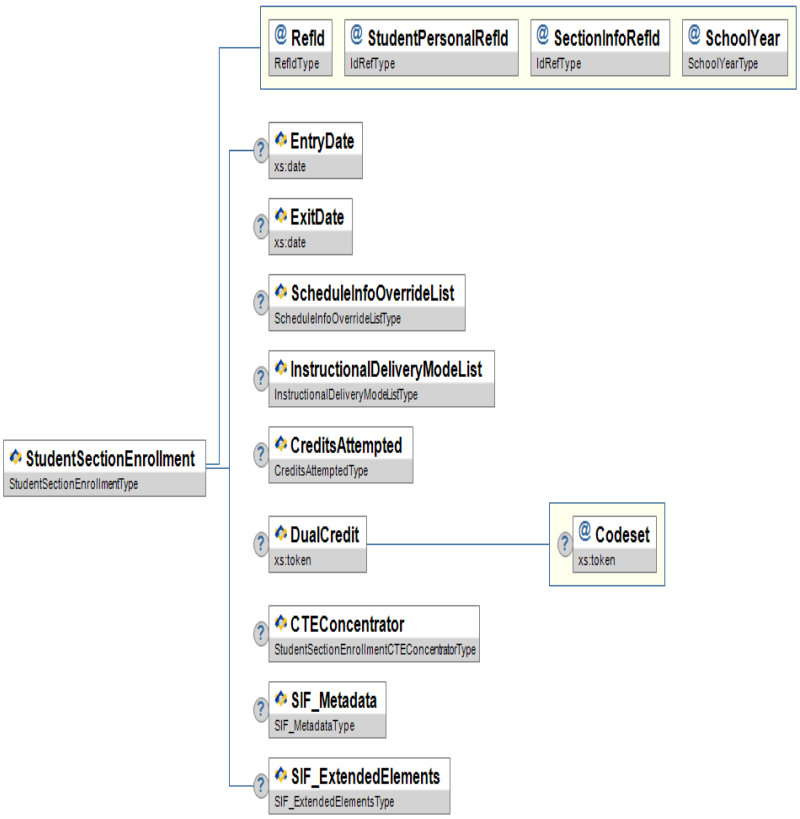


Figure 3.16.34-1: StudentSectionEnrollment

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSectionEnrollment			This object contains information about a student's enrollment in a section of a course.	
@	RefId	M		The Id (GUID) that uniquely identifies this StudentSectionEnrollment entity.	RefIdType
@	StudentPersonalRefId	M		The Id (GUID) of the student to whom the enrollment information applies.	IdRefType
@	SectionInfoRefId	M		The Id (GUID) of the section in which this student is enrolled.	IdRefType
@	SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006-07 school year).	SchoolYearType
	EntryDate	O	000097 https://ceds.ed.gov/element/000097	Date from when this course section enrollment is valid.	xs:date
	ExitDate	O	000651 https://ceds.ed.gov/element/000651	The last school calendar day (membership day) the student was enrolled in the course section (inclusive).	xs:date

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ScheduleInfoOverrideList	O		A complete replacement of the standard SectionInfo/ScheduleInfoList for this student's course enrollment.	ScheduleInfoOverrideListType
	InstructionalDeliveryModeList	O		The various instructional delivery modes chosen, out of those offered, for this section.	InstructionalDeliveryModeListType
	CreditsAttempted	O		Number of credits the student is attempting to earn. If present, this element's value overrides the credits in SchoolCourseInfo and SectionInfo.	CreditsAttemptedType
	DualCredit	O		Indicates whether this course is applicable in having dual credits. This value overrides the SchoolCourseInfo DualCredit value at the student section level..	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	CTEConcentrator	O			StudentSectionEnrollmentCTEConcentratorType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.34-1: StudentSectionEnrollment

JSON


```
{
  "StudentSectionEnrollment": {
    "RefId": "983AC16598793002C3D00AA00456789D",
    "StudentPersonalRefId": "CAE293165987101A8C3D00AA00456789",
    "SectionInfoRefId": "9076AB23E386112B7EA2256100BB3312",
    "SchoolYear": "2002",
    "EntryDate": "2001-09-05",
    "ExitDate": "2002-03-01",
    "ScheduleInfoOverrideList": {
      "ScheduleInfoOverride": [
        {
          "Override": "Yes",
          "TermInfoRefId": "099BBC3227490063E97403434C5C2207",
          "MeetingTimeList": {
            "MeetingTime": [
              {
                "TimetableDay": "M",
                "TimetablePeriod": "6"
              },
              {
                "TimetableDay": "W",
                "TimetablePeriod": "6"
              },
              {
                "TimetableDay": "F",
                "TimetablePeriod": "6"
              }
            ]
          }
        },
        {
          "Override": "Yes",
          "TermInfoRefId": "A2334007263E97403434C5C220798765",
          "MeetingTimeList": {
            "MeetingTime": [
              {
                "TimetableDay": "M",
                "TimetablePeriod": "4"
              },
              {
                "TimetableDay": "W",
                "TimetablePeriod": "4"
              },
              {
                "TimetableDay": "F",
                "TimetablePeriod": "4"
              }
            ]
          }
        }
      ]
    },
    "CreditsAttempted": {
      "Type": "0588",
      "value": 1
    },
    "DualCredit": {
      "value": "Yes"
    },
    "CTEConcentrator": {
      "value": "Yes"
    }
  }
}
```


XML

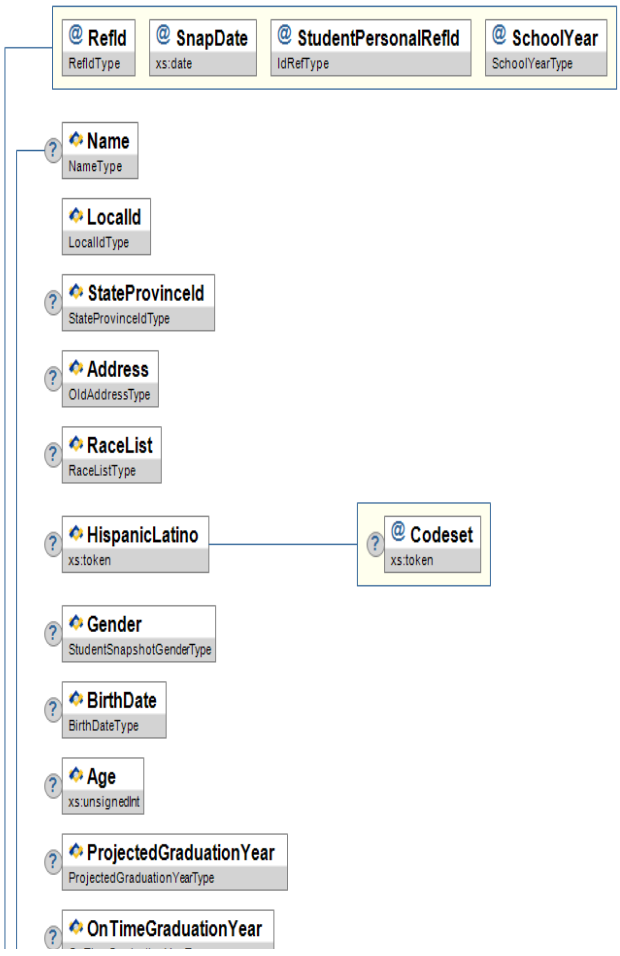
```
<StudentSectionEnrollment RefId="983AC16598793002C3D00AA00456789D" StudentPersonalRefId="CAE293165987101A8C3D00AA00456789" SectionInfoRefId="9076AB23E38
  <EntryDate>2001-09-05</EntryDate>
  <ExitDate>2002-03-01</ExitDate>
  <ScheduleInfoOverrideList>
    <ScheduleInfoOverride Override="Yes" TermInfoRefId="099BBC3227490063E97403434C5C2207">
      <MeetingTimeList>
        <MeetingTime>
          <TimetableDay>M</TimetableDay>
          <TimetablePeriod>6</TimetablePeriod>
        </MeetingTime>
        <MeetingTime>
          <TimetableDay>W</TimetableDay>
          <TimetablePeriod>6</TimetablePeriod>
        </MeetingTime>
        <MeetingTime>
          <TimetableDay>F</TimetableDay>
          <TimetablePeriod>6</TimetablePeriod>
        </MeetingTime>
      </MeetingTimeList>
    </ScheduleInfoOverride>
    <ScheduleInfoOverride Override="Yes" TermInfoRefId="A2334007263E97403434C5C220798765">
      <MeetingTimeList>
        <MeetingTime>
          <TimetableDay>M</TimetableDay>
          <TimetablePeriod>4</TimetablePeriod>
        </MeetingTime>
        <MeetingTime>
          <TimetableDay>W</TimetableDay>
          <TimetablePeriod>4</TimetablePeriod>
        </MeetingTime>
        <MeetingTime>
          <TimetableDay>F</TimetableDay>
          <TimetablePeriod>4</TimetablePeriod>
        </MeetingTime>
      </MeetingTimeList>
    </ScheduleInfoOverride>
  </ScheduleInfoOverrideList>
  <CreditsAttempted Type="0588">1</CreditsAttempted>
  <DualCredit>Yes</DualCredit>
  <CTEConcentrator>Yes</CTEConcentrator>
</StudentSectionEnrollment>
```

Example 3.16.34-1: StudentSectionEnrollment

3.16.35 StudentSnapshot

This object provides a snapshot of a student's record on a given day. All information reported in the object is reported as it appeared in the responding system on the date specified in SnapDate. It can be used for synching data across applications, for periodically loading a data warehouse, or for vertical reporting of data to a requesting authority, such as a state department of education.

SIF_Events are not reported for this object.



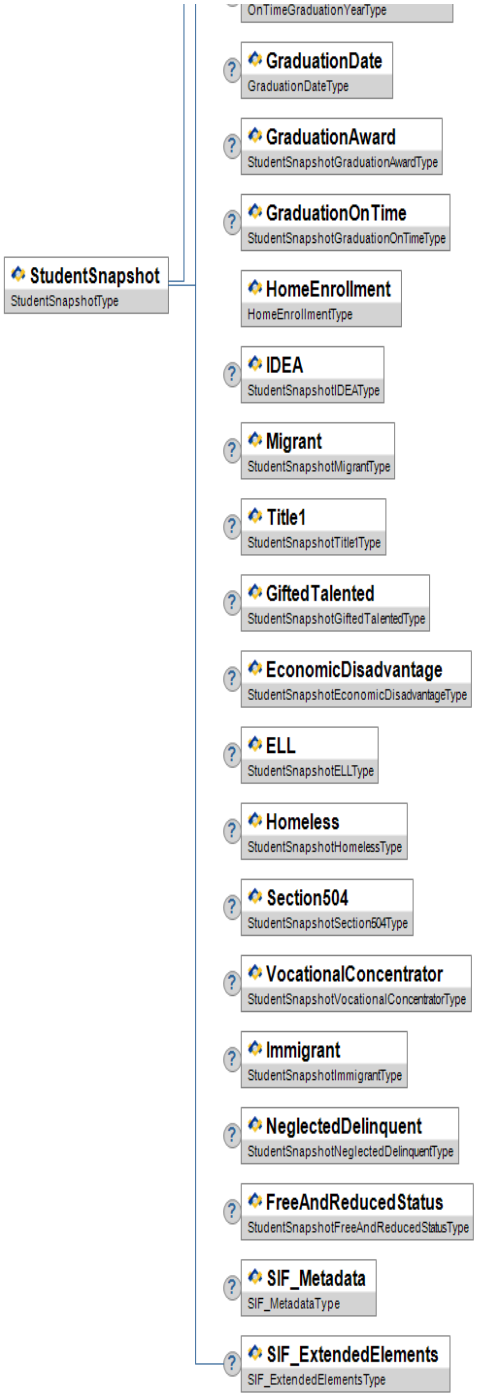


Figure 3.16.35-1: StudentSnapshot

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshot			This object provides a snapshot of a student's record on a given day. All information reported in the object is reported as it appeared in the responding system on the date specified in SnapDate. It can be used for synching data across applications, for periodically loading a data warehouse, or for vertical reporting of data to a requesting authority, such as a state department of education.	
@	RefId	M		A GUID that identifies an instance of this object. This RefId is a “transient” value; that is, it SHOULD be generated by the provider at the time the object is provided in a Response message. This value MUST NOT be used in a later Request for the object.	RefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	SnapDate	M		The date the data snapshot was taken. Some elements are provided/calculated as of the SnapDate, and some are provided as of the date the object is requested (i.e., some can be historical and some will represent the last information available/last known value). In a SIS the following elements are provided/calculated as of the SnapDate: Age, HomeEnrollment and all its child elements. Other applications (e.g., data warehouses) may be able to provide values for other elements on various snap dates.	xs:date
@	StudentPersonalRefId	M		The Id (GUID) of the student to whom this information relates.	IdRefType
@	SchoolYear	M		School year in which the SnapDate falls, and for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006-07 school year).	SchoolYearType
	Name	O		The name of the student.	NameType
	LocalId	M		The locally-defined identifier for this student.	LocalIdType
	StateProvinceId	O		The state-assigned identifier for this student.	StateProvinceIdType
	Address	O		The address of the student.	OldAddressType
	RaceList	O		Person's race	RaceListType
	HispanicLatino	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Gender	O			StudentSnapshotGenderType
	BirthDate	O		The person's date of birth.	BirthDateType
	Age	O		The age (in years) of the student on the date in SnapDate.	xs:unsignedInt
	ProjectedGraduationYear	O		Currently projected graduation year.	ProjectedGraduationYearType
	OnTimeGraduationYear	O		First projected graduation year, usually determined when student is accepted into ninth grade.	OnTimeGraduationYearType
	GraduationDate	O		Date student officially graduated from secondary education.	GraduationDateType
	GraduationAward	O			StudentSnapshotGraduationAwardType
	GraduationOnTime	O			StudentSnapshotGraduationOnTimeType
	HomeEnrollment	M		Enrollment-related information for the school that is responsible for reporting the student's membership/child accounting information. This is most likely the primary enrollment site for the student.	HomeEnrollmentType
	IDEA	O			StudentSnapshotIDEAType
	Migrant	O			StudentSnapshotMigrantType
	Title1	O			StudentSnapshotTitle1Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	GiftedTalented	O			StudentSnapshotGiftedTalentedType
	EconomicDisadvantage	O			StudentSnapshotEconomicDisadvantageType
	ELL	O			StudentSnapshotELLType
	Homeless	O			StudentSnapshotHomelessType
	Section504	O			StudentSnapshotSection504Type
	VocationalConcentrator	O			StudentSnapshotVocationalConcentratorType
	Immigrant	O			StudentSnapshotImmigrantType
	NeglectedDelinquent	O			StudentSnapshotNeglectedDelinquentType
	FreeAndReducedStatus	O			StudentSnapshotFreeAndReducedStatusType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.35-1: StudentSnapshot

JSON

```
{
  "StudentSnapshot": {
    "RefId": "359D75101AD0A9D7A8C3DAD0A85103A2",
    "SnapDate": "2003-10-01",
    "StudentPersonalRefId": "A15484ED564995254A4568EFFC5100BD",
    "SchoolYear": "2004",
    "Name": {
      "Type": "04",
      "LastName": "Johnson",
      "FirstName": "Alison"
    },
    "LocalId": "1089543",
    "StateProvinceId": "A50321",
    "Address": {
      "Type": "0123",
      "Street": {
        "Line1": "6799 33rd Ave.",
        "StreetNumber": "6799",
        "StreetName": "33rd",
        "StreetType": "Ave."
      },
      "City": "Chicago",
      "StateProvince": {
        "value": "IL"
      },
      "Country": {
        "value": "US"
      },
      "PostalCode": "60660"
    },
    "RaceList": {
      "Race": [
        {
          "Code": {
            "value": "1002"
          }
        }
      ]
    },
    "Gender": {
      "value": "M"
    },
    "BirthDate": "1988-03-02",
    "Age": 15,
    "ProjectedGraduationYear": "2007",
    "OnTimeGraduationYear": "2006",
    "HomeEnrollment": {
      "StudentSchoolEnrollmentRefId": "0847987235489729AAA73011BB365EC3",
      "SchoolName": "Academy HS",
      "SchoolInfoRefId": "834787627836AC74B05EE3066ABC9231",
      "LocalId": "ACAD",
      "StateProvinceId": "057302",
      "Status": {
        "value": "Active"
      },
      "GradeLevel": {
        "Code": {
          "value": "09"
        }
      },
      "Homeroom": {
        "SIF_RefObject": "RoomInfo",
        "value": "9475683579BA648E0548DDA8365700F4"
      },
      "HomeroomNumber": "B024",
      "FullYearEnrollment": {
        "value": "Unknown"
      }
    },
    "IDEA": {
      "value": "No"
    },
    "Migrant": {
      "value": "No"
    },
    "Title1": {
      "value": "Yes"
    },
    "GiftedTalented": {
      "value": "No"
    },
    "EconomicDisadvantage": {
      "value": "Yes"
    },
    "ELL": {
      "value": "No"
    },
    "Homeless": {
      "value": "No"
    },
    "Section504": {
      "value": "No"
    },
    "VocationalConcentrator": {
      "value": "No"
    },
    "Immigrant": {
      "value": "No"
    }
  }
}
```


XML

```
<StudentSnapshot RefId="359D75101AD0A9D7A8C3DAD0A85103A2" SnapDate="2003-10-01" StudentPersonalRefId="A15484ED564995254A4568EFFC5100BD" SchoolYear="2004
  <Name Type="04">
    <LastName>Johnson</LastName>
    <FirstName>Alison</FirstName>
  </Name>
  <LocalId>1089543</LocalId>
  <StateProvinceId>A50321</StateProvinceId>
  <Address Type="0123">
    <Street>
      <Line1>6799 33rd Ave.</Line1>
      <StreetNumber>6799</StreetNumber>
      <StreetName>33rd</StreetName>
      <StreetType>Ave.</StreetType>
    </Street>
    <City>Chicago</City>
    <StateProvince>IL</StateProvince>
    <Country>US</Country>
    <PostalCode>60660</PostalCode>
  </Address>
  <RaceList>
    <Race>
      <Code>1002</Code>
    </Race>
  </RaceList>
  <Gender>M</Gender>
  <BirthDate>1988-03-02</BirthDate>
  <Age>15</Age>
  <ProjectedGraduationYear>2007</ProjectedGraduationYear>
  <OnTimeGraduationYear>2006</OnTimeGraduationYear>
  <HomeEnrollment>
    <StudentSchoolEnrollmentRefId>0847987235489729AAA73011BB365EC3</StudentSchoolEnrollmentRefId>
    <SchoolName>Academy HS</SchoolName>
    <SchoolInfoRefId>834787627836AC74B05EE3066ABC9231</SchoolInfoRefId>
    <LocalId>ACAD</LocalId>
    <StateProvinceId>057302</StateProvinceId>
    <Status>Active</Status>
    <GradeLevel>
      <Code>09</Code>
    </GradeLevel>
    <Homeroom SIF_RefObject="RoomInfo">9475683579BA648E0548DDA8365700F4</Homeroom>
    <HomeroomNumber>B024</HomeroomNumber>
    <FullYearEnrollment>Unknown</FullYearEnrollment>
  </HomeEnrollment>
  <IDEA>No</IDEA>
  <Migrant>No</Migrant>
  <Title1>Yes</Title1>
  <GiftedTalented>No</GiftedTalented>
  <EconomicDisadvantage>Yes</EconomicDisadvantage>
  <ELL>No</ELL>
  <Homeless>No</Homeless>
  <Section504>No</Section504>
  <VocationalConcentrator>No</VocationalConcentrator>
  <Immigrant>No</Immigrant>
</StudentSnapshot>
```

Example 3.16.35-1: StudentSnapshot

3.16.36 TermInfo

This object provides information about a term; i.e., a reportable period of time.

SIF_Events are reported for this object.

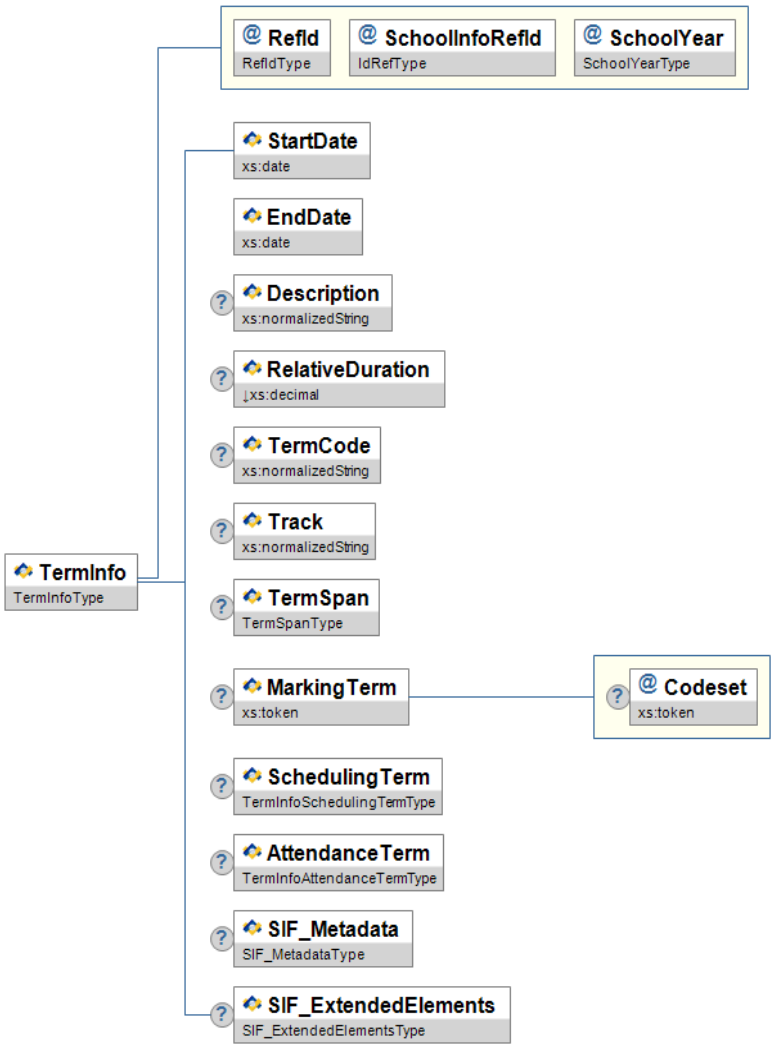


Figure 3.16.36-1: TermInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TermInfo			This object provides information about a term; i.e., a reportable period of time.	
@ 🔑	RefId	M		The Id (GUID) that uniquely identifies this TermInfo entity.	RefIdType
@	SchoolInfoRefId	M		The Id (GUID) that identifies the school where the term is used.	IdRefType
@	SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2007 for the 2006-07 school year).	SchoolYearType
	StartDate	M		Starting date of the term.	xs:date
	EndDate	M		Ending date of the term (CCYYMMDD).	xs:date
	Description	O		Text-based description of the term.	xs:normalizedString

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RelativeDuration	O		Portion of the school year represented by this term, expressed in decimal form precise to 4 decimal places (e.g., 0.1333).	xs:decimal xs:minInclusive 0 xs:maxInclusive 1 xs:fractionDigits 4
	TermCode	O		Locally-defined code.	xs:normalizedString
	Track	O		The name, description, or code of the track that contains this term. This is used when there are multiple tracks within a school. For instance, kindergarten commonly has a different set of terms than other grades within the school.	xs:normalizedString
	TermSpan	O			TermSpanType
	MarkingTerm	O		Does this TermInfo represent a marking period?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	SchedulingTerm	O			TermInfoSchedulingTermType
	AttendanceTerm	O			TermInfoAttendanceTermType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.16.36-1: TermInfo

JSON

```
{
  "TermInfo": {
    "RefId": "7E59D75101A80A70016375DE097A0726",
    "SchoolInfoRefId": "A2E35B359D75101A8C3D00AA001A0000",
    "SchoolYear": "2004",
    "StartDate": "2003-01-05",
    "EndDate": "2004-04-01",
    "Description": "Spring Semester 2004",
    "RelativeDuration": 0.1333,
    "TermCode": "Sp2004",
    "Track": "PreK",
    "TermSpan": {
      "Code": {
        "value": "0828"
      },
      "OtherCodeList": {
        "OtherCode": [
          {
            "Codeset": "Text",
            "value": "Semester"
          }
        ]
      }
    }
  }
}
```

XML

```
<TermInfo RefId="7E59D75101A80A70016375DE097A0726" SchoolInfoRefId="A2E35B359D75101A8C3D00AA001A0000" SchoolYear="2004">
  <StartDate>2003-01-05</StartDate>
  <EndDate>2004-04-01</EndDate>
  <Description>Spring Semester 2004</Description>
  <RelativeDuration>0.1333</RelativeDuration>
  <TermCode>Sp2004</TermCode>
  <Track>PreK</Track>
  <TermSpan>
    <Code>0828</Code>
    <OtherCodeList>
      <OtherCode Codeset="Text">Semester</OtherCode>
    </OtherCodeList>
  </TermSpan>
</TermInfo>
```

Example 3.16.36-1: TermInfo

3.17 Student Record Exchange Task Force

3.17.1 StudentRecordExchange

This object contains references to the set of records associated with and available for a given student.

SIF_Events are not reported for this object.

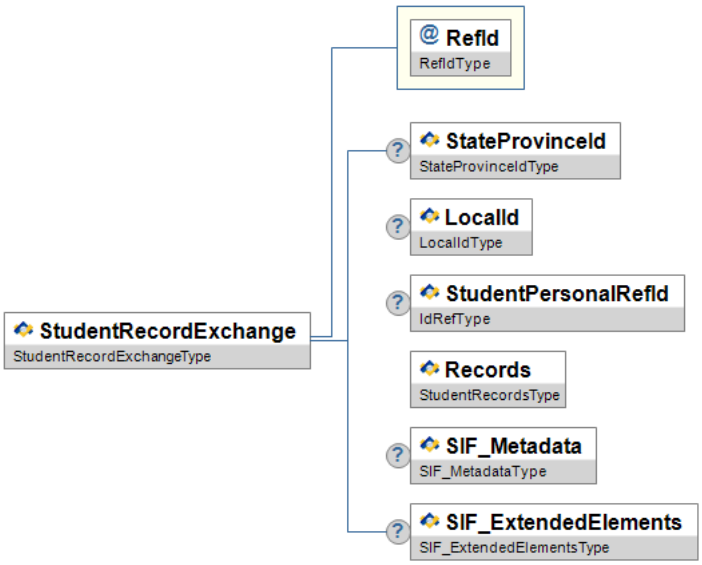


Figure 3.17.1-1: StudentRecordExchange

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentRecordExchange			This object contains references to the set of records associated with and available for a given student.	
@	RefId	M		The GUID that uniquely identifies an instance of this object. This RefId is a "transient" value; that is, it SHOULD be generated by the provider at the time the object is provided in a Response message. This value MUST NOT be used in a later Request for the object.	`RefIdType`
	StateProvinceId	C	000364 https://ceds.ed.gov/element/000364	A unique student identifier outside of SIF. To request this object for a given student, one or more of `StateProvinceId`, `LocalId` or `StudentPersonalRefId` must be included when querying; matched records include one or more of the supplied values.	`StateProvinceIdType`
	LocalId	C		A locally-defined student identifier.	`LocalIdType`
	StudentPersonalRefId	C		An associated `StudentPersonal` object.	`IdRefType`
	Records	M		All records associated with the student.	`StudentRecordsType`
	SIF_Metadata	O			`SIF_MetadataType`
	SIF_ExtendedElements	O			`SIF_ExtendedElementsType`

Table 3.17.1-1: StudentRecordExchange

JSON


```
{
  "StudentRecordExchange": {
    "RefId": "0EAF9D6DA4854F348103B04BFEAC65B2",
    "StateProvinceId": "2983472",
    "Records": {
      "StudentDemographicRecordRefId": "0B4AC4176FED4F00BCB6FBF1AE466FD2",
      "StudentAcademicRecordRefId": "D932E34082D04C048112729922B58A93",
      "StudentSpecialEducationRecordRefId": "DA92717DE79A4D428E1107F5DC4ECED8",
      "OtherRecords": {
        "StudentRecordPackageRefId": [
          "25FCD7C038E44E38A025FFD609B9D190"
        ]
      }
    }
  }
}
```


XML

```
<StudentRecordExchange RefId="0EAF9D6DA4854F348103B04BFEAC65B2">
  <StateProvinceId>2983472</StateProvinceId>
  <Records>
    <StudentDemographicRecordRefId>0B4AC4176FED4F00BCB6FBF1AE466FD2</StudentDemographicRecordRefId>
    <StudentAcademicRecordRefId>D932E34082D04C048112729922B58A93</StudentAcademicRecordRefId>
    <StudentSpecialEducationRecordRefId>DA92717DE79A4D428E1107F5DC4ECED8</StudentSpecialEducationRecordRefId>
    <OtherRecords>
      <StudentRecordPackageRefId>25FCD7C038E44E38A025FFD609B9D190</StudentRecordPackageRefId>
    </OtherRecords>
  </Records>
</StudentRecordExchange>
```

Example 3.17.1-1: StudentRecordExchange

3.17.2 StudentDemographicRecord

Conveys a student's demographic data for student record exchange and transcript purposes.

This object is designed to be a dual-purpose object. It can be linked to a `StudentRecordExchange` object for record exchange purposes. There may also be Zones where systems can provide this information for record exchange systems or general informational purposes, in which case the object can be linked directly to `StudentPersonal`.

SIF_Events are not reported for this object.

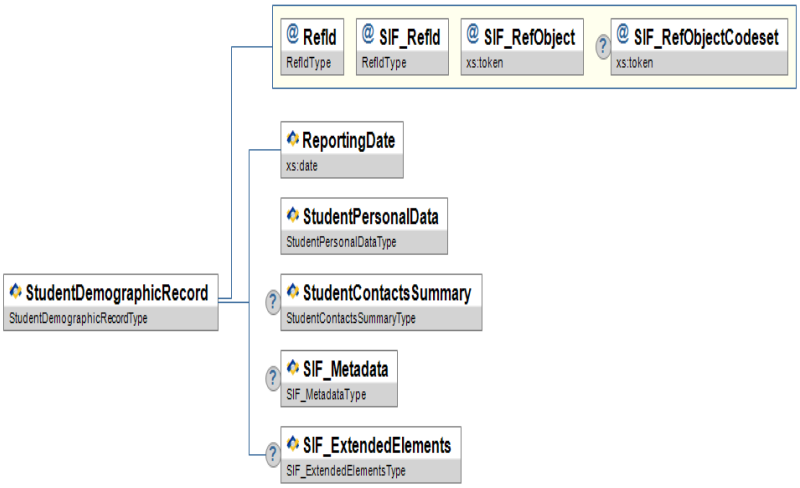


Figure 3.17.2-1: StudentDemographicRecord

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentDemographicRecord			Conveys a student's demographic data for student record exchange and transcript purposes. This object is designed to be a dual-purpose object. It can be linked to a `StudentRecordExchange` object for record exchange purposes. There may also be Zones where systems can provide this information for record exchange systems or general informational purposes, in which case the object can be linked directly to `StudentPersonal`.	
@ 🔑	RefId	M		The Id (GUID) of this record.	`RefIdType`
@	SIF_RefId	M		The GUID of an associated object, either `StudentRecordExchange` or `StudentPersonal`.	`RefIdType`
@	SIF_RefObject	M		The associated object type.	`xs:token`
@	SIF_RefObjectCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	`xs:token`
	ReportingDate	M		The date this record was prepared.	`xs:date`

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalData	M		Collects elements of interest from StudentPersonal.	StudentPersonalDataType
	StudentContactsSummary	O		Reports up to two parents/guardians of the student.	StudentContactsSummaryType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.17.2-1: StudentDemographicRecord

JSON


```
{
  "StudentDemographicRecord": {
    "RefId": "0B4AC4176FED4F00BCB6FBF1AE466FD2",
    "SIF_RefObject": "StudentRecordExchange",
    "SIF_RefId": "0EAF9D6DA4854F348103B04BFEAC65B2",
    "ReportingDate": "2006-09-26",
    "StudentPersonalData": {
      "LocalId": "00356",
      "StateProvinceId": "2983472",
      "SSN": "399091093",
      "Name": {
        "Type": "04",
        "LastName": "Costis",
        "FirstName": "Martha",
        "MiddleName": "Parke"
      },
      "DemographicsData": {
        "Gender": {
          "value": "F"
        }
      }
    },
    "StudentContactsSummary": {
      "ParentGuardian1": {
        "Name": {
          "Type": "04",
          "LastName": "Costis",
          "FirstName": "George"
        }
      },
      "ParentGuardian2": {
        "Name": {
          "Type": "04",
          "LastName": "Costis",
          "FirstName": "Martha"
        }
      }
    }
  }
}
```


XML


```
<StudentDemographicRecord RefId="0B4AC4176FED4F00BCB6FBF1AE466FD2" SIF_RefObject="StudentRecordExchange" SIF_RefId="0EAF9D6DA4854F348103B04BFEAC65B2">
  <ReportingDate>2006-09-26</ReportingDate>
  <StudentPersonalData>
    <LocalId>00356</LocalId>
    <StateProvinceId>2983472</StateProvinceId>
    <SSN>399091093</SSN>
    <Name Type="04">
      <LastName>Costis</LastName>
      <FirstName>Martha</FirstName>
      <MiddleName>Parke</MiddleName>
    </Name>
    <DemographicsData>
      <Gender>F</Gender>
    </DemographicsData>
  </StudentPersonalData>
  <StudentContactsSummary>
    <ParentGuardian1>
      <Name Type="04">
        <LastName>Costis</LastName>
        <FirstName>George</FirstName>
      </Name>
    </ParentGuardian1>
    <ParentGuardian2>
      <Name Type="04">
        <LastName>Costis</LastName>
        <FirstName>Martha</FirstName>
      </Name>
    </ParentGuardian2>
  </StudentContactsSummary>
</StudentDemographicRecord>
```


Example 3.17.2-1: StudentDemographicRecord

3.17.3 StudentAcademicRecord

This object conveys a student's academic record data for student record exchange and transcript purposes.

This object is designed to be a dual-purpose object. It can be linked to a `StudentRecordExchange` object for record exchange purposes. There may also be Zones where systems can provide this information for record exchange systems or general informational purposes, in which case the object can be linked directly to `StudentPersonal`.

SIF_Events are not reported for this object.

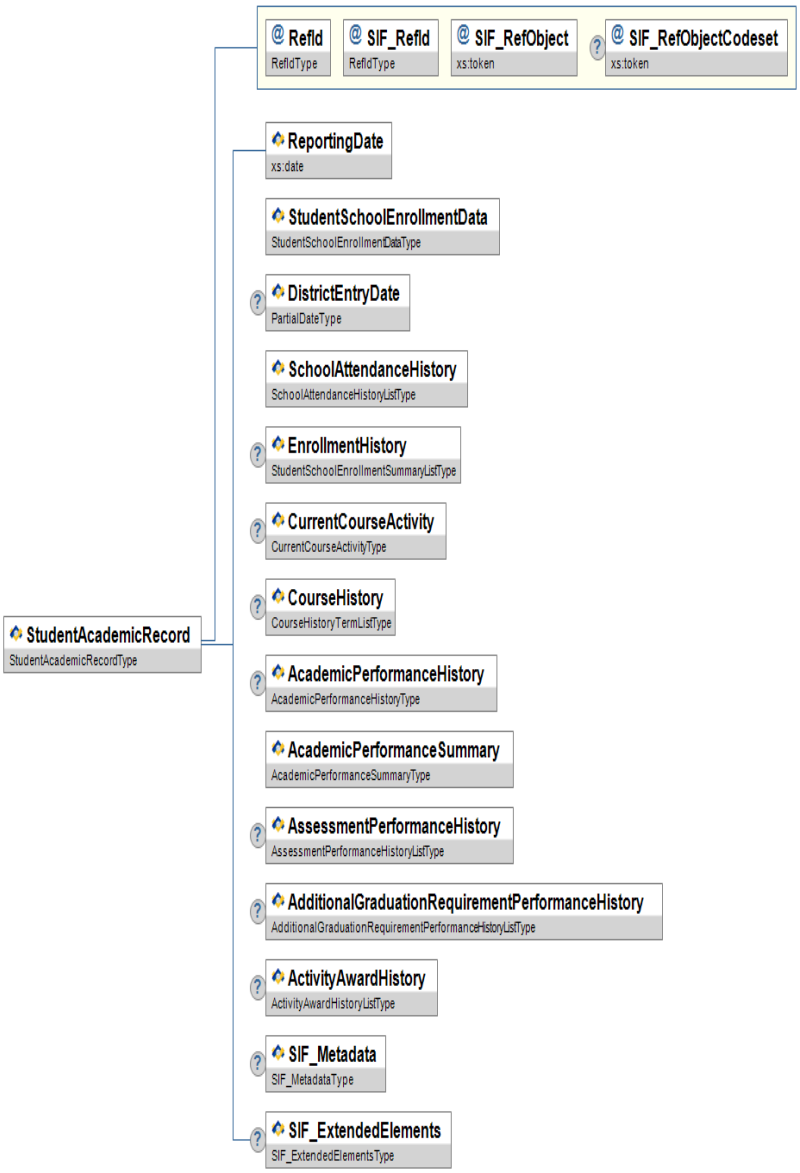


Figure 3.17.3-1: StudentAcademicRecord

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentAcademicRecord			This object conveys a student's academic record data for student record exchange and transcript purposes. This object is designed to be a dual-purpose object. It can be linked to a `StudentRecordExchange` object for record exchange purposes. There may also be Zones where systems can provide this information for record exchange systems or general informational purposes, in which case the object can be linked directly to `StudentPersonal`.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	RefId	M	000365 https://ceds.ed.gov/element/000365	The Id (GUID) of this record.	RefIdType
@	SIF_RefId	M		The GUID of an associated object, either StudentRecordExchange or StudentPersonal.	RefIdType
@	SIF_RefObject	M		The associated object type.	xs:token
@	SIF_RefObjectCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ReportingDate	M		The date this record was prepared.	xs:date
	StudentSchoolEnrollmentData	M		Collects elements of interest from StudentSchoolEnrollment.	StudentSchoolEnrollmentDataType
	DistrictEntryDate	O		The date the student originally enrolled in the district of the school of record.	PartialDateType
	SchoolAttendanceHistory	M		Chronology of schools attended in the student's academic career, including the current school if enrolled.	SchoolAttendanceHistoryListType
	EnrollmentHistory	O		A list of each enrollment in the schools above (see SchoolAttended).	StudentSchoolEnrollmentSummaryListType
	CurrentCourseActivity	C		Note: Mandatory if coursework is underway. Conveys a student's current coursework along with mid-term marks if applicable.	CurrentCourseActivityType
	CourseHistory	O		Conveys the coursework completed, performance and attendance information for a student's academic career.	CourseHistoryTermListType
	AcademicPerformanceHistory	O		Provides a summary of a student's academic performance by reporting period.	AcademicPerformanceHistoryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AcademicPerformanceSummary	M		Conveys a cumulative summary of a student's entire academic performance at the time the transcript was generated.	AcademicPerformanceSummaryType
	AssessmentPerformanceHistory	C		Note: Mandatory if assessments exist. Conveys a history of assessments that the student has taken throughout his/her academic career.	AssessmentPerformanceHistoryListType
	AdditionalGraduationRequirementPerformanceHistory	C		Note: Mandatory if additional graduation requirements exist. Conveys a student's achievements in relation to additional graduation requirements.	AdditionalGraduationRequirementPerformanceHistoryListT
	ActivityAwardHistory	C		Note: Mandatory if activities/awards exist. Conveys award the student has received and/or activities in which s/he has been involved.	ActivityAwardHistoryListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.17.3-1: StudentAcademicRecord

JSON

```
{
  "StudentAcademicRecord": {
    "RefId": "D932E34082D04C048112729922B58A93",
    "SIF_RefObject": "StudentRecordExchange",
    "SIF_RefId": "0EAF9D6DA4854F348103B04BFEAC65B2",
    "ReportingDate": "2006-09-26",
    "StudentSchoolEnrollmentData": {
      "SchoolAttendedRefId": "39FA2714A63543B0A7732796825E9C68",
      "GradeLevel": {
        "Code": {
          "value": "12"
        }
      }
    },
    "DistrictEntryDate": "2003-09-01",
    "SchoolAttendanceHistory": {
      "SchoolAttended": [
        {
          "RefId": "39FA2714A63543B0A7732796825E9C67",
          "SchoolInfoData": {
            "LocalId": "43",
            "StateProvinceId": "389",
            "SchoolName": "Thomas Jefferson HS",
            "GradeLevels": {
              "GradeLevel": [
                {
                  "Code": {
                    "value": "09"
                  }
                },
                {
                  "Code": {
                    "value": "10"
                  }
                },
                {
                  "Code": {
                    "value": "11"
                  }
                },
                {
                  "Code": {
                    "value": "12"
                  }
                }
              ]
            }
          },
          "MarkingSystems": {
            "MarkValueInfoData": [
              {
                "RefId": "DBA34A13FF234C7994AAE13D89DA9A50",
                "Name": "Letter Grades",
                "Letter": {
                  "ValidMark": [
                    {
                      "Code": "A",
                      "NumericEquivalent": 4.0
                    },
                    {
                      "Code": "A-",
                      "NumericEquivalent": 3.7
                    },
                    {
                      "Code": "B+",
                      "NumericEquivalent": 3.2
                    },
                    {
                      "Code": "B",
                      "NumericEquivalent": 3.0
                    },
                    {
                      "Code": "B-",
                      "NumericEquivalent": 2.7
                    },
                    {
                      "Code": "C+",
                      "NumericEquivalent": 2.8
                    },
                    {
                      "Code": "C",
                      "NumericEquivalent": 2.0
                    },
                    {
                      "Code": "C-",
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                    {
                      "Code": "D+",
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                    {
                      "Code": "D",
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                    },
                    {
                      "Code": "E",
                      "NumericEquivalent": 0.0
                    },
                    {
                      "Code": "F",
                      "NumericEquivalent": 0.0
                    }
                  ]
                }
              }
            ]
          }
        },
        {
          "RefId": "39FA2714A63543B0A7732796825E9C68",
          "LEAInfoData": {
            "LEAName": "Everett School District"
          },
          "SchoolInfoData": {
            "LocalId": "44",
            "StateProvinceId": "390",
            "SchoolName": "Everett HS",
            "AddressList": {
              "Address": [
                {
                  "Type": "0123",
                  "Street": {
                    "Line1": "2416 Colby Ave"
                  },
                  "City": "Everett",
                  "StateProvince": {
                    "value": "WA"
                  },
                  "Country": {
                    "value": "US"
                  },
```

```
              "PostalCode": "98201"
            }
          ]
        },
        "GradeLevels": {
          "GradeLevel": [
            {
              "Code": {
                "value": "09"
              }
            },
            {
              "Code": {
                "value": "10"
              }
            },
            {
              "Code": {
                "value": "11"
              }
            },
            {
              "Code": {
                "value": "12"
              }
            }
          ]
        }
      },
      "MarkingSystems": {
        "MarkValueInfoData": [
          {
            "RefId": "FBE50CCA156741F389D916B89923DFFE",
            "Name": "Letter Grades",
            "Letter": {
              "ValidMark": [
                {
                  "Code": "A",
                  "NumericEquivalent": 4.0
                },
                {
                  "Code": "A-",
                  "NumericEquivalent": 3.7
                },
                {
                  "Code": "B+",
                  "NumericEquivalent": 3.2
                },
                {
                  "Code": "B",
                  "NumericEquivalent": 3.0
                },
                {
                  "Code": "B-",
                  "NumericEquivalent": 2.7
                },
                {
                  "Code": "C+",
                  "NumericEquivalent": 2.8
                },
                {
                  "Code": "C",
                  "NumericEquivalent": 2.0
                },
                {
                  "Code": "C-",
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                },
                {
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                  "NumericEquivalent": 0.0
                },
                {
                  "Code": "F",
                  "NumericEquivalent": 0.0
                }
              ]
            }
          }
        ]
      }
    },
    {
      "RefId": "39FA2714A63543B0A7732796825E9C69",
      "SchoolInfoData": {
        "LocalId": "45",
        "StateProvinceId": "391",
        "NCESId": "",
        "SchoolName": "Thomas Alva Edison HS",
        "GradeLevels": {
          "GradeLevel": [
            {
              "Code": {
                "value": "09"
              }
            },
            {
              "Code": {
                "value": "10"
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            {
              "Code": {
                "value": "11"
              }
            },
            {
              "Code": {
                "value": "12"
              }
            }
          ]
        }
      }
    }
  ]
},
"EnrollmentHistory": {
  "StudentSchoolEnrollmentData": [
    {
      "SchoolAttendedRefId": "39FA2714A63543B0A7732796825E9C67",
      "SchoolYear": "1998",
      "EntryDate": "1997-09-01",
      "ExitDate": "1998-06-30"
    },
```

```
      {
        "SchoolAttendedRefId": "39FA2714A63543B0A7732796825E9C68",
        "SchoolYear": "1999",
        "EntryDate": "1998-09-01",
        "ExitDate": "1999-06-30"
      },
      {
        "SchoolAttendedRefId": "39FA2714A63543B0A7732796825E9C69",
        "SchoolYear": "2000",
        "EntryDate": "1999-09-01",
        "ExitDate": "2000-06-30"
      },
      {
        "SchoolAttendedRefId": "39FA2714A63543B0A7732796825E9C68",
        "SchoolYear": "2002",
        "EntryDate": "2001-09-01"
      }
    ]
  },
  "CourseHistory": {
    "Term": [
      {
        "TermInfoData": {
          "SchoolAttendedRefId": "39FA2714A63543B0A7732796825E9C67",
          "SchoolYear": "1998",
          "StartDate": "1997-09-01",
          "EndDate": "1998-03-30"
        },
        "Courses": {
          "Course": [
            {
              "SchoolCourseInfoData": {
                "CourseCode": "ENG031",
                "CourseTitle": "Grammar"
              },
              "StartDate": "1997-09-01",
              "EndDate": "1998-03-30",
              "MarkingPeriods": {
                "MarkingPeriod": [
                  {
                    "GradeLevelWhenTaken": {
                      "Code": {
                        "value": "09"
                      }
                    },
                    "MarkData": {
                      "MarkValueInfoDataRefId": "DBA34A13FF234C7994AAE13D89DA9A50",
                      "Letter": "A"
                    },
                    "CourseCreditsAttempted": 0.5,
                    "CourseCreditsEarned": 0.5,
                    "DaysAbsent": 0,
                    "DaysPresent": 85
                  }
                ]
              }
            }
          ]
        }
      }
    ]
  },
  "AcademicPerformanceHistory": {
    "TermPerformance": [
      {
        "TermInfoData": {
          "EndDate": "1998-03-31"
        },
        "GradeLevelWhenTaken": {
          "Code": {
            "value": "09"
          }
        },
        "CreditsAttempted": 3.0,
        "CreditsEarned": 3.0,
        "GPACreditsAttempted": 3.0,
        "GPACreditsEarned": 3.0,
        "GPAGradePoints": 12.0,
        "GPA": 4.0,
        "DaysAbsent": 0,
        "DaysPresent": 85
      },
      {
        "TermInfoData": {
          "EndDate": "1998-06-30"
        },
        "GradeLevelWhenTaken": {
          "Code": {
            "value": "09"
          }
        },
        "CreditsAttempted": 3.5,
        "CreditsEarned": 3.5,
        "GPACreditsAttempted": 3.5,
        "GPACreditsEarned": 3.5,
        "GPAGradePoints": 12.0,
        "GPA": 4.0,
        "DaysAbsent": 0,
        "DaysPresent": 85
      },
      {
        "TermInfoData": {
          "EndDate": "1999-01-31"
        },
        "GradeLevelWhenTaken": {
          "Code": {
            "value": "09"
          }
        },
        "CreditsAttempted": 3.0,
        "CreditsEarned": 3.0,
        "GPACreditsAttempted": 2.5,
        "GPACreditsEarned": 2.5,
        "GPAGradePoints": 12.0,
        "GPA": 4.0,
        "DaysAbsent": 0,
        "DaysPresent": 85
      }
    ]
  },
  "AcademicPerformanceSummary": {
    "TotalCreditsAttempted": 27.3,
    "TotalCreditsEarned": 27.3,
    "CumulativeGPACreditsEarned": 22.5,
    "CumulativeGradePoints": 94.0,
    "CumulativeGPA": 4.0,
    "ClassRank": 1,
    "ClassTotalNumber": 250,
    "ClassRankingDate": "2002-06-01",
    "ProjectedGraduationDate": "2002-06-05"
  },
  "AssessmentPerformanceHistory": {
    "Assessment": [
```

```
      {
        "Name": "WASL",
        "AdministrationDate": "2002-01-02",
        "Level": "4",
        "StudentGradeLevelWhenAssessed": {
          "Code": {
            "value": "12"
          }
        },
        "SubtestCategory": "Reading",
        "TestScoreType": {
          "value": "0512"
        },
        "TestScore": "SCHOLAR"
      },
      {
        "Name": "WASL",
        "AdministrationDate": "2002-01-02",
        "Level": "1",
        "StudentGradeLevelWhenAssessed": {
          "Code": {
            "value": "12"
          }
        },
        "SubtestCategory": "Writing",
        "TestScoreType": {
          "value": "0512"
        },
        "TestScore": "NOT MET"
      }
    ]
  },
  "AdditionalGraduationRequirementPerformanceHistory": {
    "Requirement": [
      {
        "Name": "WASL Cert Acad Achievement",
        "Status": {
          "value": "Met"
        },
        "StatusDeterminationDate": "2002-06-01"
      },
      {
        "Name": "High School & Beyond Plan",
        "Method": "",
        "Status": {
          "value": "Not Met"
        },
        "StatusDeterminationDate": "2002-06-01"
      }
    ]
  },
  "ActivityAwardHistory": {
    "ActivityAward": [
      {
        "Name": "Computer club",
        "InvolvementCode": {
          "value": "0701"
        },
        "InvolvementBeginningDate": "2001-09-01",
        "InvolvementEndingDate": "2002-06-30"
      }
    ]
  }
 }
}
```


XML

```
<StudentAcademicRecord RefId="D932E34082D04C048112729922B58A93" SIF_RefObject="StudentRecordExchange" SIF_RefId="0EAF9D6DA4854F348103B04BFEAC65B2">
  <ReportingDate>2006-09-26</ReportingDate>
  <StudentSchoolEnrollmentData SchoolAttendedRefId="39FA2714A63543B0A7732796825E9C68">
    <GradeLevel>
      <Code>12</Code>
    </GradeLevel>
  </StudentSchoolEnrollmentData>
  <DistrictEntryDate>2003-09-01</DistrictEntryDate>
  <SchoolAttendanceHistory>
    <SchoolAttended RefId="39FA2714A63543B0A7732796825E9C67">
      <SchoolInfoData>
        <LocalId>43</LocalId>
        <StateProvinceId>389</StateProvinceId>
        <SchoolName>Thomas Jefferson HS</SchoolName>
        <GradeLevels>
          <GradeLevel>
            <Code>09</Code>
          </GradeLevel>
          <GradeLevel>
            <Code>10</Code>
          </GradeLevel>
          <GradeLevel>
            <Code>11</Code>
          </GradeLevel>
          <GradeLevel>
            <Code>12</Code>
          </GradeLevel>
        </GradeLevels>
      </SchoolInfoData>
      <MarkingSystems>
        <MarkValueInfoData RefId="DBA34A13FF234C7994AAE13D89DA9A50">
          <Name>Letter Grades</Name>
          <Letter>
            <ValidMark>
              <Code>A</Code>
              <NumericEquivalent>4.0</NumericEquivalent>
            </ValidMark>
            <ValidMark>
              <Code>A-</Code>
              <NumericEquivalent>3.7</NumericEquivalent>
            </ValidMark>
            <ValidMark>
              <Code>B+</Code>
              <NumericEquivalent>3.2</NumericEquivalent>
            </ValidMark>
            <ValidMark>
              <Code>B</Code>
              <NumericEquivalent>3.0</NumericEquivalent>
            </ValidMark>
            <ValidMark>
              <Code>B-</Code>
              <NumericEquivalent>2.7</NumericEquivalent>
            </ValidMark>
            <ValidMark>
              <Code>C+</Code>
              <NumericEquivalent>2.8</NumericEquivalent>
            </ValidMark>
            <ValidMark>
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              <NumericEquivalent>2.0</NumericEquivalent>
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            <ValidMark>
              <Code>C-</Code>
              <NumericEquivalent>1.7</NumericEquivalent>
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            <ValidMark>
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            </ValidMark>
            <ValidMark>
              <Code>F</Code>
              <NumericEquivalent>0.0</NumericEquivalent>
            </ValidMark>
          </Letter>
        </MarkValueInfoData>
      </MarkingSystems>
    </SchoolAttended>
    <SchoolAttended RefId="39FA2714A63543B0A7732796825E9C68">
      <LEAInfoData>
        <LEAName>Everett School District</LEAName>
      </LEAInfoData>
      <SchoolInfoData>
        <LocalId>44</LocalId>
        <StateProvinceId>390</StateProvinceId>
        <SchoolName>Everett HS</SchoolName>
        <AddressList>
          <Address Type="0123">
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              <Line1>2416 Colby Ave</Line1>
            </Street>
            <City>Everett</City>
            <StateProvince>WA</StateProvince>
            <Country>US</Country>
            <PostalCode>98201</PostalCode>
          </Address>
        </AddressList>
        <GradeLevels>
          <GradeLevel>
            <Code>09</Code>
          </GradeLevel>
          <GradeLevel>
            <Code>10</Code>
          </GradeLevel>
          <GradeLevel>
            <Code>11</Code>
          </GradeLevel>
          <GradeLevel>
            <Code>12</Code>
          </GradeLevel>
        </GradeLevels>
      </SchoolInfoData>
      <MarkingSystems>
        <MarkValueInfoData RefId="FBE50CCA156741F389D916B89923DFFE">
          <Name>Letter Grades</Name>
          <Letter>
            <ValidMark>
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              <NumericEquivalent>4.0</NumericEquivalent>
            </ValidMark>
            <ValidMark>
              <Code>A-</Code>
              <NumericEquivalent>3.7</NumericEquivalent>
            </ValidMark>
            <ValidMark>
```

```
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            <NumericEquivalent>3.2</NumericEquivalent>
          </ValidMark>
          <ValidMark>
            <Code>B</Code>
            <NumericEquivalent>3.0</NumericEquivalent>
          </ValidMark>
          <ValidMark>
            <Code>B-</Code>
            <NumericEquivalent>2.7</NumericEquivalent>
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            <Code>C+</Code>
            <NumericEquivalent>2.8</NumericEquivalent>
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          <ValidMark>
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            <NumericEquivalent>2.0</NumericEquivalent>
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          <ValidMark>
            <Code>F</Code>
            <NumericEquivalent>0.0</NumericEquivalent>
          </ValidMark>
        </Letter>
      </MarkValueInfoData>
    </MarkingSystems>
  </SchoolAttended>
  <SchoolAttended RefId="39FA2714A63543B0A7732796825E9C69">
    <SchoolInfoData>
      <LocalId>45</LocalId>
      <StateProvinceId>391</StateProvinceId>
      <NCESId />
      <SchoolName>Thomas Alva Edison HS</SchoolName>
      <GradeLevels>
        <GradeLevel>
          <Code>09</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>10</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>11</Code>
        </GradeLevel>
        <GradeLevel>
          <Code>12</Code>
        </GradeLevel>
      </GradeLevels>
    </SchoolInfoData>
  </SchoolAttended>
</SchoolAttendanceHistory>
<EnrollmentHistory>
  <StudentSchoolEnrollmentData SchoolAttendedRefId="39FA2714A63543B0A7732796825E9C67">
    <SchoolYear>1998</SchoolYear>
    <EntryDate>1997-09-01</EntryDate>
    <ExitDate>1998-06-30</ExitDate>
  </StudentSchoolEnrollmentData>
  <StudentSchoolEnrollmentData SchoolAttendedRefId="39FA2714A63543B0A7732796825E9C68">
    <SchoolYear>1999</SchoolYear>
    <EntryDate>1998-09-01</EntryDate>
    <ExitDate>1999-06-30</ExitDate>
  </StudentSchoolEnrollmentData>
  <StudentSchoolEnrollmentData SchoolAttendedRefId="39FA2714A63543B0A7732796825E9C69">
    <SchoolYear>2000</SchoolYear>
    <EntryDate>1999-09-01</EntryDate>
    <ExitDate>2000-06-30</ExitDate>
  </StudentSchoolEnrollmentData>
  <StudentSchoolEnrollmentData SchoolAttendedRefId="39FA2714A63543B0A7732796825E9C68">
    <SchoolYear>2002</SchoolYear>
    <EntryDate>2001-09-01</EntryDate>
  </StudentSchoolEnrollmentData>
</EnrollmentHistory>
<CourseHistory>
  <Term>
    <TermInfoData SchoolAttendedRefId="39FA2714A63543B0A7732796825E9C67">
      <SchoolYear>1998</SchoolYear>
      <StartDate>1997-09-01</StartDate>
      <EndDate>1998-03-30</EndDate>
    </TermInfoData>
    <Courses>
      <Course>
        <SchoolCourseInfoData>
          <CourseCode>ENG031</CourseCode>
          <CourseTitle>Grammar</CourseTitle>
        </SchoolCourseInfoData>
        <StartDate>1997-09-01</StartDate>
        <EndDate>1998-03-30</EndDate>
        <MarkingPeriods>
          <MarkingPeriod>
            <GradeLevelWhenTaken>
              <Code>09</Code>
            </GradeLevelWhenTaken>
            <MarkData MarkValueInfoDataRefId="DBA34A13FF234C7994AAE13D89DA9A50">
              <Letter>A</Letter>
            </MarkData>
            <CourseCreditsAttempted>0.50</CourseCreditsAttempted>
            <CourseCreditsEarned>0.50</CourseCreditsEarned>
            <DaysAbsent>0</DaysAbsent>
            <DaysPresent>85</DaysPresent>
          </MarkingPeriod>
        </MarkingPeriods>
      </Course>
      <!-- ... -->
    </Courses>
  </Term>
  <!-- ... -->
</CourseHistory>
<AcademicPerformanceHistory>
  <TermPerformance>
    <TermInfoData>
      <EndDate>1998-03-31</EndDate>
    </TermInfoData>
    <GradeLevelWhenTaken>
      <Code>09</Code>
    </GradeLevelWhenTaken>
    <CreditsAttempted>3.0</CreditsAttempted>
    <CreditsEarned>3.0</CreditsEarned>
    <GPACreditsAttempted>3.0</GPACreditsAttempted>
```

```
      <GPACreditsEarned>3.0</GPACreditsEarned>
      <GPAGradePoints>12.0</GPAGradePoints>
      <GPA>4.00</GPA>
      <DaysAbsent>0</DaysAbsent>
      <DaysPresent>85</DaysPresent>
    </TermPerformance>
    <TermPerformance>
      <TermInfoData>
        <EndDate>1998-06-30</EndDate>
      </TermInfoData>
      <GradeLevelWhenTaken>
        <Code>09</Code>
      </GradeLevelWhenTaken>
      <CreditsAttempted>3.5</CreditsAttempted>
      <CreditsEarned>3.5</CreditsEarned>
      <GPACreditsAttempted>3.5</GPACreditsAttempted>
      <GPACreditsEarned>3.5</GPACreditsEarned>
      <GPAGradePoints>12.0</GPAGradePoints>
      <GPA>4.00</GPA>
      <DaysAbsent>0</DaysAbsent>
      <DaysPresent>85</DaysPresent>
    </TermPerformance>
    <TermPerformance>
      <TermInfoData>
        <EndDate>1999-01-31</EndDate>
      </TermInfoData>
      <GradeLevelWhenTaken>
        <Code>09</Code>
      </GradeLevelWhenTaken>
      <CreditsAttempted>3.0</CreditsAttempted>
      <CreditsEarned>3.0</CreditsEarned>
      <GPACreditsAttempted>2.5</GPACreditsAttempted>
      <GPACreditsEarned>2.5</GPACreditsEarned>
      <GPAGradePoints>12.0</GPAGradePoints>
      <GPA>4.00</GPA>
      <DaysAbsent>0</DaysAbsent>
      <DaysPresent>85</DaysPresent>
    </TermPerformance>
    <!-- ... -->
  </AcademicPerformanceHistory>
  <AcademicPerformanceSummary>
    <TotalCreditsAttempted>27.3</TotalCreditsAttempted>
    <TotalCreditsEarned>27.3</TotalCreditsEarned>
    <CumulativeGPACreditsEarned>22.5</CumulativeGPACreditsEarned>
    <CumulativeGradePoints>94.0</CumulativeGradePoints>
    <CumulativeGPA>4.000</CumulativeGPA>
    <ClassRank>1</ClassRank>
    <ClassTotalNumber>250</ClassTotalNumber>
    <ClassRankingDate>2002-06-01</ClassRankingDate>
    <ProjectedGraduationDate>2002-06-05</ProjectedGraduationDate>
  </AcademicPerformanceSummary>
  <AssessmentPerformanceHistory>
    <Assessment>
      <Name>WASL</Name>
      <AdministrationDate>2002-01-02</AdministrationDate>
      <Level>4</Level>
      <StudentGradeLevelWhenAssessed>
        <Code>12</Code>
      </StudentGradeLevelWhenAssessed>
      <SubtestCategory>Reading</SubtestCategory>
      <TestScoreType>0512</TestScoreType>
      <TestScore>SCHOLAR</TestScore>
    </Assessment>
    <Assessment>
      <Name>WASL</Name>
      <AdministrationDate>2002-01-02</AdministrationDate>
      <Level>1</Level>
      <StudentGradeLevelWhenAssessed>
        <Code>12</Code>
      </StudentGradeLevelWhenAssessed>
      <SubtestCategory>Writing</SubtestCategory>
      <TestScoreType>0512</TestScoreType>
      <TestScore>NOT MET</TestScore>
    </Assessment>
    <!-- ... -->
  </AssessmentPerformanceHistory>
  <AdditionalGraduationRequirementPerformanceHistory>
    <Requirement>
      <Name>WASL Cert Acad Achievement</Name>
      <Status>Met</Status>
      <StatusDeterminationDate>2002-06-01</StatusDeterminationDate>
    </Requirement>
    <Requirement>
      <Name>High School &amp;amp; Beyond Plan</Name>
      <Method />
      <Status>Not Met</Status>
      <StatusDeterminationDate>2002-06-01</StatusDeterminationDate>
    </Requirement>
    <!-- ... -->
  </AdditionalGraduationRequirementPerformanceHistory>
  <ActivityAwardHistory>
    <ActivityAward>
      <Name>Computer club</Name>
      <InvolvementCode>0701</InvolvementCode>
      <InvolvementBeginningDate>2001-09-01</InvolvementBeginningDate>
      <InvolvementEndingDate>2002-06-30</InvolvementEndingDate>
    </ActivityAward>
    <!-- ... -->
  </ActivityAwardHistory>
</StudentAcademicRecord>
```

Example 3.17.3-1: StudentAcademicRecord - Example 1

JSON

```
{
  "StudentAcademicRecord": {
    "RefId": "D932E34082D04C048112729922B58A93",
    "SIF_RefObject": "StudentRecordExchange",
    "SIF_RefId": "0EAF9D6DA4854F348103B04BFEAC65B2",
    "ReportingDate": "2010-07-15",
    "StudentSchoolEnrollmentData": {
      "SchoolAttendedRefId": "140902170B360F35140071CD92A52A4A",
      "GradeLevel": {
        "Code": {
          "value": "12"
        }
      },
      "Counselor": {
        "StaffPersonalData": {
          "Name": {
            "Type": "04",
            "LastName": "Reese",
            "FirstName": "Beth",
            "FullName": "Beth Reese"
          }
        }
      }
    },
    "SchoolAttendanceHistory": {
      "SchoolAttended": [
        {
          "RefId": "140902170B360F35140071CD92A52A4A",
          "LEAInfoData": {
            "StateProvinceId": "123456",
            "LEAName": "Botetourt County"
          },
          "SchoolInfoData": {
            "LocalId": "440",
            "StateProvinceId": "654321",
            "SchoolName": "Lord Botetourt High School",
            "SchoolURL": "http://sites.google.com/a/bcps.k12.va.us/lord-botetourte-high-school",
            "SchoolContactList": "\n          \n        ",
            "AddressList": {
              "Address": [
                {
                  "Type": "0123",
                  "value": "\n            \n          "
                },
                {
                  "Type": "0765",
                  "value": "\n            \n          "
                }
              ]
            },
            "PhoneNumberList": {
              "PhoneNumber": [
                {
                  "Type": "0096",
                  "Number": "703-444-5600"
                },
                {
                  "Type": "2364",
                  "Number": "703-555-5555"
                }
              ]
            },
            "SIF_ExtendedElements": {
              "SIF_ExtendedElement": [
                {
                  "Name": "SchoolEmail",
                  "value": "ABSmith@bcps.k12.va"
                }
              ]
            }
          },
          "MarkingSystems": {
            "MarkValueInfoData": [
              {
                "RefId": "9BA91E6D97A94933BA2A7D070881D2A3",
                "value": "\n          \n        "
              }
            ]
          }
        }
      ]
    },
    "CourseHistory": {
      "Term": [
        {
          "TermInfoData": {
            "SchoolAttendedRefId": "140902170C0227005A532E65ED069555",
            "SchoolYear": "2010"
          },
          "Courses": {
            "Course": [
              {
                "SchoolCourseInfoData": {
                  "CourseCode": "1109",
                  "NationalCourseCode": "010011IB1130",
                  "CourseTitle": "English 6"
                },
                "MarkingPeriods": {
                  "MarkingPeriod": [
                    {
                      "TermInfoData": {
                        "TermSpan": {
                          "Code": {
                            "value": "0828"
                          },
                          "OtherCodeList": {
                            "OtherCode": [
                              {
                                "Codeset": "StateProvince",
                                "value": "FG"
                              },
                              {
                                "Codeset": "Other",
                                "value": "8156"
                              }
                            ]
                          }
                        }
                      },
                      "GradeLevelWhenTaken": {
                        "Code": {
                          "value": "06"
                        }
                      },
                      "MarkData": {
                        "MarkValueInfoDataRefId": "66C178304ECB4A8E8FA0A54B7ED4026A",
                        "NumericAsDecimal": 0.5
                      },
                      "CourseCreditsAttempted": 0,
                      "CourseCreditsEarned": 1,
                      "SIF_ExtendedElements": {
                        "SIF_ExtendedElement": [
```

```
                    {
                      "Name": "VA_Verified_Credit_Earned",
                      "value": "1"
                    },
                    {
                      "Name": "CourseCreditBasis",
                      "value": "CreditByExam"
                    }
                  ]
                }
              }
            ]
          },
          "SIF_ExtendedElements": {
            "SIF_ExtendedElement": [
              {
                "Name": "APCourse",
                "value": "No"
              },
              {
                "Name": "AcceleratedCourse",
                "value": "Yes"
              },
              {
                "Name": "IBCourse",
                "value": "No"
              },
              {
                "Name": "DualEnrollmentCourse",
                "value": "Yes"
              },
              {
                "Name": "HonorsCourse",
                "value": "No"
              },
              {
                "Name": "SummerCourse",
                "value": "No"
              }
            ]
          }
        }
      ]
    }
  }
 ]
},
"AcademicPerformanceHistory": {
  "TermPerformance": [
    {
      "TermInfoData": {
        "SchoolYear": "2009"
      },
      "DaysAbsent": 6,
      "SIF_ExtendedElements": {
        "SIF_ExtendedElement": [
          {
            "Name": "TermUnexcusedDaysAbent",
            "value": "3"
          }
        ]
      }
    },
    {
      "TermInfoData": {
        "SchoolYear": "2010"
      },
      "DaysAbsent": 2,
      "SIF_ExtendedElements": {
        "SIF_ExtendedElement": [
          {
            "Name": "TermUnexcusedDaysAbent",
            "value": "3"
          }
        ]
      }
    },
    {
      "TermInfoData": {
        "SchoolYear": "2011"
      },
      "DaysAbsent": 4
    }
  ]
},
"AcademicPerformanceSummary": {
  "CumulativeGPA": 3.5,
  "ClassRank": 17,
  "ClassTotalNumber": 145,
  "GraduationDate": "2011-06-30",
  "GraduationDiplomaType": "2",
  "SIF_ExtendedElements": {
    "SIF_ExtendedElement": [
      {
        "Name": "RankTermBasis",
        "value": "4"
      }
    ]
  }
},
"AssessmentPerformanceHistory": {
  "Assessment": [
    {
      "Name": "Industry Certification",
      "AdministrationDate": "2010-03-31",
      "SubtestCategory": "Welding",
      "TestScore": "99"
    },
    {
      "Name": "Industry Certification",
      "AdministrationDate": "2010-03-31",
      "SubtestCategory": "Carpentry",
      "TestScore": "PASS"
    },
    {
      "Name": "Industry Certification",
      "AdministrationDate": "2010-03-31",
      "SubtestCategory": "MSSC",
      "TestScore": "0",
      "SIF_ExtendedElements": {
        "SIF_ExtendedElement": [
          {
            "Name": "ScoreNotReportedReason",
            "value": "3"
          }
        ]
      }
    }
  ]
},
"ActivityAwardHistory": {
  "ActivityAward": [
    {
```

"Name": "Carpentry Certification Completion",
"InvolvementEndingDate": "2010-03-31",
"SIF_ExtendedElements": {
"SIF_ExtendedElement": [
{
"Name": "GovernorRecognition",
"value": "No"
}
]
}
}
]
}
}
}

XML

```
<StudentAcademicRecord RefId="D932E34082D04C048112729922B58A93" SIF_RefObject="StudentRecordExchange" SIF_RefId="0EAF9D6DA4854F348103B04BFEAC65B2">
  <ReportingDate>2010-07-15</ReportingDate>
  <StudentSchoolEnrollmentData SchoolAttendedRefId="140902170B360F35140071CD92A52A4A">
    <GradeLevel>
      <Code>12</Code>
    </GradeLevel>
    <Counselor>
      <StaffPersonalData>
        <Name Type="04">
          <LastName>Reese</LastName>
          <FirstName>Beth</FirstName>
          <FullName>Beth Reese</FullName>
        </Name>
      </StaffPersonalData>
    </Counselor>
  </StudentSchoolEnrollmentData>
  <SchoolAttendanceHistory>
    <SchoolAttended RefId="140902170B360F35140071CD92A52A4A">
      <LEAInfoData>
        <StateProvinceId>123456</StateProvinceId>
        <LEAName>Botetourt County</LEAName>
      </LEAInfoData>
      <SchoolInfoData>
        <LocalId>440</LocalId>
        <StateProvinceId>654321</StateProvinceId>
        <SchoolName>Lord Botetourt High School</SchoolName>
        <SchoolURL>http://sites.google.com/a/bcps.k12.va.us/lord-botetourte-high-school</SchoolURL>
        <SchoolContactList>
          <!-- ... -->
        </SchoolContactList>
        <AddressList>
          <Address Type="0123">
            <!-- ... -->
          </Address>
          <Address Type="0765">
            <!-- ... -->
          </Address>
        </AddressList>
        <PhoneNumberList>
          <PhoneNumber Type="0096">
            <Number>703-444-5600</Number>
          </PhoneNumber>
          <PhoneNumber Type="2364">
            <Number>703-555-5555</Number>
          </PhoneNumber>
        </PhoneNumberList>
        <SIF_ExtendedElements>
          <SIF_ExtendedElement Name="SchoolEmail">ABSmith@bcps.k12.va</SIF_ExtendedElement>
        </SIF_ExtendedElements>
      </SchoolInfoData>
      <MarkingSystems>
        <MarkValueInfoData RefId="9BA91E6D97A94933BA2A7D070881D2A3">
          <!-- ... -->
        </MarkValueInfoData>
      </MarkingSystems>
    </SchoolAttended>
  </SchoolAttendanceHistory>
  <CourseHistory>
    <Term>
      <TermInfoData SchoolAttendedRefId="140902170C0227005A532E65ED069555">
        <SchoolYear>2010</SchoolYear>
      </TermInfoData>
      <Courses>
        <Course>
          <SchoolCourseInfoData>
            <CourseCode>1109</CourseCode>
            <NationalCourseCode>010011IB1130</NationalCourseCode>
            <CourseTitle>English 6</CourseTitle>
          </SchoolCourseInfoData>
          <MarkingPeriods>
            <MarkingPeriod>
              <TermInfoData>
                <TermSpan>
                  <Code>0828</Code>
                  <OtherCodeList>
                    <OtherCode Codeset="StateProvince">FG</OtherCode>
                    <OtherCode Codeset="Other">8156</OtherCode>
                  </OtherCodeList>
                </TermSpan>
              </TermInfoData>
              <GradeLevelWhenTaken>
                <Code>06</Code>
              </GradeLevelWhenTaken>
              <MarkData MarkValueInfoDataRefId="66C178304ECB4A8E8FA0A54B7ED4026A">
                <!--Letter>C</Letter>-->
                <!--Numeric>5</Numeric>  to be deprecated  <Quality Points -->
                <NumericAsDecimal>0.5</NumericAsDecimal>
                <!-- Quality Points -->
              </MarkData>
              <CourseCreditsAttempted>0</CourseCreditsAttempted>
              <CourseCreditsEarned>1</CourseCreditsEarned>
              <SIF_ExtendedElements>
                <SIF_ExtendedElement Name="VA_Verified_Credit_Earned">1</SIF_ExtendedElement>
                <SIF_ExtendedElement Name="CourseCreditBasis">CreditByExam</SIF_ExtendedElement>
              </SIF_ExtendedElements>
            </MarkingPeriod>
          </MarkingPeriods>
          <SIF_ExtendedElements>
            <SIF_ExtendedElement Name="APCourse">No</SIF_ExtendedElement>
            <SIF_ExtendedElement Name="AcceleratedCourse">Yes</SIF_ExtendedElement>
            <SIF_ExtendedElement Name="IBCourse">No</SIF_ExtendedElement>
            <SIF_ExtendedElement Name="DualEnrollmentCourse">Yes</SIF_ExtendedElement>
            <SIF_ExtendedElement Name="HonorsCourse">No</SIF_ExtendedElement>
            <SIF_ExtendedElement Name="SummerCourse">No</SIF_ExtendedElement>
          </SIF_ExtendedElements>
        </Course>
      </Courses>
    </Term>
  </CourseHistory>
  <AcademicPerformanceHistory>
    <TermPerformance>
      <TermInfoData>
        <SchoolYear>2009</SchoolYear>
      </TermInfoData>
      <DaysAbsent>6</DaysAbsent>
      <SIF_ExtendedElements>
        <SIF_ExtendedElement Name="TermUnexcusedDaysAbent">3</SIF_ExtendedElement>
      </SIF_ExtendedElements>
    </TermPerformance>
    <TermPerformance>
      <TermInfoData>
        <SchoolYear>2010</SchoolYear>
      </TermInfoData>
      <DaysAbsent>2</DaysAbsent>
      <SIF_ExtendedElements>
        <SIF_ExtendedElement Name="TermUnexcusedDaysAbent">3</SIF_ExtendedElement>
      </SIF_ExtendedElements>
    </TermPerformance>
    <TermPerformance>
      <TermInfoData>
        <SchoolYear>2011</SchoolYear>
      </TermInfoData>
```

```
    <DaysAbsent>4</DaysAbsent>
  </TermPerformance>
</AcademicPerformanceHistory>
<AcademicPerformanceSummary>
  <CumulativeGPA>3.5</CumulativeGPA>
  <ClassRank>17</ClassRank>
  <ClassTotalNumber>145</ClassTotalNumber>
  <GraduationDate>2011-06-30</GraduationDate>
  <GraduationDiplomaType>2</GraduationDiplomaType>
  <SIF_ExtendedElements>
    <SIF_ExtendedElement Name="RankTermBasis">4</SIF_ExtendedElement>
  </SIF_ExtendedElements>
</AcademicPerformanceSummary>
<AssessmentPerformanceHistory>
  <Assessment>
    <Name>Industry Certification</Name>
    <AdministrationDate>2010-03-31</AdministrationDate>
    <SubtestCategory>Welding</SubtestCategory>
    <TestScore>99</TestScore>
  </Assessment>
  <Assessment>
    <Name>Industry Certification</Name>
    <AdministrationDate>2010-03-31</AdministrationDate>
    <SubtestCategory>Carpentry</SubtestCategory>
    <TestScore>PASS</TestScore>
  </Assessment>
  <Assessment>
    <Name>Industry Certification</Name>
    <AdministrationDate>2010-03-31</AdministrationDate>
    <SubtestCategory>MSSC</SubtestCategory>
    <TestScore>0</TestScore>
    <SIF_ExtendedElements>
      <SIF_ExtendedElement Name="ScoreNotReportedReason">3</SIF_ExtendedElement>
    </SIF_ExtendedElements>
  </Assessment>
</AssessmentPerformanceHistory>
<ActivityAwardHistory>
  <ActivityAward>
    <Name>Carpentry Certification Completion</Name>
    <InvolvementEndingDate>2010-03-31</InvolvementEndingDate>
    <SIF_ExtendedElements>
      <SIF_ExtendedElement Name="GovernorRecognition">No</SIF_ExtendedElement>
    </SIF_ExtendedElements>
  </ActivityAward>
</ActivityAwardHistory>
</StudentAcademicRecord>
```

Example 3.17.3-2: StudentAcademicRecord - Example 2

3.17.4 StudentSpecialEducationRecord

Conveys a student's special education program information for student record exchange.

This object is designed to be a dual-purpose object. It can be linked to a `StudentRecordExchange` object for record exchange purposes. There may also be Zones where systems can provide this information for record exchange systems or general informational purposes, in which case the object can be linked directly to `StudentPersonal`.

SIF_Events are not reported for this object.

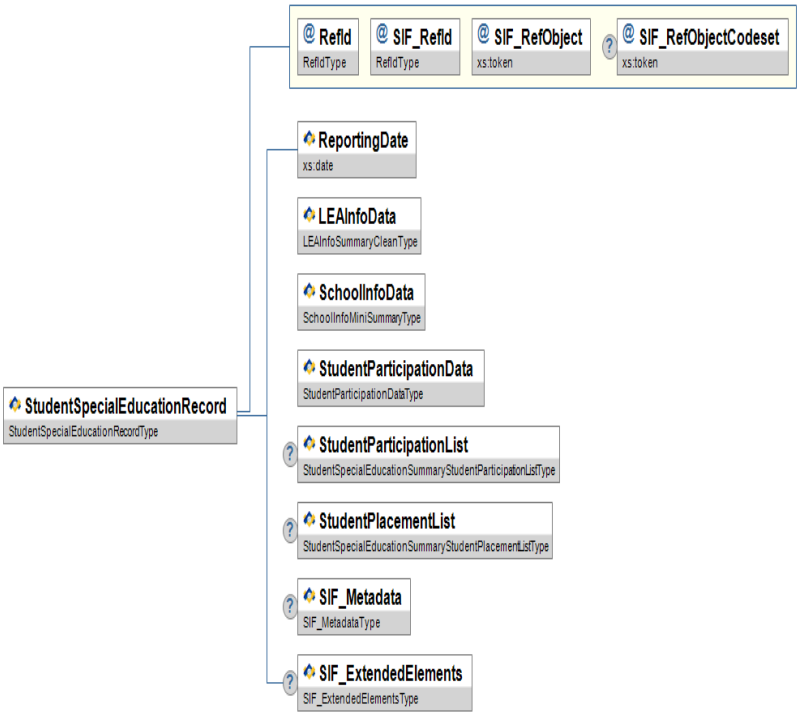

Figure 3.17.4-1: StudentSpecialEducationRecord

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSpecialEducationRecord			Conveys a student's special education program information for student record exchange. This object is designed to be a dual-purpose object. It can be linked to a `StudentRecordExchange` object for record exchange purposes. There may also be Zones where systems can provide this information for record exchange systems or general informational purposes, in which case the object can be linked directly to `StudentPersonal`.	
@ 🔑	RefId	M		The Id (GUID) of this record.	`RefIdType`
@	SIF_RefId	M		The GUID of an associated object, either `StudentRecordExchange` or `StudentPersonal`.	`RefIdType`
@	SIF_RefObject	M		The associated object type.	`xs:token`
@	SIF_RefObjectCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	`xs:token`
	ReportingDate	M		The date this record was prepared.	`xs:date`
	LEAInfoData	M		Identifies the LEA of the "school of record" for the student's information.	`LEAInfoSummaryCleanType`
	SchoolInfoData	M		Identifies the "school of record" responsible for maintaining the student's information.	`SchoolInfoMiniSummaryType`
	StudentParticipationData	M		Collects elements of interest from StudentParticipation.	`StudentParticipationDataType`
	StudentParticipationList	O			`StudentSpecialEducationSummaryStudentParticipationListType`
	StudentPlacementList	O		This list contains information that describes each specific instructional, related or transitional service that has been prescribed or recommended in the program plan developed for a student who has been placed in an individualized special program.	`StudentSpecialEducationSummaryStudentPlacementListType`
	SIF_Metadata	O			`SIF_MetadataType`
	SIF_ExtendedElements	O			`SIF_ExtendedElementsType`

Table 3.17.4-1: StudentSpecialEducationRecord

3.17.5 StudentRecordPackage

Wraps content or a record not defined by SIF but that is part of a student's records.

This object is designed to be a dual-purpose object. It can be linked to a `StudentRecordExchange` object for record exchange purposes. There may also be Zones where systems can provide this information for record exchange systems or general informational purposes, in which case the object can be linked directly to `StudentPersonal`.

Note: With SIF Implementation Specification version 2.4 the choice element depicted in the diagram below has changed. In the XSD files, the choice element used to be rendered as a sequence of optional elements. Now, in the XSD files, the choice element is rendered as an xs:choice. This may cause problems with agents that treat the choice element as two optional elements rather than a choice of one and only one of the choices.

SIF_Events are not reported for this object.

Figure 3.17.5-1: StudentRecordPackage

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentRecordPackage			Wraps content or a record not defined by SIF but that is part of a student's records. This object is designed to be a dual-purpose object. It can be linked to a `StudentRecordExchange` object for record exchange purposes. There may also be Zones where systems can provide this information for record exchange systems or general informational purposes, in which case the object can be linked directly to `StudentPersonal`. Note: With SIF Implementation Specification version 2.4 the choice element depicted in the diagram below has changed. In the XSD files, the choice element used to be rendered as a sequence of optional elements. Now, in the XSD files, the choice element is rendered as an xs:choice. This may cause problems with agents that treat the choice element as two optional elements rather than a choice of one and only one of the choices.	Extension of `StudentRecordPackageAbstractContentPackageType`
@	RefId	M		The GUID that uniquely identifies an instance of the package.	`RefIdType`
@	SIF_RefId	M		The GUID of an associated object, either `StudentRecordExchange` or `StudentPersonal`.	`RefIdType`
@	SIF_RefObject	M		The associated object type.	`xs:token`
	XMLData	C		Contains an arbitary XML element, encoded in UTF-8.	`XMLDataType`
	TextData	C		Contains arbitrary text, encoded in UTF-8.	`TextDataType`
	BinaryData	C		Contains the base64Binary encoding of binary or text data not encoded in UTF-8.	`BinaryDataType`
	Reference	C		References external content via a URL.	`ReferenceType`

Table 3.17.5-1: StudentRecordPackage

JSON


```
{
  "StudentRecordPackage": {
    "RefId": "25FCD7C038E44E38A025FFD609B9D190",
    "SIF_RefId": "974C88A3892D4E398891403D26CD280C",
    "SIF_RefObject": "StudentRecordExchange",
    "BinaryData": {
      "MIMEType": "application/pdf",
      "FileName": "MSTranscript.pdf",
      "Description": "Middle School Transcript",
      "value": "\n        JVBERi0xLjQNJeLjz9MNCjYgMCBvYmo8PC9IWzUxNiAxNDJdL0xpbmVhcml6ZWQgMS9FIDQ1NzMv\n        TCA4NTAyL04gMS9PIDkvVCA4MzM2Pj4NZW5kb2Jq
    }
  }
}
```


XML

```
<StudentRecordPackage RefId="25FCD7C038E44E38A025FFD609B9D190" SIF_RefId="974C88A3892D4E398891403D26CD280C" SIF_RefObject="StudentRecordExchange">
  <BinaryData MIMEType="application/pdf" FileName="MSTranscript.pdf" Description="Middle School Transcript">
        JVBERi0xLjQNJeLjz9MNCjYgMCBvYmo8PC9IWzUxNiAxNDJdLOxpbmVhcml6ZWQgMS9FIDQ1NzMv
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```

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        YXQgRGlzdGlsbGVyIDYuMCBcKFdpbmRvd3NcKSkvQXV0aG9yKE1hcmsgUmVpY2hlcnQpPj4NZW5k
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        MDAwMDQ2MDYgMDAwMDAgbg0KMDAwMDAwNDYyOSAwMDAwMCBuDQowMDAwMDA0Njc5IDAwMDAwIG4N
        CjAwMDAwMDgwOTUgMDAwMDAgbg0KdHJhaWxlcg0KPDwvU216ZSA2Pj4NCnN0YXJ0eHJlZg0KMTE2
        DQolJUVPRg0K
      </BinaryData>
</StudentRecordPackage>
```


Example 3.17.5-1: StudentRecordPackage

3.18 Transportation and Geographic Information Working Group

The goal of Transportation and Geographic Information Working Group is to provide the wealth of information currently locked in the transportation department to the rest of the school community, including transportation as well as geographic information for students.

3.18.1 BusEquipment

This object contains information about a type of equipment that may be on a bus. Examples include wheelchair, car seat, etc.

SIF_Events are reported for this object.

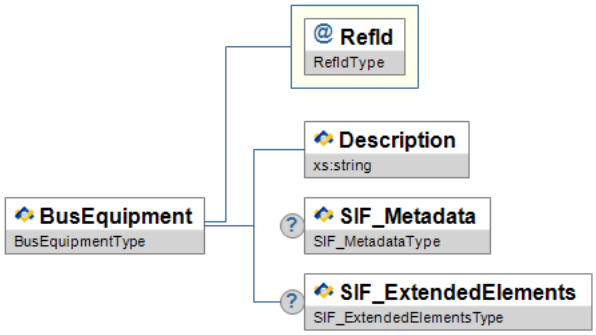

Figure 3.18.1-1: BusEquipment

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BusEquipment			This object contains information about a type of equipment that may be on a bus. Examples include wheelchair, car seat, etc.	
@	RefId	M		GUID that identifies this type of equipment.	RefIdType
	Description	M		Explanation about the type of equipment.	xs:string
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.18.1-1: BusEquipment

JSON


```
{
  "BusEquipment": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "Description": "Wheelchair"
  }
}
```


XML

```
<BusEquipment RefId="D3E34B359D75101A8C3D00AA001A1652">
  <Description>Wheelchair</Description>
</BusEquipment>
```

Example 3.18.1-1: BusEquipment

3.18.2 BusInfo

This object contains all of the information about a bus.

SIF_Events are reported for this object.

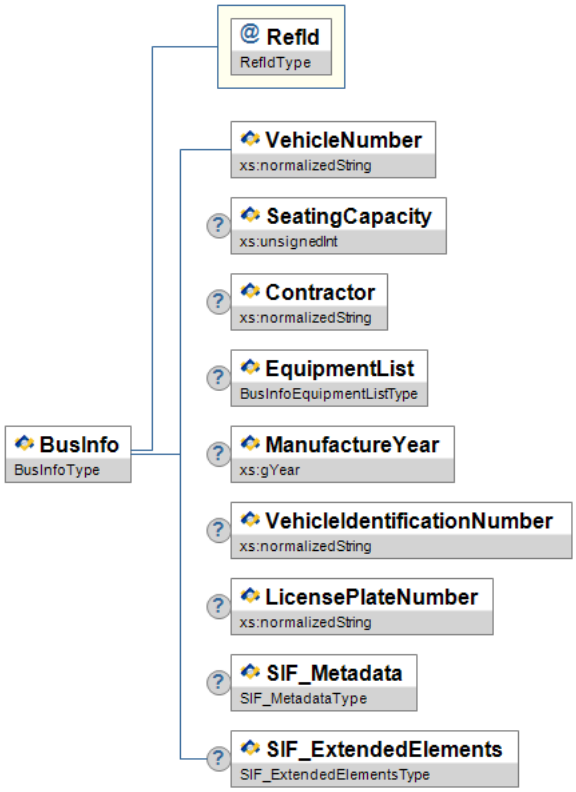

Figure 3.18.2-1: BusInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BusInfo			This object contains all of the information about a bus.	
@	RefId	M		GUID that identifies this bus.	RefIdType
	VehicleNumber	M		Vehicle number of the bus.	xs:normalizedString
	SeatingCapacity	O		The number of people who can ride on the bus at the same time.	xs:unsignedInt
	Contractor	O		The name of the contractor for this bus.	xs:normalizedString
	EquipmentList	O		Describes any special equipment that is on this bus.	BusInfoEquipmentListType
	ManufactureYear	O		The manufacture year of the bus (CCYY).	xs:gYear

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	VehicleIdentificationNumber	O		The Vehicle Identification Number (VIN) of the bus.	xs:normalizedString
	LicensePlateNumber	O		The vehicle's license plate number.	xs:normalizedString
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.18.2-1: BusInfo

JSON

```
{
  "BusInfo": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "VehicleNumber": "63",
    "SeatingCapacity": 71,
    "Contractor": "RYDER",
    "EquipmentList": {
      "Equipment": [
        {
          "BusEquipmentRefId": "E2F23A5323E87343B9A34BE457321E4A",
          "Count": 3
        },
        {
          "BusEquipmentRefId": "34BE45E87343B9A5323A73212F23E7B3",
          "Count": 4
        }
      ]
    },
    "ManufactureYear": "2001",
    "VehicleIdentificationNumber": "12333992AB",
    "LicensePlateNumber": "BLA254"
  }
}
```

XML

```
<BusInfo RefId="D3E34B359D75101A8C3D00AA001A1652">
  <VehicleNumber>63</VehicleNumber>
  <SeatingCapacity>71</SeatingCapacity>
  <Contractor>RYDER</Contractor>
  <EquipmentList>
    <Equipment>
      <BusEquipmentRefId>E2F23A5323E87343B9A34BE457321E4A</BusEquipmentRefId>
      <Count>3</Count>
    </Equipment>
    <Equipment>
      <BusEquipmentRefId>34BE45E87343B9A5323A73212F23E7B3</BusEquipmentRefId>
      <Count>4</Count>
    </Equipment>
  </EquipmentList>
  <ManufactureYear>2001</ManufactureYear>
  <VehicleIdentificationNumber>12333992AB</VehicleIdentificationNumber>
  <LicensePlateNumber>BLA254</LicensePlateNumber>
</BusInfo>
```

Example 3.18.2-1: BusInfo

3.18.3 BusPositionInfo

This object exposes telematics information to the zone.

SIF_Events are reported for this object.

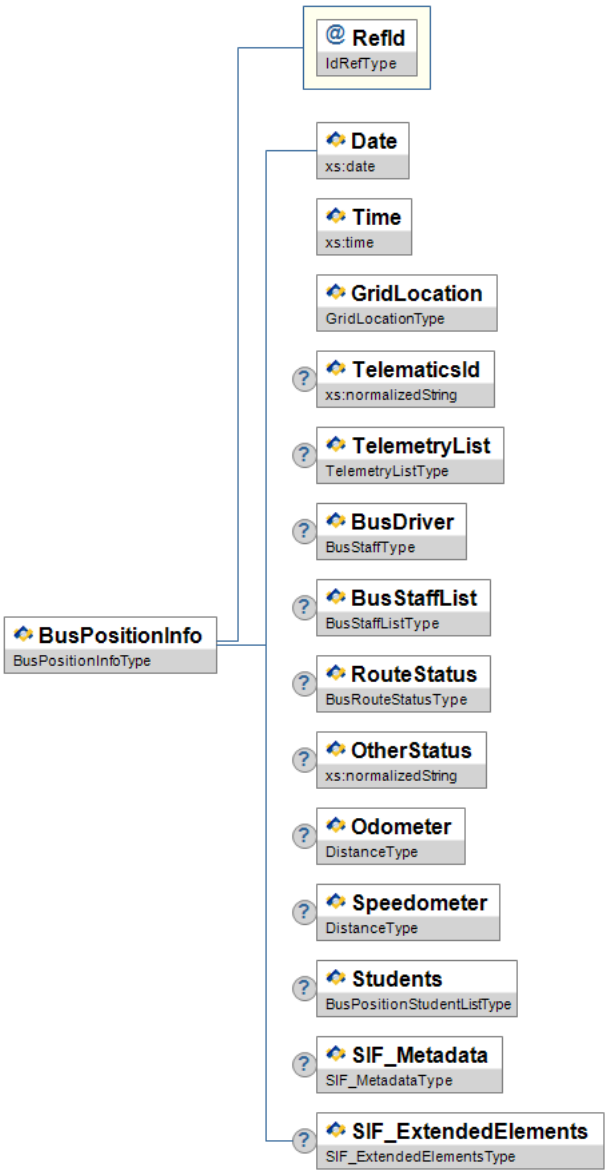

Figure 3.18.3-1: BusPositionInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BusPositionInfo			This object exposes telematics information to the zone.	
@	RefId	M		The GUID that identifies the bus. This object only has meaning as current data for this particular bus.	IdRefType
	Date	M		The date of the report from the bus.	xs:date
	Time	M		The time of the report from the bus.	xs:time
	GridLocation	M		The location of the bus.	GridLocationType
	TelematicsId	O		Id of the hardware unit on the bus that tracks and reports location and status. The interpretation of the content is deployment specific, but the format must be compact.	xs:normalizedString
	TelemetryList	O			TelemetryListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BusDriver	O		Information identifying the driver.	BusStaffType
	BusStaffList	O		List identifying other staff. This may include aides, nurses, proctors, etc.	BusStaffListType
	RouteStatus	C		If the bus is running a route, this element must be included in the object. Absence means the bus is not operating a route.	BusRouteStatusType
	OtherStatus	C		If the bus is not running a regularly scheduled route but is transporting (or positioning to transport) passengers as approved and directed by the school district, this element describes the activity. It's also used for maintenance, repair, and other authorized movements. This element is mutually exclusive with RouteStatus. Absence of both RouteStatus and OtherStatus is acceptable, but may indicate unauthorized operation. The following values are suggested to enhance interoperability, but the field is free-form. Suggested Values: Field Trip Sporting Event Support Services Maintenance Repair	xs:normalizedString
	Odometer	O		Current odometer reading.	DistanceType
	Speedometer	O		Current speedometer reading.	DistanceType
	Students	O		A list of students and their statuses. The complete list may be sent with some events (e.g. change in RouteStatus) per district policy, but it is more typical of responses.	BusPositionStudentListType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.18.3-1: BusPositionInfo

JSON

```
{
  "BusPositionInfo": {
    "RefId": "A2E35B359D75101A8C3D00AA001A0000",
    "Date": "2003-10-13",
    "Time": "13:39:12-08:00",
    "GridLocation": {
      "Latitude": 41.85,
      "Longitude": -87.65
    },
    "TelematicsId": "NexTel866-456-7890",
    "TelemetryList": {
      "Telemetry": [
        "Close"
      ]
    },
    "BusDriver": {
      "EmployeePersonalRefId": "BB0300099D75101A8C3D00AA001A0000",
      "Status": {
        "value": "Sched"
      }
    },
    "RouteStatus": {
      "BusRouteInfoRefId": "D3E34B359D75101A8C3D00AA001A1652",
      "Status": "Continue"
    },
    "Odometer": {
      "Unit": "km",
      "value": 100000.0
    },
    "Speedometer": {
      "Unit": "km",
      "value": 60
    },
    "Students": {
      "Student": [
        {
          "StudentPersonalRefId": "F3B35B359D75101A8C3D00AA001A0000",
          "Status": {
            "value": "Entered"
          }
        },
        {
          "StudentPersonalRefId": "A7E35B359D75101A8C3D00BB211A0000",
          "Status": {
            "value": "Entered"
          }
        },
        {
          "StudentPersonalRefId": "A9D35B359D75101A8C3D00AA001A9999",
          "Status": {
            "value": "Entered"
          }
        }
      ]
    }
  }
}
```


XML


```
<BusPositionInfo RefId="A2E35B359D75101A8C3D00AA001A0000">
  <Date>2003-10-13</Date>
  <Time>13:39:12-08:00</Time>
  <GridLocation>
    <Latitude>41.850000</Latitude>
    <Longitude>-87.650000</Longitude>
  </GridLocation>
  <TelematicsId>NexTel866-456-7890</TelematicsId>
  <TelemetryList>
    <Telemetry>Close</Telemetry>
  </TelemetryList>
  <BusDriver>
    <EmployeePersonalRefId>BB0300099D75101A8C3D00AA001A0000</EmployeePersonalRefId>
    <Status>Sched</Status>
  </BusDriver>
  <RouteStatus>
    <BusRouteInfoRefId>D3E34B359D75101A8C3D00AA001A1652</BusRouteInfoRefId>
    <Status>Continue</Status>
  </RouteStatus>
  <Odometer Unit="km">100000.0</Odometer>
  <Speedometer Unit="km">60</Speedometer>
  <Students>
    <Student>
      <StudentPersonalRefId>F3B35B359D75101A8C3D00AA001A0000</StudentPersonalRefId>
      <Status>Entered</Status>
    </Student>
    <Student>
      <StudentPersonalRefId>A7E35B359D75101A8C3D00BB211A0000</StudentPersonalRefId>
      <Status>Entered</Status>
    </Student>
    <Student>
      <StudentPersonalRefId>A9D35B359D75101A8C3D00AA001A9999</StudentPersonalRefId>
      <Status>Entered</Status>
    </Student>
  </Students>
</BusPositionInfo>
```


Example 3.18.3-1: BusPositionInfo

3.18.4 BusRouteDetail

This object contains the schedule for the bus route.

SIF_Events are reported for this object.

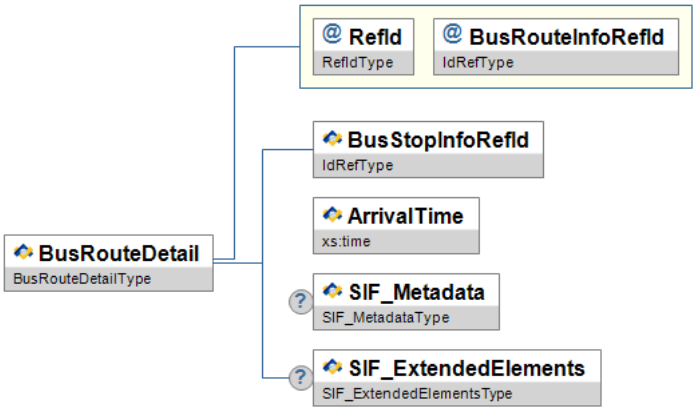

Figure 3.18.4-1: BusRouteDetail

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BusRouteDetail			This object contains the schedule for the bus route.	
@	RefId	M		GUID that identifies this object.	RefIdType
@	BusRouteInfoRefId	M		GUID that identifies the bus route.	IdRefType
	BusStopInfoRefId	M		GUID that identifies a bus stop on the route.	IdRefType
	ArrivalTime	M		The time that the bus associated with this route will stop at this bus stop.	xs:time
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.18.4-1: BusRouteDetail

JSON

```
{
  "BusRouteDetail": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "BusRouteInfoRefId": "C2F23F450B86234B9B3D00AA001A1652",
    "BusStopInfoRefId": "B7A34E561C97345C0A4E11BB112B2753",
    "ArrivalTime": "15:39:00-08:00"
  }
}
```

XML

```
<BusRouteDetail RefId="D3E34B359D75101A8C3D00AA001A1652" BusRouteInfoRefId="C2F23F450B86234B9B3D00AA001A1652">
  <BusStopInfoRefId>B7A34E561C97345C0A4E11BB112B2753</BusStopInfoRefId>
  <ArrivalTime>15:39:00-08:00</ArrivalTime>
</BusRouteDetail>
```

Example 3.18.4-1: BusRouteDetail

3.18.5 BusRouteInfo

This object contains all of the information about a bus route.

SIF_Events are reported for this object.

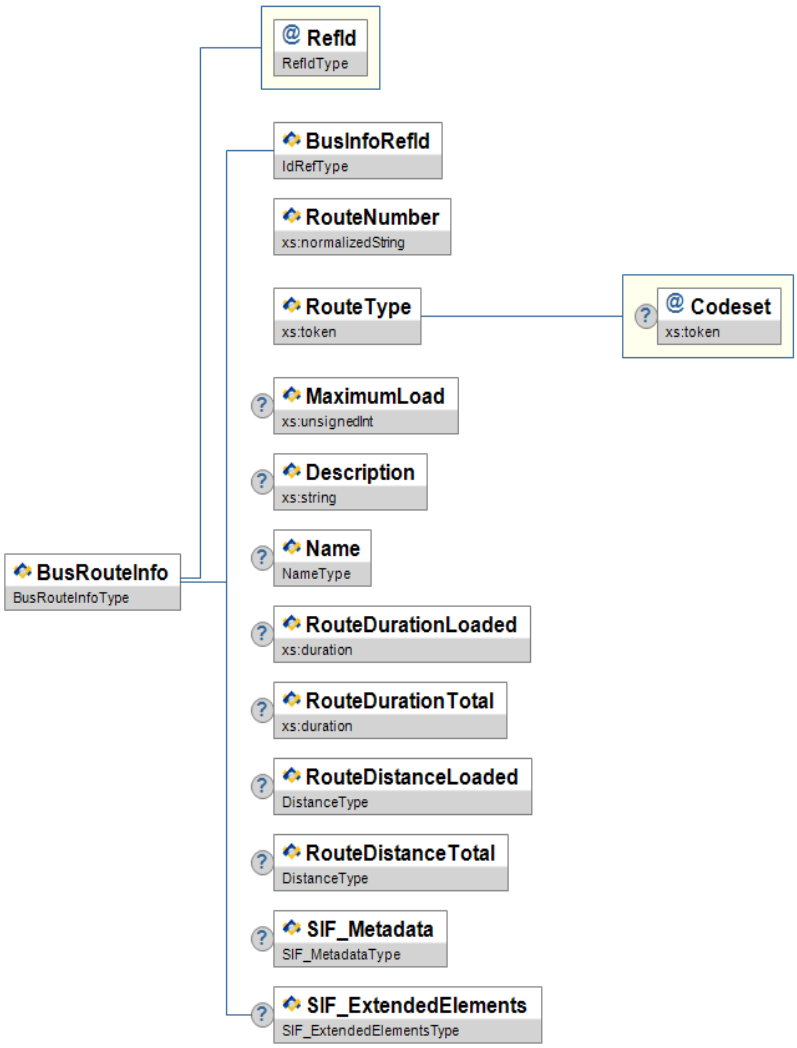

Figure 3.18.5-1: BusRouteInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BusRouteInfo			This object contains all of the information about a bus route.	
@	RefId	M		GUID that identifies this bus route.	RefIdType
	BusInfoRefId	M		GUID that identifies the bus that is associated with this route.	IdRefType
	RouteNumber	M		A unique identifier for the route. It may contain any printable ASCII character. F or instance, you may have route 16AM in the morning and a 16PM in the afternoon.	xs:normalizedString
	RouteType	M		The type of route.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	MaximumLoad	O		The maximum number of students who are on the bus at any point along this route.	xs:unsignedInt
	Description	O		Short explanation of the route. It may be used to designate an area, or used to color-code bus routes (the "orange" route).	xs:string

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Name	O		Name of the driver who drives this route.	NameType
	RouteDurationLoaded	O		Refers to the amount of time that at least one student is riding the bus.	xs:duration
	RouteDurationTotal	O		Includes time when no student is on the bus, including time driving to and from the garage, etc.	xs:duration
	RouteDistanceLoaded	O		Refers to the distance the bus drives when at least one student is riding the bus.	DistanceType
	RouteDistanceTotal	O		Includes the total distance driven for this route including to and from garage.	DistanceType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.18.5-1: BusRouteInfo

JSON

```
{
  "BusRouteInfo": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "BusInfoRefId": "A2E35B359D75101A8C3D00AA001A0000",
    "RouteNumber": "16AM",
    "RouteType": {
      "value": "Inbound"
    },
    "MaximumLoad": 40,
    "Description": "1st Transfer Bus",
    "Name": {
      "Type": "02",
      "LastName": "Smith",
      "FirstName": "Jon"
    },
    "RouteDurationLoaded": "PT16M45S",
    "RouteDurationTotal": "PT28M00S",
    "RouteDistanceLoaded": {
      "Unit": "m",
      "value": 5.23
    },
    "RouteDistanceTotal": {
      "Unit": "m",
      "value": 9.9
    }
  }
}
```

XML

```
<BusRouteInfo RefId="D3E34B359D75101A8C3D00AA001A1652">
  <BusInfoRefId>A2E35B359D75101A8C3D00AA001A0000</BusInfoRefId>
  <RouteNumber>16AM</RouteNumber>
  <RouteType>Inbound</RouteType>
  <MaximumLoad>40</MaximumLoad>
  <Description>1st Transfer Bus</Description>
  <Name Type="02">
    <LastName>Smith</LastName>
    <FirstName>Jon</FirstName>
  </Name>
  <RouteDurationLoaded>PT16M45S</RouteDurationLoaded>
  <RouteDurationTotal>PT28M00S</RouteDurationTotal>
  <RouteDistanceLoaded Unit="m">5.23</RouteDistanceLoaded>
  <RouteDistanceTotal Unit="m">9.9</RouteDistanceTotal>
</BusRouteInfo>
```

Example 3.18.5-1: BusRouteInfo

3.18.6 BusStopInfo

This object contains information about a bus stop.

SIF_Events are reported for this object.

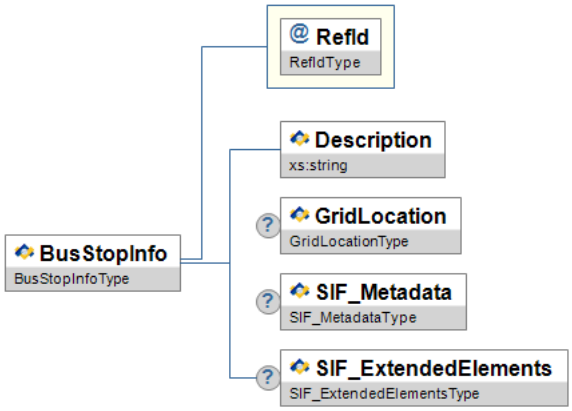

Figure 3.18.6-1: BusStopInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BusStopInfo			This object contains information about a bus stop.	
@	RefId	M		GUID that identifies this location.	RefIdType
	Description	M		An explanation of this location.	xs:string
	GridLocation	O		The location of the bus stop.	GridLocationType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.18.6-1: BusStopInfo

JSON

```
{
  "BusStopInfo": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "Description": "Elm St @ Pine Ave",
    "GridLocation": {
      "Latitude": 41.85,
      "Longitude": -87.65
    }
  }
}
```

XML

```
<BusStopInfo RefId="D3E34B359D75101A8C3D00AA001A1652">
  <Description>Elm St @ Pine Ave</Description>
  <GridLocation>
    <Latitude>41.850000</Latitude>
    <Longitude>-87.650000</Longitude>
  </GridLocation>
</BusStopInfo>
```

Example 3.18.6-1: BusStopInfo

3.18.7 StudentTransportInfo

This object contains transportation information about a student. Students should have at least two StudentTransportInfo objects associated with them: one for inbound information (getting to school) and one for outbound information (leaving school). If their transportation changes based on the day of the week, then a student will have more than two StudentTransportInfo objects.

SIF_Events are reported for this object.

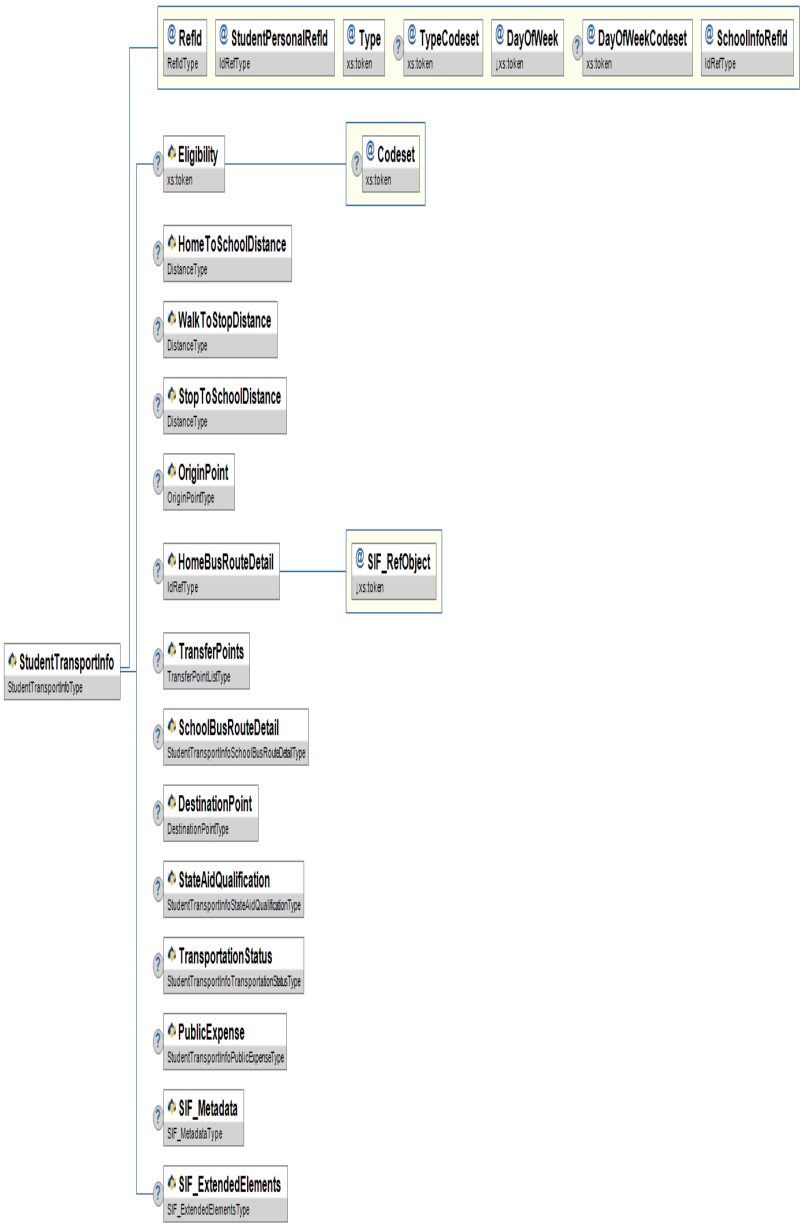

Figure 3.18.7-1: StudentTransportInfo

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentTransportInfo			This object contains transportation information about a student. Students should have at least two StudentTransportInfo objects associated with them: one for inbound information (getting to school) and one for outbound information (leaving school). If their transportation changes based on the day of the week, then a student will have more than two StudentTransportInfo objects.	
@	RefId	M		GUID that identifies this object.	RefIdType
@	StudentPersonalRefId	M		GUID that identifies the student that this object refers to.	IdRefType
@	Type	M		The direction of transportation that this object refers to.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	DayOfWeek	M		This attribute indicates the day(s) of the week to which this object refers.	xs:token xs:pattern: (Mo)?(Tu)?(We)?(Th)?(Fr)?(Sa)?(Su)?
@	DayOfWeekCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
@	SchoolInfoRefId	M		GUID referring to the school that the student attends on these day(s) of the week.	IdRefType
	Eligibility	O		Eligibility status of student for district transportation for this trip. Note: this element has been deprecated—use TransportationStatus and PublicExpense.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	HomeToSchoolDistance	O		Distance between the student's home address and the school.	DistanceType
	WalkToStopDistance	O		Distance between the student's address and the bus stop where they are picked up or dropped off.	DistanceType
	StopToSchoolDistance	O		Distance between the bus stop where a student is picked up or dropped off and the school.	DistanceType
	OriginPoint	O			OriginPointType
	HomeBusRouteDetail	O		GUID referring to a BusRouteDetail object that identifies the origin bus stop for an inbound route or the destination bus stop for an outbound route. If the HomeBusRouteDetail element does not exist, then the student does not ride a bus to/from school. Note: this element has been deprecated—use OriginPoint and DestinationPoint.	IdRefType
@	SIF_RefObject	M			values: BusRouteDetail
	TransferPoints	O			TransferPointListType
	SchoolBusRouteDetail	O			StudentTransportInfoSchoolBusRouteDetailType
	DestinationPoint	O			DestinationPointType
	StateAidQualification	O			StudentTransportInfoStateAidQualificationType
	TransportationStatus	O			StudentTransportInfoTransportationStatusType
	PublicExpense	O			StudentTransportInfoPublicExpenseType
	SIF_Metadata	O			SIF_MetadataType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table 3.18.7-1: StudentTransportInfo

JSON

```
{
  "StudentTransportInfo": {
    "RefId": "D3E34B359D75101A8C3D00AA001A1652",
    "StudentPersonalRefId": "C2F23F450B86234B9B3D00AA001A1652",
    "Type": "Inbound",
    "DayOfWeek": "MoWeFr",
    "SchoolInfoRefId": "B7A34E561C97345C0A4E11BB112B2753",
    "Eligibility": {
      "value": "Bus"
    },
    "HomeToSchoolDistance": {
      "Unit": "m",
      "value": 2.4
    },
    "WalkToStopDistance": {
      "Unit": "m",
      "value": 0.4
    },
    "StopToSchoolDistance": {
      "Unit": "m",
      "value": 2.0
    },
    "OriginPoint": {
      "BusRouteDetailRefId": "AAE34B359D75101A8C3D00AA001A1652",
      "ArrivalTime": "09:10:00",
      "RouteNumber": "134A",
      "RouteDescription": "RiverFront",
      "VehicleNumber": "16",
      "BusStopDescription": "Elm St @ Pine Ave"
    },
    "HomeBusRouteDetail": {
      "SIF_RefObject": "BusRouteDetail",
      "value": "A3B7564E971C5C344E0ABB11EE272B53"
    },
    "SchoolBusRouteDetail": {
      "SIF_RefObject": "BusRouteDetail",
      "value": "7B3AE465C17943C5A0E411BB11B27235"
    },
    "DestinationPoint": {
      "BusRouteDetailRefId": "AAE34B359D75101A8C3D00AA001A1652",
      "ArrivalTime": "09:31:00",
      "RouteNumber": "134P",
      "RouteDescription": "RiverFront",
      "VehicleNumber": "16",
      "BusStopDescription": "George Washington Elementary West"
    },
    "StateAidQualification": {
      "value": "2065"
    },
    "TransportationStatus": {
      "value": "2060"
    },
    "PublicExpense": {
      "value": "2068"
    }
  }
}
```


XML


```
<StudentTransportInfo RefId="D3E34B359D75101A8C3D00AA001A1652" StudentPersonalRefId="C2F23F450B86234B9B3D00AA001A1652" Type="Inbound" DayOfWeek="MoWeFr"
  <Eligibility>Bus</Eligibility>
  <HomeToSchoolDistance Unit="m">2.4</HomeToSchoolDistance>
  <WalkToStopDistance Unit="m">.4</WalkToStopDistance>
  <StopToSchoolDistance Unit="m">2.0</StopToSchoolDistance>
  <OriginPoint BusRouteDetailRefId="AAE34B359D75101A8C3D00AA001A1652">
    <ArrivalTime>09:10:00</ArrivalTime>
    <RouteNumber>134A</RouteNumber>
    <RouteDescription>RiverFront</RouteDescription>
    <VehicleNumber>16</VehicleNumber>
    <BusStopDescription>Elm St @ Pine Ave</BusStopDescription>
  </OriginPoint>
  <HomeBusRouteDetail SIF_RefObject="BusRouteDetail">A3B7564E971C5C344E0ABB11EE272B53</HomeBusRouteDetail>
  <SchoolBusRouteDetail SIF_RefObject="BusRouteDetail">7B3AE465C17943C5A0E411BB11B27235</SchoolBusRouteDetail>
  <DestinationPoint BusRouteDetailRefId="AAE34B359D75101A8C3D00AA001A1652">
    <ArrivalTime>09:31:00</ArrivalTime>
    <RouteNumber>134P</RouteNumber>
    <RouteDescription>RiverFront</RouteDescription>
    <VehicleNumber>16</VehicleNumber>
    <BusStopDescription>George Washington Elementary West</BusStopDescription>
  </DestinationPoint>
  <StateAidQualification>2065</StateAidQualification>
  <TransportationStatus>2060</TransportationStatus>
  <PublicExpense>2068</PublicExpense>
</StudentTransportInfo>
```


Example 3.18.7-1: StudentTransportInfo

3.19 xPress Working Group

A simpler set of data objects that can be used by itself or in conjunction with the rest of the rich enterprise data model found here. It is particularly useful when needing an API to communicate basics to applications that would otherwise be kept outside the zone.

3.19.1 xCalendar

xCalendar is a composite object that provides information about sessions held at a particular school during a given school year. The refId of a xCalendar object coincides with the refId of a corresponding schoolCalendar object.

SIF_Events are reported for this object.

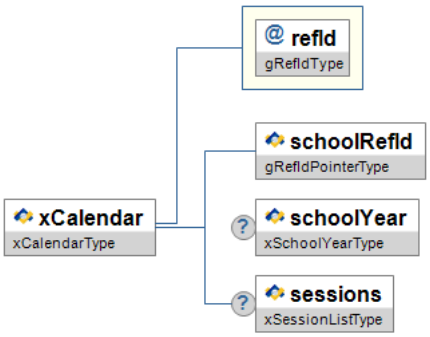

Figure 3.19.1-1: xCalendar

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	xCalendar			xCalendar is a composite object that provides information about sessions held at a particular school during a given school year. The refId of a xCalendar object coincides with the refId of a corresponding schoolCalendar object.	
@	refId	M			gRefIdType
	schoolRefId	M		The refid to which this calendar applies.	gRefIdPointerType
	schoolYear	O		The school year for the calendar.	xSchoolYearType
	sessions	O		A list of sessions for the calendar.	xSessionListType

Table 3.19.1-1: xCalendar

JSON


```
{
  "xCalendar": {
    "refId": "B0FD06FD-5F35-4D96-B2EA-AA96CD2D0F38",
    "schoolRefId": "66667705-6C51-4C30-A22A-77CEA0FBCF53",
    "schoolYear": "2014",
    "sessions": {
      "session": [
        {
          "sessionType": "Semester",
          "sessionCode": "S1-1415",
          "description": "Spring 2014-15",
          "markingTerm": false,
          "schedulingTerm": false,
          "startDate": "2015-01-19",
          "endDate": "2015-06-25"
        },
        {
          "sessionType": "Semester",
          "sessionCode": "S1-1415",
          "description": "Fall 2014-15",
          "markingTerm": false,
          "schedulingTerm": false,
          "startDate": "2014-09-08",
          "endDate": "2014-01-16"
        }
      ]
    }
  }
}
```


XML

```
<xCalendar refId="B0FD06FD-5F35-4D96-B2EA-AA96CD2D0F38">
  <schoolRefId>66667705-6C51-4C30-A22A-77CEA0FBCF53</schoolRefId>
  <schoolYear>2014</schoolYear>
  <sessions>
    <session>
      <sessionType>Semester</sessionType>
      <sessionCode>S1-1415</sessionCode>
      <description>Spring 2014-15</description>
      <markingTerm>false</markingTerm>
      <schedulingTerm>false</schedulingTerm>
      <startDate>2015-01-19</startDate>
      <endDate>2015-06-25</endDate>
    </session>
    <session>
      <sessionType>Semester</sessionType>
      <sessionCode>S1-1415</sessionCode>
      <description>Fall 2014-15</description>
      <markingTerm>false</markingTerm>
      <schedulingTerm>false</schedulingTerm>
      <startDate>2014-09-08</startDate>
      <endDate>2014-01-16</endDate>
    </session>
  </sessions>
</xCalendar>
```

Example 3.19.1-1: xCalendar

3.19.2 xContact

SIF_Events are reported for this object.

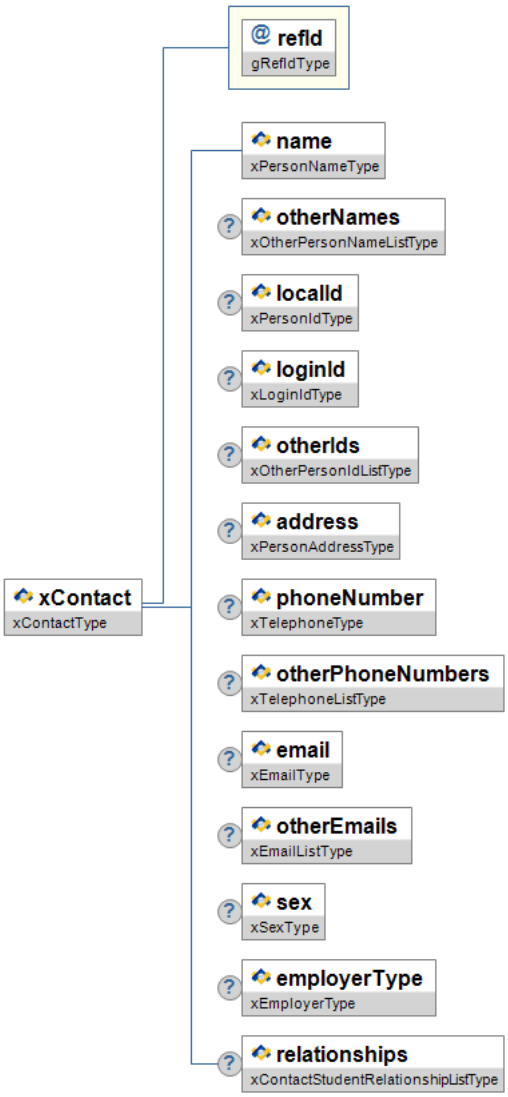

Figure 3.19.2-1: xContact

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	xContact				
@	refId	M			gRefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	name	M		Name of the contact.	xPersonNameType
	otherNames	O		Other names of the contact.	xOtherPersonNameListType
	localId	O	001572 https://ceds.ed.gov/element/001572	A unique number or alphanumeric code assigned to a staff member by a district or LEA.	xPersonIdType
	loginId	O	001170 https://ceds.ed.gov/element/001170	The login identifier for the person.	xLoginIdType
	otherIds	O		Other Ids of the contact.	xOtherPersonIdListType
	address	O		Address of the student.	xPersonAddressType
	phoneNumber	O		Phone number of the contact.	xTelephoneType
	otherPhoneNumbers	O		Other phone numbers for the contact.	xTelephoneListType
	email	O	000088 https://ceds.ed.gov/element/000088	The numbers, letters, and symbols used to identify an electronic mail (e-mail) user within the network to which the person or organization belongs.	xEmailType
	otherEmails	O	000088 https://ceds.ed.gov/element/000088	Other emails of the contact.	xEmailListType
	sex	O	000255 https://ceds.ed.gov/element/000255	The concept describing the biological traits that distinguish the males and females of a species.	xSexType
	employerType	O		A code that defines the employer type.	xEmployerType
	relationships	O		Relationships that this contact has with the student.	xContactStudentRelationshipListType

Table 3.19.2-1: xContact

JSON

```
{
  "xContact": {
    "refId": "05dd5254-43d7-11e6-beb8-9e71128cae77",
    "name": {
      "type": "LegalName",
      "prefix": "Mr.",
      "familyName": "Loewen",
      "givenName": "John",
      "middleName": "Robert"
    },
    "loginId": "jloewen",
    "address": {
      "addressType": "Physical",
      "line1": "29249 Sudden Valley Dr.",
      "city": "Bothell",
      "stateProvince": "WA",
      "countryCode": "US",
      "postalCode": "98011"
    },
    "phoneNumber": {
      "phoneNumberType": "Home",
      "number": "360-555-5555",
      "primaryIndicator": true
    },
    "email": {
      "emailType": "Work",
      "emailAddress": "jloewen@company.com"
    },
    "sex": "Male",
    "employerType": "PrivateOrganization_1805",
    "relationships": {
      "relationship": [
        {
          "studentRefId": "0D70D733-6483-47B4-B638-01980AF45E2D",
          "relationshipCode": "Father",
          "livesWith": true,
          "primaryContactIndicator": true,
          "emergencyContactIndicator": true,
          "financialResponsibilityIndicator": true,
          "custodialIndicator": true,
          "communicationsIndicator": true,
          "contactSequence": 2
        }
      ]
    }
  }
}
```


XML


```
<xContact refId="05dd5254-43d7-11e6-beb8-9e71128cae77">
  <name>
    <type>LegalName</type>
    <prefix>Mr.</prefix>
    <familyName>Loewen</familyName>
    <givenName>John</givenName>
    <middleName>Robert</middleName>
  </name>
  <loginId>jloewen</loginId>
  <address>
    <addressType>Physical</addressType>
    <line1>29249 Sudden Valley Dr.</line1>
    <city>Bothell</city>
    <stateProvince>WA</stateProvince>
    <countryCode>US</countryCode>
    <postalCode>98011</postalCode>
  </address>
  <phoneNumber>
    <phoneNumberType>Home</phoneNumberType>
    <number>360-555-5555</number>
    <primaryIndicator>true</primaryIndicator>
  </phoneNumber>
  <email>
    <emailType>Work</emailType>
    <emailAddress>jloewen@company.com</emailAddress>
  </email>
  <sex>Male</sex>
  <employerType>PrivateOrganization_1805</employerType>
  <relationships>
    <relationship>
      <studentRefId>0D70D733-6483-47B4-B638-01980AF45E2D</studentRefId>
      <relationshipCode>Father</relationshipCode>
      <livesWith>true</livesWith>
      <primaryContactIndicator>true</primaryContactIndicator>
      <emergencyContactIndicator>true</emergencyContactIndicator>
      <financialResponsibilityIndicator>true</financialResponsibilityIndicator>
      <custodialIndicator>true</custodialIndicator>
      <communicationsIndicator>true</communicationsIndicator>
      <contactSequence>2</contactSequence>
    </relationship>
  </relationships>
</xContact>
```


Example 3.19.2-1: xContact

3.19.3 xCourse

xCourse is a composite object that provides essential information about a course. The refId of a xCourse object coincides with the refId of a corresponding course object.

SIF_Events are reported for this object.

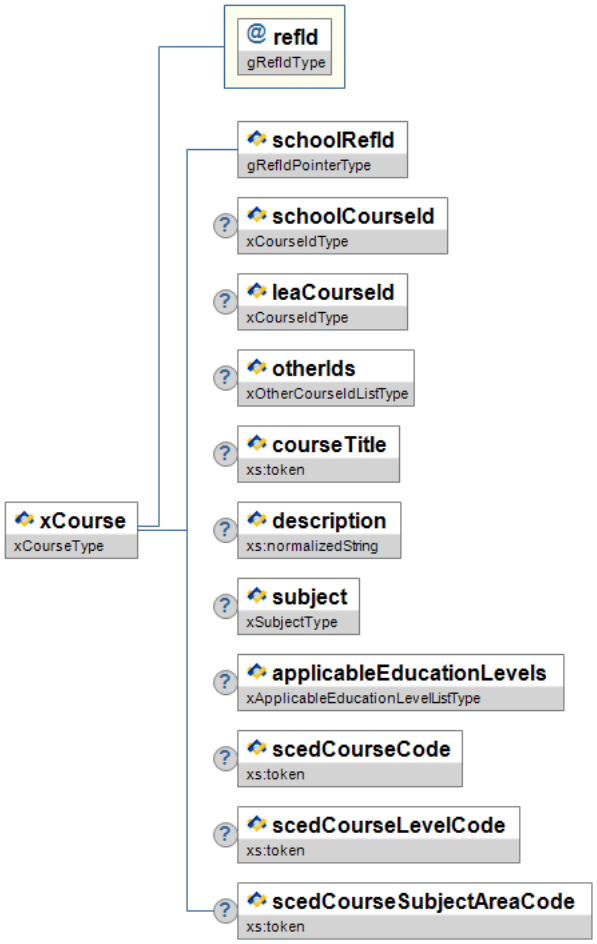

Figure 3.19.3-1: xCourse

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	xCourse			xCourse is a composite object that provides essential information about a course. The refId of a xCourse object coincides with the refId of a corresponding course object.	
@	refId	M			gRefIdType
	schoolRefId	M		Refid of the school in which the course is delivered.	gRefIdPointerType
	schoolCourseId	O	000055 https://ceds.ed.gov/element/000055	The actual code that identifies the organization of subject matter and related learning experiences provided for the instruction of students.	xCourseIdType
	leaCourseId	O	000055 https://ceds.ed.gov/element/000055	The actual code that identifies the organization of subject matter and related learning experiences provided for the instruction of students as defined at the district level (i.e. district course code).	xCourseIdType
	otherIds	O	000055 https://ceds.ed.gov/element/000055	A system that is used to identify the organization of subject matter and related learning experiences provided for the instruction of students.	xOtherCourseIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	courseTitle	O	000067 https://ceds.ed.gov/element/000067	The descriptive name given to a course of study offered in a school or other institution or organization. In departmentalized classes at the elementary, secondary, and postsecondary levels (and for staff development activities), this refers to the name by which a course is identified (e.g., American History, English III). For elementary and other non-departmentalized classes, it refers to any portion of the instruction for which a grade or report is assigned (e.g., reading, composition, spelling, and language arts).	xs:token
	description	O	000517 https://ceds.ed.gov/element/000517	A description of the course content and/or goals. Reference may be made to state or national content standards.	xs:normalizedString
	subject	O	000066 https://ceds.ed.gov/element/000066		xSubjectType
	applicableEducationLevels	O	001301 https://ceds.ed.gov/element/001301	The education level, grade level or primary instructional level at which a course is intended.	xApplicableEducationLevelListType
	scedCourseCode	O	001517 https://ceds.ed.gov/element/001517	SCED code for the course.	xs:token
	scedCourseLevelCode	O	001516 https://ceds.ed.gov/element/001516	SCED Course Level Code.	xs:token
	scedCourseSubjectAreaCode	O	001518 https://ceds.ed.gov/element/001518	SCED Course Subject Area Code.	xs:token

Table 3.19.3-1: xCourse

JSON


```
{
  "xCourse": {
    "refId": "0B629B89-B1A0-42D2-B912-5F6A325C98AA",
    "schoolRefId": "66667705-6C51-4C30-A22A-77CEA0FBCF53",
    "otherIds": {
      "otherId": [
        {
          "type": "Other",
          "id": "JMS0868"
        }
      ]
    },
    "courseTitle": "Blocks",
    "description": "Test Description 1",
    "subject": "Special Education",
    "applicableEducationLevels": {
      "applicableEducationLevel": [
        "07"
      ]
    }
  }
}
```


XML


```
<xCourse refId="0B629B89-B1A0-42D2-B912-5F6A325C98AA">
  <schoolRefId>66667705-6C51-4C30-A22A-77CEA0FBCF53</schoolRefId>
  <otherIds>
    <otherId>
      <type>Other</type>
      <id>JMS0868</id>
    </otherId>
  </otherIds>
  <courseTitle>Blocks</courseTitle>
  <description>Test Description 1</description>
  <subject>Special Education</subject>
  <applicableEducationLevels>
    <applicableEducationLevel>07</applicableEducationLevel>
  </applicableEducationLevels>
</xCourse>
```


Example 3.19.3-1: xCourse

3.19.4 xIndividualizedEducationPlan

Information to support Special Education students transferring into a new educational context. Specifically, this model supports these use cases: Use Case 1 (Day Zero): An administrator is able to quickly look at the incoming information to decide where to place the student on the first day. Use Case 2 (Ongoing IEP): A committee

on the receiving school quickly understands the needs and services of a student in a way that allows it to take the actions necessary for the student to have the best outcome. Use Case 3 (State Reporting): Data analysts at the receiving school build a complete student profile supporting their reporting and resource management needs.

```
Developed for A4L by
    TQ White II
        Central Minnesota Educational Research and Development Council
        tqwhite@erdc.k12.mn.us
        10/17/17
Significant contributions by
    Jill Parkes, Quality Information Partners
    Megan Gangl, Central Minnesota Educational Research and Development Council
    John Lovell, Access 4 Learning Community
```

SIF_Events are reported for this object.

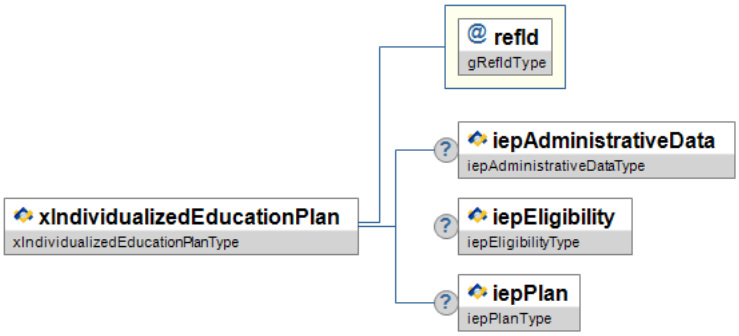

Figure 3.19.4-1: xIndividualizedEducationPlan

	Element/@Attribute	Char	CEDS Id/URL	Description	Type

	xIndividualizedEducationPlan			Information to support Special Education students transferring into a new educational context. Specifically, this model supports these use cases: Use Case 1 (Day Zero): An administrator is able to quickly look at the incoming information to decide where to place the student on the first day. Use Case 2 (Ongoing IEP): A committee on the receiving school quickly understands the needs and services of a student in a way that allows it to take the actions necessary for the student to have the best outcome. Use Case 3 (State Reporting): Data analysts at the receiving school build a complete student profile supporting their reporting and resource management needs.
				`Developed for A4L by`
				`TQ White II`
				`Central Minnesota Educational Research and Development Council`
				`tqwhite@erdc.k12.mn.us`
				`10/17/17`
				`Significant contributions by`
				`Jill Parkes, Quality Information Partners`
				`Megan Gangl, Central Minnesota Educational Research and Development Council`
				`John Lovell, Access 4 Learning Community`	

@	refId	M			gRefIdType
	iepAdministrativeData	O			iepAdministrativeDataType
	iepEligibility	O			iepEligibilityType
	iepPlan	O			iepPlanType

Table 3.19.4-1: xIndividualizedEducationPlan

3.19.5 xLea

xLea is a composite object that provides core information about a Local Educuation Agency (e.g. district, division, intermediate agency). The refId of a xLea object coincides with the refId of a corresponding lea object.

SIF_Events are reported for this object.

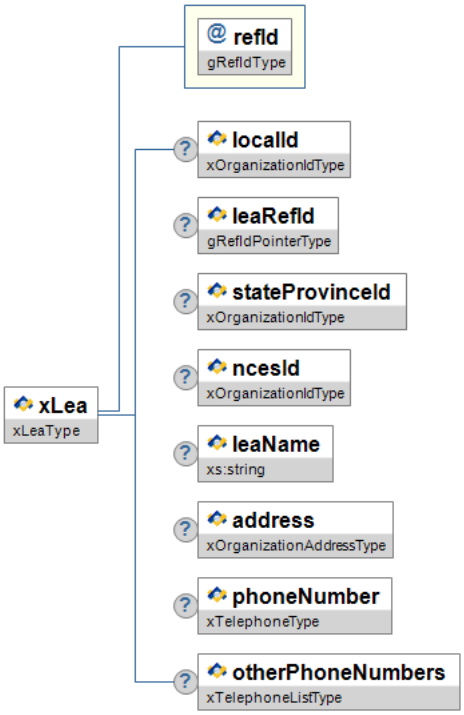

Figure 3.19.5-1: xLea

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	xLea			xLea is a composite object that provides core information about a Local Educuation Agency (e.g. district, division, intermediate agency). The refId of a xLea object coincides with the refId of a corresponding lea object.	
@	refId	M			gRefIdType
	localId	O	001068 https://ceds.ed.gov/element/001068	A unique number or alphanumeric code assigned to a local education agency by a school system.	xOrganizationIdType
	leaRefId	O		The refId for the LEA.	gRefIdPointerType
	stateProvinceId	O	001068 https://ceds.ed.gov/element/001068	A unique number or alphanumeric code assigned to a local education agency by a state.	xOrganizationIdType
	ncesId	O	001068 https://ceds.ed.gov/element/001068	A unique number or alphanumeric code assigned to a local education agency by NCES.	xOrganizationIdType
	leaName	O	000204 https://ceds.ed.gov/element/000204	The name of a non-person entity such as an organization, institution, agency or business; in this case, a Local Education Agency.	xs:string
	address	O		The address of the LEA.	xOrganizationAddressType
	phoneNumber	O		The phone number of the LEA.	xTelephoneType
	otherPhoneNumbers	O		A list of other phone numbers for the LEA.	xTelephoneListType

Table 3.19.5-1: xLea

JSON

```
{
  "xLea": {
    "refId": "9BA8379D-9A9D-4D59-9202-E976CADF5526",
    "localId": "BT101",
    "stateProvinceId": "738121",
    "ncesId": "12345",
    "leaName": "Broome County Super District",
    "address": {
      "line1": "21 School Drive",
      "city": "Albany",
      "stateProvince": "NY",
      "postalCode": "12304"
    },
    "phoneNumber": {
      "phoneNumberType": "Other",
      "number": "518-555-5555",
      "primaryIndicator": true
    },
    "otherPhoneNumbers": {
      "phoneNumber": [
        {
          "phoneNumberType": "Other",
          "number": "518-555-5556",
          "primaryIndicator": false
        }
      ]
    }
  }
}
```


XML


```
<xLea refId="9BA8379D-9A9D-4D59-9202-E976CADF5526">
  <localId>BT101</localId>
  <stateProvinceId>738121</stateProvinceId>
  <ncesId>12345</ncesId>
  <leaName>Broome County Super District</leaName>
  <address>
    <line1>21 School Drive</line1>
    <city>Albany</city>
    <stateProvince>NY</stateProvince>
    <postalCode>12304</postalCode>
  </address>
  <phoneNumber>
    <phoneNumberType>Other</phoneNumberType>
    <number>518-555-5555</number>
    <primaryIndicator>true</primaryIndicator>
  </phoneNumber>
  <otherPhoneNumbers>
    <phoneNumber>
      <phoneNumberType>Other</phoneNumberType>
      <number>518-555-5556</number>
      <primaryIndicator>false</primaryIndicator>
    </phoneNumber>
  </otherPhoneNumbers>
</xLea>
```


Example 3.19.5-1: xLea

3.19.6 xRoster

xRoster is a composite object that provides a consolidated view of information related to a course section or class, including student enrollment and assigned staff. The refId of a xRoster object coincides with the refId of a corresponding section object.

SIF_Events are reported for this object.

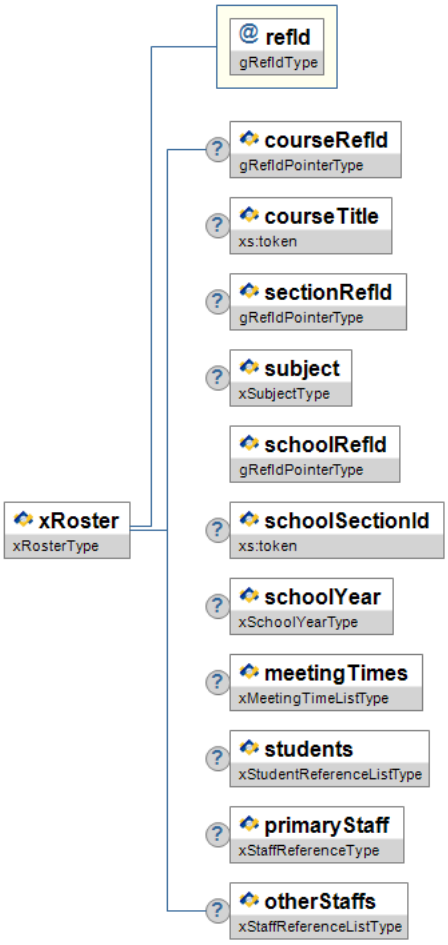

Figure 3.19.6-1: xRoster

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	xRoster			xRoster is a composite object that provides a consolidated view of information related to a course section or class, including student enrollment and assigned staff. The refId of a xRoster object coincides with the refId of a corresponding section object.	
@	refId	M			gRefIdType
	courseRefId	O		RefId of the course for this section.	gRefIdPointerType
	courseTitle	O	000067 https://ceds.ed.gov/element/000067	The descriptive name given to a course of study offered in a school or other institution or organization. In departmentalized classes at the elementary, secondary, and postsecondary levels (and for staff development activities), this refers to the name by which a course is identified (e.g., American History, English III). For elementary and other non-departmentalized classes, it refers to any portion of the instruction for which a grade or report is assigned (e.g., reading, composition, spelling, and language arts).	xs:token
	sectionRefId	O		RefId of the section.	gRefIdPointerType
	subject	O	000066 https://ceds.ed.gov/element/000066		xSubjectType
	schoolRefId	M		RefId of the school.	gRefIdPointerType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	schoolSectionId	O	000978 https://ceds.ed.gov/element/000978	A unique number or alphanumeric code assigned by an institution, school, school system, state, or other agency or entity for a particular course-section.	xs:token
	schoolYear	O	000243 https://ceds.ed.gov/element/000243	The year for a reported school session.	xSchoolYearType
	meetingTimes	O		A list of meeting times for the section.	xMeetingTimeListType
	students	O		A list of students associated with the roster.	xStudentReferenceListType
	primaryStaff	O		The primary staff person for the section.	xStaffReferenceType
	otherStaffs	O		Other staff persons associated with the section.	xStaffReferenceListType

Table 3.19.6-1: xRoster

JSON

```
{
  "xRoster": {
    "refId": "0A85D682-8151-4897-B226-867C1D585281",
    "courseRefId": "9FCA2918-FD73-4F32-A957-6AE6CC9306BA",
    "courseTitle": "Tech 7",
    "subject": "Technology",
    "schoolRefId": "66667705-6C51-4C30-A22A-77CEA0FBCF53",
    "schoolSectionId": "JMS0605:2",
    "schoolYear": "2014",
    "meetingTimes": {
      "meetingTime": [
        {
          "timeTableDay": "AB",
          "classMeetingDays": {
            "bellScheduleDay": "Monday"
          },
          "timeTablePeriod": "2",
          "roomNumber": "115",
          "classBeginningTime": "09:00:00",
          "classEndingTime": "09:55:00",
          "sessionCode": "S1-1415",
          "schoolCalendarRefId": "B0FD06FD-5F35-4D96-B2EA-AA96CD2D0F38"
        }
      ]
    },
    "students": {
      "studentReference": [
        {
          "refId": "C0136902-494F-4DFD-8C00-033352B08260",
          "givenName": "Kylynn",
          "familyName": "Waters"
        },
        {
          "refId": "7FD4F15A-A31B-4DDB-A12B-07F462554F0C",
          "givenName": "Beth",
          "familyName": "Stokes"
        },
        {
          "refId": "8977F3DD-41FC-4B0F-97A0-056AF4B42F64",
          "givenName": "Kelly",
          "familyName": "Joyner"
        },
        {
          "refId": "812ED7DB-53B3-4586-B03E-005694863B71",
          "givenName": "Jesse",
          "familyName": "Cooper"
        },
        {
          "refId": "996E3EA0-B802-4B15-942A-066543381E6D",
          "givenName": "Valentine",
          "familyName": "Finley"
        },
        {
          "refId": "DD82D3B6-17B9-4D5C-B11C-07CF630F6510",
          "givenName": "Myles",
          "familyName": "Curtis"
        },
        {
          "refId": "2E09CBCC-E058-4CE3-88A3-034E484FE3E1",
          "givenName": "Jessamine",
          "familyName": "Walls"
        },
        {
          "refId": "46C27E6A-F44A-497C-B93B-025ECB5BF7BB",
          "givenName": "Todd",
          "familyName": "Owens"
        },
        {
          "refId": "66CB9D07-6F4C-4EEA-AAD2-0189720C11FF",
          "givenName": "Ferris",
          "familyName": "Wade"
        },
        {
          "refId": "B4BF7A21-932A-4B29-8B22-02B628E7C265",
          "givenName": "Ifeoma",
          "familyName": "Sanders"
        },
        {
          "refId": "04C6ED7E-30CE-451A-9E4F-00775577FAAD",
          "givenName": "Jesse",
          "familyName": "Leach"
        },
        {
          "refId": "9BE217D5-6B30-47E2-9983-0585F7364954",
          "givenName": "Peter",
          "familyName": "Lester"
        },
        {
          "refId": "3B27AA67-A257-4AA2-BB8C-01A68EAD6789",
          "givenName": "Hamilton",
          "familyName": "Finley"
        },
        {
          "refId": "5E176830-C759-477F-B86C-0CB4DF64BB05",
          "givenName": "Xena",
          "familyName": "Abbott"
        },
        {
          "refId": "4BF32C67-17F5-4E97-8CE0-09FC8BFEF9E3",
          "givenName": "Curtis",
          "familyName": "Curtis"
        },
        {
          "refId": "BC72D69A-3544-4BD9-B067-07D5207351FF",
          "givenName": "Wendy",
          "familyName": "Keith"
        },
        {
          "refId": "A1D83CC7-3E67-4742-A93C-0A2AF83D0F66",
          "givenName": "Jonah",
          "familyName": "Finley"
        },
        {
          "refId": "2A6B9675-77B8-4D6A-82E0-07E1BC34BDE9",
          "givenName": "Stella",
          "familyName": "Kline"
        },
        {
          "refId": "29C81D05-24EF-4EE3-9C24-04E3514D840B",
          "givenName": "Johnny",
          "familyName": "Thomas"
        },
        {
          "refId": "FE206528-6025-4BB2-A98B-06C620B93606",
          "givenName": "Amos",
          "familyName": "Riddle"
        }
      ]
    },
    "primaryStaff": {
      "staffPersonReference": {
        "refId": "04072A93-000D-4EC0-9596-006A34D7C9C1",
```

```
        "givenName": "Lara",
        "familyName": "Kline"
      },
      "teacherOfRecord": true
    }
  }
}
```


XML

```
<xRoster refId="0A85D682-8151-4897-B226-867C1D585281">
  <courseRefId>9FCA2918-FD73-4F32-A957-6AE6CC9306BA</courseRefId>
  <courseTitle>Tech 7</courseTitle>
  <subject>Technology</subject>
  <schoolRefId>66667705-6C51-4C30-A22A-77CEA0FBCF53</schoolRefId>
  <schoolSectionId>JMS0605:2</schoolSectionId>
  <schoolYear>2014</schoolYear>
  <meetingTimes>
    <meetingTime>
      <timeTableDay>AB</timeTableDay>
      <classMeetingDays>
        <bellScheduleDay>Monday</bellScheduleDay>
      </classMeetingDays>
      <timeTablePeriod>2</timeTablePeriod>
      <roomNumber>115</roomNumber>
      <classBeginningTime>09:00:00</classBeginningTime>
      <classEndingTime>09:55:00</classEndingTime>
      <sessionCode>S1-1415</sessionCode>
      <schoolCalendarRefId>B0FD06FD-5F35-4D96-B2EA-AA96CD2D0F38</schoolCalendarRefId>
    </meetingTime>
  </meetingTimes>
  <students>
    <studentReference>
      <refId>C0136902-494F-4DFD-8C00-033352B08260</refId>
      <givenName>Kylynn</givenName>
      <familyName>Waters</familyName>
    </studentReference>
    <studentReference>
      <refId>7FD4F15A-A31B-4DDB-A12B-07F462554F0C</refId>
      <givenName>Beth</givenName>
      <familyName>Stokes</familyName>
    </studentReference>
    <studentReference>
      <refId>8977F3DD-41FC-4B0F-97A0-056AF4B42F64</refId>
      <givenName>Kelly</givenName>
      <familyName>Joyner</familyName>
    </studentReference>
    <studentReference>
      <refId>812ED7DB-53B3-4586-B03E-005694863B71</refId>
      <givenName>Jesse</givenName>
      <familyName>Cooper</familyName>
    </studentReference>
    <studentReference>
      <refId>996E3EA0-B802-4B15-942A-066543381E6D</refId>
      <givenName>Valentine</givenName>
      <familyName>Finley</familyName>
    </studentReference>
    <studentReference>
      <refId>DD82D3B6-17B9-4D5C-B11C-07CF630F6510</refId>
      <givenName>Myles</givenName>
      <familyName>Curtis</familyName>
    </studentReference>
    <studentReference>
      <refId>2E09CBCC-E058-4CE3-88A3-034E484FE3E1</refId>
      <givenName>Jessamine</givenName>
      <familyName>Walls</familyName>
    </studentReference>
    <studentReference>
      <refId>46C27E6A-F44A-497C-B93B-025ECB5BF7BB</refId>
      <givenName>Todd</givenName>
      <familyName>Owens</familyName>
    </studentReference>
    <studentReference>
      <refId>66CB9D07-6F4C-4EEA-AAD2-0189720C11FF</refId>
      <givenName>Ferris</givenName>
      <familyName>Wade</familyName>
    </studentReference>
    <studentReference>
      <refId>B4BF7A21-932A-4B29-8B22-02B628E7C265</refId>
      <givenName>Ifeoma</givenName>
      <familyName>Sanders</familyName>
    </studentReference>
    <studentReference>
      <refId>04C6ED7E-30CE-451A-9E4F-00775577FAAD</refId>
      <givenName>Jesse</givenName>
      <familyName>Leach</familyName>
    </studentReference>
    <studentReference>
      <refId>9BE217D5-6B30-47E2-9983-0585F7364954</refId>
      <givenName>Peter</givenName>
      <familyName>Lester</familyName>
    </studentReference>
    <studentReference>
      <refId>3B27AA67-A257-4AA2-BB8C-01A68EAD6789</refId>
      <givenName>Hamilton</givenName>
      <familyName>Finley</familyName>
    </studentReference>
    <studentReference>
      <refId>5E176830-C759-477F-B86C-0CB4DF64BB05</refId>
      <givenName>Xena</givenName>
      <familyName>Abbott</familyName>
    </studentReference>
    <studentReference>
      <refId>4BF32C67-17F5-4E97-8CE0-09FC8BFEF9E3</refId>
      <givenName>Curtis</givenName>
      <familyName>Curtis</familyName>
    </studentReference>
    <studentReference>
      <refId>BC72D69A-3544-4BD9-B067-07D5207351FF</refId>
      <givenName>Wendy</givenName>
      <familyName>Keith</familyName>
    </studentReference>
    <studentReference>
      <refId>A1D83CC7-3E67-4742-A93C-0A2AF83D0F66</refId>
      <givenName>Jonah</givenName>
      <familyName>Finley</familyName>
    </studentReference>
    <studentReference>
      <refId>2A6B9675-77B8-4D6A-82E0-07E1BC34BDE9</refId>
      <givenName>Stella</givenName>
      <familyName>Kline</familyName>
    </studentReference>
    <studentReference>
      <refId>29C81D05-24EF-4EE3-9C24-04E3514D840B</refId>
      <givenName>Johnny</givenName>
      <familyName>Thomas</familyName>
    </studentReference>
    <studentReference>
      <refId>FE206528-6025-4BB2-A98B-06C620B93606</refId>
      <givenName>Amos</givenName>
      <familyName>Riddle</familyName>
    </studentReference>
  </students>
  <primaryStaff>
    <staffPersonReference>
      <refId>04072A93-000D-4EC0-9596-006A34D7C9C1</refId>
      <givenName>Lara</givenName>
      <familyName>Kline</familyName>
    </staffPersonReference>
    <teacherOfRecord>true</teacherOfRecord>
  </primaryStaff>
</xRoster>
```

Example 3.19.6-1: xRoster

3.19.7 xSchool

xSchool is a composite object that provides essential information about a school building or campus. The refId of a xSchool object coincides with the refId of a corresponding school object.

SIF_Events are reported for this object.

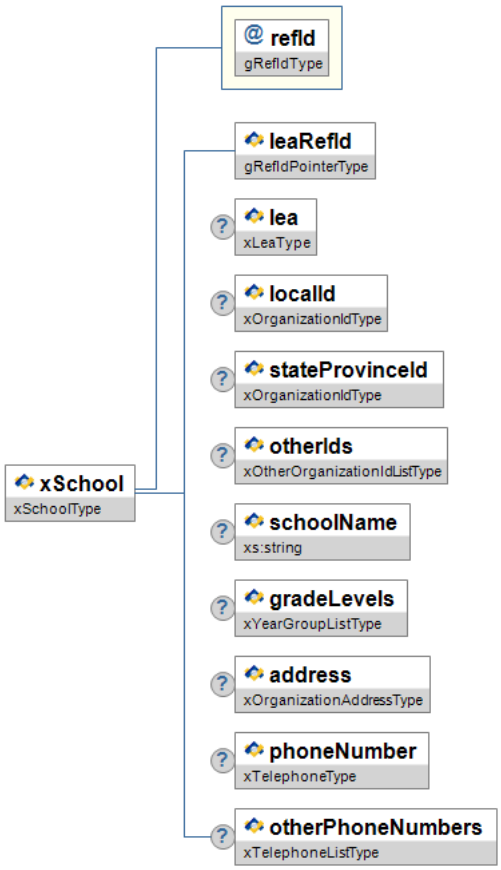

Figure 3.19.7-1: xSchool

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	xSchool			xSchool is a composite object that provides essential information about a school building or campus. The refId of a xSchool object coincides with the refId of a corresponding school object.	
@	refId	M			gRefIdType
	leaRefId	M		Refid of the LEA of which the school is a part.	gRefIdPointerType
	lea	O		An administrative unit within K-12 education at the local level which exists primarily to operate schools or to contract for educational services. These units may or may not be co-extensive with county, city, or town boundaries.	xLeaType
	localId	O	001071 https://ceds.ed.gov/element/001069	A unique number or alphanumeric code assigned to a school by a district or LEA.	xOrganizationIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	stateProvinceId	O	001071 https://ceds.ed.gov/element/001069	A unique number or alphanumeric code assigned to a school by a state.	xOrganizationIdType
	otherIds	O		A list of other Ids for the school.	xOtherOrganizationIdListType
	schoolName	O	000191 https://ceds.ed.gov/element/000191	The full legally accepted name of the institution.	xs:string
	gradeLevels	O	000131 https://ceds.ed.gov/element/000131	The specific grade or combination of grades offered by an education institution.	xYearGroupListType
	address	O		Address of the school.	xOrganizationAddressType
	phoneNumber	O		Phone number of the school.	xTelephoneType
	otherPhoneNumbers	O		A list of other phone numbers for the school.	xTelephoneListType

Table 3.19.7-1: xSchool

JSON


```
{
  "xSchool": {
    "refId": "66667705-6C51-4C30-A22A-77CEA0FBCF53",
    "leaRefId": "9BA8379D-9A9D-4D59-9202-E976CADF5526",
    "localId": "542334",
    "stateProvinceId": "566725",
    "otherIds": {
      "otherId": [
        {
          "type": "NCES",
          "id": "34423"
        }
      ]
    },
    "schoolName": "Johnson City MS",
    "address": {
      "line1": "12 Tree Lane",
      "city": "Johnson City",
      "stateProvince": "NY",
      "postalCode": "13790"
    },
    "phoneNumber": {
      "phoneNumberType": "Other",
      "number": "555-216-8230",
      "primaryIndicator": true
    },
    "otherPhoneNumbers": {
      "phoneNumber": [
        {
          "phoneNumberType": "Other",
          "number": "555-064-8358",
          "primaryIndicator": false
        }
      ]
    }
  }
}
```


XML


```
<xSchool refId="66667705-6C51-4C30-A22A-77CEA0FBCF53">
  <leaRefId>9BA8379D-9A9D-4D59-9202-E976CADF5526</leaRefId>
  <localId>542334</localId>
  <stateProvinceId>566725</stateProvinceId>
  <otherIds>
    <otherId>
      <type>NCES</type>
      <id>34423</id>
    </otherId>
  </otherIds>
  <schoolName>Johnson City MS</schoolName>
  <address>
    <line1>12 Tree Lane</line1>
    <city>Johnson City</city>
    <stateProvince>NY</stateProvince>
    <postalCode>13790</postalCode>
  </address>
  <phoneNumber>
    <phoneNumberType>Other</phoneNumberType>
    <number>555-216-8230</number>
    <primaryIndicator>true</primaryIndicator>
  </phoneNumber>
  <otherPhoneNumbers>
    <phoneNumber>
      <phoneNumberType>Other</phoneNumberType>
      <number>555-064-8358</number>
      <primaryIndicator>false</primaryIndicator>
    </phoneNumber>
  </otherPhoneNumbers>
</xSchool>
```

Example 3.19.7-1: xSchool

3.19.8 xStaff

xStaff is a composite object that provides a view of the most commonly used core data elements for teachers and non-teaching staff. The refId of a xStaff object coincides with the refId of a corresponding staff object.

SIF_Events are reported for this object.

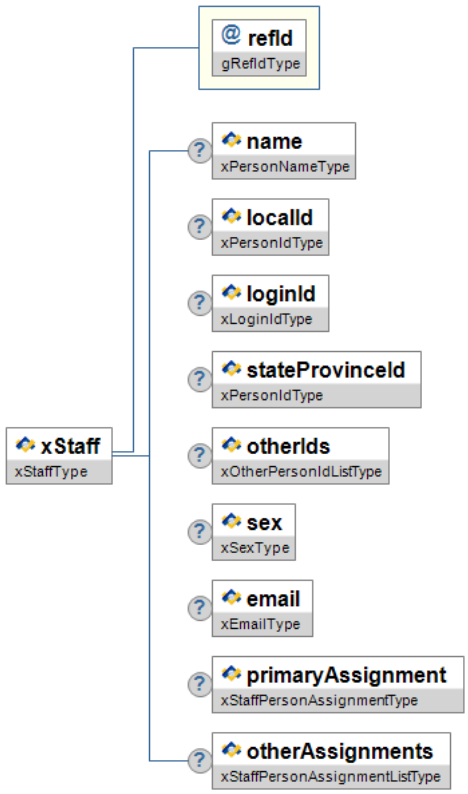

Figure 3.19.8-1: xStaff

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	xStaff			xStaff is a composite object that provides a view of the most commonly used core data elements for teachers and non-teaching staff. The refId of a xStaff object coincides with the refId of a corresponding staff object.	
@	refId	M			gRefIdType
	name	O		Name of the staff person.	xPersonNameType
	localId	O	001070 https://ceds.ed.gov/element/001070	A unique number or alphanumeric code assigned to a staff member by a district or LEA.	xPersonIdType
	loginId	O	001170 https://ceds.ed.gov/element/001170	The login identifier for the person.	xLoginIdType
	stateProvinceId	O	001070 https://ceds.ed.gov/element/001070	A unique number or alphanumeric code assigned to a staff member by a state.	xPersonIdType
	otherIds	O		Other Ids for the person.	xOtherPersonIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	sex	O	000255 https://ceds.ed.gov/element/000255	The concept describing the biological traits that distinguish the males and females of a species.	xSexType
	email	O	000088 https://ceds.ed.gov/element/000088		xEmailType
	primaryAssignment	O		The primary district, school, and function to which the person is assigned.	xStaffPersonAssignmentType
	otherAssignments	O		Other locations and functions to which the person is assigned.	xStaffPersonAssignmentListType

Table 3.19.8-1: xStaff

JSON

```
{
  "xStaff": {
    "refId": "0A363E64-8A65-4873-A971-006192DE8D55",
    "name": {
      "type": "LegalName",
      "familyName": "Olson",
      "givenName": "Brandon",
      "middleName": "X"
    },
    "otherIds": {
      "otherId": [
        {
          "type": "School",
          "id": "1358627"
        },
        {
          "type": "District",
          "id": "471442674"
        },
        {
          "type": "PIN",
          "id": "6348"
        },
        {
          "type": "State",
          "id": "847585242"
        }
      ]
    },
    "sex": "Male",
    "email": {
      "emailType": "Organizational",
      "emailAddress": "BrandonOlson@JohnsonCityMS.edu"
    },
    "primaryAssignment": {
      "leaRefId": "9BA8379D-9A9D-4D59-9202-E976CADF5526",
      "schoolRefId": "66667705-6C51-4C30-A22A-77CEA0FBCF53",
      "jobFunction": "Secondary Teachers"
    }
  }
}
```

XML

```
<xStaff refId="0A363E64-8A65-4873-A971-006192DE8D55">
  <name>
    <type>LegalName</type>
    <familyName>Olson</familyName>
    <givenName>Brandon</givenName>
    <middleName>X</middleName>
  </name>
  <otherIds>
    <otherId>
      <type>School</type>
      <id>1358627</id>
    </otherId>
    <otherId>
      <type>District</type>
      <id>471442674</id>
    </otherId>
    <otherId>
      <type>PIN</type>
      <id>6348</id>
    </otherId>
    <otherId>
      <type>State</type>
      <id>847585242</id>
    </otherId>
  </otherIds>
  <sex>Male</sex>
  <email>
    <emailType>Organizational</emailType>
    <emailAddress>BrandonOlson@JohnsonCityMS.edu</emailAddress>
  </email>
  <primaryAssignment>
    <leaRefId>9BA8379D-9A9D-4D59-9202-E976CADF5526</leaRefId>
    <schoolRefId>66667705-6C51-4C30-A22A-77CEA0FBCF53</schoolRefId>
    <jobFunction>Secondary Teachers</jobFunction>
  </primaryAssignment>
</xStaff>
```

Example 3.19.8-1: xStaff

3.19.9 xStudent

xStudent is a composite object that provides a view of the most commonly used core data elements for students, and references to important associated objects like contacts. The refId of a xStudent object coincides with the refId of a corresponding student object.

SIF_Events are reported for this object.

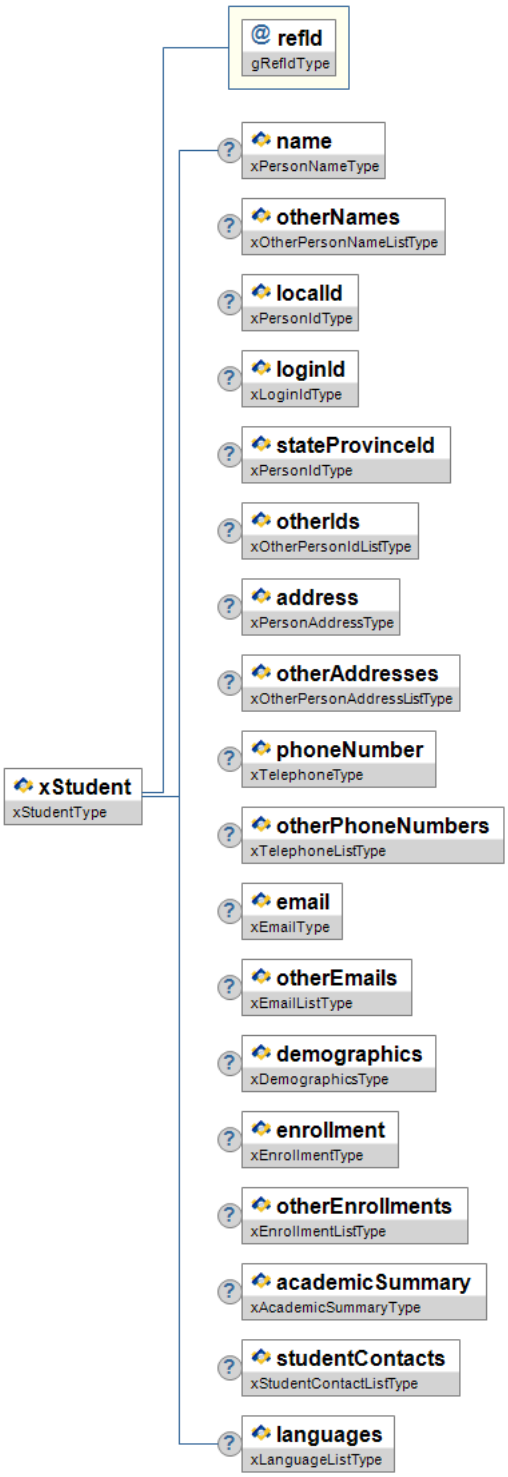

Figure 3.19.9-1: xStudent

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xStudent			xStudent is a composite object that provides a view of the most commonly used core data elements for students, and references to important associated objects like contacts. The refId of a xStudent object coincides with the refId of a corresponding student object.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	refId	M			gRefIdType
	name	O		Name of Student.	xPersonNameType
	otherNames	O			xOtherPersonNameListType
	localId	O	001071 https://ceds.ed.gov/element/001071	A unique number or alphanumeric code assigned to a staff member by a district or LEA.	xPersonIdType
	loginId	O	001170 https://ceds.ed.gov/element/001170	The login identifier for the person.	xLoginIdType
	stateProvinceId	O	001071 https://ceds.ed.gov/element/001071	A unique number or alphanumeric code assigned to a student by a state.	xPersonIdType
	otherIds	O		Other Ids for the student	xOtherPersonIdListType
	address	O		Address of the student.	xPersonAddressType
	otherAddresses	O		Address of the student.	xOtherPersonAddressListType
	phoneNumber	O		Phone number of the student.	xTelephoneType
	otherPhoneNumbers	O		Other phone numbers for the student.	xTelephoneListType
	email	O		Email of the student.	xEmailType
	otherEmails	O		Other emails for the student.	xEmailListType
	demographics	O		Demographic information about the student.	xDemographicsType
	enrollment	O		Current enrollment information for the student.	xEnrollmentType
	otherEnrollments	O		Other enrollment information for the student.	xEnrollmentListType
	academicSummary	O		Summary academic information for the student.	xAcademicSummaryType
	studentContacts	O		Persons that may be contacted regarding the student.	xStudentContactListType
	languages	O		Languages of the student.	xLanguageListType

Table 3.19.9-1: xStudent

JSON

```
{
  "xStudent": {
    "refId": "0A1F09F5-37BB-4111-89E8-037B251832F0",
    "name": {
      "type": "LegalName",
      "familyName": "Huber",
      "givenName": "Hilel",
      "middleName": "W"
    },
    "otherIds": {
      "otherId": [
        {
          "type": "District",
          "id": "625186"
        },
        {
          "type": "State",
          "id": "836454234"
        }
      ]
    },
    "phoneNumber": {
      "phoneNumberType": "Home",
      "number": "5555431753",
      "primaryIndicator": true
    },
    "email": {
      "emailType": "Organizational",
      "emailAddress": "HilelHuber@JohnsonCityMS.edu"
    },
    "otherEmails": {
      "email": [
        {
          "emailType": "Home",
          "emailAddress": "HilelHuber@Personal.com"
        }
      ]
    },
    "demographics": {
      "races": {
        "race": [
          {
            "race": "BlackOrAfricanAmerican"
          }
        ]
      },
      "hispanicLatinoEthnicity": false,
      "sex": "Male",
      "birthDate": "1998-06-10",
      "usCitizenshipStatus": "0"
    },
    "enrollment": {
      "leaRefId": "9BA8379D-9A9D-4D59-9202-E976CADF5526",
      "schoolRefId": "66667705-6C51-4C30-A22A-77CEA0FBCF53",
      "membershipType": "Home",
      "entryDate": "2016-08-24",
      "homeRoomNumber": "265",
      "counselor": {
        "refId": "936647C1-1568-4F43-9E75-00007A8B7ED4",
        "localId": "676834362",
        "givenName": "Felix",
        "familyName": "Pomp"
      }
    },
    "studentContacts": {
      "contactPersonRefId": [
        "3E95AFAC-55C1-44A6-9A31-2C4E25F11A2E",
        "19AD67A8-DF48-4A50-8651-2C738E3585C9"
      ]
    }
  }
}
```


XML

```
<xStudent refId="0A1F09F5-37BB-4111-89E8-037B251832F0">
  <name>
    <type>LegalName</type>
    <familyName>Huber</familyName>
    <givenName>Hilel</givenName>
    <middleName>W</middleName>
  </name>
  <otherIds>
    <otherId>
      <type>District</type>
      <id>625186</id>
    </otherId>
    <otherId>
      <type>State</type>
      <id>836454234</id>
    </otherId>
  </otherIds>
  <phoneNumber>
    <phoneNumberType>Home</phoneNumberType>
    <number>5555431753</number>
    <primaryIndicator>true</primaryIndicator>
  </phoneNumber>
  <email>
    <emailType>Organizational</emailType>
    <emailAddress>HilelHuber@JohnsonCityMS.edu</emailAddress>
  </email>
  <otherEmails>
    <email>
      <emailType>Home</emailType>
      <emailAddress>HilelHuber@Personal.com</emailAddress>
    </email>
  </otherEmails>
  <demographics>
    <races>
      <race>
        <race>BlackOrAfricanAmerican</race>
      </race>
    </races>
    <hispanicLatinoEthnicity>false</hispanicLatinoEthnicity>
    <sex>Male</sex>
    <birthDate>1998-06-10</birthDate>
    <usCitizenshipStatus>0</usCitizenshipStatus>
  </demographics>
  <enrollment>
    <leaRefId>9BA8379D-9A9D-4D59-9202-E976CADF5526</leaRefId>
    <schoolRefId>66667705-6C51-4C30-A22A-77CEA0FBCF53</schoolRefId>
    <membershipType>Home</membershipType>
    <entryDate>2016-08-24</entryDate>
    <homeRoomNumber>265</homeRoomNumber>
    <counselor>
      <refId>936647C1-1568-4F43-9E75-00007A8B7ED4</refId>
      <localId>676834362</localId>
      <givenName>Felix</givenName>
      <familyName>Pomp</familyName>
    </counselor>
  </enrollment>
  <studentContacts>
    <contactPersonRefId>3E95AFAC-55C1-44A6-9A31-2C4E25F11A2E</contactPersonRefId>
    <contactPersonRefId>19AD67A8-DF48-4A50-8651-2C738E3585C9</contactPersonRefId>
  </studentContacts>
</xStudent>
```

Example 3.19.9-1: xStudent

3.19.10 xTransferIep

SIF_Events are reported for this object.

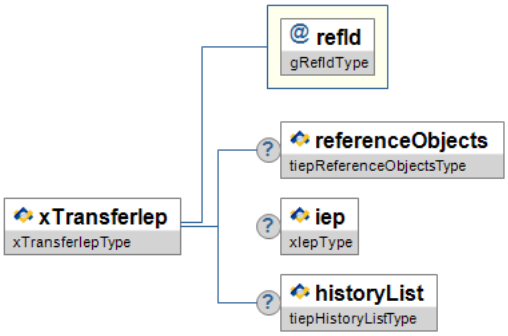

Figure 3.19.10-1: xTransferIep

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	xTransferIep				
@	refId	M			gRefIdType
	referenceObjects	O			tiepReferenceObjectsType
	iep	O			xIepType
	historyList	O			tiepHistoryListType

Table 3.19.10-1: xTransferIep

Appendix A: Common Types

Common and supporting types referenced in this specification are included here as a reference.

A.1 AbstractContentElementType

`AbstractContentPackageType` used as an element rather than an object, omitting `RefId`, `SIF_Metadata` and `SIF_ExtendedElements`.

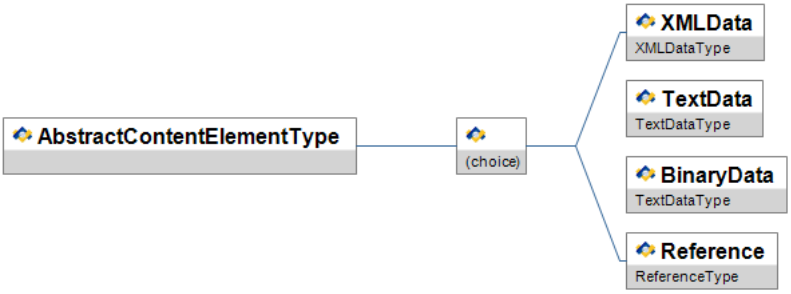

Figure A.1-1: AbstractContentElementType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AbstractContentElementType			`AbstractContentPackageType` used as an element rather than an object, omitting `RefId`, `SIF_Metadata` and `SIF_ExtendedElements`.	
XMLData	C		Contains an arbitary XML element, encoded in UTF-8.	`XMLDataType`
TextData	C		Contains arbitrary text, encoded in UTF-8.	`TextDataType`
BinaryData	C		Contains the base64Binary encoding of binary or text data not encoded in UTF-8.	`TextDataType`
Reference	C		References external content via a URL.	`ReferenceType`

Table A.1-1: AbstractContentElementType

A.2 AbstractContentPackageType

An abstract type for derived content package types, elements and objects. This structure may be used verbatim, optionally extending with additional attributes, or may be redefined to include only a subset of child elements and/or to add validation to XML contained in `XMLData`. Only one instance of `XMLData`, `TextData`, `BinaryData` or `Reference` can occur in a single instance.

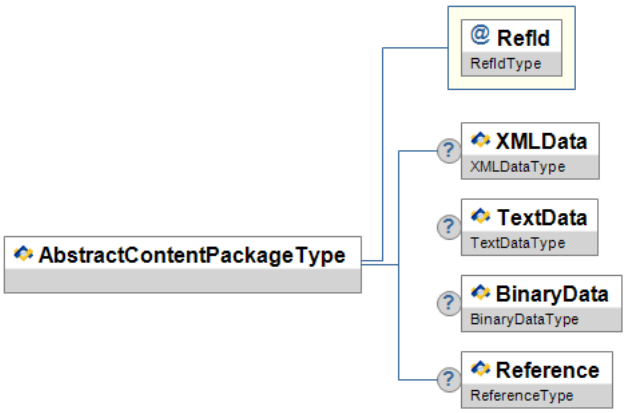

Figure A.2-1: AbstractContentPackageType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AbstractContentPackageType			An abstract type for derived content package types, elements and objects. This structure may be used verbatim, optionally extending with additional attributes, or may be redefined to include only a subset of child elements and/or to add validation to XML contained in `XMLData`. Only one instance of `XMLData`, `TextData`, `BinaryData` or `Reference` can occur in a single instance. AbstractContentPackageType is the base type for the following data types: • ReportPackageType	
@	RefId	M		The GUID that uniquely identifies an instance of the package.	`RefIdType`
	XMLData	C		Contains an arbitary XML element, encoded in UTF-8.	`XMLDataType`
	TextData	C		Contains arbitrary text, encoded in UTF-8.	`TextDataType`
	BinaryData	C		Contains the base64Binary encoding of binary or text data not encoded in UTF-8.	`BinaryDataType`
	Reference	C		References external content via a URL.	`ReferenceType`

Table A.2-1: AbstractContentPackageType

A.3 AcademicFocusListType

Figure A.3-1: AcademicFocusListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AcademicFocusListType				`List`
AcademicFocus	OR		Indicates the general nature and difficulty of instruction provided throughout a course.	`AcademicFocusType`

Table A.3-1: AcademicFocusListType

A.4 AcademicFocusType

Indicates the general nature and difficulty of instruction provided throughout a course.

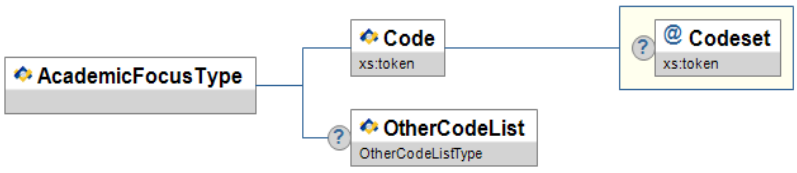

Figure A.4-1: AcademicFocusType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AcademicFocusType	OR		Indicates the general nature and difficulty of instruction provided throughout a course.	
Code	M		A code to depict the focus of the educational program (replaces deprecated `AcademicTrack`.	`xs:token`

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O		Alternate codes indicating the general nature and difficulty of the educational program.	OtherCodeListType

Table A.4-1: AcademicFocusType

A.5 AcademicPerfomanceHistoryTermInfoDataType

Collects elements of interest from TermInfo.

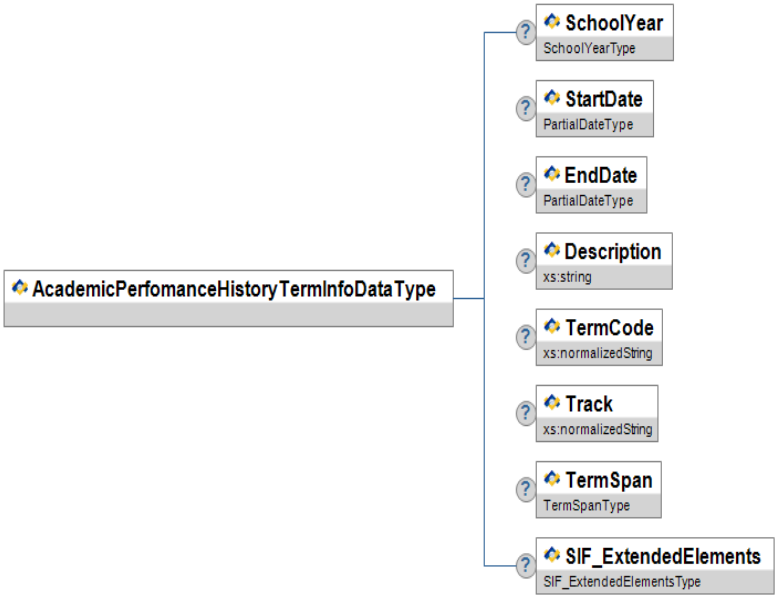

Figure A.5-1: AcademicPerfomanceHistoryTermInfoDataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AcademicPerfomanceHistoryTermInfoDataType			Collects elements of interest from TermInfo.	
	SchoolYear	O			SchoolYearType
	StartDate	O			PartialDateType
	EndDate	O	000253 https://ceds.ed.gov/element/000253		PartialDateType
	Description	O			xs:string
	TermCode	O			xs:normalizedString
	Track	O			xs:normalizedString
	TermSpan	O			TermSpanType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.5-1: AcademicPerfomanceHistoryTermInfoDataType

A.6 AcademicPerformanceHistoryType

Provides a summary of a student's academic performance by reporting period.

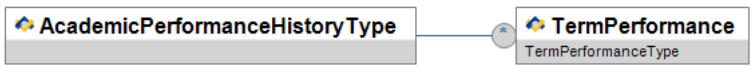

Figure A.6-1: AcademicPerformanceHistoryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AcademicPerformanceHistoryType			Provides a summary of a student's academic performance by reporting period.	List
	TermPerformance	OR		Individual term performance.	TermPerformanceType

Table A.6-1: AcademicPerformanceHistoryType

A.7 AcademicPerformanceSummaryAcademicTrackType

An indication of the general nature and difficulty of instruction provided throughout a course.

Note: This element is deprecated, in favor of the two elements below, beginning with Version 2.2.

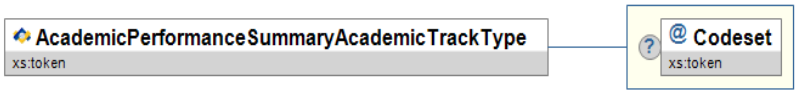

Figure A.7-1: AcademicPerformanceSummaryAcademicTrackType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AcademicPerformanceSummaryAcademicTrackType	O		An indication of the general nature and difficulty of instruction provided throughout a course. Note: This element is deprecated, in favor of the two elements below, beginning with Version 2.2.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.7-1: AcademicPerformanceSummaryAcademicTrackType

A.8 AcademicPerformanceSummaryType

Conveys a cumulative summary of a student's entire academic performance at the time the transcript was generated.

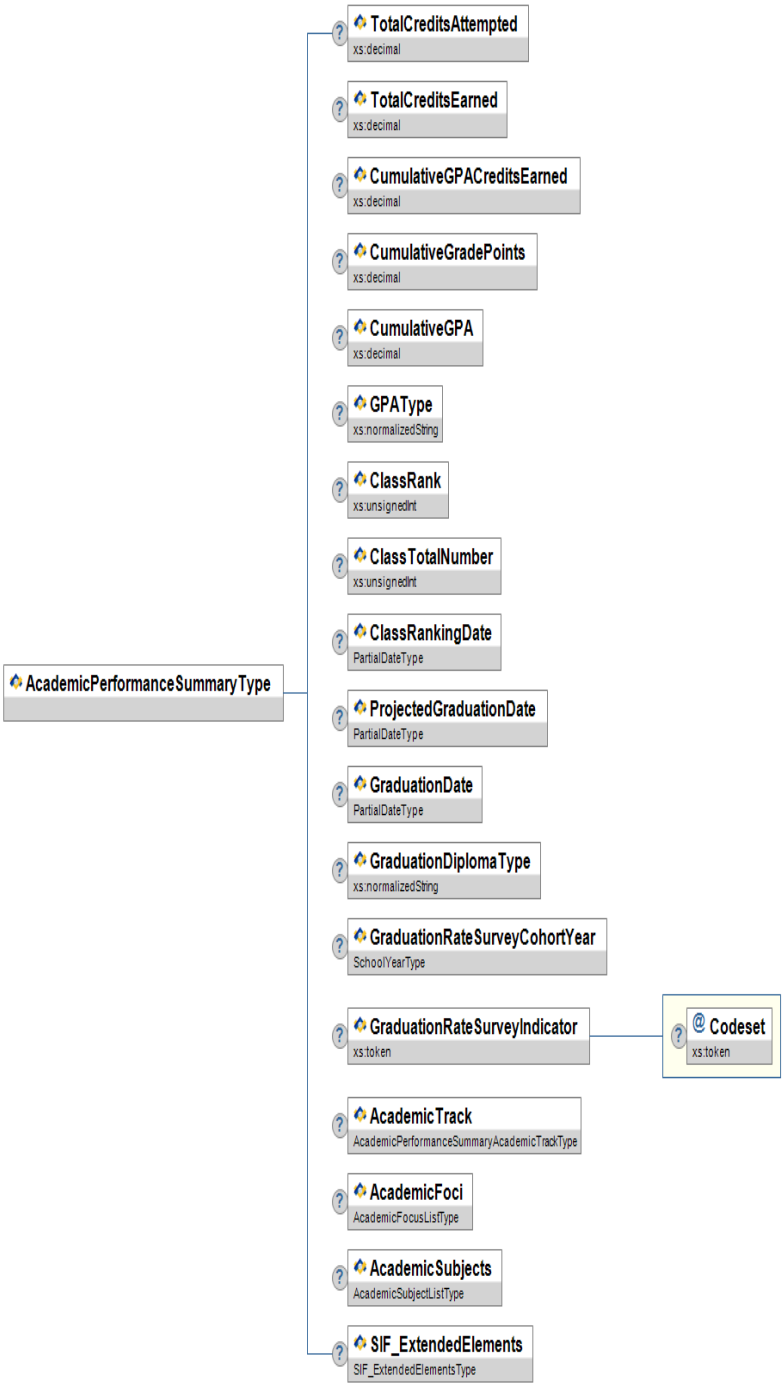

Figure A.8-1: AcademicPerformanceSummaryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AcademicPerformanceSummaryType			Conveys a cumulative summary of a student's entire academic performance at the time the transcript was generated.	
	TotalCreditsAttempted	O	000073 https://ceds.ed.gov/element/000073	Total credits attempted during academic career.	xs:decimal
	TotalCreditsEarned	O	000074 https://ceds.ed.gov/element/000074	Total credits earned during academic career.	xs:decimal
	CumulativeGPACreditsEarned	O	000130 https://ceds.ed.gov/element/000130	Cumulative number of GPA credits earned during academic career.	xs:decimal

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CumulativeGradePoints	O		Cumulative number of grade points earned during academic career.	xs:decimal
	CumulativeGPA	O	000128 https://ceds.ed.gov/element/000128	Cumulative grade point average for academic career.	xs:decimal
	GPAType	O		Brief name/description of type of GPA.	xs:normalizedString
	ClassRank	O	000041 https://ceds.ed.gov/element/000041	Student's rank in graduating class.	xs:unsignedInt
	ClassTotalNumber	O	000294 https://ceds.ed.gov/element/000294	Total number of students in student's graduating class.	xs:unsignedInt
	ClassRankingDate	O	000042 https://ceds.ed.gov/element/000042	Date class ranking was determined.	PartialDateType
	ProjectedGraduationDate	O	000226 https://ceds.ed.gov/element/000226	Projected graduation date.	PartialDateType
	GraduationDate	C	000081 https://ceds.ed.gov/element/000081	Note: Mandatory if graduated. Graduation date.	PartialDateType
	GraduationDiplomaType	C	000138 https://ceds.ed.gov/element/000138	Note: Mandatory if graduated. Type of diploma earned.	xs:normalizedString
	GraduationRateSurveyCohortYear	O	000132 https://ceds.ed.gov/element/000132	The academic year in which a student entered as part of the GRS cohort.	SchoolYearType
	GraduationRateSurveyIndicator	O	000133 https://ceds.ed.gov/element/000133	An indication of whether or not the student is in a GRS cohort; meaning the student began as a first-time, full-time, degree seeking student in the fall of a given year.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	AcademicTrack	O			AcademicPerformanceSummaryAcademicTrackType
	AcademicFoci	O			AcademicFocusListType
	AcademicSubjects	O			AcademicSubjectListType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.8-1: AcademicPerformanceSummaryType

A.9 AcademicSubjectListType

Figure A.9-1: AcademicSubjectListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AcademicSubjectListType				List

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AcademicSubject	OR		Coding to depict an intended subject area.	AcademicSubjectType

Table A.9-1: AcademicSubjectListType

A.10 academicSubjectSimpleType

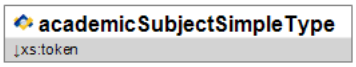

Figure A.10-1: academicSubjectSimpleType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	academicSubjectSimpleType	O			values: 01 02 03 04 05 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Table A.10-1: academicSubjectSimpleType

A.11 AcademicSubjectType

Coding to depict an intended subject area.

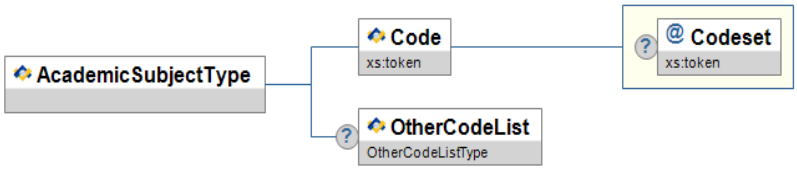

Figure A.11-1: AcademicSubjectType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AcademicSubjectType			Coding to depict an intended subject area.	
	Code	M		A code to depict an academic or vocational discipline studied by an individual in an educational program (based on NCES CIP 2000).	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O		Alternate codes for an academic or vocational discipline studied by an individual in an educational program.	OtherCodeListType

Table A.11-1: AcademicSubjectType

A.12 AccommodationCategoryType

Defines a general category of test accommodation.

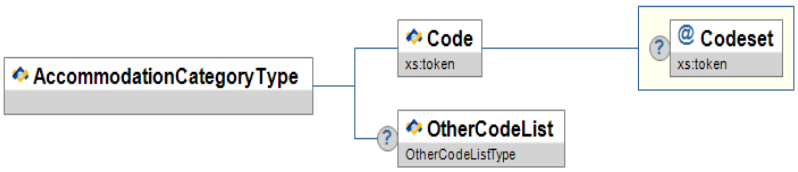

Figure A.12-1: AccommodationCategoryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AccommodationCategoryType	O		Defines a general category of test accommodation.	
	Code	M			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.12-1: AccommodationCategoryType

A.13 accuracyPercentEvaluationSimpleType

Figure A.13-1: accuracyPercentEvaluationSimpleType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	accuracyPercentEvaluationSimpleType	O			xs:decimal

Table A.13-1: accuracyPercentEvaluationSimpleType

A.14 ActionListSpecialConditionType

A description of the special condition. Student special conditions are different from special conditions of the test.

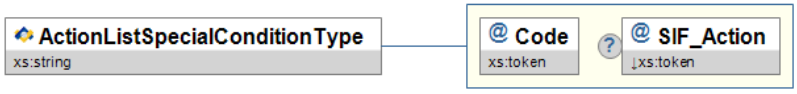

Figure A.14-1: ActionListSpecialConditionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ActionListSpecialConditionType			A description of the special condition. Student special conditions are different from special conditions of the test.	xs:string
@	Code	M		A code indicating the type of special condition.	xs:token
@	SIF_Action	O		In a `Change` event, this flag can be used to indicate an element has been deleted from the parent list container. At a minimum the key for the list must also be present.	values: `Delete`

Table A.14-1: ActionListSpecialConditionType

A.15 ActivityAwardCredentialConferredType

An indicator of the category of credential conferred by a state occupational licensing entity or industry organization for competency in a specific area measured by a set of pre-established standards.

Figure A.15-1: ActivityAwardCredentialConferredType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ActivityAwardCredentialConferredType	O	000783 https://ceds.ed.gov/element/000783	An indicator of the category of credential conferred by a state occupational licensing entity or industry organization for competency in a specific area measured by a set of pre-established standards.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.15-1: ActivityAwardCredentialConferredType

A.16 ActivityAwardDiplomaCredentialHonorsCodeType

The nature of recognition given the student for the successful completion of work in high school.

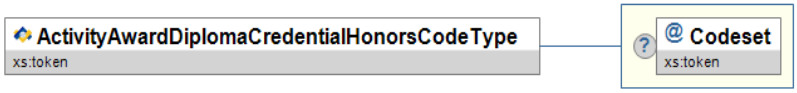

Figure A.16-1: ActivityAwardDiplomaCredentialHonorsCodeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ActivityAwardDiplomaCredentialHonorsCodeType	O	000713 https://ceds.ed.gov/element/000713	The nature of recognition given the student for the successful completion of work in high school.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.16-1: ActivityAwardDiplomaCredentialHonorsCodeType

A.17 ActivityAwardHistoryListType

Note: Mandatory if activities/awards exist. Conveys award the student has received and/or activities in which s/he has been involved.

Figure A.17-1: ActivityAwardHistoryListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ActivityAwardHistoryListType			Note: Mandatory if activities/awards exist. Conveys award the student has received and/or activities in which s/he has been involved.	List
	ActivityAward	MR		A record of an individual award or activity	ActivityAwardHistoryType

Table A.17-1: ActivityAwardHistoryListType

A.18 ActivityAwardHistoryType

A record of an individual award or activity

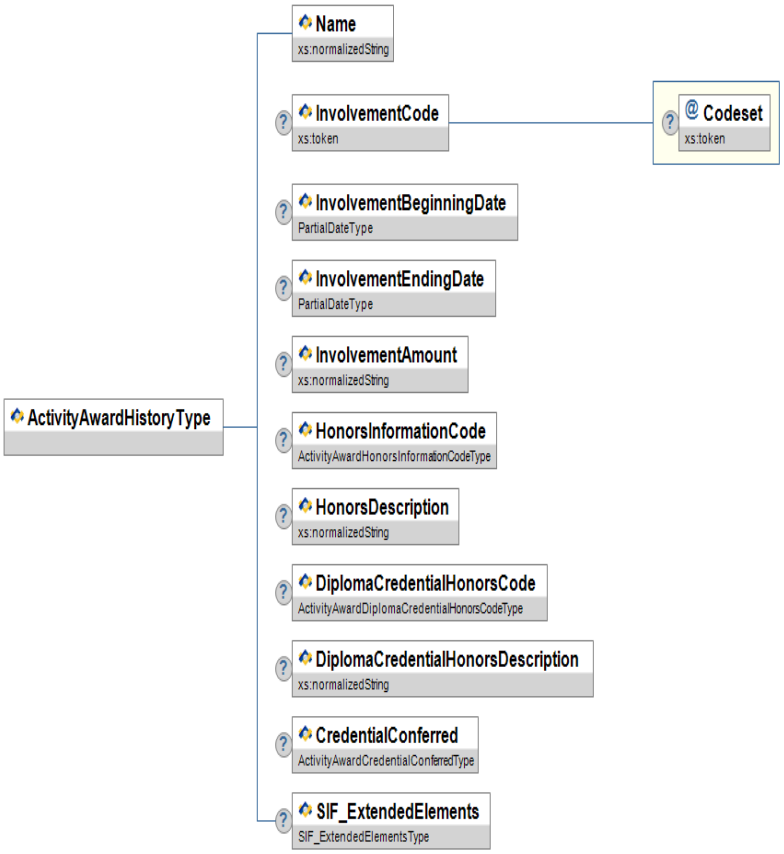

Figure A.18-1: ActivityAwardHistoryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ActivityAwardHistoryType			A record of an individual award or activity	
	Name	M		The title that identifies a particular co-curricular or extra-curricular activity.	xs:normalizedString
	InvolvementCode	O		The code used to identify the co-curricular or extra-curricular activity in which the individual is involved.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	InvolvementBeginningDate	O		The month, day, and year on which the individual began to participate in the activity.	PartialDateType
	InvolvementEndingDate	O		The month, day, and year on which the individual ceased to participate in the activity.	PartialDateType
	InvolvementAmount	O		An indication of the degree to which the individual is involved in the activity (e.g., number of hours per week).	xs:normalizedString
	HonorsInformationCode	O			ActivityAwardHonorsInformationCodeType
	HonorsDescription	O	000150 https://ceds.ed.gov/element/000150	A textual description of the distinction or honor.	xs:normalizedString

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DiplomaCredentialHonorsCode	O			ActivityAwardDiplomaCredentialHonorsCodeType
	DiplomaCredentialHonorsDescription	O	000229 https://ceds.ed.gov/element/000229	A textual description of the recognition.	xs:normalizedString
	CredentialConferred	O			ActivityAwardCredentialConferredType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.18-1: ActivityAwardHistoryType

A.19 ActivityAwardHonorsInformationCodeType

A designation of the type of academic distinctions or other honors earned by or awarded to the student.

Note: `HonorsInformationCode` and `HonorsDescription` are related to honors (athletic award, citizenship award/recognition, medals, honor society membership, etc.) *other* than graduation and scholar awards and scholarships. `DiplomaCredentialHonorsCode` and `DiplomaCredentialHonorsDescription` are focused on graduation honors like cum laude designations (magna, summa), scholar and honors awards, scholarships, and such.

Figure A.19-1: ActivityAwardHonorsInformationCodeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ActivityAwardHonorsInformationCodeType	O		A designation of the type of academic distinctions or other honors earned by or awarded to the student. Note: `HonorsInformationCode` and `HonorsDescription` are related to honors (athletic award, citizenship award/recognition, medals, honor society membership, etc.) *other* than graduation and scholar awards and scholarships. `DiplomaCredentialHonorsCode` and `DiplomaCredentialHonorsDescription` are focused on graduation honors like cum laude designations (magna, summa), scholar and honors awards, scholarships, and such.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.19-1: ActivityAwardHonorsInformationCodeType

A.20 ActivityEvaluationType

Field for non-numeric types of grading and evaluation such as "narrative."

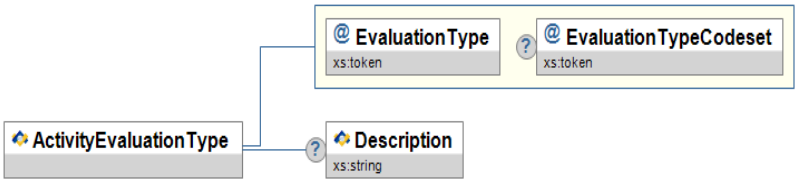

Figure A.20-1: ActivityEvaluationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ActivityEvaluationType	O		Field for non-numeric types of grading and evaluation such as "narrative."	
@	EvaluationType	M		A qualifer for what type of evaluation this is. Valid values are "Inline" and "RefId". Inline values are contained in the optional Description element, RefIds are contained in the AssessmentRefId element.	xs:token
@	EvaluationTypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Element/@Attribute	Char	CEDS Id/URL	Description	Type
Description	O		A free text description of the evaluation to be used for this activity	xs:string

Table A.20-1: ActivityEvaluationType

A.21 ActivityRefIdListType

Links to Activity objects

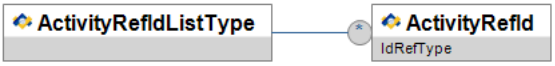

Figure A.21-1: ActivityRefIdListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ActivityRefIdListType			Links to Activity objects	List
ActivityRefId	OR		Link to Activity object	IdRefType

Table A.21-1: ActivityRefIdListType

A.22 ActivityTimeType

Time structures for an activity.

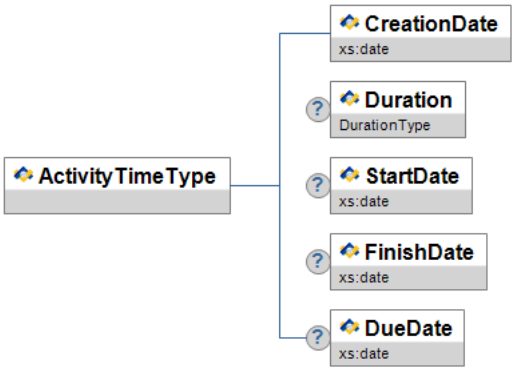

Figure A.22-1: ActivityTimeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ActivityTimeType			Time structures for an activity.	
CreationDate	M		Creation date of the activity.	xs:date
Duration	O		Time required to complete the activity.	DurationType
StartDate	O		Date activity is started.	xs:date
FinishDate	O		Date activity is finished.	xs:date

Element/@Attribute	Char	CEDS Id/URL	Description	Type
DueDate	O		Date activity is due.	xs:date

Table A.22-1: ActivityTimeType

A.23 AdditionalGraduationRequirementPerformanceHistoryListType

Note: Mandatory if additional graduation requirements exist. Conveys a student's achievements in relation to additional graduation requirements.

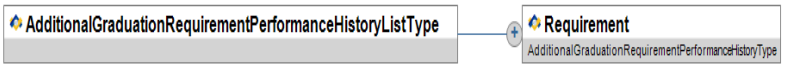

Figure A.23-1: AdditionalGraduationRequirementPerformanceHistoryListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AdditionalGraduationRequirementPerformanceHistoryListType			Note: Mandatory if additional graduation requirements exist. Conveys a student's achievements in relation to additional graduation requirements.	List
Requirement	MR		A record of performance in an individual graduation requirement.	AdditionalGraduationRequirementPerformanceHistoryType

Table A.23-1: AdditionalGraduationRequirementPerformanceHistoryListType

A.24 AdditionalGraduationRequirementPerformanceHistoryType

A record of performance in an individual graduation requirement.

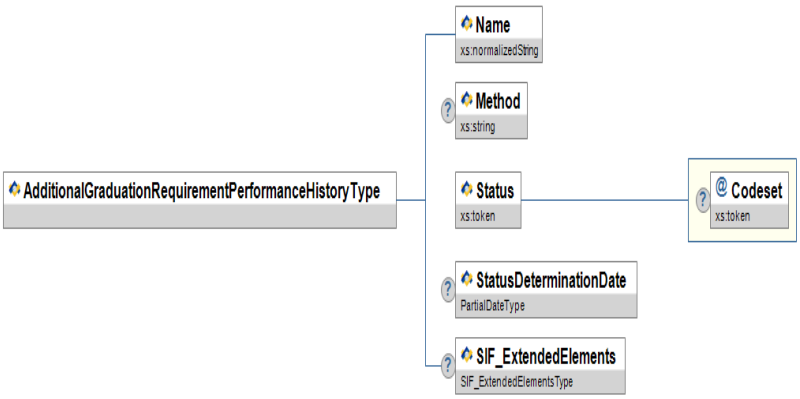

Figure A.24-1: AdditionalGraduationRequirementPerformanceHistoryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AdditionalGraduationRequirementPerformanceHistoryType			A record of performance in an individual graduation requirement.	
Name	M		Textual description of the requirement.	xs:normalizedString
Method	O		The method by which the requirement was met.	xs:string
Status	M		Student's status with regard to the requirement.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	StatusDeterminationDate	O		Date the student's status was determined.	PartialDateType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.24-1: AdditionalGraduationRequirementPerformanceHistoryType

A.25 AddressCountryType

Figure A.25-1: AddressCountryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AddressCountryType	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.25-1: AddressCountryType

A.26 AddressListType

A list of Address elements.

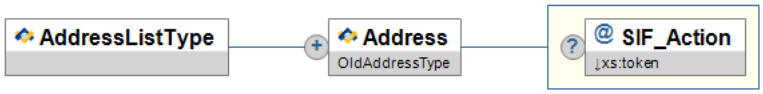

Figure A.26-1: AddressListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AddressListType			A list of Address elements.	ActionList (Address/@Type)
	Address	MR			Extension of OldAddressType
@	SIF_Action	O		In a Change event, this flag can be used to indicate an element has been deleted from the parent list container. At a minimum the key for the list must also be present.	values: Delete

Table A.26-1: AddressListType

JSON

```
{
  "AddressList": {
    "Address": [
      {
        "Type": "0123",
        "Street": {
          "Line1": "1 IBM Plaza",
          "Line2": "Suite 2000",
          "StreetNumber": "1",
          "StreetName": "IBM",
          "StreetType": "Plaza",
          "ApartmentType": "Suite",
          "ApartmentNumber": "2000"
        },
        "City": "Chicago",
        "County": "Cook",
        "StateProvince": {
          "value": "IL"
        },
        "Country": {
          "value": "US"
        },
        "PostalCode": "60611",
        "GridLocation": {
          "Latitude": 41.85,
          "Longitude": -87.65
        }
      }
    ]
  }
}
```


XML


```
<AddressList>
  <Address Type="0123">
    <Street>
      <Line1>1 IBM Plaza</Line1>
      <Line2>Suite 2000</Line2>
      <StreetNumber>1</StreetNumber>
      <StreetName>IBM</StreetName>
      <StreetType>Plaza</StreetType>
      <ApartmentType>Suite</ApartmentType>
      <ApartmentNumber>2000</ApartmentNumber>
    </Street>
    <City>Chicago</City>
    <County>Cook</County>
    <StateProvince>IL</StateProvince>
    <Country>US</Country>
    <PostalCode>60611</PostalCode>
    <GridLocation>
      <Latitude>41.850000</Latitude>
      <Longitude>-87.650000</Longitude>
    </GridLocation>
  </Address>
</AddressList>
```


Example A.26-1: AddressListType

A.27 AddressRefIdListType

References to separate potentially reusable, shared, or pre-verified addresses.

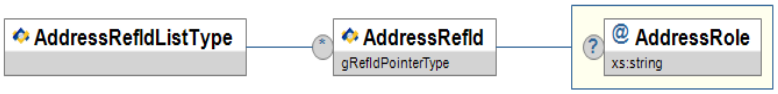

Figure A.27-1: AddressRefIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AddressRefIdListType			References to separate potentially reusable, shared, or pre-verified addresses.	
	AddressRefId	OR		Reference to an address.	gRefIdPointerType
@	AddressRole	O		The type or function of the address, e.g., summer address, mailing address, residential address, etc.	xs:string

Table A.27-1: AddressRefIdListType

A.28 AddressStateProvinceType

A first-order national subdivision of the country, e.g. state, province.

Figure A.28-1: AddressStateProvinceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AddressStateProvinceType	O		A first-order national subdivision of the country, e.g. state, province.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.28-1: AddressStateProvinceType

A.29 AddressSubregionType

A second-order subdivision of the country, e.g. county, shire.

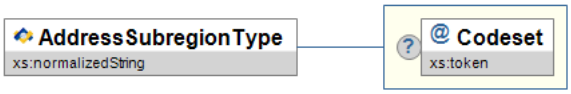

Figure A.29-1: AddressSubregionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AddressSubregionType	O		A second-order subdivision of the country, e.g. county, shire.	xs:normalizedString
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.29-1: AddressSubregionType

A.30 AgeGroupListType

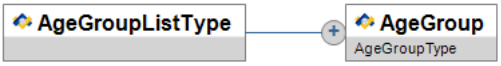

Figure A.30-1: AgeGroupListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AgeGroupListType				List
	AgeGroup	MR		The age range of special education students taught.	AgeGroupType

Table A.30-1: AgeGroupListType

A.31 AgeGroupType

The age range of special education students taught.

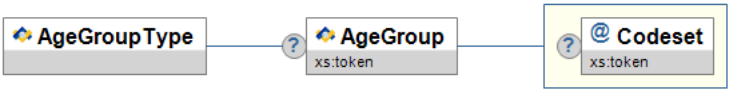

Figure A.31-1: AgeGroupType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AgeGroupType				
	AgeGroup	O	000564 https://ceds.ed.gov/element/000564	The age range of special education students taught.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.31-1: AgeGroupType

A.32 AggregateCharacteristicInfoRefIdListType

Reference to one or more `AggregateCharacteristicInfo` objects.

Figure A.32-1: AggregateCharacteristicInfoRefIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AggregateCharacteristicInfoRefIdListType			Reference to one or more `AggregateCharacteristicInfo` objects.	List
	AggregateCharacteristicInfoRefId	MR		Reference to an `AggregateCharacteristicInfo` object.	IdRefType

Table A.32-1: AggregateCharacteristicInfoRefIdListType

A.33 AggregateStatisticInfoLocationType

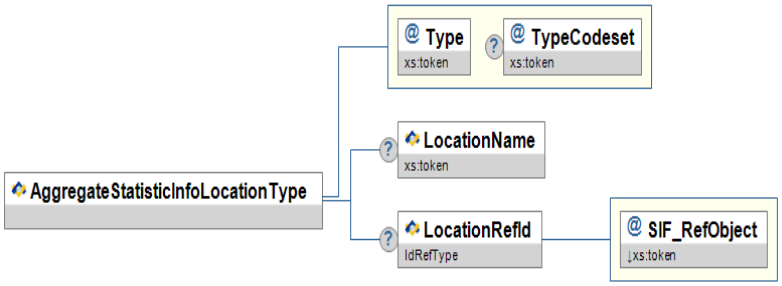

Figure A.33-1: AggregateStatisticInfoLocationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AggregateStatisticInfoLocationType				
@	Type	M			xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	LocationName	O		Name of the location	xs:token
	LocationRefId	O		`RefId` of the location object if the location is a SIF object such as `SchoolInfo`.	IdRefType
@	SIF_RefObject	M		Type of SIF object `Location` points to.	values: SchoolInfo LEAInfo RoomInfo

Table A.33-1: AggregateStatisticInfoLocationType

A.34 AlertMessagesType

A list of alert messages associated with the student.

Figure A.34-1: AlertMessagesType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AlertMessagesType	O		A list of alert messages associated with the student.	List
	AlertMessage	MR		This is an alert message that is associated with the student.	AlertMessageType

Table A.34-1: AlertMessagesType

A.35 AlertMessageType

This is an alert message that is associated with the student.

Figure A.35-1: AlertMessageType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AlertMessageType	MR		This is an alert message that is associated with the student.	xs:string
@	Type	M		This attribute specifies what type of alert message this is.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.35-1: AlertMessageType

A.36 AlternateIdentificationCodeListType

A list of alphanumeric Id codes as defined by the organization to identify a statement.

Figure A.36-1: AlternateIdentificationCodeListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AlternateIdentificationCodeListType			A list of alphanumeric Id codes as defined by the organization to identify a statement.	List
	AlternateIdentificationCode	MR		An alphanumeric Id code as defined by the organization to identify a statement.	xs:normalizedString

Table A.36-1: AlternateIdentificationCodeListType

A.37 AnnualItemAccountTypeDetailType

Use AccountTypeDetail when AccountType is "Other". For instance, when an AccountType="Other", and the AccountTypeDetail value is Long Term Asset.

Figure A.37-1: AnnualItemAccountTypeDetailType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AnnualItemAccountTypeDetailType	O		Use AccountTypeDetail when AccountType is "Other". For instance, when an AccountType="Other", and the AccountTypeDetail value is Long Term Asset.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.37-1: AnnualItemAccountTypeDetailType

A.38 AnnualItemExpenditureAreaType

Relative area in which the expenditure was used.

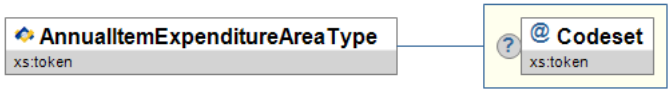

Figure A.38-1: AnnualItemExpenditureAreaType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AnnualItemExpenditureAreaType	O		Relative area in which the expenditure was used.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.38-1: AnnualItemExpenditureAreaType

A.39 AnnualItemFundTypeType

Is the account a general or special account code designation?

Figure A.39-1: AnnualItemFundTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AnnualItemFundTypeType	M		Is the account a general or special account code designation?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.39-1: AnnualItemFundTypeType

A.40 AnnualItemGLAmountTypeType

General Ledger Amount Type. With regard to an account code grouping classified as a General Ledger account:

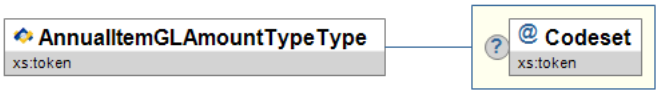

Figure A.40-1: AnnualItemGLAmountTypeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AnnualItemGLAmountTypeType	O		General Ledger Amount Type. With regard to an account code grouping classified as a General Ledger account:	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.40-1: AnnualItemGLAmountTypeType

A.41 AnnualItemListType

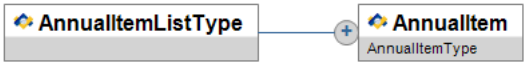

Figure A.41-1: AnnualItemListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AnnualItemListType				List
	AnnualItem	MR		Contains information about the item being summarized.	AnnualItemType

Table A.41-1: AnnualItemListType

A.42 AnnualItemSpecialAmountTypeType

With regard to regional/local education service agencies report of "special" account code information, the account code summarization can be classified as:

Figure A.42-1: AnnualItemSpecialAmountTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AnnualItemSpecialAmountTypeType	O		With regard to regional/local education service agencies report of "special" account code information, the account code summarization can be classified as:	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.42-1: AnnualItemSpecialAmountTypeType

A.43 AnnualItemType

Contains information about the item being summarized.

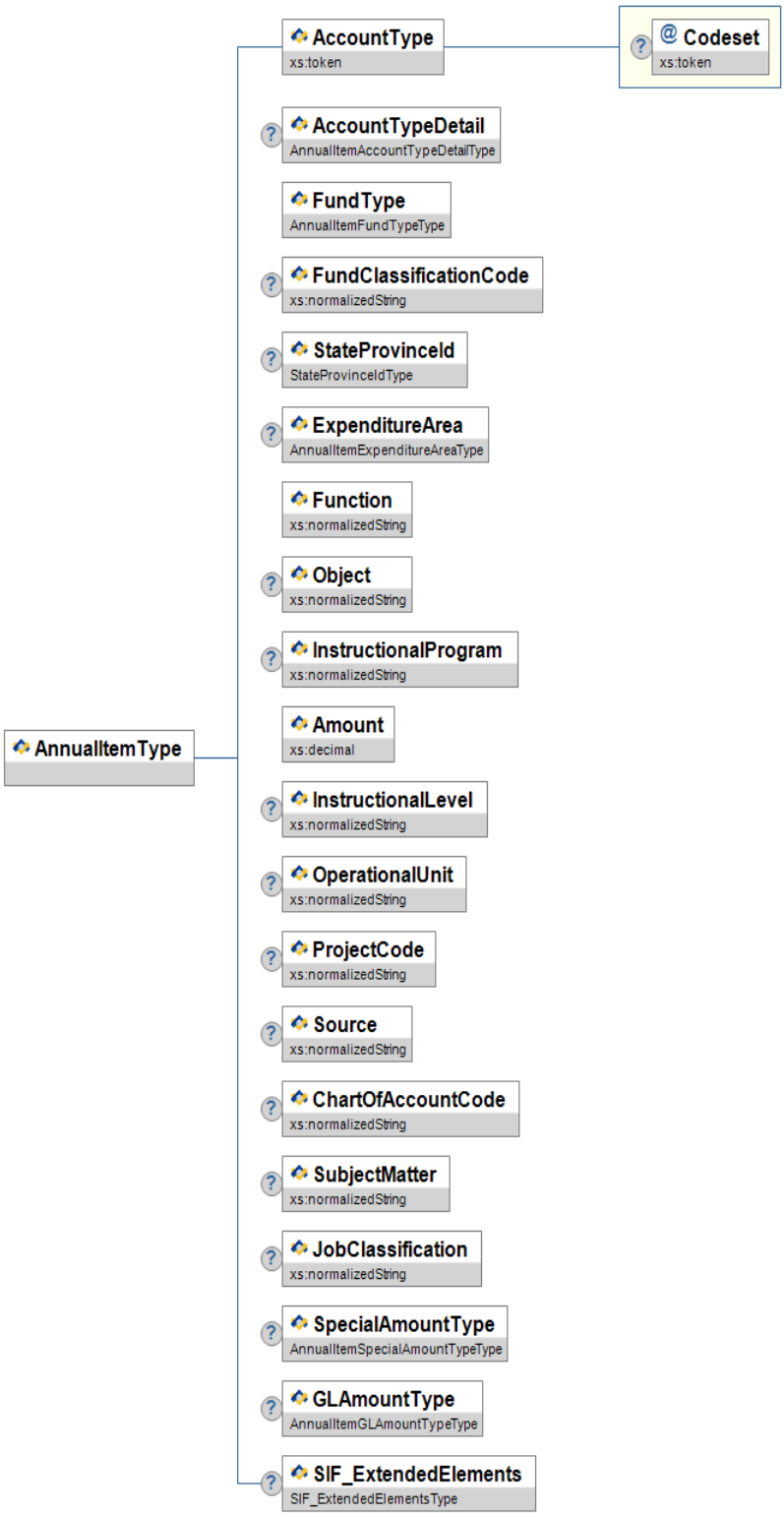

Figure A.43-1: AnnualItemType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AnnualItemType			Contains information about the item being summarized.	
	AccountType	M		Classification of budgetary account code summary	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AccountTypeDetail	O			AnnualItemAccountTypeDetailType
	FundType	M			AnnualItemFundTypeType
	FundClassificationCode	O		A fund is a separate fiscal and accounting entity with a self-balancing set of accounts recording cash and other financial resources, together with all related liabilities and residual equities or balances, or changes therein, e.g. the code for Debt Service Funds, or Capital Projects Funds, or Pension Funds, to name a few examples.	xs:normalizedString
	StateProvinceId	O		State-assigned Id for the relative area in which the expenditure/revenue was used.	StateProvinceIdType
	ExpenditureArea	O			AnnualItemExpenditureAreaType
	Function	M		Function break in account code for summarization. The function describes the activity for which a service or material object is acquired. (Definition from NCES, Financial Accounting for Local and State School Systems.)	xs:normalizedString
	Object	O		Object break in account code for summarization. The function describes the activity for which a service or material object is acquired. (Definition from NCES, Financial Accounting for Local and State School Systems.)	xs:normalizedString
	InstructionalProgram	O		Instructional program break in account code for summarization	xs:normalizedString
	Amount	M		Summarized amount.	xs:decimal
	InstructionalLevel	O		An identifier for the level of instruction provided by the facility or operational unit e.g. Middle, Elementary, Prekindergarten, Charter This has greater granularity than the SIF element ExpenditureArea. Examples Middle Elementary Prekindergarten Adult Education Elementary and Secondary combined Community/Junior College	xs:normalizedString
	OperationalUnit	O		The code for a location, building, organization code, facility or site. For example, this code can identify a Charter School or Maintenance Facility.	xs:normalizedString
	ProjectCode	O		A code used for project reporting. For instance, according to NCES, this code can be parsed to identify the particular funding source, authority, or expenditure purpose for which a special record or report is required, and to identify particular projects and the fiscal year of the appropriation within that funding source.	xs:normalizedString
	Source	O		Codes used for recording revenue and other receivables by source, e.g. codes for Taxes Levied/Assessed by the School District, Sales and Use Taxes, code for Textbook Sales and Rentals, etc.	xs:normalizedString
	ChartOfAccountCode	O		Balance Sheet account number used for an Asset, Liability, or Equity (equity also known as Net Asset or Fund Balance), e.g. a code for Cash in Bank, or Interfund Loans Payable, or Unreserved Fund Balance, etc.	xs:normalizedString
	SubjectMatter	O		The actual code that identifies the organization of subject matter and related learning experiences provided for the instruction of students.	xs:normalizedString

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	JobClassification	O		A code that classifies an expense; a description of the specific group of duties and responsibilities, e.g. Staff Career Development Alternatives. (NCES, National Education Data Model, http://nces.ed.gov/forum/datamodel/eiebrowser/techview.aspx?instance=staffAssignment'amp';attrib=Professional-Educational_Job_Classification).	xs:normalizedString
	SpecialAmountType	O			AnnualItemSpecialAmountTypeType
	GLAmountType	O			AnnualItemGLAmountTypeType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.43-1: AnnualItemType

A.44 ApplicableLawListType

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Figure A.44-1: ApplicableLawListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ApplicableLawListType			.	
	ApplicableLaw	OR			ApplicableLawType

Table A.44-1: ApplicableLawListType

A.45 ApplicableLawType

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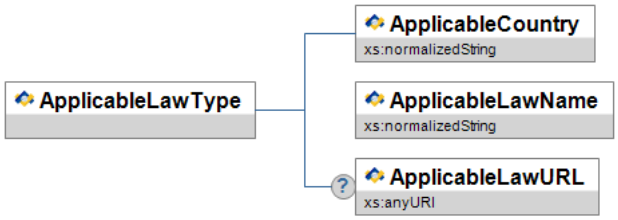

Figure A.45-1: ApplicableLawType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ApplicableLawType			.	
	ApplicableCountry	M	000050 https://ceds.ed.gov/element/000050	We can type this, list of countries?	xs:normalizedString
	ApplicableLawName	M		The name of the law that must be observed for this individual.	xs:normalizedString
	ApplicableLawURL	O			xs:anyURI

Table A.45-1: ApplicableLawType

A.46 ApprovalListType

Authorizations to use this resource. For example, this resource may be included as part of the district's standard curriculum model.

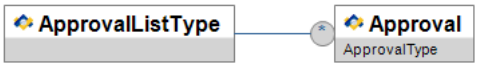

Figure A.46-1: ApprovalListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ApprovalListType			Authorizations to use this resource. For example, this resource may be included as part of the district's standard curriculum model.	List
	Approval	OR		A sub-element containing an authorization to use this resource. For example, this resource may be included as part of the district's standard curriculum model.	ApprovalType

Table A.46-1: ApprovalListType

A.47 ApprovalType

A sub-element containing an authorization to use this resource. For example, this resource may be included as part of the district's standard curriculum model.

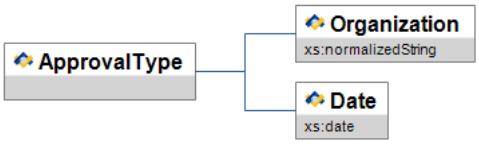

Figure A.47-1: ApprovalType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ApprovalType			A sub-element containing an authorization to use this resource. For example, this resource may be included as part of the district's standard curriculum model.	
	Organization	M		Name of agency that approved use of resource.	xs:normalizedString
	Date	M		Date resource was approved.	xs:date

Table A.47-1: ApprovalType

A.48 AssessmentDescriptorListType

Describes what type of assessment this represents.

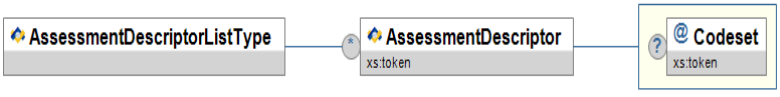

Figure A.48-1: AssessmentDescriptorListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssessmentDescriptorListType	O		Describes what type of assessment this represents.	List
	AssessmentDescriptor	OR	000029 https://ceds.ed.gov/element/000029		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.48-1: AssessmentDescriptorListType

A.49 AssessmentFormNumberListType

Reference numbers for the form.

Figure A.49-1: AssessmentFormNumberListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AssessmentFormNumberListType	O		Reference numbers for the form.	List
FormNumber	MR	000366 https://ceds.ed.gov/element/000366	Reference number for the form.	xs:token

Table A.49-1: AssessmentFormNumberListType

A.50 AssessmentItemChoiceListType

Choices of responses to an assessment item.

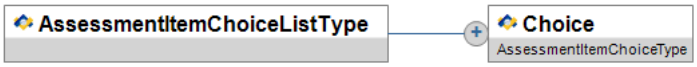

Figure A.50-1: AssessmentItemChoiceListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AssessmentItemChoiceListType	C		Choices of responses to an assessment item.	
Choice	MR			AssessmentItemChoiceType

Table A.50-1: AssessmentItemChoiceListType

A.51 AssessmentItemChoiceType

Choice of responses to an assessment item.

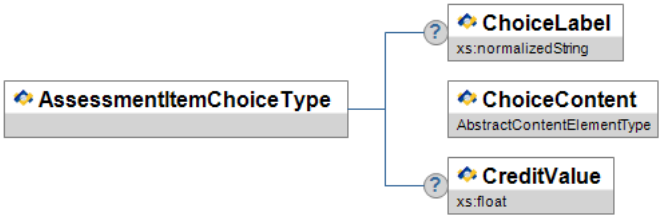

Figure A.51-1: AssessmentItemChoiceType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AssessmentItemChoiceType			Choice of responses to an assessment item.	
ChoiceLabel	O		A choice number or other identifier for the choice. It may be used to indicate the order or grouping of the choices.	xs:normalizedString
ChoiceContent	M		The text of the choice, such as `true`, `27`, or `Important economic and social factors`.	AbstractContentElementType
CreditValue	O		A numeric value that indicates the amount of credit awarded for choosing the choice.	xs:float

Table A.51-1: AssessmentItemChoiceType

A.52 AssessmentPerformanceHistoryListType

Note: Mandatory if assessments exist. Conveys a history of assessments that the student has taken throughout his/her academic career.

Figure A.52-1: AssessmentPerformanceHistoryListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AssessmentPerformanceHistoryListType			Note: Mandatory if assessments exist. Conveys a history of assessments that the student has taken throughout his/her academic career.	List
Assessment	MR		A record of performance on an individual assessment.	AssessmentPerformanceHistoryType

Table A.52-1: AssessmentPerformanceHistoryListType

A.53 AssessmentPerformanceHistoryType

A record of performance on an individual assessment.

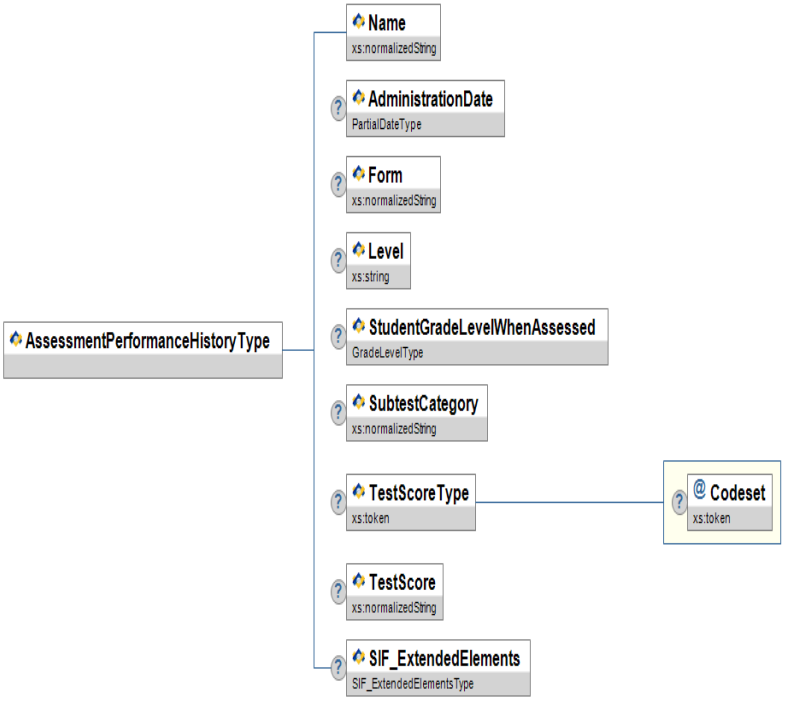

Figure A.53-1: AssessmentPerformanceHistoryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AssessmentPerformanceHistoryType			A record of performance on an individual assessment.	
Name	M		Textual description of assessment.	xs:normalizedString
AdministrationDate	O		Date the assessment was administered.	PartialDateType
Form	O	000024 https://ceds.ed.gov/element/000024	Form, version or edition of the test.	xs:normalizedString

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Level	O		Free-form text description of the level of the test.	xs:string
	StudentGradeLevelWhenAssessed	O		Student's grade level when assessed.	GradeLevelType
	SubtestCategory	O		The subtest or subject category of the assessment.	xs:normalizedString
	TestScoreType	O		Type of test score.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	TestScore	O		Test score.	xs:normalizedString
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.53-1: AssessmentPerformanceHistoryType

A.54 AssessmentStudentSnapshotELLType

Figure A.54-1: AssessmentStudentSnapshotELLType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssessmentStudentSnapshotELLType	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.54-1: AssessmentStudentSnapshotELLType

A.55 AssessmentStudentSnapshotGenderType

Person's gender.

Figure A.55-1: AssessmentStudentSnapshotGenderType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssessmentStudentSnapshotGenderType	O		Person's gender.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.55-1: AssessmentStudentSnapshotGenderType

A.56 AssessmentStudentSnapshotTitle1Type

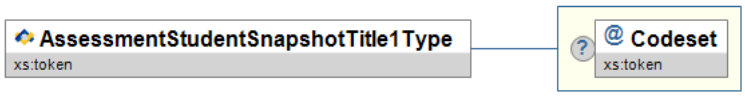

Figure A.56-1: AssessmentStudentSnapshotTitle1Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssessmentStudentSnapshotTitle1Type	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.56-1: AssessmentStudentSnapshotTitle1Type

A.57 AssessmentStudentSnapshotType

The status of the student at the time of testing. The source of this information is meant to be the assessment system and not the student information system.

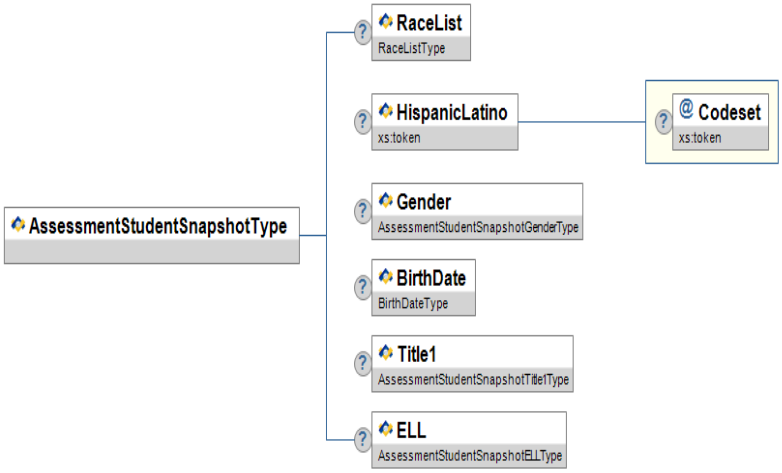

Figure A.57-1: AssessmentStudentSnapshotType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssessmentStudentSnapshotType			The status of the student at the time of testing. The source of this information is meant to be the assessment system and not the student information system.	
	RaceList	O		Person's race	RaceListType
	HispanicLatino	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Gender	O			AssessmentStudentSnapshotGenderType
	BirthDate	O		The person's date of birth.	BirthDateType
	Title1	O			AssessmentStudentSnapshotTitle1Type
	ELL	O			AssessmentStudentSnapshotELLType

Table A.57-1: AssessmentStudentSnapshotType

A.58 AssessmentSubTestRefIdListType

Associated subtests (score types). Each form can provide scores in one or more subtest areas.

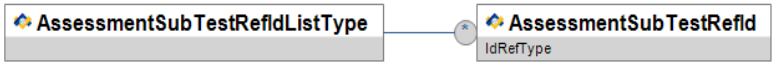

Figure A.58-1: AssessmentSubTestRefIdListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AssessmentSubTestRefIdListType	O		Associated subtests (score types). Each form can provide scores in one or more subtest areas.	List
AssessmentSubTestRefId	OR	000245 https://ceds.ed.gov/element/000245	A subtest identified by RefId.	IdRefType

Table A.58-1: AssessmentSubTestRefIdListType

A.59 AssignmentTimeType

Time structures for an assignment.

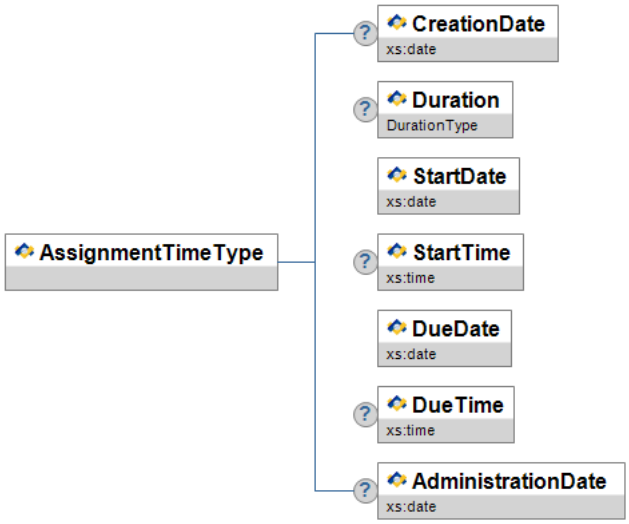

Figure A.59-1: AssignmentTimeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AssignmentTimeType			Time structures for an assignment.	
CreationDate	O		Creation date of the assignment	xs:date
Duration	O		Time required to complete the assignment.	DurationType
StartDate	M		Date assignment is started.	xs:date
StartTime	O		Time assignment is started.	xs:time
DueDate	M		Date assignment is due.	xs:date
DueTime	O		Time assignment is due.	xs:time
AdministrationDate	O		Date that the assignment was administered to student if an assessment.	xs:date

Table A.59-1: AssignmentTimeType

A.60 AssociatedObjectListType

References from component to associated elements within another SIF object.

Figure A.60-1: AssociatedObjectListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssociatedObjectListType			References from component to associated elements within another SIF object.	List
	AssociatedObject	OR		Reference from component to associated elements within another SIF object.	IdRefType
@	SIF_RefObject	M		Attribute that identifies the type of SIF object being referenced.	ObjectNameType

Table A.60-1: AssociatedObjectListType

A.61 AssociatedRoleRefIdType

The RefId of the *Personal SIF_Object representing this Person's role .

Figure A.61-1: AssociatedRoleRefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AssociatedRoleRefIdType			The RefId of the *Personal SIF_Object representing this Person's role .	IdRefType
@	Zone_Id	O		The ZoneId for the target object.	xs:token
@	Type	M		The object type of the Person's associated role.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.61-1: AssociatedRoleRefIdType

A.62 AttendanceCodeInfoAttendanceStatusType

Excused status of the attendance code.

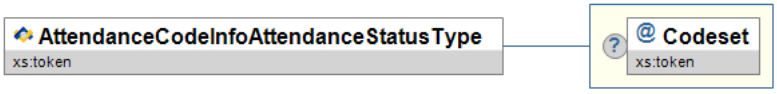

Figure A.62-1: AttendanceCodeInfoAttendanceStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AttendanceCodeInfoAttendanceStatusType	M	000076 https://ceds.ed.gov/element/000076	Excused status of the attendance code.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.62-1: AttendanceCodeInfoAttendanceStatusType

A.63 AttendanceCodeInfoUsedForDailyAttendanceType

Is this attendance code used for daily attendance?

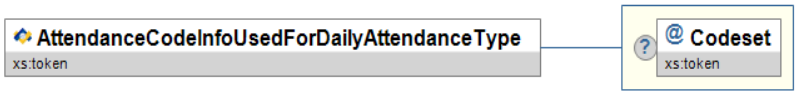

Figure A.63-1: AttendanceCodeInfoUsedForDailyAttendanceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AttendanceCodeInfoUsedForDailyAttendanceType	M		Is this attendance code used for daily attendance?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.63-1: AttendanceCodeInfoUsedForDailyAttendanceType

A.64 AttendanceCodeInfoUsedForPeriodAttendanceType

Is this attendance code used for period attendance?

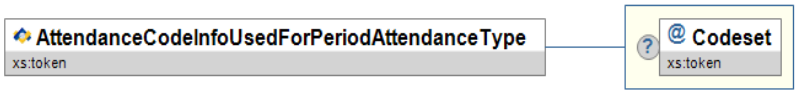

Figure A.64-1: AttendanceCodeInfoUsedForPeriodAttendanceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AttendanceCodeInfoUsedForPeriodAttendanceType	M		Is this attendance code used for period attendance?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.64-1: AttendanceCodeInfoUsedForPeriodAttendanceType

A.65 AttendanceCodeType

The local attendance code.

Figure A.65-1: AttendanceCodeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AttendanceCodeType	M		The local attendance code.	xs:token
@	AttendanceCodeInfoRefId	M			IdRefType

Table A.65-1: AttendanceCodeType

A.66 AttendanceInfoType

Information describing how the day relates to attendance.

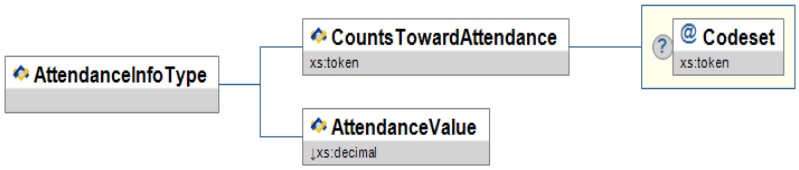

Figure A.66-1: AttendanceInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AttendanceInfoType	O		Information describing how the day relates to attendance.	
	CountsTowardAttendance	M		Designates whether this date should be counted toward student attendance.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	AttendanceValue	M		Amount of the school day in which the student should be in attendance (Format is x.x; a student who should be in attendance a full day would be represented as 1.0). If `CountsTowardAttendance` equals `Yes` then `AttendanceValue` must be greater than zero.	xs:decimal xs:minInclusive 0 xs:maxInclusive 1 xs:fractionDigits 1

Table A.66-1: AttendanceInfoType

A.67 AuditInfoCreationUserType

Information about which staff member created this attendance record.

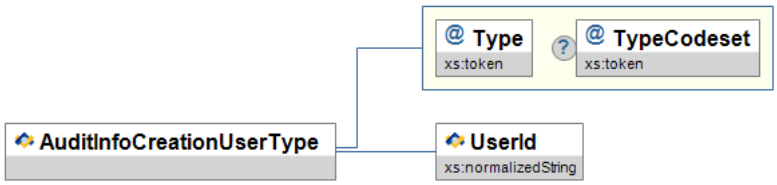

Figure A.67-1: AuditInfoCreationUserType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AuditInfoCreationUserType			Information about which staff member created this attendance record.	
@	Type	M		The role of the staff member for that created this attendance record.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	UserId	M		Unique identifier of the user that created the attendance record. This will depend on the user and the source. The preferred identifier would be a RefId for a StaffPersonal, StudentContact, or StudentPersonal Object. However, the user may not be associated with any of these SIF objects. In that case a unique Id given by the source should be used.	xs:normalizedString

Table A.67-1: AuditInfoCreationUserType

A.68 AuthenticationInfoSystemType

An identifying string for the system that supports this authentication information.

Figure A.68-1: AuthenticationInfoSystemType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AuthenticationInfoSystemType			An identifying string for the system that supports this authentication information.	xs:normalizedString xs:maxLength 255
@	Type	M		Specific type of user identification.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.68-1: AuthenticationInfoSystemType

A.69 AuthenticationInfoType

The authentication information for one system.

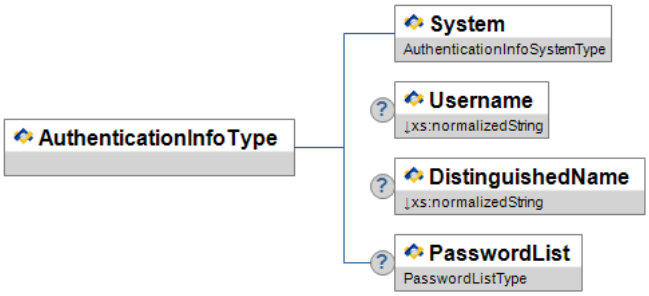

Figure A.69-1: AuthenticationInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AuthenticationInfoType			The authentication information for one system.	
	System	M		An identifying string for the system that supports this authentication information.	AuthenticationInfoSystemType
	Username	O		The identification string for this user.	xs:normalizedString xs:maxLength 64
	DistinguishedName	O		This is the distinguished name of the user in a network directory system.	xs:normalizedString xs:maxLength 255
	PasswordList	O		Allows a provider or publisher to specify the same password using multiple algorithms, if supported.	PasswordListType

Table A.69-1: AuthenticationInfoType

A.70 authorizingOfficialsListType

Education officials authorizing

Figure A.70-1: authorizingOfficialsListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
authorizingOfficialsListType			Education officials authorizing	
authorizingOfficial	O		Proved identity of authorizing official	iepCommonAuthorizingPersonType

Table A.70-1: authorizingOfficialsListType

A.71 AuthorListType

Names of authors

Figure A.71-1: AuthorListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
AuthorListType	O		Names of authors	List
Author	OR		Name of author	xs:normalizedString

Table A.71-1: AuthorListType

A.72 BackgroundCheckListType

List of background checks performed on employee

Figure A.72-1: BackgroundCheckListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
BackgroundCheckListType			List of background checks performed on employee	List
BackgroundCheck	OR		Information about background check done on employee	BackgroundCheckType

Table A.72-1: BackgroundCheckListType

A.73 BackgroundCheckType

Information about background check done on employee

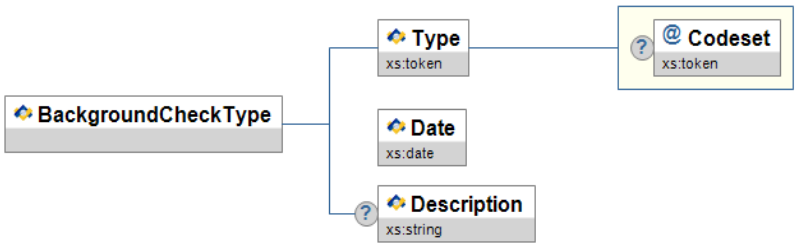

Figure A.73-1: BackgroundCheckType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BackgroundCheckType			Information about background check done on employee	
	Type	M		Background check type	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Date	M		Date on which background type was checked	xs:date
	Description	O		Description of background check performed	xs:string

Table A.73-1: BackgroundCheckType

A.74 BaselineListType

List of pre-assessment data used to evaluate the student on the learning objective.

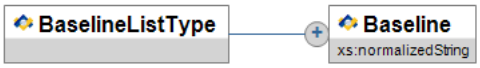

Figure A.74-1: BaselineListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BaselineListType	O		List of pre-assessment data used to evaluate the student on the learning objective.	List
	Baseline	MR		The pre-assessment data to evaluate the student on the learning objective.	xs:normalizedString

Table A.74-1: BaselineListType

A.75 BaseNameType

Base type, without attributes, for `Name` elements, primarily to allow structure to be leveraged with different `Type` attribute values.

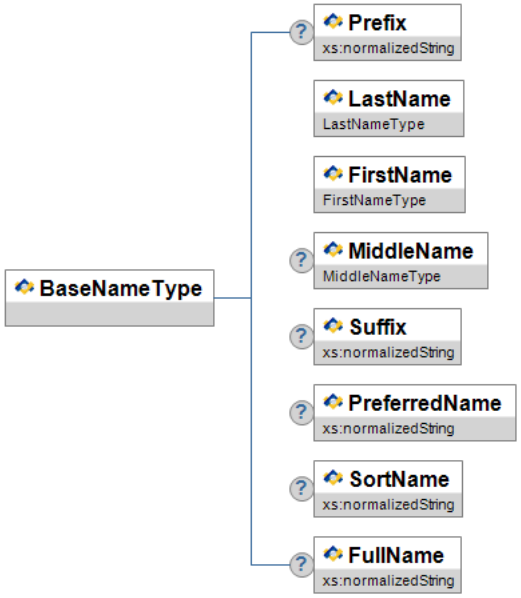

Figure A.75-1: BaseNameType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
BaseNameType			Base type, without attributes, for `Name` elements, primarily to allow structure to be leveraged with different `Type` attribute values. BaseNameType is the base type for the following data types: • OtherNameType • NameOfRecordType • NameType	
Prefix	O	000212 https://ceds.ed.gov/element/000212	A prefix associated with the name like Mr., Ms., etc.	xs:normalizedString
LastName	M	000172 https://ceds.ed.gov/element/000172	The last name.	LastNameType
FirstName	M	000115 https://ceds.ed.gov/element/000115	The first name.	FirstNameType
MiddleName	O	000184 https://ceds.ed.gov/element/000184	The middle name or initial.	MiddleNameType
Suffix	O		Generation of suffix like II, Jr., etc.	xs:normalizedString
PreferredName	O		This is a name that the person prefers to be called by.	xs:normalizedString
SortName	O		This is the name to be used for sorting purposes.	xs:normalizedString
FullName	O		A free text field for the complete name.	xs:normalizedString

Table A.75-1: BaseNameType

JSON

```
{
  "Name": {
    "Prefix": "Mr.",
    "LastName": "Woodall",
    "FirstName": "Charles",
    "MiddleName": "William",
    "PreferredName": "Chuck"
  }
}
```

XML

```
<Name>
  <Prefix>Mr.</Prefix>
  <LastName>Woodall</LastName>
  <FirstName>Charles</FirstName>
  <MiddleName>William</MiddleName>
  <PreferredName>Chuck</PreferredName>
</Name>
```

Example A.75-1: BaseNameType

A.76 BellPeriodListType

The bell periods for this school year bell schedule.

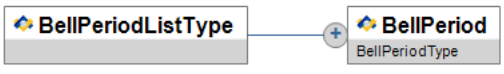

Figure A.76-1: BellPeriodListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
BellPeriodListType	M		The bell periods for this school year bell schedule.	List
BellPeriod	MR		An entry for each unique bell period for the bell schedule.	BellPeriodType

Table A.76-1: BellPeriodListType

A.77 BellPeriodType

An entry for each unique bell period for the bell schedule.

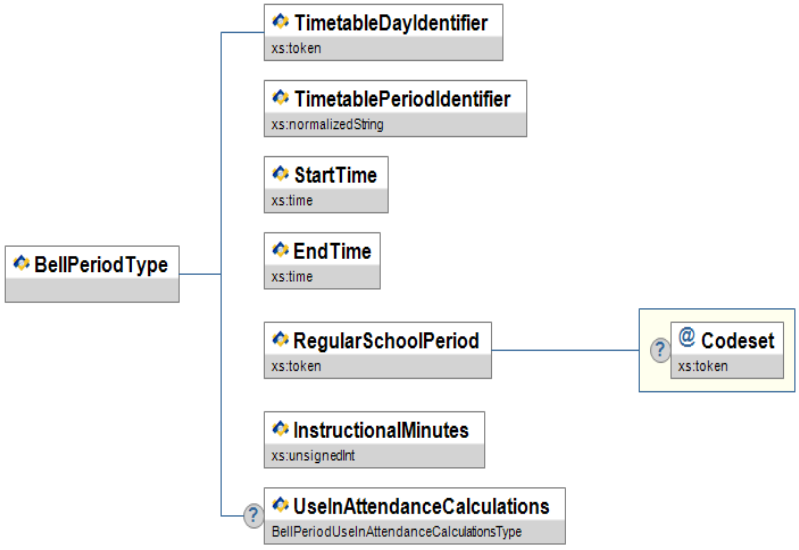

Figure A.77-1: BellPeriodType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BellPeriodType	MR		An entry for each unique bell period for the bell schedule.	
	TimetableDayIdentifier	M		The unique identifier for the timetable day used for the bell period (from the day list above).	xs:token
	TimetablePeriodIdentifier	M		The unique identifier for the timetable period used for the bell period (from the period list above).	xs:normalizedString
	StartTime	M		The starting time for the bell period.	xs:time
	EndTime	M		The ending time for the bell period.	xs:time
	RegularSchoolPeriod	M		Indicates if the bell period is part of the regular school day (i.e. is not a before or after school or break period).	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	InstructionalMinutes	M		The number of minutes to be counted for instruction for the bell period.	xs:unsignedInt
	UseInAttendanceCalculations	O			BellPeriodUseInAttendanceCalculationsType

Table A.77-1: BellPeriodType

A.78 BellPeriodUseInAttendanceCalculationsType

Indicates if the bell period should be included in attendance calculations.

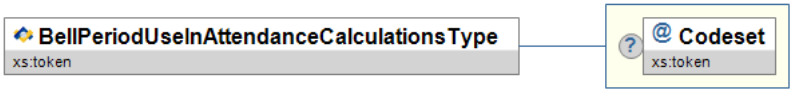

Figure A.78-1: BellPeriodUseInAttendanceCalculationsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BellPeriodUseInAttendanceCalculationsType	M		Indicates if the bell period should be included in attendance calculations.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.78-1: BellPeriodUseInAttendanceCalculationsType

A.79 BellScheduleDayListType

A list of the bell schedules and the timetable day from that bell schedule to be used for the calendar date.

Figure A.79-1: BellScheduleDayListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BellScheduleDayListType	O		A list of the bell schedules and the timetable day from that bell schedule to be used for the calendar date.	List
	BellScheduleDay	MR			BellScheduleDayType

Table A.79-1: BellScheduleDayListType

A.80 BellScheduleDayType

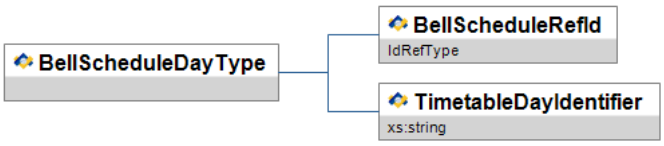

Figure A.80-1: BellScheduleDayType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BellScheduleDayType	MR			
	BellScheduleRefId	M		The GUID of a bell schedule to be utilized for the calendar date.	IdRefType
	TimetableDayIdentifier	M		The unique identifier of a timetable day to be utilized for the calendar date (from the list of timetable days defined for the calendar in the referenced BellSchedule object).	xs:string

Table A.80-1: BellScheduleDayType

A.81 BinaryDataType

Contains the base64Binary encoding of binary or text data not encoded in UTF-8.

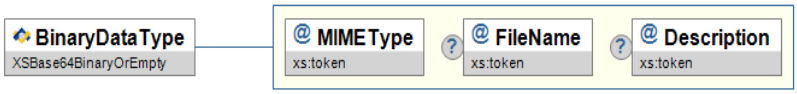

Figure A.81-1: BinaryDataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BinaryDataType	C		Contains the base64Binary encoding of binary or text data not encoded in UTF-8.	xs:base64Binary
@	MIMEType	M		MIME type to indicate the content type.	xs:token
@	FileName	O		Optional file name to indicate the file from which the content originated, or to suggest a name to use when saving the content.	xs:token
@	Description	O		Contains an optional description of the content or a processing hint with regard to its structure (e.g. named standard, file layout or XSD). Contents may be mandated in instances of this type, or types that follow the `AbstractContentPackageType` pattern.	xs:token

Table A.81-1: BinaryDataType

A.82 BirthDateType

A person's date of birth.

Figure A.82-1: BirthDateType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BirthDateType			A person's date of birth.	xs:date

Table A.82-1: BirthDateType

JSON

```
{
  "BirthDate": "1970-08-11"
}
```

XML

```
<BirthDate>1970-08-11</BirthDate>
```

Example A.82-1: BirthDateType

A.83 BloomsTaxonomyLevelsType

This is a taxonomy of educational objectives based on three "domains:" Affective, Psychomotor, and Cognitive. For the purposes of assigning attributes to learning resources, the SIF specification is limited to the cognitive domain, including knowledge, comprehension, application, analysis, synthesis and evaluation.

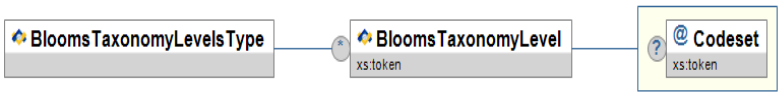

Figure A.83-1: BloomsTaxonomyLevelsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BloomsTaxonomyLevelsType	O		This is a taxonomy of educational objectives based on three "domains:" Affective, Psychomotor, and Cognitive. For the purposes of assigning attributes to learning resources, the SIF specification is limited to the cognitive domain, including knowledge, comprehension, application, analysis, synthesis and evaluation.	List
	BloomsTaxonomyLevel	OR			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.83-1: BloomsTaxonomyLevelsType

A.84 BudgetAccountListType

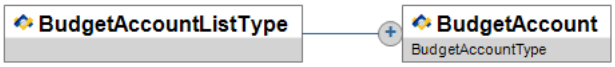

Figure A.84-1: BudgetAccountListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BudgetAccountListType				List
	BudgetAccount	MR		Information about budget accounts being submitted.	BudgetAccountType

Table A.84-1: BudgetAccountListType

A.85 BudgetAccountType

Information about budget accounts being submitted.

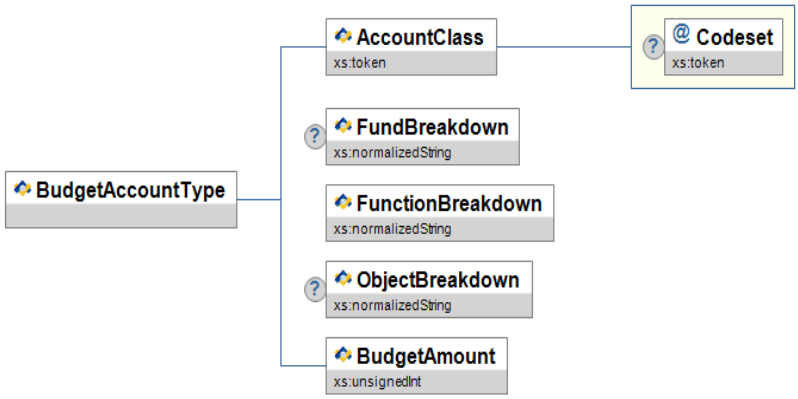

Figure A.85-1: BudgetAccountType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BudgetAccountType			Information about budget accounts being submitted.	
	AccountClass	M		Classification of budgetary account code summary	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Element/@Attribute	Char	CEDS Id/URL	Description	Type
FundBreakdown	O		Fund breakdown of account code for summarization.	xs:normalizedString
FunctionBreakdown	M		Function breakdown of account code for summarization.	xs:normalizedString
ObjectBreakdown	O		Object breakdown of account code for summarization.	xs:normalizedString
BudgetAmount	M		Summarized, positive amount without cents for breakdowns	xs:unsignedInt

Table A.85-1: BudgetAccountType

A.86 BusInfoEquipmentListType

Describes any special equipment that is on this bus.

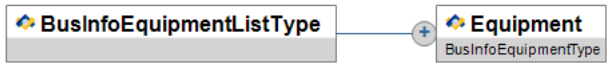

Figure A.86-1: BusInfoEquipmentListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
BusInfoEquipmentListType			Describes any special equipment that is on this bus.	List
Equipment	MR		Inventories each piece of special equipment on the bus.	BusInfoEquipmentType

Table A.86-1: BusInfoEquipmentListType

A.87 BusInfoEquipmentType

Inventories each piece of special equipment on the bus.

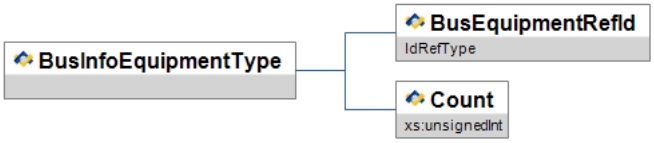

Figure A.87-1: BusInfoEquipmentType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
BusInfoEquipmentType			Inventories each piece of special equipment on the bus.	
BusEquipmentRefId	M		GUID that identifies the type of equipment.	IdRefType
Count	M		The number of pieces of this type of equipment that are on this bus.	xs:unsignedInt

Table A.87-1: BusInfoEquipmentType

A.88 BusPositionStudentListType

A list of students and their statuses in BusPositionInfo. The complete list may be sent with some events (e.g. change in RouteStatus) per district policy, but it is more typical of responses.

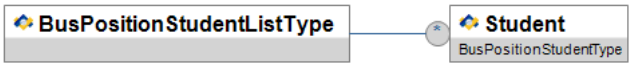

Figure A.88-1: BusPositionStudentListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
BusPositionStudentListType			A list of students and their statuses in BusPositionInfo. The complete list may be sent with some events (e.g. change in RouteStatus) per district policy, but it is more typical of responses.	List
Student	OR		Each student's status.	BusPositionStudentType

Table A.88-1: BusPositionStudentListType

A.89 BusPositionStudentType

Each student's status in BusPositionInfo.

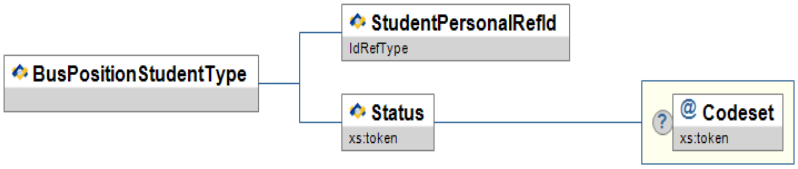

Figure A.89-1: BusPositionStudentType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
BusPositionStudentType			Each student's status in BusPositionInfo.	
StudentPersonalRefId	M		GUID that identifies the student that this element refers to.	IdRefType
Status	M		Boarding status of this student. Note: Values `Sched`, `On` and `Off` are typical of responses. Values `Entered` and `Exited` are typical of events.	xs:token
@ Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.89-1: BusPositionStudentType

A.90 BusRouteStatusType

If the bus is running a route, this element must be included in the object. Absence means the bus is not operating a route.

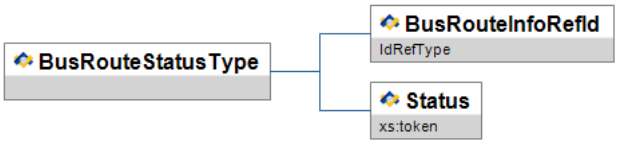

Figure A.90-1: BusRouteStatusType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
BusRouteStatusType			If the bus is running a route, this element must be included in the object. Absence means the bus is not operating a route.	
BusRouteInfoRefId	M		The GUID that identifies the route.	IdRefType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Status	M		Status of the route.	xs:token

Table A.90-1: BusRouteStatusType

A.91 BusStaffListType

List identifying other staff. This may include aides, nurses, proctors, etc.

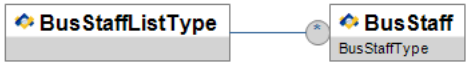

Figure A.91-1: BusStaffListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BusStaffListType			List identifying other staff. This may include aides, nurses, proctors, etc.	List
	BusStaff	OR		Information about an individual staff member on the bus.	BusStaffType

Table A.91-1: BusStaffListType

A.92 BusStaffType

Information identifying the driver or other staff on a bus.

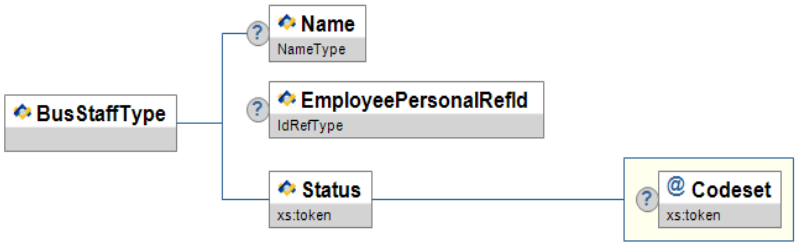

Figure A.92-1: BusStaffType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	BusStaffType			Information identifying the driver or other staff on a bus.	
	Name	C		The name of the bus staff. Condition is that at least one of this and EmployeePersonalRefId must be included.	NameType
	EmployeePersonalRefId	C		The GUID of the staff's EmployeePersonal object. Condition is that at least one of this and Name must be included.	IdRefType
	Status	M		Boarding status of the staff.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.92-1: BusStaffType

A.93 CalculationRuleType

Rule for calculating the aggregate statistic

Figure A.93-1: CalculationRuleType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CalculationRuleType	O		Rule for calculating the aggregate statistic	xs:string
@	Type	M			xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.93-1: CalculationRuleType

A.94 CalendarDateInfoType

Calendar date type information.

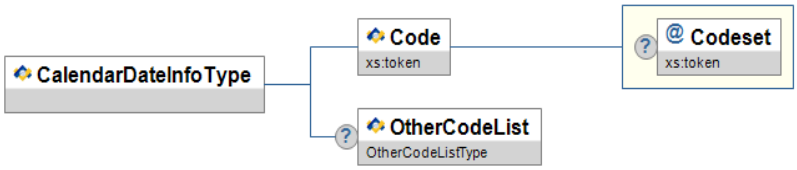

Figure A.94-1: CalendarDateInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CalendarDateInfoType	M		Calendar date type information.	
	Code	M	000603 https://ceds.ed.gov/element/000603	Code indicating the type of school day.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.94-1: CalendarDateInfoType

A.95 CheckoutInfoType

If the item is currently checked out to this person, this element contains the date and time that the item is due to be returned.

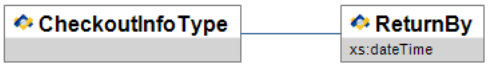

Figure A.95-1: CheckoutInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CheckoutInfoType			If the item is currently checked out to this person, this element contains the date and time that the item is due to be returned.	
	ReturnBy	M		The date and time that this item is due to be returned.	xs:dateTime

Table A.95-1: CheckoutInfoType

A.96 ComponentObjectListType

Component objects, if any, that make up this object.

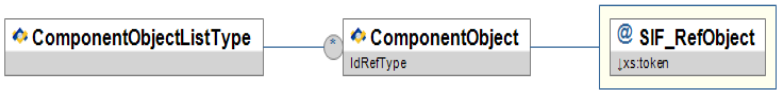

Figure A.96-1: ComponentObjectListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ComponentObjectListType	O		Component objects, if any, that make up this object.	List
	ComponentObject	OR		A GUID reference to a component object.	IdRefType
@	SIF_RefObject	M		The type of learning object being referenced.	values: CurriculumStructure Lesson Activity Assessment LearningResource

Table A.96-1: ComponentObjectListType

A.97 CongressionalDistrictType

Common element used to indicate the number of the U.S. Congressional District in which an entity resides or is physically located.

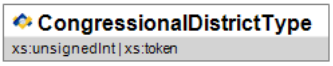

Figure A.97-1: CongressionalDistrictType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
CongressionalDistrictType			Number for the US congressional district. While typically numerical, this element does allow for text values to cover exceptions, e.g. to indicate an "at-large" district as in Wyoming.	union of: xs:unsignedInt xs:token

Table A.97-1: CongressionalDistrictType

JSON

```
{
  "CongressionalDistrict": "3"
}
```

XML

```
<CongressionalDistrict>3</CongressionalDistrict>
```

Example A.97-1: CongressionalDistrictType

A.98 ConsentToSharingOfDataContainerType

Container for sharing of data

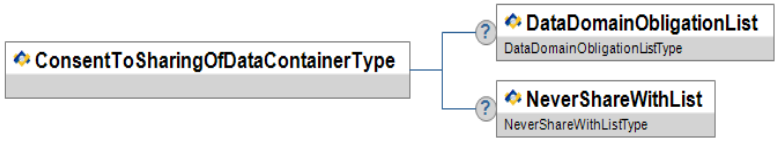

Figure A.98-1: ConsentToSharingOfDataContainerType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ConsentToSharingOfDataContainerType	M		Container for sharing of data	
	DataDomainObligationList	O			DataDomainObligationListType
	NeverShareWithList	O			NeverShareWithListType

Table A.98-1: ConsentToSharingOfDataContainerType

A.99 ContactFlagsAccessToRecordsType

Does this contact have access to the student's records?

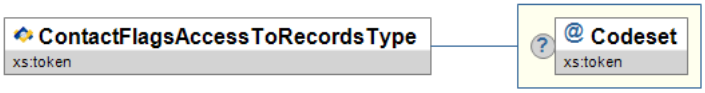

Figure A.99-1: ContactFlagsAccessToRecordsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContactFlagsAccessToRecordsType	C		Does this contact have access to the student's records?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.99-1: ContactFlagsAccessToRecordsType

A.100 ContactFlagsDisciplinaryContactType

Is this person to be contacted in case of disciplinary action?

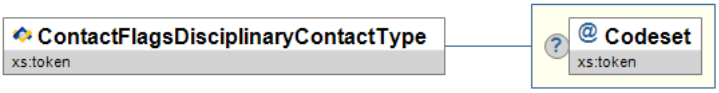

Figure A.100-1: ContactFlagsDisciplinaryContactType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContactFlagsDisciplinaryContactType	C		Is this person to be contacted in case of disciplinary action?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.100-1: ContactFlagsDisciplinaryContactType

A.101 ContactFlagsEmergencyContactType

Should this contact be notified in case of emergency?

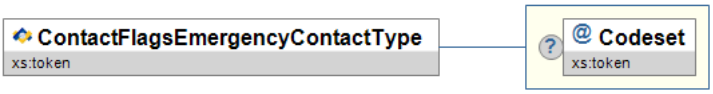

Figure A.101-1: ContactFlagsEmergencyContactType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContactFlagsEmergencyContactType	C		Should this contact be notified in case of emergency?	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.101-1: ContactFlagsEmergencyContactType

A.102 ContactFlagsHasCustodyType

Does this contact have or share custody of the student?

Figure A.102-1: ContactFlagsHasCustodyType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContactFlagsHasCustodyType	C		Does this contact have or share custody of the student?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.102-1: ContactFlagsHasCustodyType

A.103 ContactFlagsLivesWithType

Does the student live with this contact?

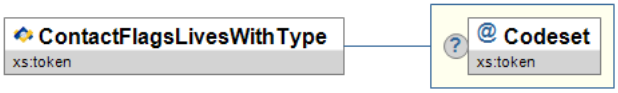

Figure A.103-1: ContactFlagsLivesWithType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContactFlagsLivesWithType	C		Does the student live with this contact?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.103-1: ContactFlagsLivesWithType

A.104 ContactFlagsOtherType

This person has a relationship to student(s) that the school needs to document but no other contact flag value is 'Yes'. An example is a parent who enrolled the student but is deceased and is no longer a valid contact.

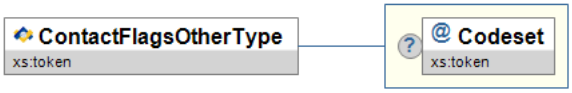

Figure A.104-1: ContactFlagsOtherType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContactFlagsOtherType	C		This person has a relationship to student(s) that the school needs to document but no other contact flag value is 'Yes'. An example is a parent who enrolled the student but is deceased and is no longer a valid contact.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.104-1: ContactFlagsOtherType

A.105 ContactFlagsPickupRightsType

This element tells whether or not the contact has pickup rights.

Figure A.105-1: ContactFlagsPickupRightsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContactFlagsPickupRightsType	C		This element tells whether or not the contact has pickup rights.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.105-1: ContactFlagsPickupRightsType

A.106 ContactFlagsPrimaryCareProviderType

Does this person provide daily living or personal assistance to the student?

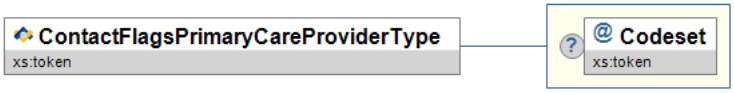

Figure A.106-1: ContactFlagsPrimaryCareProviderType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContactFlagsPrimaryCareProviderType	C		Does this person provide daily living or personal assistance to the student?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.106-1: ContactFlagsPrimaryCareProviderType

A.107 ContactFlagsType

Contains Yes/No characteristics of the contact person's role. Provide a `Yes` value for all that apply. At least one of the child elements of `ContactFlags` must have a `Yes` value. Do not publish the `StudentContact` instance if one of the child elements does not have a `Yes` value.

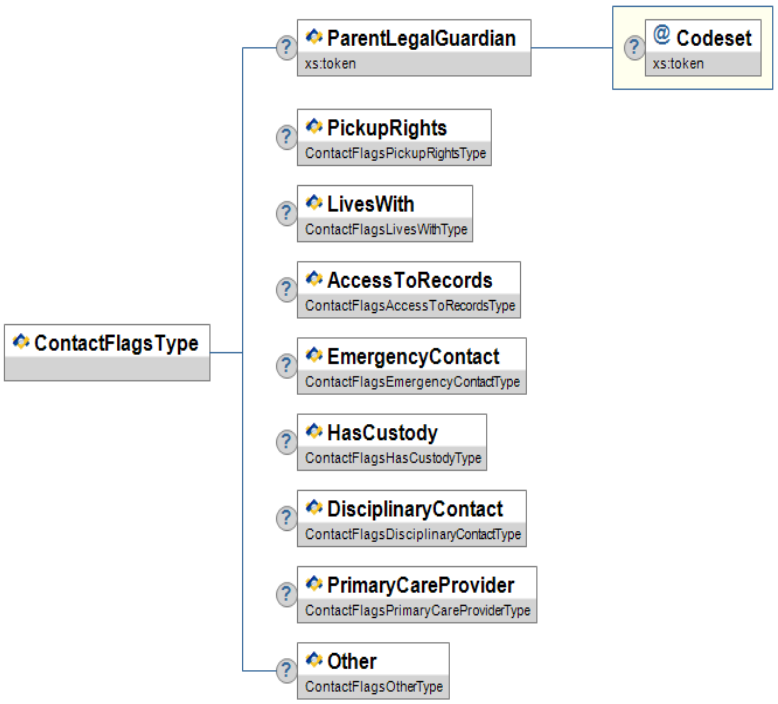

Figure A.107-1: ContactFlagsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContactFlagsType	M		Contains Yes/No characteristics of the contact person's role. Provide a `Yes` value for all that apply. At least one of the child elements of `ContactFlags` must have a `Yes` value. Do not publish the `StudentContact` instance if one of the child elements does not have a `Yes` value.	
	ParentLegalGuardian	C		Does the individual have parental or legal guardianship responsibility for the student?	`xs:token`
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	`xs:token`
	PickupRights	O			`ContactFlagsPickupRightsType`
	LivesWith	O			`ContactFlagsLivesWithType`
	AccessToRecords	O			`ContactFlagsAccessToRecordsType`
	EmergencyContact	O			`ContactFlagsEmergencyContactType`
	HasCustody	O			`ContactFlagsHasCustodyType`
	DisciplinaryContact	O			`ContactFlagsDisciplinaryContactType`
	PrimaryCareProvider	O			`ContactFlagsPrimaryCareProviderType`
	Other	O			`ContactFlagsOtherType`

Table A.107-1: ContactFlagsType

A.108 ContactInfoType

Common element used to supply information for a contact person at a school, LEA, or other institution.

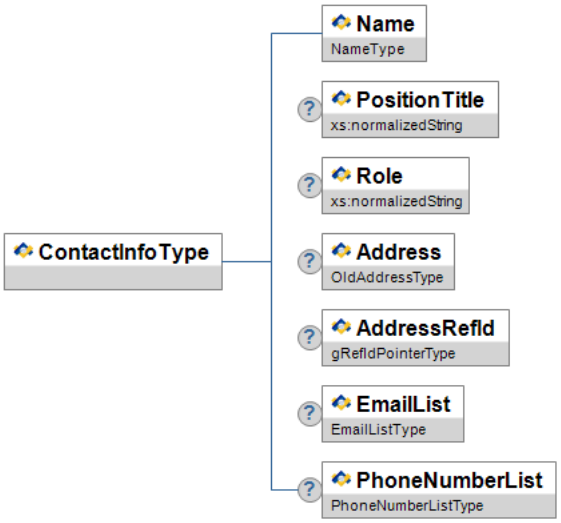

Figure A.108-1: ContactInfoType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ContactInfoType			Common element used to supply information for a contact person at a school, LEA, or other institution.	
Name	M		The name of the contact person. Note that `Name` is redefined here to allow for `LastName` and `FirstName` to be omitted if they cannot be provided; when omitted, `FullName` must have a value.	`NameType`
PositionTitle	O		The contact person's position title. Examples `Superintendent`	`xs:normalizedString`

Role	O		Role played by this contact in this instance.
			Examples
			`Report Contact`
			`Primary Contact`
			`Alternate Contact`
				`xs:normalizedString`

Address	O		Address of the contact.	`OldAddressType`
AddressRefId	O		Reference to an address.	`gRefIdPointerType`
EmailList	O		List of Email elements.	`EmailListType`
PhoneNumberList	O		List of PhoneNumber elements.	`PhoneNumberListType`

Table A.108-1: ContactInfoType

JSON

```
{
  "ContactInfo": {
    "Name": {
      "Type": "04",
      "LastName": "Geisel",
      "FirstName": "Theodore",
      "FullName": "Theodore Geisel"
    },
    "PositionTitle": "Superintendent",
    "EmailList": {
      "Email": [
        {
          "Type": "Primary",
          "value": "drseuss@whoville.k12.state.us"
        }
      ]
    },
    "PhoneNumberList": {
      "PhoneNumber": [
        {
          "Type": "0096",
          "Number": "(555) 555-0102"
        }
      ]
    }
  }
}
```


XML


```
<ContactInfo>
  <Name Type="04">
    <LastName>Geisel</LastName>
    <FirstName>Theodore</FirstName>
    <FullName>Theodore Geisel</FullName>
  </Name>
  <PositionTitle>Superintendent</PositionTitle>
  <EmailList>
    <Email Type="Primary">drseuss@whoville.k12.state.us</Email>
  </EmailList>
  <PhoneNumberList>
    <PhoneNumber Type="0096">
      <Number>(555) 555-0102</Number>
    </PhoneNumber>
  </PhoneNumberList>
</ContactInfo>
```


Example A.108-1: ContactInfoType

A.109 ContactRelationshipsType

Typically used to provide the state information about a person's parents and legal guardians.

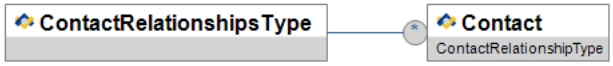

Figure A.109-1: ContactRelationshipsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContactRelationshipsType	O		Typically used to provide the state information about a person's parents and legal guardians.	List
	Contact	OR		Typically used to provide the state information about a person's parents and legal guardians.	ContactRelationshipType

Table A.109-1: ContactRelationshipsType

A.110 ContactRelationshipType

Typically used to provide the state information about a person's parents and legal guardians.

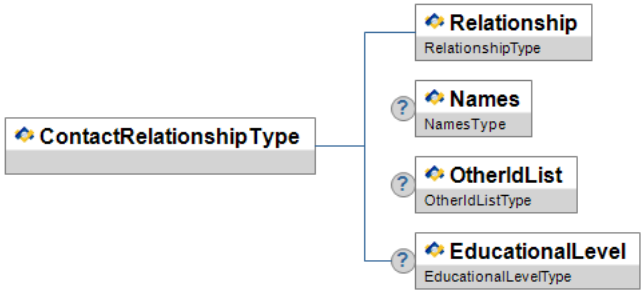

Figure A.110-1: ContactRelationshipType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContactRelationshipType	OR		Typically used to provide the state information about a person's parents and legal guardians.	
	Relationship	M		Relationship to the person.	RelationshipType
	Names	O		The name(s) of the contact.	NamesType
	OtherIdList	O		OtherIds associated with the contact .	OtherIdListType
	EducationalLevel	O		The highest level of education completed by the contact person.	EducationalLevelType

Table A.110-1: ContactRelationshipType

A.111 ContentCatalogInstructionalLevelType

An indication of the general nature and difficulty of instruction provided.

Figure A.111-1: ContentCatalogInstructionalLevelType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContentCatalogInstructionalLevelType	O		An indication of the general nature and difficulty of instruction provided.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.111-1: ContentCatalogInstructionalLevelType

A.112 ContentObjectType

The learning object.

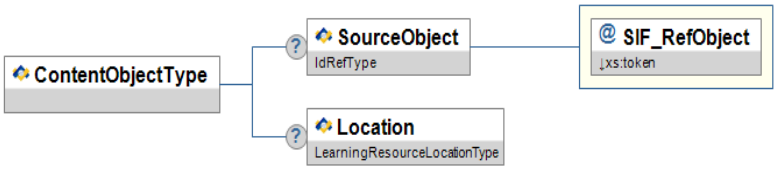

Figure A.112-1: ContentObjectType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ContentObjectType			The learning object.	
	SourceObject	O		GUID assigned to the source object.	IdRefType
@	SIF_RefObject	M		The name of the Source SIF object to which the GUID relates	values: Assessment LearningResource Activity Lesson

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Location	O		Description of location of resource, i.e. location in library or URL, community resource, outside resource supplier.	LearningResourceLocationType

Table A.112-1: ContentObjectType

A.113 CopyrightType

Copyright for a document.

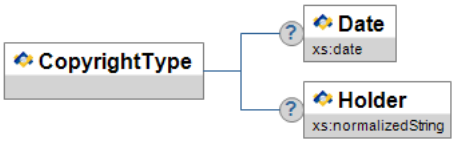

Figure A.113-1: CopyrightType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CopyrightType			Copyright for a document.	
	Date	C		Copyright date	xs:date
	Holder	C		Name of the copyright holder	xs:normalizedString

Table A.113-1: CopyrightType

A.114 CorrelationSectionListType

The list of SectionInfo objects being correlated.

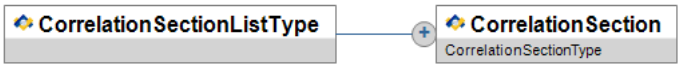

Figure A.114-1: CorrelationSectionListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CorrelationSectionListType	O		The list of SectionInfo objects being correlated.	List
	CorrelationSection	MR		Reference to a SectionInfo object to be correlated.	CorrelationSectionType

Table A.114-1: CorrelationSectionListType

A.115 CorrelationSectionType

Reference to a SectionInfo object to be correlated.

Figure A.115-1: CorrelationSectionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CorrelationSectionType	MR		Reference to a SectionInfo object to be correlated.	IdRefType
@	Primary	M		Indicate whether a SectionInfo is primary. Only one SectionInfo in the CorrelationSectionList can be primary.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	PrimaryCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.115-1: CorrelationSectionType

A.116 CorrelationTypeType

The type of correlation.

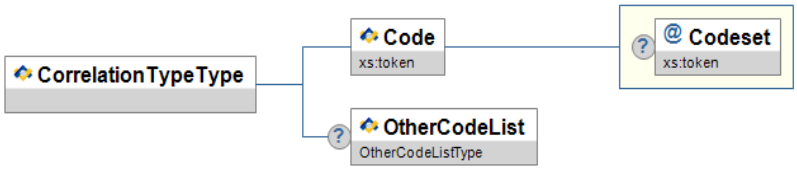

Figure A.116-1: CorrelationTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CorrelationTypeType	O		The type of correlation.	
	Code	M		The code for the type of correlation.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.116-1: CorrelationTypeType

A.117 CountriesOfCitizenshipType

Figure A.117-1: CountriesOfCitizenshipType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CountriesOfCitizenshipType	O			List
	CountryOfCitizenship	MR		A person's country of citizenship.	CountryType

Table A.117-1: CountriesOfCitizenshipType

A.118 CountriesOfResidencyType

Figure A.118-1: CountriesOfResidencyType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CountriesOfResidencyType	O			List
	CountryOfResidency	MR		A person's country of residence.	CountryType

Table A.118-1: CountriesOfResidencyType

A.119 CountryType

A country code.

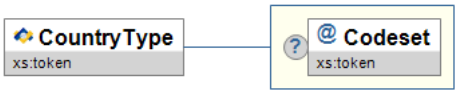

Figure A.119-1: CountryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CountryType			A country code.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.119-1: CountryType

JSON

```
{
  "Country": "US"
}
```

XML

```
<Country>US</Country>
```

Example A.119-1: CountryType

A.120 CourseCodeType

School-defined local code for a course.

Figure A.120-1: CourseCodeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
CourseCodeType			School-defined local code for a course.	xs:normalizedString

Table A.120-1: CourseCodeType

JSON

```
{
  "CourseCode": "CS101A"
}
```

XML

```
<CourseCode>CS101A</CourseCode>
```

Example A.120-1: CourseCodeType

A.121 CourseCreditsType

The number of credits awarded upon course completion.

Figure A.121-1: CourseCreditsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CourseCreditsType			The number of credits awarded upon course completion.	xs:decimal
@	Type	M		The type of credit offered.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.121-1: CourseCreditsType

JSON

```
{
  "CourseCredits": {
    "Type": "0588",
    "value": "2"
  }
}
```

XML

```
<CourseCredits Type="0588">2</CourseCredits>
```

Example A.121-1: CourseCreditsType

A.122 CourseHistoryCourseListType

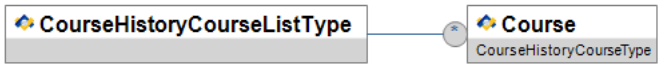

Figure A.122-1: CourseHistoryCourseListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CourseHistoryCourseListType				
	Course	OR			CourseHistoryCourseType

Table A.122-1: CourseHistoryCourseListType

A.123 CourseHistoryCourseType

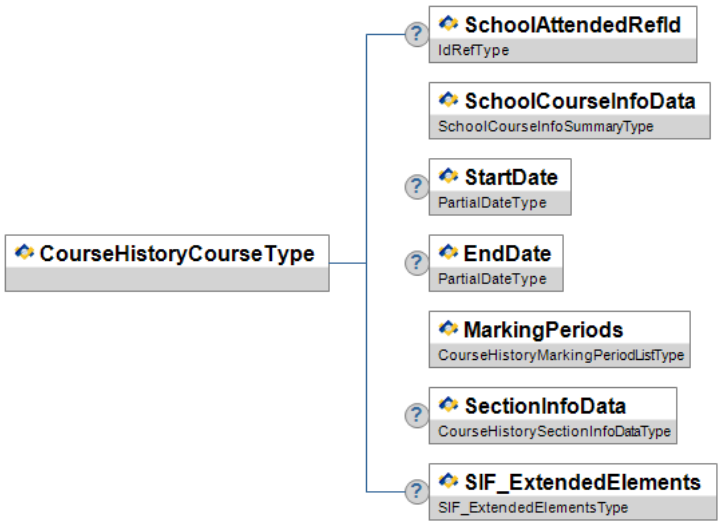

Figure A.123-1: CourseHistoryCourseType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
CourseHistoryCourseType				
SchoolAttendedRefId	C		Reference to the school where the course was taken (see SchoolAttended); may be omitted if the school is the same as the school of record.	IdRefType
SchoolCourseInfoData	M		Collects elements of interest from SchoolCourseInfo.	SchoolCourseInfoSummaryType
StartDate	O		Date course section started.	PartialDateType
EndDate	O		Date course section ended.	PartialDateType
MarkingPeriods	M		Student performance/attendance data for each marking period.	CourseHistoryMarkingPeriodListType
SectionInfoData	O			CourseHistorySectionInfoDataType
SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.123-1: CourseHistoryCourseType

A.124 CourseHistoryMarkingPeriodListType

Student performance/attendance data for each marking period.

Figure A.124-1: CourseHistoryMarkingPeriodListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
CourseHistoryMarkingPeriodListType			Student performance/attendance data for each marking period.	List
MarkingPeriod	MR		Student performance/attendance data for a marking period.	CourseHistoryMarkingPeriodType

Table A.124-1: CourseHistoryMarkingPeriodListType

A.125 CourseHistoryMarkingPeriodType

Student performance/attendance data for a marking period.

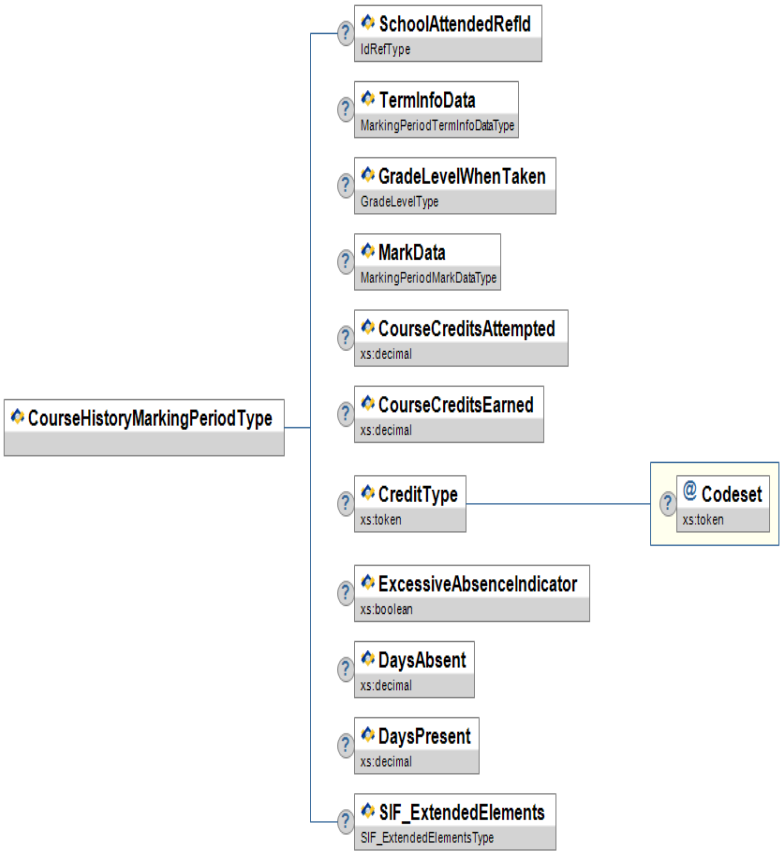

Figure A.125-1: CourseHistoryMarkingPeriodType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CourseHistoryMarkingPeriodType			Student performance/attendance data for a marking period.	
	SchoolAttendedRefId	C		Reference to the school where student took the course during the marking period, if different from schools above.	IdRefType
	TermInfoData	O		Information related to the span of time associated with the marking period.	MarkingPeriodTermInfoDataType
	GradeLevelWhenTaken	O		Student's grade level at time of course.	GradeLevelType
	MarkData	C		Note: Mandatory if mid-term mark exists. Mid-term mark.	MarkingPeriodMarkDataType
	CourseCreditsAttempted	O	000199 https://ceds.ed.gov/element/000199	Number of course credits attempted.	xs:decimal
	CourseCreditsEarned	O	000200 https://ceds.ed.gov/element/000200	Number of course credits earned.	xs:decimal
	CreditType	O	000072 https://ceds.ed.gov/element/000072	Type of credit.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ExcessiveAbsenceIndicator	O		Flag indicating that the student was excessively absent from the class.	xs:boolean
	DaysAbsent	O	000201 https://ceds.ed.gov/element/000201	Number of days absent.	xs:decimal
	DaysPresent	O	000600 https://ceds.ed.gov/element/000600	Number of days present.	xs:decimal
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.125-1: CourseHistoryMarkingPeriodType

A.126 CourseHistoryMediumOfInstructionType

Medium through which the student receives instructional communication from the teacher.

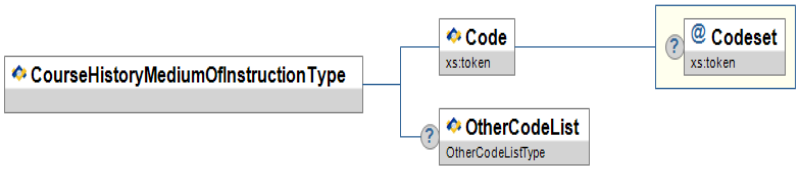

Figure A.126-1: CourseHistoryMediumOfInstructionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CourseHistoryMediumOfInstructionType			Medium through which the student receives instructional communication from the teacher.	
	Code	M		Code representing the medium of instruction.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.126-1: CourseHistoryMediumOfInstructionType

A.127 CourseHistorySectionInfoDataType

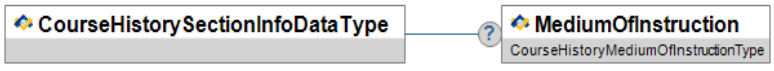

Figure A.127-1: CourseHistorySectionInfoDataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CourseHistorySectionInfoDataType				
	MediumOfInstruction	O		Medium through which the student receives instructional communication from the teacher.	CourseHistoryMediumOfInstructionType

Table A.127-1: CourseHistorySectionInfoDataType

A.128 CourseHistoryTermListType

Conveys the coursework completed, performance and attendance information for a student's academic career.

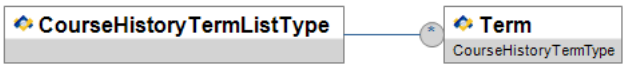

Figure A.128-1: CourseHistoryTermListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
CourseHistoryTermListType			Conveys the coursework completed, performance and attendance information for a student's academic career.	List
Term	OR		Time spans by which courses are grouped.	CourseHistoryTermType

Table A.128-1: CourseHistoryTermListType

A.129 CourseHistoryTermType

Time spans by which courses are grouped.

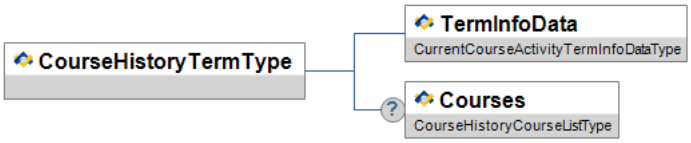

Figure A.129-1: CourseHistoryTermType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
CourseHistoryTermType			Time spans by which courses are grouped.	
TermInfoData	M		Collects elements of interest from TermInfo.	CurrentCourseActivityTermInfoDataType
Courses	O			CourseHistoryCourseListType

Table A.129-1: CourseHistoryTermType

A.130 CourseTitleType

Title of a course.

Figure A.130-1: CourseTitleType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
CourseTitleType			Title of a course.	xs:normalizedString

Table A.130-1: CourseTitleType

JSON

```
{
  "CourseTitle": "Graphics Basics"
}
```

XML

```
<CourseTitle>Graphics Basics</CourseTitle>
```

Example A.130-1: CourseTitleType

A.131 CreatedType

When the object was created by whom. This is a more persistent creation date than the date/time in the object's `SIF_Header`. Depending on the use case being implemented, this value could contain the date the data in the object first entered the zone or was actually created.

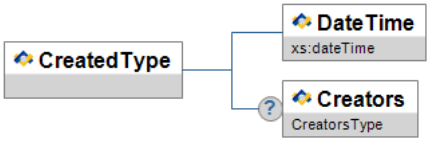

Figure A.131-1: CreatedType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CreatedType	O		When the object was created by whom. This is a more persistent creation date than the date/time in the object's `SIF_Header`. Depending on the use case being implemented, this value could contain the date the data in the object first entered the zone or was actually created.	
	DateTime	M			`xs:dateTime`
	Creators	O			`CreatorsType`

Table A.131-1: CreatedType

A.132 CreatorsType

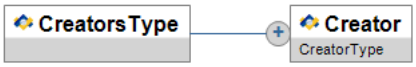

Figure A.132-1: CreatorsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CreatorsType	O			`List`
	Creator	MR			`CreatorType`

Table A.132-1: CreatorsType

A.133 CreatorType

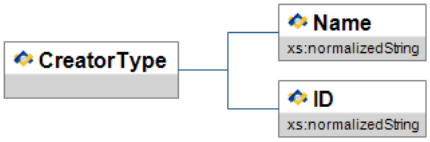

Figure A.133-1: CreatorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CreatorType	O			
	Name	M		Human-readable name of the data's creator. If the object contains system-generated data, the name should identify the creating service or application.	`xs:normalizedString`
	ID	M		Unique identifier of the creator. An email address or URI could be used here.	`xs:normalizedString`

Table A.133-1: CreatorType

A.134 CreditsAttemptedType

Number of credits the student is attempting to earn. If present, this element's value overrides the credits in SchoolCourseInfo and SectionInfo.

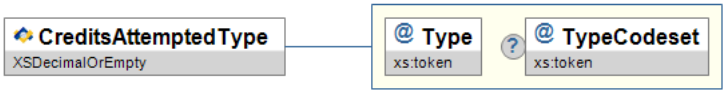

Figure A.134-1: CreditsAttemptedType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CreditsAttemptedType	O		Number of credits the student is attempting to earn. If present, this element's value overrides the credits in SchoolCourseInfo and SectionInfo.	xs:decimal
@	Type	M	000650 https://ceds.ed.gov/element/000650	The type of credit.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.134-1: CreditsAttemptedType

A.135 CurrentCourseActivityCourseListType

Courses being taken.

Figure A.135-1: CurrentCourseActivityCourseListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CurrentCourseActivityCourseListType			Courses being taken.	List
	Course	MR		Course being taken.	CurrentCourseActivityCourseType

Table A.135-1: CurrentCourseActivityCourseListType

A.136 CurrentCourseActivityCourseType

Course being taken.

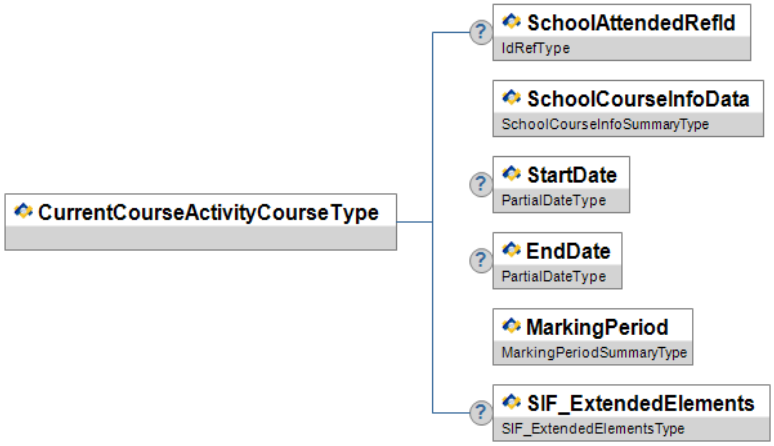

Figure A.136-1: CurrentCourseActivityCourseType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CurrentCourseActivityCourseType			Course being taken.	
	SchoolAttendedRefId	C		Reference to the school where the course is being taken (see SchoolAttended); may be omitted if the school is the same as the school of record.	IdRefType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolCourseInfoData	M		Collects elements of interest from SchoolCourseInfo.	SchoolCourseInfoSummaryType
	StartDate	O		Date course section started.	PartialDateType
	EndDate	O		Date course section ended, or will end.	PartialDateType
	MarkingPeriod	M			MarkingPeriodSummaryType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.136-1: CurrentCourseActivityCourseType

A.137 CurrentCourseActivityTermInfoDataType

Collects elements of interest from TermInfo.

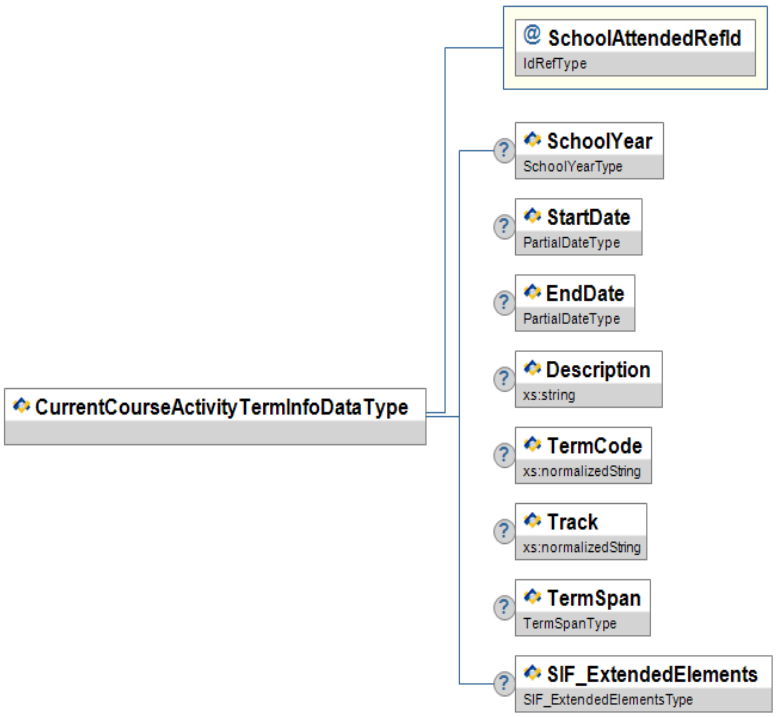

Figure A.137-1: CurrentCourseActivityTermInfoDataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CurrentCourseActivityTermInfoDataType			Collects elements of interest from TermInfo.	
@	SchoolAttendedRefId	M		Reference to the school of record for the courses being taken (see SchoolAttended).	IdRefType
	SchoolYear	O			SchoolYearType
	StartDate	O	000251 https://ceds.ed.gov/element/000251		PartialDateType
	EndDate	O			PartialDateType
	Description	O			xs:string
	TermCode	O	000182 https://ceds.ed.gov/element/000182		xs:normalizedString
	Track	O			xs:normalizedString
	TermSpan	O			TermSpanType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.137-1: CurrentCourseActivityTermInfoDataType

A.138 CurrentCourseActivityType

Note: Mandatory if coursework is underway. Conveys a student's current coursework along with mid-term marks if applicable.

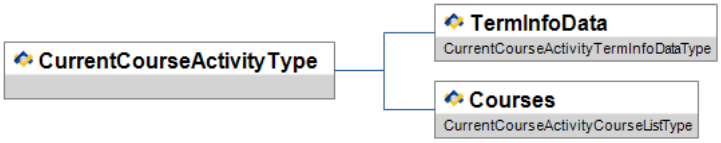

Figure A.138-1: CurrentCourseActivityType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
CurrentCourseActivityType			Note: Mandatory if coursework is underway. Conveys a student's current coursework along with mid-term marks if applicable.	
TermInfoData	M		Collects elements of interest from TermInfo.	CurrentCourseActivityTermInfoDataType
Courses	M		Courses being taken.	CurrentCourseActivityCourseListType

Table A.138-1: CurrentCourseActivityType

A.139 CurriculumHierarchyListType

Figure A.139-1: CurriculumHierarchyListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
CurriculumHierarchyListType				List
CurriculumHierarchy	OR		Description of additional curriculum hierarchical level	CurriculumHierarchyType

Table A.139-1: CurriculumHierarchyListType

A.140 CurriculumHierarchyType

Description of additional curriculum hierarchical level

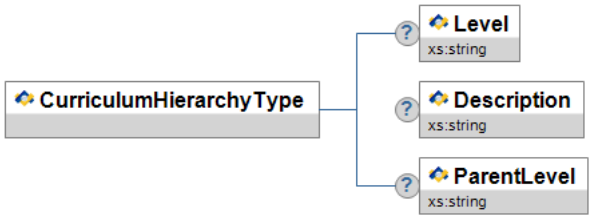

Figure A.140-1: CurriculumHierarchyType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
CurriculumHierarchyType			Description of additional curriculum hierarchical level	

Element/@Attribute	Char	CEDS Id/URL	Description	Type
Level	O		Number reference of Curriculum Hierarchy	xs:string
Description	O		Description of Curriculum Hierarchy level	xs:string
ParentLevel	O		Parent Level	xs:string

Table A.140-1: CurriculumHierarchyType

A.141 CurriculumStructureCurriculumHierarchyLevelType

Describes the position of this object in the curriculum hierarchy.

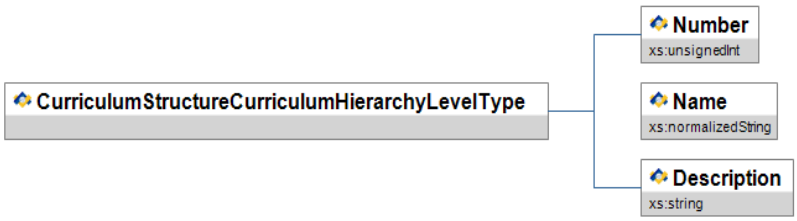

Figure A.141-1: CurriculumStructureCurriculumHierarchyLevelType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
CurriculumStructureCurriculumHierarchyLevelType			Describes the position of this object in the curriculum hierarchy.	
Number	M		Integer assigned to each hierarchical level within the CurriculumStructure tree. The top level is `1`.	xs:unsignedInt
Name	M		Used to describe what role this is serving in the structure. Some curriculum objects describe their levels in terms of programs of study, courses and units. Others use other terms. This attribute names the level of the item.	xs:normalizedString
Description	M		Used to describe what role this is serving in the structure. Some curriculum objects describe their levels in terms of programs of study, courses and units. Others use other terms.	xs:string

Table A.141-1: CurriculumStructureCurriculumHierarchyLevelType

A.142 CurriculumStructureRefIdListType

CurriculumStructure objects directly above this one in the hierarchy tree. These are repeatable because a single object can have multiple parent levels in the hierarcy.

Figure A.142-1: CurriculumStructureRefIdListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
CurriculumStructureRefIdListType			CurriculumStructure objects directly above this one in the hierarchy tree. These are repeatable because a single object can have multiple parent levels in the hierarcy.	List

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CurriculumStructureRefId	OR		GUID assigned to the CurriculumStructure object directly above it in the hierarchy tree.	IdRefType

Table A.142-1: CurriculumStructureRefIdListType

A.143 CurriculumStructuresRefIdListType

GUID references to the parent CurriculumStructure object of a Lesson.

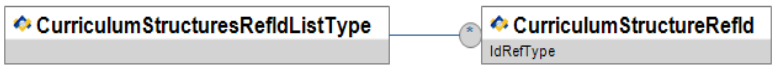

Figure A.143-1: CurriculumStructuresRefIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CurriculumStructuresRefIdListType			GUID references to the parent CurriculumStructure object of a Lesson.	List
	CurriculumStructureRefId	OR		A GUID reference to the parent CurriculumStructure object of a Lesson.	IdRefType

Table A.143-1: CurriculumStructuresRefIdListType

A.144 CutScoresType

Score bounds for the performance level.

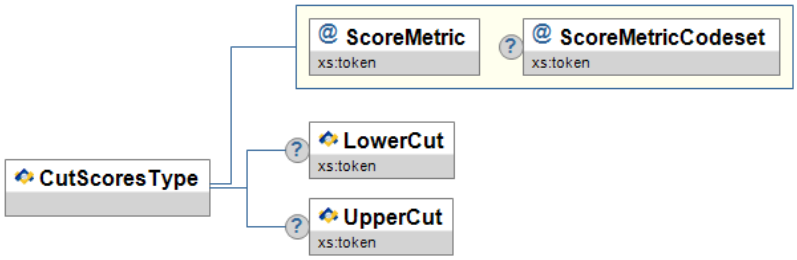

Figure A.144-1: CutScoresType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	CutScoresType			Score bounds for the performance level.	
@	ScoreMetric	M	000417 https://ceds.ed.gov/element/000417	The metric or scale used to report the scores.	xs:token
@	ScoreMetricCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	LowerCut	O		Lower bound for the performance level.	xs:token
	UpperCut	O		Upper bound for the performance level.	xs:token

Table A.144-1: CutScoresType

A.145 DataDomainObligationListType

Figure A.145-1: DataDomainObligationListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
DataDomainObligationListType	O			List
DataDomainObligation	OR			DataDomainObligationType

Table A.145-1: DataDomainObligationListType

A.146 DataDomainObligationType

.

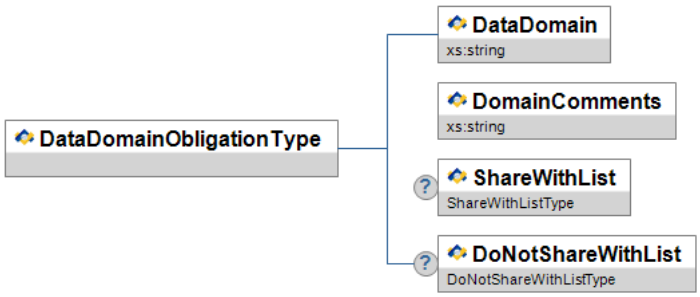

Figure A.146-1: DataDomainObligationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
DataDomainObligationType			.	
DataDomain	M			xs:string
DomainComments	M		Comments associated with data obligation.	xs:string
ShareWithList	O			ShareWithListType
DoNotShareWithList	O			DoNotShareWithListType

Table A.146-1: DataDomainObligationType

A.147 DebitCreditMonetaryAmountListType

List of monetary amounts, with debit and credit types.

Figure A.147-1: DebitCreditMonetaryAmountListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
DebitCreditMonetaryAmountListType			List of monetary amounts, with debit and credit types.	List
Amount	MR		Amount	DebitCreditMonetaryAmountType

Table A.147-1: DebitCreditMonetaryAmountListType

A.148 DebitCreditMonetaryAmountType

Monetary amount, with debit and credit types.

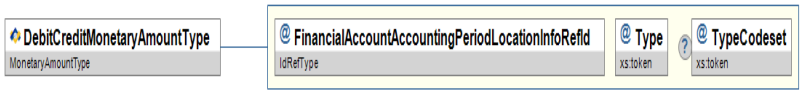

Figure A.148-1: DebitCreditMonetaryAmountType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DebitCreditMonetaryAmountType			Monetary amount, with debit and credit types.	MonetaryAmountType
@	FinancialAccountAccountingPeriodLocationInfoRefId	M		Account.	IdRefType
@	Type	M			xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.148-1: DebitCreditMonetaryAmountType

A.149 DefinedProtocolsType

The transport protocols defined in SIF.

Figure A.149-1: DefinedProtocolsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DefinedProtocolsType			The transport protocols defined in SIF.	values: HTTPS HTTP

Table A.149-1: DefinedProtocolsType

A.150 DemographicsBirthDateVerificationType

Means by which the person's birth date was validated.

Figure A.150-1: DemographicsBirthDateVerificationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DemographicsBirthDateVerificationType	O	000618 https://ceds.ed.gov/element/000618	Means by which the person's birth date was validated.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.150-1: DemographicsBirthDateVerificationType

A.151 DemographicsCitizenshipStatusType

The person's citizenship status.

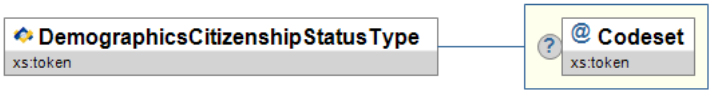

Figure A.151-1: DemographicsCitizenshipStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DemographicsCitizenshipStatusType	O		The person's citizenship status.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.151-1: DemographicsCitizenshipStatusType

A.152 DemographicsDataHispanicLatinoType

Figure A.152-1: DemographicsDataHispanicLatinoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DemographicsDataHispanicLatinoType	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.152-1: DemographicsDataHispanicLatinoType

A.153 DemographicsGenderType

Person's gender.

Figure A.153-1: DemographicsGenderType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DemographicsGenderType	O	000255 https://ceds.ed.gov/element/000255	Person's gender.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.153-1: DemographicsGenderType

A.154 DemographicsType

Demographics information about the student, contact, staff member, etc. This element occurs within objects such as StudentPersonal, StudentContact, etc.

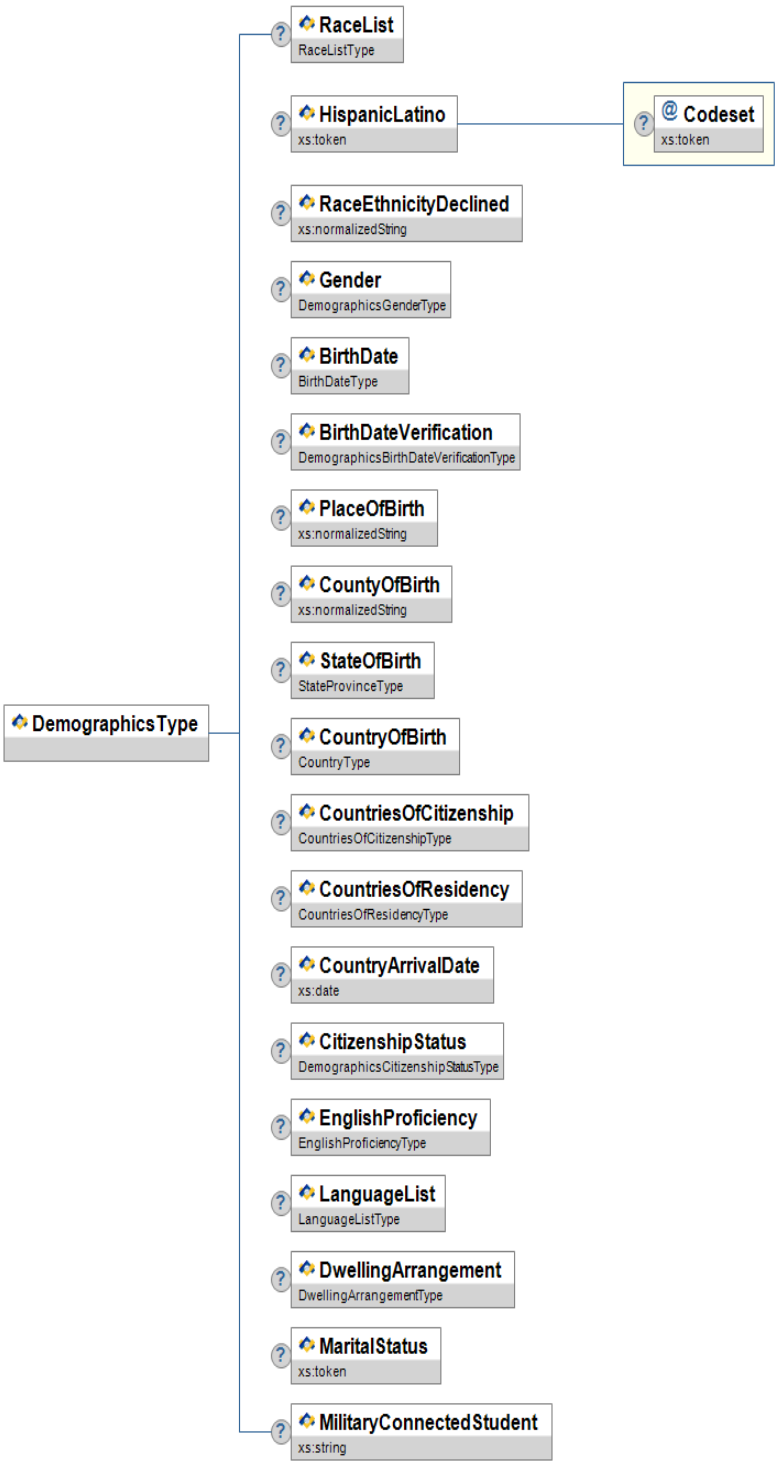

Figure A.154-1: DemographicsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DemographicsType			Demographics information about the student, contact, staff member, etc. This element occurs within objects such as StudentPersonal, StudentContact, etc.	
	RaceList	O			RaceListType
	HispanicLatino	O	000144 https://ceds.ed.gov/element/000144		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RaceEthnicityDeclined	O	001944 https://ceds.ed.gov/element/001944		xs:normalizedString
	Gender	O			DemographicsGenderType
	BirthDate	O	000033 https://ceds.ed.gov/element/000033	The person's date of birth.	BirthDateType
	BirthDateVerification	O			DemographicsBirthDateVerificationType
	PlaceOfBirth	O		The person's place of birth like: village, town, city etc.	xs:normalizedString
	CountyOfBirth	O	000051 https://ceds.ed.gov/element/000051	The county in which the person was born.	xs:normalizedString
	StateOfBirth	O	000427 https://ceds.ed.gov/element/000427	The person's state of birth.	StateProvinceType
	CountryOfBirth	O		The person's country of birth.	CountryType
	CountriesOfCitizenship	O			CountriesOfCitizenshipType
	CountriesOfResidency	O			CountriesOfResidencyType
	CountryArrivalDate	O	000529 https://ceds.ed.gov/element/000529	Date the person first arrived in the country.	xs:date
	CitizenshipStatus	O			DemographicsCitizenshipStatusType
	EnglishProficiency	O		Person's proficiency in English.	EnglishProficiencyType
	LanguageList	O		List of languages an individual uses to communicate.	LanguageListType
	DwellingArrangement	O		Setting/environment in which the person resides.	DwellingArrangementType
	MaritalStatus	O		The person's marital status.	xs:token
	MilitaryConnectedStudent	O	001576 https://ceds.ed.gov/element/001576	An indication that the student's parent or guardian is on Active Duty, in the National Guard, or in the Reserve components of the United States military services	xs:string

Table A.154-1: DemographicsType

JSON

```
{
  "Demographics": {
    "RaceList": {
      "Race": [
        {
          "Code": {
            "value": "1002"
          }
        }
      ]
    },
    "Gender": {
      "value": "M"
    },
    "BirthDate": "1990-09-26",
    "BirthDateVerification": {
      "value": "1004"
    },
    "PlaceOfBirth": "Miami",
    "CountyOfBirth": "Dade",
    "StateOfBirth": {
      "value": "FL"
    },
    "CountryOfBirth": {
      "value": "US"
    },
    "CountriesOfCitizenship": {
      "CountryOfCitizenship": [
        "US"
      ]
    },
    "CountriesOfResidency": {
      "CountryOfResidency": [
        "US"
      ]
    },
    "CitizenshipStatus": {
      "value": "1017"
    },
    "EnglishProficiency": {
      "Code": {
        "value": "1633"
      }
    },
    "LanguageList": {
      "Language": [
        {
          "Code": {
            "value": "eng"
          }
        }
      ]
    },
    "DwellingArrangement": {
      "Code": {
        "value": "1674"
      }
    },
    "MaritalStatus": "1042"
  }
}
```


XML


```
<Demographics>
  <RaceList>
    <Race>
      <Code>1002</Code>
    </Race>
  </RaceList>
  <Gender>M</Gender>
  <BirthDate>1990-09-26</BirthDate>
  <BirthDateVerification>1004</BirthDateVerification>
  <PlaceOfBirth>Miami</PlaceOfBirth>
  <CountyOfBirth>Dade</CountyOfBirth>
  <StateOfBirth>FL</StateOfBirth>
  <CountryOfBirth>US</CountryOfBirth>
  <CountriesOfCitizenship>
    <CountryOfCitizenship>US</CountryOfCitizenship>
  </CountriesOfCitizenship>
  <CountriesOfResidency>
    <CountryOfResidency>US</CountryOfResidency>
  </CountriesOfResidency>
  <CitizenshipStatus>1017</CitizenshipStatus>
  <EnglishProficiency>
    <Code>1633</Code>
  </EnglishProficiency>
  <LanguageList>
    <Language>
      <Code>eng</Code>
    </Language>
  </LanguageList>
  <DwellingArrangement>
    <Code>1674</Code>
  </DwellingArrangement>
  <MaritalStatus>1042</MaritalStatus>
</Demographics>
```


Example A.154-1: Demographics - Example 1

JSON

```
{
  "Demographics": {
    "RaceList": {
      "Race": [
        {
          "Code": {
            "value": "1002"
          }
        }
      ]
    },
    "Gender": {
      "value": "M"
    },
    "BirthDate": "1990-09-26",
    "BirthDateVerification": {
      "value": "1004"
    },
    "PlaceOfBirth": "Miami",
    "CountyOfBirth": "Dade",
    "StateOfBirth": {
      "value": "FL"
    },
    "CountryOfBirth": {
      "value": "US"
    },
    "CountriesOfCitizenship": {
      "CountryOfCitizenship": [
        "US"
      ]
    },
    "CountriesOfResidency": {
      "CountryOfResidency": [
        "US"
      ]
    },
    "CitizenshipStatus": {
      "value": "1017"
    },
    "EnglishProficiency": {
      "Code": {
        "value": "1633"
      }
    },
    "LanguageList": {
      "Language": [
        {
          "Code": {
            "value": "eng"
          }
        }
      ]
    },
    "DwellingArrangement": {
      "Code": {
        "value": "1674"
      }
    },
    "MaritalStatus": "1042"
  }
}
```

XML

```
<Demographics>
  <RaceList>
    <Race>
      <Code>1002</Code>
    </Race>
  </RaceList>
  <Gender>M</Gender>
  <BirthDate>1990-09-26</BirthDate>
  <BirthDateVerification>1004</BirthDateVerification>
  <PlaceOfBirth>Miami</PlaceOfBirth>
  <CountyOfBirth>Dade</CountyOfBirth>
  <StateOfBirth>FL</StateOfBirth>
  <CountryOfBirth>US</CountryOfBirth>
  <CountriesOfCitizenship>
    <CountryOfCitizenship>US</CountryOfCitizenship>
  </CountriesOfCitizenship>
  <CountriesOfResidency>
    <CountryOfResidency>US</CountryOfResidency>
  </CountriesOfResidency>
  <CitizenshipStatus>1017</CitizenshipStatus>
  <EnglishProficiency>
    <Code>1633</Code>
  </EnglishProficiency>
  <LanguageList>
    <Language>
      <Code>eng</Code>
    </Language>
  </LanguageList>
  <DwellingArrangement>
    <Code>1674</Code>
  </DwellingArrangement>
  <MaritalStatus>1042</MaritalStatus>
</Demographics>
```

Example A.154-2: Demographics - Example 2

A.155 DestinationPointType

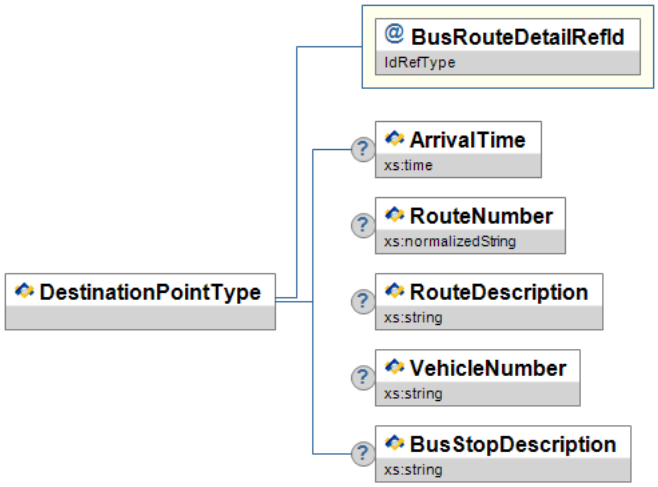

Figure A.155-1: DestinationPointType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DestinationPointType				
@	BusRouteDetailRefId	M		GUID that identifies the bus stop/route where the student gets off the bus.	IdRefType
	ArrivalTime	O		The time that the bus associated with this route will stop at this bus stop.	xs:time
	RouteNumber	O		A unique identifier for the route. F or instance, you may have route 16AM in the morning and a 16PM in the afternoon.	xs:normalizedString
	RouteDescription	O		Short explanation of the route. It may be used to designate an area, or used to color-code bus routes (the "orange" route).	xs:string
	VehicleNumber	O		Vehicle number of the bus.	xs:string
	BusStopDescription	O		An explanation of this location.	xs:string

Table A.155-1: DestinationPointType

A.156 DisciplineActionAlternativeEducationType

Identifies whether or not the offender was assigned to an Alternative Education facility.

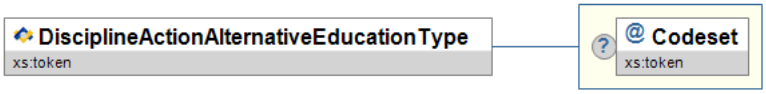

Figure A.156-1: DisciplineActionAlternativeEducationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DisciplineActionAlternativeEducationType	M	000578 https://ceds.ed.gov/element/000578	Identifies whether or not the offender was assigned to an Alternative Education facility.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.156-1: DisciplineActionAlternativeEducationType

A.157 DisciplineActionArrestType

Identifies whether or not the offender was arrested.

Figure A.157-1: DisciplineActionArrestType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DisciplineActionArrestType	M		Identifies whether or not the offender was arrested.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.157-1: DisciplineActionArrestType

A.158 DisciplineActionFullYearExpulsionType

Identifies whether or not the action involved an expulsion with or without services for a period of one full year (i.e., 365 days).

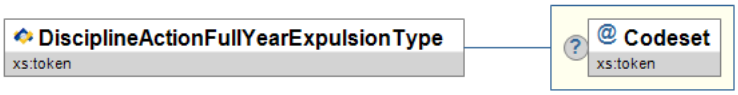

Figure A.158-1: DisciplineActionFullYearExpulsionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DisciplineActionFullYearExpulsionType	M	000513 https://ceds.ed.gov/element/000513	Identifies whether or not the action involved an expulsion with or without services for a period of one full year (i.e., 365 days).	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.158-1: DisciplineActionFullYearExpulsionType

A.159 DisciplineActionListType

List of actions taken.

Note: There is also a SIF type called ActionList. It is one of two types of lists. Do not confuse this element with the SIF type called ActionList. This problem will be resolved in the next major release.

Figure A.159-1: DisciplineActionListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DisciplineActionListType	O		List of actions taken. Note: There is also a SIF type called ActionList. It is one of two types of lists. Do not confuse this element with the SIF type called ActionList. This problem will be resolved in the next major release.	List
	Action	OR		Information regarding the action(s) taken against the offender in response to the incident.	DisciplineActionType

Table A.159-1: DisciplineActionListType

A.160 DisciplineActionPoliceNotificationType

Identifies whether or not the offender's action included notification of local law enforcement, regardless of whether official action was taken.

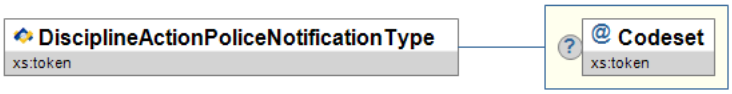

Figure A.160-1: DisciplineActionPoliceNotificationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DisciplineActionPoliceNotificationType	M		Identifies whether or not the offender's action included notification of local law enforcement, regardless of whether official action was taken.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.160-1: DisciplineActionPoliceNotificationType

A.161 DisciplineActionShortenedExpulsionType

Identifies whether or not the action involved an expulsion with or without services that is shortened to a term of less than one year by the superintendent or chief administrator of a school district.

Figure A.161-1: DisciplineActionShortenedExpulsionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DisciplineActionShortenedExpulsionType	M	000514 https://ceds.ed.gov/element/000514	Identifies whether or not the action involved an expulsion with or without services that is shortened to a term of less than one year by the superintendent or chief administrator of a school district.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.161-1: DisciplineActionShortenedExpulsionType

A.162 DisciplineActionType

Information regarding the action(s) taken against the offender in response to the incident.

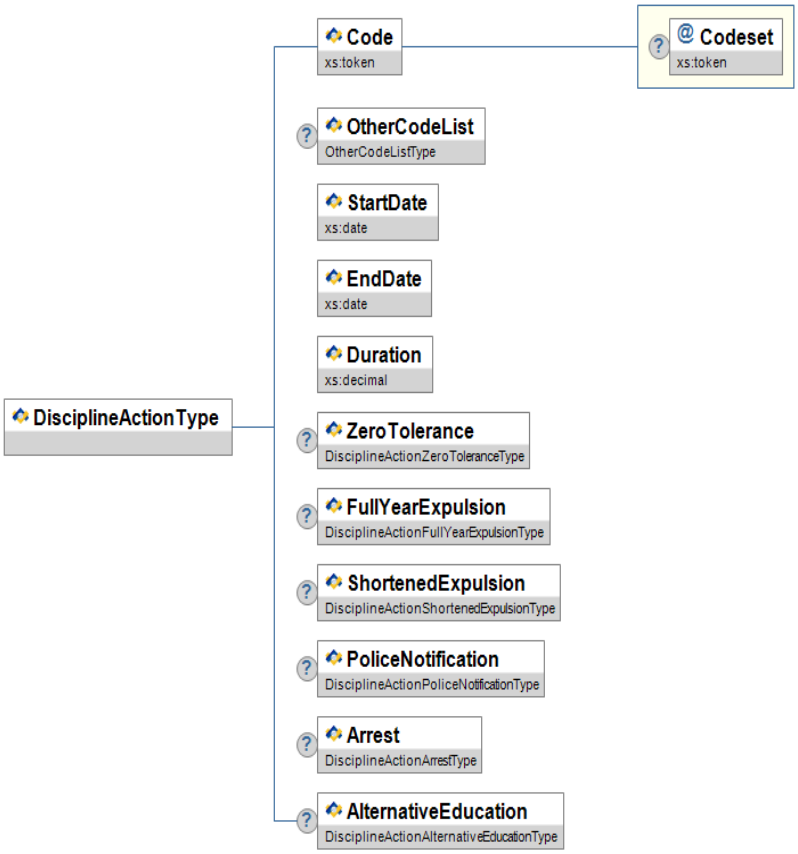

Figure A.162-1: DisciplineActionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DisciplineActionType	OR		Information regarding the action(s) taken against the offender in response to the incident.	
	Code	M	000488 https://ceds.ed.gov/element/000488	Specific action taken toward this offender.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O		List of other codes or strings that crosswalk to or serve as translations of the Code element. If Code changes and OtherCode elements are supported, both Code and all associated OtherCode elements must be present.	OtherCodeListType
	StartDate	M	000083 https://ceds.ed.gov/element/000083	The date on which the disciplinary action begins.	xs:date
	EndDate	M	000082 https://ceds.ed.gov/element/000082	The date through which the disciplinary action is in effect, inclusive.	xs:date
	Duration	M	000511 https://ceds.ed.gov/element/000511	Identifies the length, in school days, of the disciplinary action. Note: decimal places may be used for fractions of school days.	xs:decimal
	ZeroTolerance	O			DisciplineActionZeroToleranceType
	FullYearExpulsion	O			DisciplineActionFullYearExpulsionType
	ShortenedExpulsion	O			DisciplineActionShortenedExpulsionType
	PoliceNotification	O			DisciplineActionPoliceNotificationType
	Arrest	O			DisciplineActionArrestType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	AlternativeEducation	O			DisciplineActionAlternativeEducationType

Table A.162-1: DisciplineActionType

A.163 DisciplineActionZeroToleranceType

Identifies whether or not this action taken against a student was imposed as a consequence of state or local zero tolerance policies.

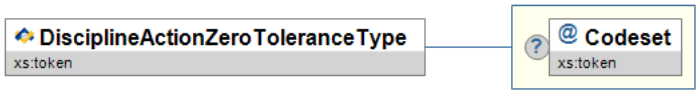

Figure A.163-1: DisciplineActionZeroToleranceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DisciplineActionZeroToleranceType	M		Identifies whether or not this action taken against a student was imposed as a consequence of state or local zero tolerance policies.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.163-1: DisciplineActionZeroToleranceType

A.164 DisciplineIncidentIncidentLocationRefIdType

GUID of the SIF object that relates to the school or location where the incident occurred, if applicable.

Figure A.164-1: DisciplineIncidentIncidentLocationRefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DisciplineIncidentIncidentLocationRefIdType	O		GUID of the SIF object that relates to the school or location where the incident occurred, if applicable.	IdRefType
@	SIF_RefObject	M		The name of the SIF object to which the GUID relates.	values: SchoolInfo LocationInfo

Table A.164-1: DisciplineIncidentIncidentLocationRefIdType

A.165 DistanceType

Measurement of distance.

Figure A.165-1: DistanceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DistanceType			Measurement of distance.	xs:decimal
@	Unit	M		Units used in the distance measurement.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	UnitCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.165-1: DistanceType

A.166 DistrictCourseCodeType

A district course code.

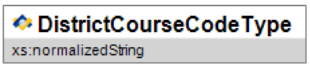

Figure A.166-1: DistrictCourseCodeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DistrictCourseCodeType			A district course code.	xs:normalizedString

Table A.166-1: DistrictCourseCodeType

JSON

```
{
  "DistrictCourseCode": "CS101"
}
```

XML

```
<DistrictCourseCode>CS101</DistrictCourseCode>
```

Example A.166-1: DistrictCourseCodeType

A.167 DocumentSourceType

This element defines a document. If the Type attribute is URL, this is the location of the document that describes the assignment. If Type is PDF, this element will contain the Base64 encoding of the entire document.

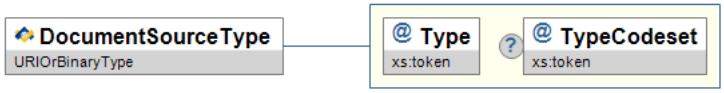

Figure A.167-1: DocumentSourceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DocumentSourceType			This element defines a document. If the Type attribute is URL, this is the location of the document that describes the assignment. If Type is PDF, this element will contain the Base64 encoding of the entire document.	URIOrBinaryType
@	Type	M		The way the document is specified.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.167-1: DocumentSourceType

A.168 DoNotShareWithListType

A list of parties and data sharing permissions.

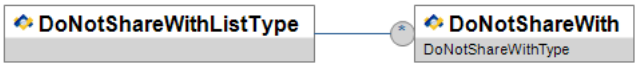

Figure A.168-1: DoNotShareWithListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
DoNotShareWithListType	O		A list of parties and data sharing permissions.	List
DoNotShareWith	OR		The .	DoNotShareWithType

Table A.168-1: DoNotShareWithListType

A.169 DoNotShareWithType

Information about data sharing.

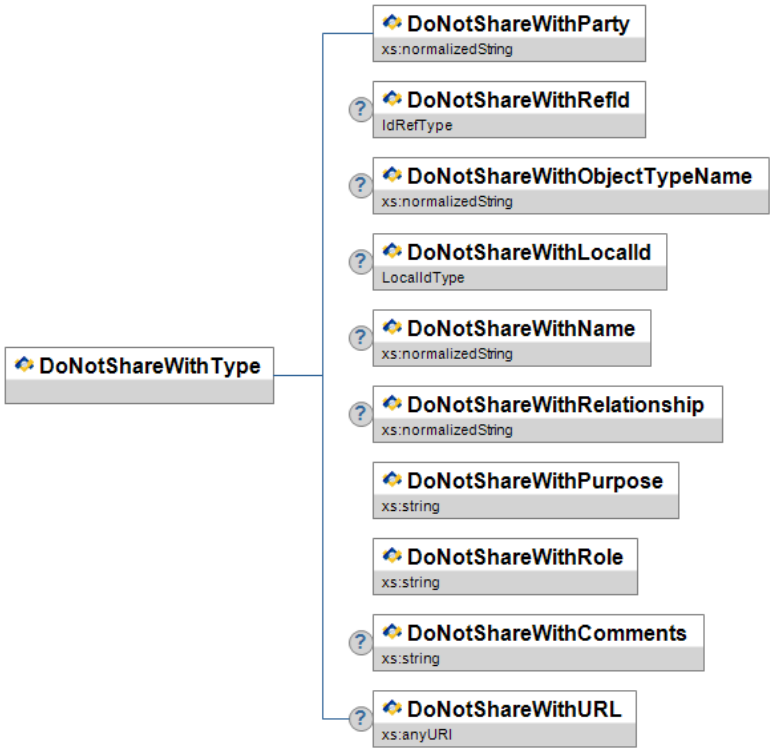

Figure A.169-1: DoNotShareWithType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
DoNotShareWithType			Information about data sharing.	
DoNotShareWithParty	M		Who data should not be shared with? (Can we agree on a broadlist that can be typed for enumeration?)	xs:normalizedString
DoNotShareWithRefId	O		RefId of entity date not to be shared with if known.	IdRefType
DoNotShareWithObjectTypeName	O		The name of the object referenced.	xs:normalizedString
DoNotShareWithLocalId	O		LocalId of entity data not to be shared with if known.	LocalIdType
DoNotShareWithName	O		The name of the person/body. Only to be used when a SIF reference object not available.	xs:normalizedString

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DoNotShareWithRelationship	O		The relationship of the person/body. Only to be used when a SIF reference object not available.	xs:normalizedString
	DoNotShareWithPurpose	M		Why is this information is not to be shared?	xs:string
	DoNotShareWithRole	M	001156 https://ceds.ed.gov/element/001156	Role of the information to be shared?	xs:string
	DoNotShareWithComments	O		Comments associated with Sharing arrangement	xs:string
	DoNotShareWithURL	O		URL Associated with Share	xs:anyURI

Table A.169-1: DoNotShareWithType

A.170 DurationType

A duration.

Figure A.170-1: DurationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DurationType	O		A duration.	xs:decimal
@	Units	M		Unit of time of the Duration value.	xs:token
@	UnitsCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.170-1: DurationType

A.171 DwellingArrangementType

Setting/environment in which the person resides.

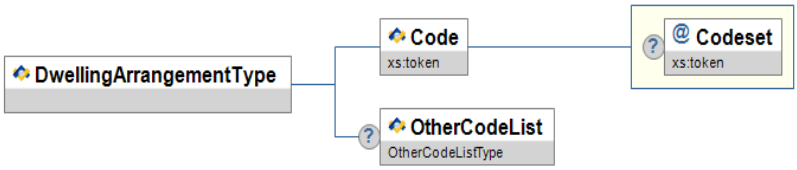

Figure A.171-1: DwellingArrangementType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DwellingArrangementType			Setting/environment in which the person resides.	
	Code	M		Code representing the setting/environment in which the person resides	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OtherCodeList	O			OtherCodeListType

Table A.171-1: DwellingArrangementType

A.172 EarnedStatusType

This gives information about a staff member's meal status.

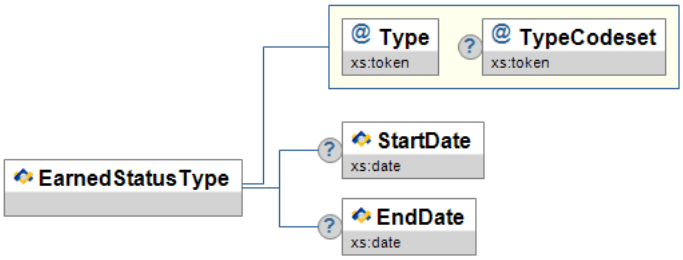

Figure A.172-1: EarnedStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EarnedStatusType			This gives information about a staff member's meal status.	
@	Type	M		Earned status type. In SIF objects where the EarnedStatus is required and does not apply, NA should be used.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	StartDate	O		Date on which earned status became effective (inclusive).	xs:date
	EndDate	C		Date on which earned status was last in effect. This attribute is conditional upon the StartDate element. It exists only if the StartDate element exists.	xs:date

Table A.172-1: EarnedStatusType

JSON

```
{
  "EarnedStatus": {
    "Type": "Yes",
    "StartDate": "2004-01-01",
    "EndDate": "2004-12-31"
  }
}
```

XML

```
<EarnedStatus Type="Yes">
  <StartDate>2004-01-01</StartDate>
  <EndDate>2004-12-31</EndDate>
</EarnedStatus>
```

Example A.172-1: EarnedStatusType

A.173 EconomicDisadvantageType

Does the student meet the State criteria for classification as having an economic disadvantage?

Figure A.173-1: EconomicDisadvantageType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EconomicDisadvantageType			Does the student meet the State criteria for classification as having an economic disadvantage?	values: Yes No Unknown

Table A.173-1: EconomicDisadvantageType

JSON

```
{
  "EconomicDisadvantage": "No"
}
```

XML

```
<EconomicDisadvantage>No</EconomicDisadvantage>
```

Example A.173-1: EconomicDisadvantageType

A.174 EDENInfoType

Container element for EDEN-specific information.

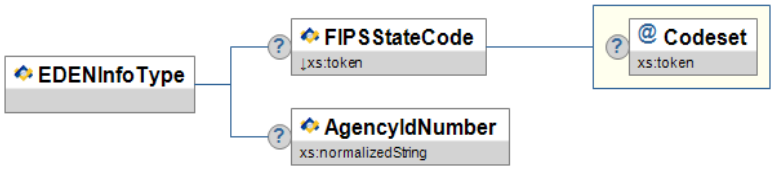

Figure A.174-1: EDENInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EDENInfoType	O		Container element for EDEN-specific information.	
	FIPSStateCode	O	000052 https://ceds.ed.gov/element/000052	The two-digit Federal Information Processing Standard (FIPS) Code for the State, District of Columbia, and the possessions and freely associated areas of the United States (e.g. Puerto Rico).	xs:token xs:pattern [0-9]{2}|[A-Z]{2}
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	AgencyIdNumber	O		A number used in EDEN to uniquely uniquely identify state agencies.	xs:normalizedString

Table A.174-1: EDENInfoType

A.175 EducationAgencyTypeType

The classification of the education agency within the geographic boundaries of a state according to the level of administrative and operational control.

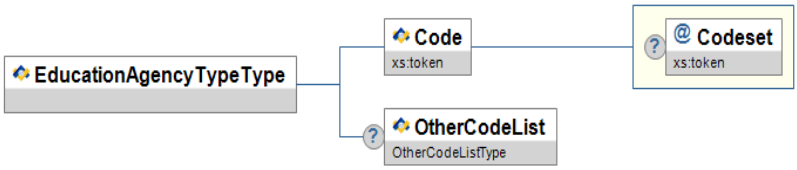

Figure A.175-1: EducationAgencyTypeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EducationAgencyTypeType	O		The classification of the education agency within the geographic boundaries of a state according to the level of administrative and operational control.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Code	M	000537 https://ceds.ed.gov/element/000537	Code indicating the operational/administrative level.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.175-1: EducationAgencyTypeType

A.176 EducationalLevelType

A code representing the highest level of education completed by a person.

Figure A.176-1: EducationalLevelType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EducationalLevelType			A code representing the highest level of education completed by a person.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.176-1: EducationalLevelType

JSON

```
{
  "EducationalLevel": "1057"
}
```

XML

```
<EducationalLevel>1057</EducationalLevel>
```

Example A.176-1: EducationalLevelType

A.177 EducationFilterType

Based on feedback from publishers, instructional management and system integrator vendors, `EducationFilter` was developed to provide the ability to tag objects with metadata that allows for categorization, sorting, and filtering, to empower teaching and learning SIF usage. There exist two main business cases:

- Content providers receiving a request for learning resources can tag content with applicable filters. Upon receipt of SIF objects, receiving application can then read the metadata to categorize the content most appropriately.
- When supported by providers, this metadata can then be utilized in queries to more precisely limit the type of content returned to requesting applications.

The use cases for `EducationFilter` require a contract and choreography to be understood between both sides of the transaction as is the case with all `SIF_Metadata`.

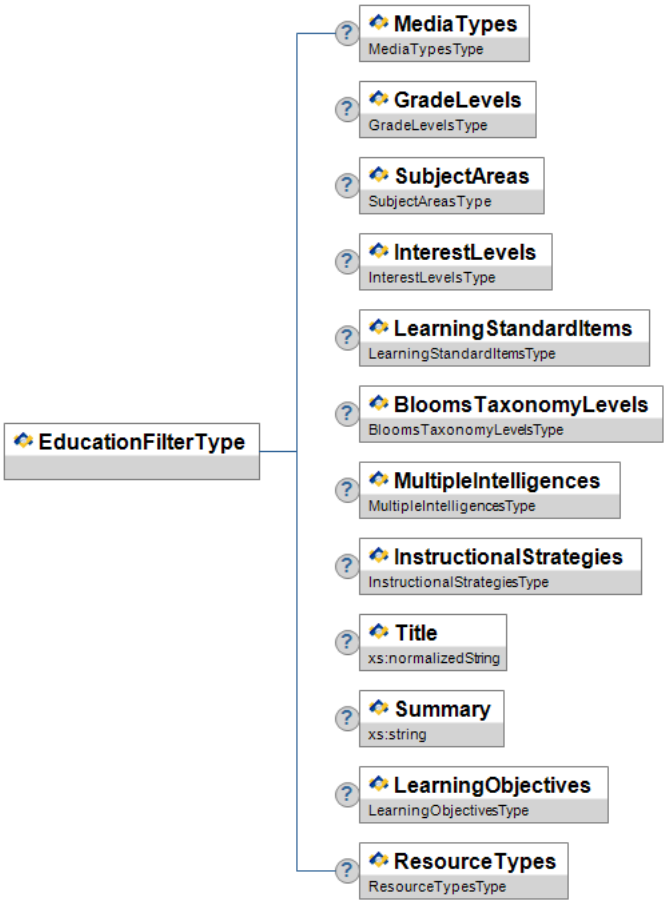

Figure A.177-1: EducationFilterType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EducationFilterType				
MediaTypes	O		Allows an object or query to be tagged with MIME types.	`MediaTypesType`
GradeLevels	O		Applicable grade levels as defined by SIF.	`GradeLevelsType`
SubjectAreas	O		This allows subject areas to be associated with an object or query. Although there could be overlap with `LearningStandardItems`, it is anticipated there will be use cases where `LearningStandardItem` objects may not exist or may not be available, and data may need to be tagged with high-level subject areas.	`SubjectAreasType`
InterestLevels	O		`InterestLevels` is designed to represent the grade level for which the content is created. For example a tenth grader is at a third grade level in Algebra. You would want to present the content at a third grade level, but in a tenth grade context or interest level.	`InterestLevelsType`
LearningStandardItems	O		Allows any SIF object to be correlated to learning standards.	`LearningStandardItemsType`
BloomsTaxonomyLevels	O		This is a taxonomy of educational objectives based on three "domains:" Affective, Psychomotor, and Cognitive. For the purposes of assigning attributes to learning resources, the SIF specification is limited to the cognitive domain, including knowledge, comprehension, application, analysis, synthesis and evaluation.	`BloomsTaxonomyLevelsType`
MultipleIntelligences	O		An educational theory that describes at least eight different kinds of "intelligences." These include linguistic, logical-mathematical, spatial, bodily-kinesthetic, musical intelligence, interpersonal, intrapersonal and naturalist.	`MultipleIntelligencesType`
InstructionalStrategies	O		The various ways that instruction is delivered to achieve learning objectives and concepts.	`InstructionalStrategiesType`
Title	O		The title of the content.	`xs:normalizedString`
Summary	O		A summary of the content.	`xs:string`

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LearningObjectives	O		Description of learning objective(s) for this lesson, i.e., "Student will be able to use Pythagorean Theorem."—equates to 'benchmark' or 'goal' or other terminology	LearningObjectivesType
ResourceTypes	O		Type of resource	ResourceTypesType

Table A.177-1: EducationFilterType

JSON


```
{
  "EducationFilter": {
    "MediaTypes": {
      "MediaType": [
        "x-application/pdf"
      ]
    },
    "GradeLevels": {
      "GradeLevel": [
        {
          "Code": {
            "value": "10"
          }
        }
      ]
    },
    "SubjectAreas": {
      "SubjectArea": [
        {
          "Code": {
            "value": "02"
          },
          "OtherCodeList": {
            "OtherCode": [
              {
                "Codeset": "Text",
                "value": "Algebra and Geometry"
              }
            ]
          }
        }
      ]
    },
    "InterestLevels": {
      "InterestLevel": [
        {
          "Code": {
            "value": "03"
          }
        }
      ]
    },
    "LearningStandardItems": {
      "LearningStandardItemRefId": [
        "502070339FA347B5B123BEF68D118332"
      ]
    },
    "BloomsTaxonomyLevels": {
      "BloomsTaxonomyLevel": [
        "Analysis"
      ]
    },
    "MultipleIntelligences": {
      "MultipleIntelligence": [
        "Logical-Mathematical"
      ]
    },
    "InstructionalStrategies": {
      "InstructionalStrategy": [
        "Self-study"
      ]
    }
  }
}
```


XML

```
<EducationFilter>
  <MediaTypes>
    <MediaType>x-application/pdf</MediaType>
  </MediaTypes>
  <GradeLevels>
    <GradeLevel>
      <Code>10</Code>
    </GradeLevel>
  </GradeLevels>
  <SubjectAreas>
    <SubjectArea>
      <Code>02</Code>
      <OtherCodeList>
        <OtherCode Codeset="Text">Algebra and Geometry</OtherCode>
      </OtherCodeList>
    </SubjectArea>
  </SubjectAreas>
  <InterestLevels>
    <InterestLevel>
      <Code>03</Code>
    </InterestLevel>
  </InterestLevels>
  <LearningStandardItems>
    <LearningStandardItemRefId>502070339FA347B5B123BEF68D118332</LearningStandardItemRefId>
  </LearningStandardItems>
  <BloomsTaxonomyLevels>
    <BloomsTaxonomyLevel>Analysis</BloomsTaxonomyLevel>
  </BloomsTaxonomyLevels>
  <MultipleIntelligences>
    <MultipleIntelligence>Logical-Mathematical</MultipleIntelligence>
  </MultipleIntelligences>
  <InstructionalStrategies>
    <InstructionalStrategy>Self-study</InstructionalStrategy>
  </InstructionalStrategies>
</EducationFilter>
```

Example A.177-1: EducationFilter - Example 1

JSON

```
{
  "EducationFilter": {
    "MediaTypes": {
      "MediaType": [
        "x-application/pdf"
      ]
    },
    "GradeLevels": {
      "GradeLevel": [
        {
          "Code": {
            "value": "10"
          }
        }
      ]
    },
    "SubjectAreas": {
      "SubjectArea": [
        {
          "Code": {
            "value": "02"
          },
          "OtherCodeList": {
            "OtherCode": [
              {
                "Codeset": "Text",
                "value": "Algebra and Geometry"
              }
            ]
          }
        }
      ]
    },
    "InterestLevels": {
      "InterestLevel": [
        {
          "Code": {
            "value": "03"
          }
        }
      ]
    },
    "LearningStandardItems": {
      "LearningStandardItemRefId": [
        "502070339FA347B5B123BEF68D118332"
      ]
    },
    "BloomsTaxonomyLevels": {
      "BloomsTaxonomyLevel": [
        "Application"
      ]
    },
    "MultipleIntelligences": {
      "MultipleIntelligence": [
        "Logical-Mathematical"
      ]
    },
    "InstructionalStrategies": {
      "InstructionalStrategy": [
        "Self-study"
      ]
    },
    "Title": "Geometry in Our World",
    "Summary": "This content provides initial definitions and instruction for line symmetry and various shapes. The students will initially learn the co
    "LearningObjectives": {
      "LearningObjective": [
        " The student will be able to identify and draw figures with symmetry. "
      ]
    },
    "ResourceTypes": {
      "ResourceType": [
        "Supplemental Resource"
      ]
    }
  }
}
```

XML

```
<EducationFilter>
  <MediaTypes>
    <MediaType>x-application/pdf</MediaType>
  </MediaTypes>
  <GradeLevels>
    <GradeLevel>
      <Code>10</Code>
    </GradeLevel>
  </GradeLevels>
  <SubjectAreas>
    <SubjectArea>
      <Code>02</Code>
      <OtherCodeList>
        <OtherCode Codeset="Text">Algebra and Geometry</OtherCode>
      </OtherCodeList>
    </SubjectArea>
  </SubjectAreas>
  <InterestLevels>
    <InterestLevel>
      <Code>03</Code>
    </InterestLevel>
  </InterestLevels>
  <LearningStandardItems>
    <LearningStandardItemRefId>502070339FA347B5B123BEF68D118332</LearningStandardItemRefId>
  </LearningStandardItems>
  <BloomsTaxonomyLevels>
    <BloomsTaxonomyLevel>Application</BloomsTaxonomyLevel>
  </BloomsTaxonomyLevels>
  <MultipleIntelligences>
    <MultipleIntelligence>Logical-Mathematical</MultipleIntelligence>
  </MultipleIntelligences>
  <InstructionalStrategies>
    <InstructionalStrategy>Self-study</InstructionalStrategy>
  </InstructionalStrategies>
  <Title>Geometry in Our World</Title>
  <Summary>This content provides initial definitions and instruction for line symmetry and various shapes. The students will initially learn the concept
  <LearningObjectives>
    <LearningObjective> The student will be able to identify and draw figures with symmetry. </LearningObjective>
  </LearningObjectives>
  <ResourceTypes>
    <ResourceType>Supplemental Resource</ResourceType>
  </ResourceTypes>
</EducationFilter>
```

Example A.177-2: EducationFilter - Example 2

A.178 effectivePeriodType

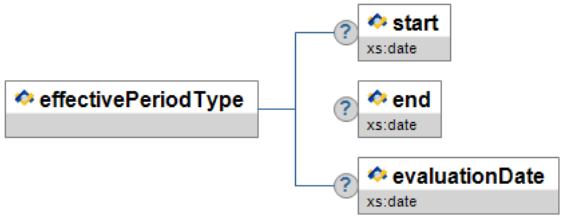

Figure A.178-1: effectivePeriodType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
effectivePeriodType				
start	O	001236 https://ceds.ed.gov/element/1236	The year, month and day on which the status of the service plan for a child is established or significantly altered.	xs:date
end	O	001683 https://ceds.ed.gov/element/001683	The year, month and day on which the status of the service plan for a child effectively ends.	xs:date
evaluationDate	O		Evaluation Date	xs:date

Table A.178-1: effectivePeriodType

A.179 ElectronicIdListType

A list of electronic identifiers associated with an entity.

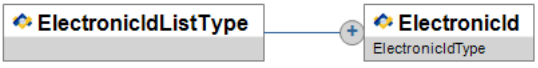

Figure A.179-1: ElectronicIdListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ElectronicIdListType			A list of electronic identifiers associated with an entity.	List
	ElectronicId	MR			ElectronicIdType

Table A.179-1: ElectronicIdListType

JSON

```
{
  "ElectronicIdList": {
    "ElectronicId": [
      {
        "Type": "Barcode",
        "value": "206654"
      },
      {
        "Type": "PIN",
        "value": "9823"
      }
    ]
  }
}
```

XML

```
<ElectronicIdList>
  <ElectronicId Type="Barcode">206654</ElectronicId>
  <ElectronicId Type="PIN">9823</ElectronicId>
</ElectronicIdList>
```

Example A.179-1: ElectronicIdListType

A.180 ElectronicIdType

Common element used to specify entity identifiers that are read by electronic equipment. It is used in objects such as StudentPersonal, StaffPersonal, and LibraryPatronStatus.

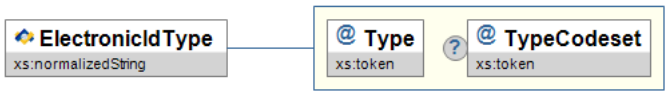

Figure A.180-1: ElectronicIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ElectronicIdType			Common element used to specify entity identifiers that are read by electronic equipment. It is used in objects such as StudentPersonal, StaffPersonal, and LibraryPatronStatus.	xs:normalizedString
@	Type	M		Electronic Id type.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.180-1: ElectronicIdType

JSON

```
{
  "ElectronicId": {
    "Type": "Barcode",
    "value": "206654"
  }
}
```

XML

```
<ElectronicId Type="Barcode">206654</ElectronicId>
```

Example A.180-1: ElectronicIdType

A.181 ELLType

Is the student an English Language Learner under Title 3?

Figure A.181-1: ELLType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ELLType			Is the student an English Language Learner under Title 3?	values: Yes No Unknown

Table A.181-1: ELLType

JSON

```
{
  "ELL": "No"
}
```

XML

```
<ELL>No</ELL>
```

Example A.181-1: ELLType

A.182 EmailListType

A list of e-mail addresses associated with an individual.

Figure A.182-1: EmailListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmailListType			A list of e-mail addresses associated with an individual.	ActionList (Email/@Type)
	Email	MR	000088 https://ceds.ed.gov/element/000088		EmailType
@	SIF_Action	O		In a `Change` event, this flag can be used to indicate an element has been deleted from the parent list container. At a minimum the key for the list must also be present.	values: Delete

Table A.182-1: EmailListType

JSON

```
{
  "EmailList": {
    "Email": [
      {
        "Type": "Primary",
        "value": "contact@sifinfo.org"
      },
      {
        "Type": "Alternate1",
        "value": "info@sifinfo.org"
      }
    ]
  }
}
```

XML

```
<EmailList>
  <Email Type="Primary">contact@sifinfo.org</Email>
  <Email Type="Alternate1">info@sifinfo.org</Email>
</EmailList>
```

Example A.182-1: EmailListType

A.183 EmailType

This element represents an e-mail address of one of a number of types and occurs in objects such as StudentPersonal, StaffPersonal, StudentContact, etc.

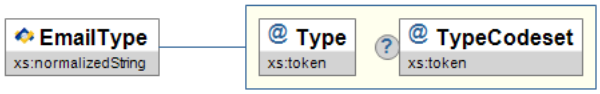

Figure A.183-1: EmailType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmailType			This element represents an e-mail address of one of a number of types and occurs in objects such as StudentPersonal, StaffPersonal, StudentContact, etc.	xs:normalizedString
@	Type	M	000089 https://ceds.ed.gov/element/000089	This attribute specifies the type of e-mail address.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.183-1: EmailType

JSON

```
{
  "Email": {
    "Type": "Primary",
    "value": "contact@sifinfo.org"
  }
}
```

XML

```
<Email Type="Primary">contact@sifinfo.org</Email>
```

Example A.183-1: EmailType

A.184 EmployeeAssignmentProgramType

The type of instructional or non-instructional program.

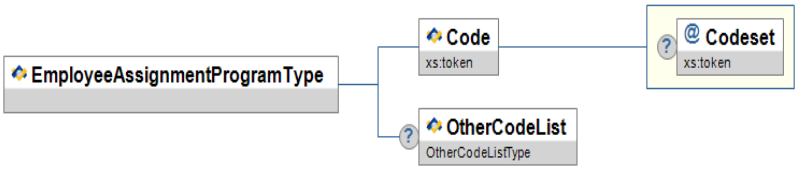

Figure A.184-1: EmployeeAssignmentProgramType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeAssignmentProgramType			The type of instructional or non-instructional program.	
	Code	M	000225 https://ceds.ed.gov/element/000225	The type of instructional or non-instructional program.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.184-1: EmployeeAssignmentProgramType

A.185 EmployeeCertificationListType

Employee certifications

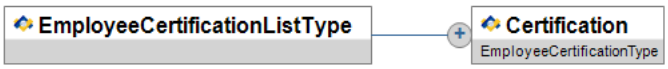

Figure A.185-1: EmployeeCertificationListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCertificationListType			Employee certifications	List
	Certification	MR		Employee certification area information	EmployeeCertificationType

Table A.185-1: EmployeeCertificationListType

A.186 EmployeeCertificationType

Employee certification area information

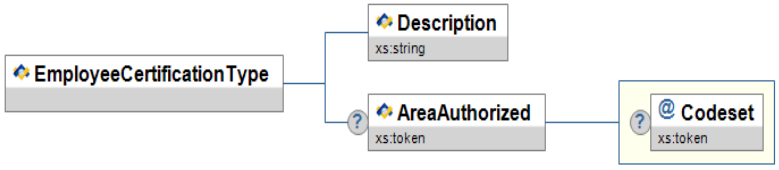

Figure A.186-1: EmployeeCertificationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCertificationType			Employee certification area information	
	Description	M		Certification description as defined by state	xs:string
	AreaAuthorized	O		Area in which employee has certification	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.186-1: EmployeeCertificationType

A.187 EmployeeCredentialAssignmentListType

List of employee assignments to schools

Figure A.187-1: EmployeeCredentialAssignmentListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCredentialAssignmentListType			List of employee assignments to schools	List

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Assignment	MR		Information about the school and assignment of employee	EmployeeCredentialAssignmentType

Table A.187-1: EmployeeCredentialAssignmentListType

A.188 EmployeeCredentialAssignmentType

Information about the school and assignment of employee

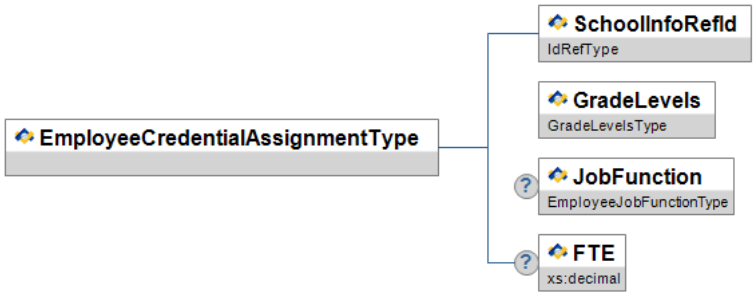

Figure A.188-1: EmployeeCredentialAssignmentType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCredentialAssignmentType			Information about the school and assignment of employee	
	SchoolInfoRefId	M		References SchoolInfo object to determine school in which this assignment pertains.	IdRefType
	GradeLevels	M		Grade which is assigned to this employee (e.g. 12)	GradeLevelsType
	JobFunction	O		The purpose of the activity in school as related to students	EmployeeJobFunctionType
	FTE	O		Full-time equivalent for this school	xs:decimal

Table A.188-1: EmployeeCredentialAssignmentType

A.189 EmployeeCredentialEducationType

Highest level of education attained by employee.

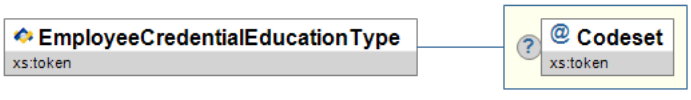

Figure A.189-1: EmployeeCredentialEducationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCredentialEducationType	M	000141 https://ceds.ed.gov/element/000141	Highest level of education attained by employee.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.189-1: EmployeeCredentialEducationType

A.190 EmployeeCredentialHighlyQualifiedTeacherIndicatorType

An indication that the teacher has been classified as highly qualified based on assignment.

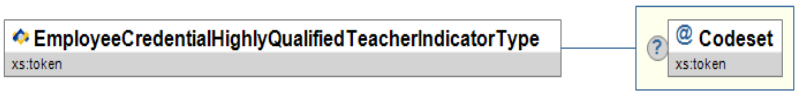

Figure A.190-1: EmployeeCredentialHighlyQualifiedTeacherIndicatorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCredentialHighlyQualifiedTeacherIndicatorType	O	000142 https://ceds.ed.gov/element/000142	An indication that the teacher has been classified as highly qualified based on assignment.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.190-1: EmployeeCredentialHighlyQualifiedTeacherIndicatorType

A.191 EmployeeCredentialHispanicType

Is this employee Hispanic or Latino?

Figure A.191-1: EmployeeCredentialHispanicType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCredentialHispanicType	O		Is this employee Hispanic or Latino?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.191-1: EmployeeCredentialHispanicType

A.192 EmployeeCredentialLeaveType

Is this employee on leave this year?

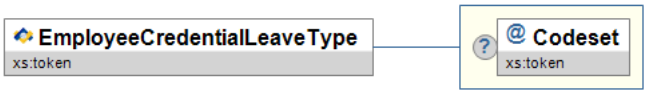

Figure A.192-1: EmployeeCredentialLeaveType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCredentialLeaveType	M	000624 https://ceds.ed.gov/element/000624	Is this employee on leave this year?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.192-1: EmployeeCredentialLeaveType

A.193 EmployeeCredentialParaprofessionalQualificationStatusType

An indication of whether paraprofessionals are classified as qualified for their assignment according to state definition.

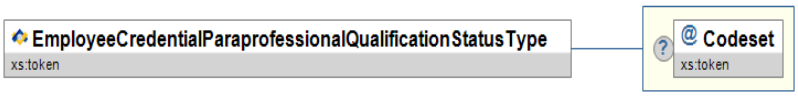

Figure A.193-1: EmployeeCredentialParaprofessionalQualificationStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCredentialParaprofessionalQualificationStatusType	O	000207 https://ceds.ed.gov/element/000207	An indication of whether paraprofessionals are classified as qualified for their assignment according to state definition.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.193-1: EmployeeCredentialParaprofessionalQualificationStatusType

A.194 EmployeeCredentialStatusType

Employee professional position status

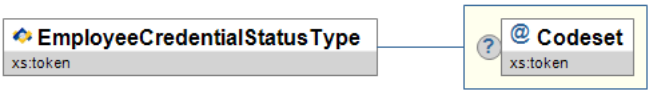

Figure A.194-1: EmployeeCredentialStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCredentialStatusType	M		Employee professional position status	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.194-1: EmployeeCredentialStatusType

A.195 EmployeeCredentialTeachingCredentialTypeType

Category in which teacher is authorized to teach

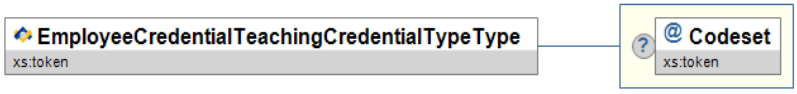

Figure A.195-1: EmployeeCredentialTeachingCredentialTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCredentialTeachingCredentialTypeType	OR	000071 https://ceds.ed.gov/element/000071	Category in which teacher is authorized to teach	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.195-1: EmployeeCredentialTeachingCredentialTypeType

A.196 EmployeeCredentialTerminationCodeType

If appropriate, employment separation reason

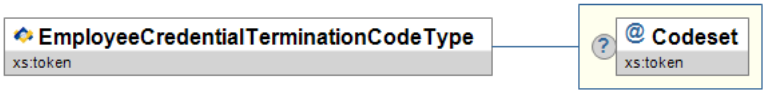

Figure A.196-1: EmployeeCredentialTerminationCodeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCredentialTerminationCodeType	O	000620 https://ceds.ed.gov/element/000620	If appropriate, employment separation reason	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.196-1: EmployeeCredentialTerminationCodeType

A.197 EmployeeCreditEarnedType

The number of units earned

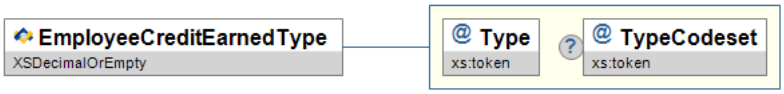

Figure A.197-1: EmployeeCreditEarnedType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeCreditEarnedType	M		The number of units earned	xs:decimal
@	Type	M		The unit description	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.197-1: EmployeeCreditEarnedType

A.198 EmployeeJobFunctionType

The purpose of the activity in school as related to students

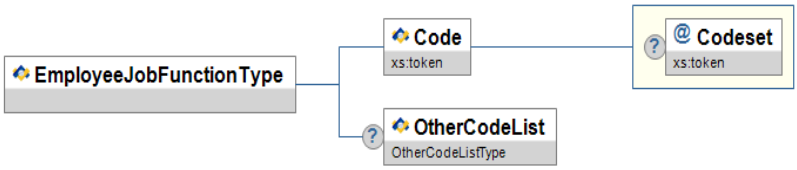

Figure A.198-1: EmployeeJobFunctionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeJobFunctionType			The purpose of the activity in school as related to students	
	Code	M	000220 https://ceds.ed.gov/element/000220	Code representing the type of job function.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.198-1: EmployeeJobFunctionType

A.199 EmployeePersonalOtherIdListType

List all "other" Ids associated with the employee.

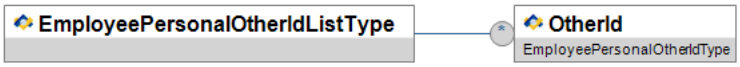

Figure A.199-1: EmployeePersonalOtherIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeePersonalOtherIdListType			List all "other" Ids associated with the employee.	OtherIdListType
	OtherId	OR		This field can hold a SSN, state or locally assigned Id.	EmployeePersonalOtherIdType

Table A.199-1: EmployeePersonalOtherIdListType

A.200 EmployeePersonalOtherIdType

This field can hold a SSN, state or locally assigned Id.

Figure A.200-1: EmployeePersonalOtherIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeePersonalOtherIdType	OR		This field can hold a SSN, state or locally assigned Id.	xs:normalizedString
@	Type	M			xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.200-1: EmployeePersonalOtherIdType

A.201 EmployeeTitleListType

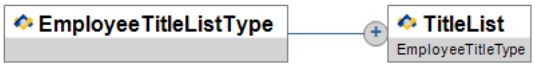

Figure A.201-1: EmployeeTitleListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EmployeeTitleListType				List
TitleList	MR		Titles of personnel employed and contracted to provide special education and related services for children with disabilities.	EmployeeTitleType

Table A.201-1: EmployeeTitleListType

A.202 EmployeeTitleType

Titles of personnel employed and contracted to provide special education and related services for children with disabilities.

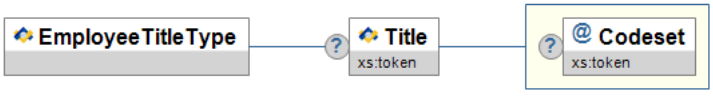

Figure A.202-1: EmployeeTitleType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EmployeeTitleType				
	Title	O	000558 https://ceds.ed.gov/element/000558	Titles of personnel employed and contracted to provide special education and related services for children with disabilities.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.202-1: EmployeeTitleType

A.203 EnergyUsageDataReadingListType

Collection of reported data readings, in time order.

Figure A.203-1: EnergyUsageDataReadingListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EnergyUsageDataReadingListType			Collection of reported data readings, in time order.	
	Reading	OR		Values for the energy readings for each interval.	EnergyUsageDataReadingType

Table A.203-1: EnergyUsageDataReadingListType

A.204 EnergyUsageDataReadingType

Values for the energy readings for each interval.

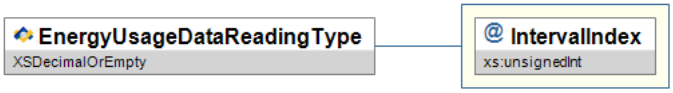

Figure A.204-1: EnergyUsageDataReadingType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EnergyUsageDataReadingType			Values for the energy readings for each interval.	xs:decimal
@	IntervalIndex	M		Interval number when reading was taken.	xs:unsignedInt

Table A.204-1: EnergyUsageDataReadingType

A.205 EnergyUsageDataSourceReadingDataListType

List of ReadingData.

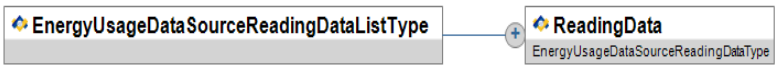

Figure A.205-1: EnergyUsageDataSourceReadingDataListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EnergyUsageDataSourceReadingDataListType	M		List of ReadingData.	List

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ReadingData	MR		Complex element defining a set of parameters that apply to all the actual readings that follow.	EnergyUsageDataSourceReadingDataType

Table A.205-1: EnergyUsageDataSourceReadingDataListType

A.206 EnergyUsageDataSourceReadingDataType

Complex element defining a set of parameters that apply to all the actual readings that follow.

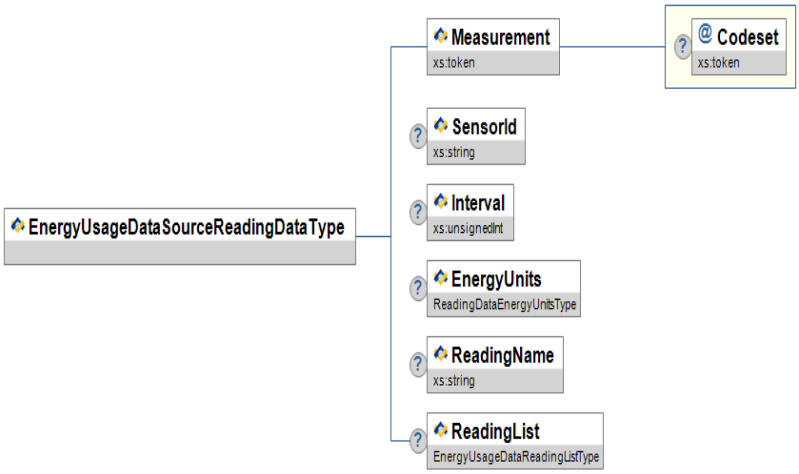

Figure A.206-1: EnergyUsageDataSourceReadingDataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EnergyUsageDataSourceReadingDataType			Complex element defining a set of parameters that apply to all the actual readings that follow.	
	Measurement	M		Measurement type.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	SensorId	O		Identification of internal meter or data source.	xs:string
	Interval	O		Time in seconds between Measurements.	xs:unsignedInt
	EnergyUnits	O			ReadingDataEnergyUnitsType
	ReadingName	O		Description of collection of readings.	xs:string
	ReadingList	O		Collection of reported data readings, in time order.	EnergyUsageDataReadingListType

Table A.206-1: EnergyUsageDataSourceReadingDataType

A.207 EnergyUsageDataSourceType

The description of the source of the measurements.

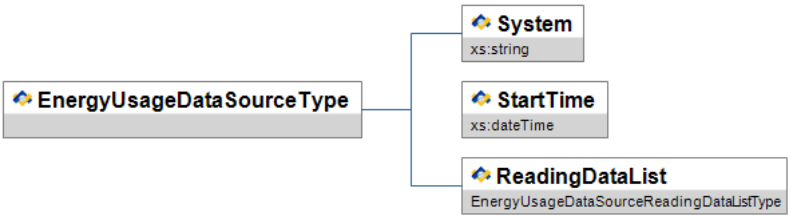

Figure A.207-1: EnergyUsageDataSourceType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EnergyUsageDataSourceType			The description of the source of the measurements.	
System	M		Identifier of the reporting system.	xs:string
StartTime	M		Start time of measurements that follow.	xs:dateTime
ReadingDataList	M		List of ReadingData.	EnergyUsageDataSourceReadingDataListType

Table A.207-1: EnergyUsageDataSourceType

A.208 EnergyUsageLocationInfoType

Complex element containing the location of where measurements apply to.

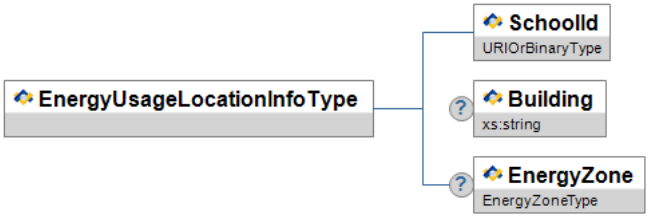

Figure A.208-1: EnergyUsageLocationInfoType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EnergyUsageLocationInfoType			Complex element containing the location of where measurements apply to.	
SchoolId	M		urn:sif:school:xxx.yyy.zzz where xxx.yyy.zzz is a structure that reading left to right starts with the most specific identification (school location) and works rightward to identify the higher levels. e.g., urn:sif:school:AcmeMiddleSchool1.CoyoteDistrict.Arizona.	URIOrBinaryType
Building	O		Name of the School Building.	xs:string
EnergyZone	O		Complex element refining and narrowing the location of the contained readings within the School/Building.	EnergyZoneType

Table A.208-1: EnergyUsageLocationInfoType

A.209 EnergyZoneTagListType

List of energy zone identifiers (each consisting of a Name and Value).

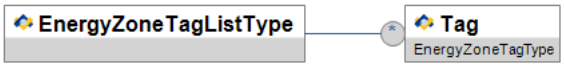

Figure A.209-1: EnergyZoneTagListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EnergyZoneTagListType	O		List of energy zone identifiers (each consisting of a Name and Value).	List
Tag	OR		An energy zone identifier. Could include “SensorGroup”, or individual SensorId”, or anything else.	EnergyZoneTagType

Table A.209-1: EnergyZoneTagListType

A.210 EnergyZoneTagType

An energy zone identifier. Could include “SensorGroup”, or individual SensorId”, or anything else.

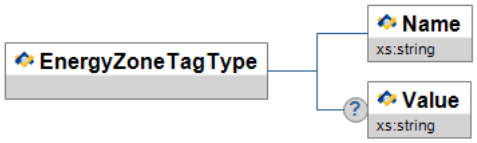

Figure A.210-1: EnergyZoneTagType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EnergyZoneTagType			An energy zone identifier. Could include “SensorGroup”, or individual SensorId”, or anything else.	
Name	M		Name of the Tag.	xs:string
Value	O		Value of the Tag.	xs:string

Table A.210-1: EnergyZoneTagType

A.211 EnergyZoneType

Complex element refining and narrowing the location of the contained readings within the School/Building.

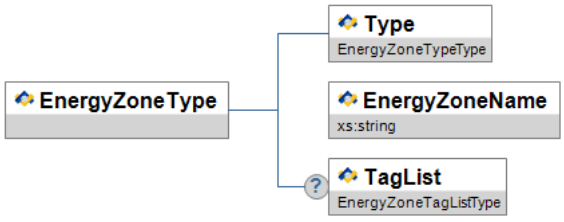

Figure A.211-1: EnergyZoneType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EnergyZoneType			Complex element refining and narrowing the location of the contained readings within the School/Building.	
Type	M		Complex type of the facility or location supported by the Energy Zone.	EnergyZoneTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EnergyZoneName	M		Text description of Energy Zone Area to which readings will apply. Examples Room 101 Oven 3 Steinhart Auditorum	xs:string
	TagList	O		List of energy zone identifiers (each consisting of a Name and Value).	EnergyZoneTagListType

Table A.211-1: EnergyZoneType

A.212 EnergyZoneTypeType

Complex type of the facility or location supported by the Energy Zone.

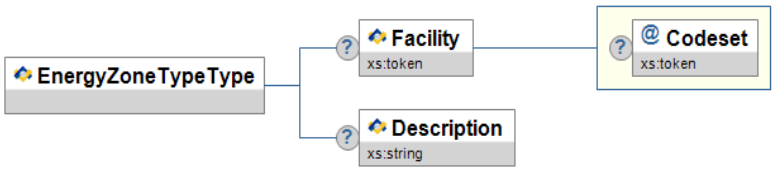

Figure A.212-1: EnergyZoneTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EnergyZoneTypeType			Complex type of the facility or location supported by the Energy Zone.	
	Facility	C		Type of educational facility. Either the faciity type or the description must be provided.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Description	C		Description of type of educational facility. Either the faciity type or the description must be provided. Used when location type is not covered by prefixed values in enumerated facility type list.	xs:string

Table A.212-1: EnergyZoneTypeType

A.213 EnglishProficiencyType

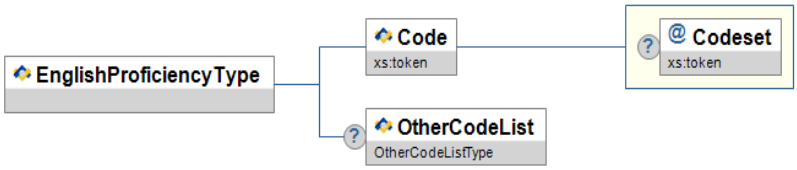

Figure A.213-1: EnglishProficiencyType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	EnglishProficiencyType	O			
	Code	M	000180 https://ceds.ed.gov/element/000180	Person's proficiency in English.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.213-1: EnglishProficiencyType

A.214 EntryDateType

Common element used to specify the date on which a student enters a school, program, course section, etc. It is used in objects such as StudentSchoolEnrollment and StudentSectionEnrollment.

Figure A.214-1: EntryDateType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EntryDateType			The first date on which a student enters.	xs:date

Table A.214-1: EntryDateType

JSON

```
{
  "EntryDate": "2004-08-27"
}
```

XML

```
<EntryDate>2004-08-27</EntryDate>
```

Example A.214-1: EntryDateType

A.215 EssentialMaterialListType

Essential materials required to engage in an activity or assignment.

Figure A.215-1: EssentialMaterialListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EssentialMaterialListType			Essential materials required to engage in an activity or assignment.	List
EssentialMaterial	OR		Essential material required to engage in this activity or assignment.	xs:string

Table A.215-1: EssentialMaterialListType

A.216 EvaluationPartsType

The set of the Evaluation Parts.

Figure A.216-1: EvaluationPartsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EvaluationPartsType	O		The set of the Evaluation Parts.	List
EvaluationPart	MR		Container for parts of the evaluation.	EvaluationPartType

Table A.216-1: EvaluationPartsType

A.217 EvaluationPartType

Container for parts of the evaluation.

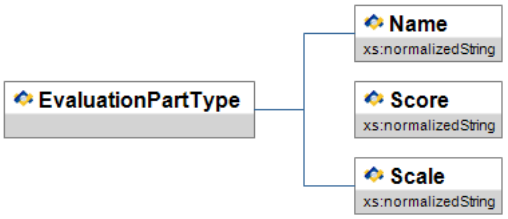

Figure A.217-1: EvaluationPartType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EvaluationPartType	MR		Container for parts of the evaluation.	
Name	M		This is the name of a part that could receive a score.	xs:normalizedString
Score	M		This is a subscore that is part of the evaluation.	xs:normalizedString
Scale	M		This is the scale for the Subscore that is part of the evaluation.	xs:normalizedString

Table A.217-1: EvaluationPartType

A.218 EvaluationRecommendationType

What was done because of a summative evaluation.

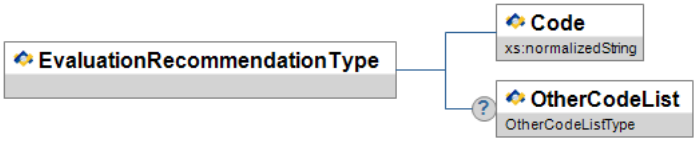

Figure A.218-1: EvaluationRecommendationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EvaluationRecommendationType	O		What was done because of a summative evaluation.	
Code	M		The code for the decision taken during the summative evaluation. This element corresponds to the global CEDS Id 000102 Currently this is limited to 80 characters.	xs:normalizedString
OtherCodeList	O		Other codes for the decision taken during the summative evaluation.	OtherCodeListType

Table A.218-1: EvaluationRecommendationType

A.219 ExceptionalityCategoryListType

Figure A.219-1: ExceptionalityCategoryListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ExceptionalityCategoryListType				List
	ExceptionalityCategory	MR			ExceptionalityCategoryType

Table A.219-1: ExceptionalityCategoryListType

A.220 ExceptionalityCategoryType

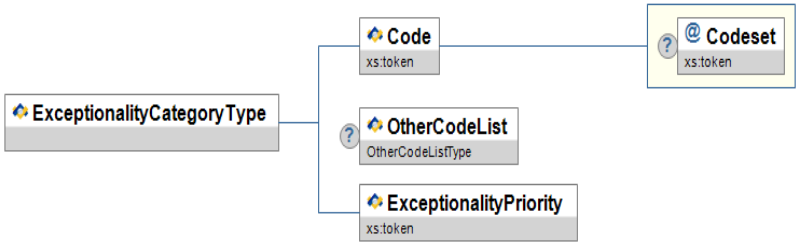

Figure A.220-1: ExceptionalityCategoryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ExceptionalityCategoryType				
	Code	M	000218 https://ceds.ed.gov/element/000218	Exceptionality description/code which identifies the exceptionality or areas of need of the student. Not all programs require identification of an exceptionality. If required for this program type, must have at least one element with ExceptionalityPriority value of `Primary`.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType
	ExceptionalityPriority	M		Identifies priority of the exceptionality. "Primary" is the first and is required even if only one exceptionality is specified. "Secondary", etc. are of lower priority. Primary, Secondary, and Tertiary must be specified before "Additional" is used.	xs:token

Table A.220-1: ExceptionalityCategoryType

JSON

```
{
  "ExceptionalityCategory": {
    "Code": {
      "value": "2121"
    },
    "ExceptionalityPriority": "Primary"
  }
}
```

XML

```
<ExceptionalityCategory>
  <Code>2121</Code>
  <ExceptionalityPriority>Primary</ExceptionalityPriority>
</ExceptionalityCategory>
```

Example A.220-1: ExceptionalityCategoryType

A.221 ExclusionRuleListType

Rules for which statistic may not be reported.

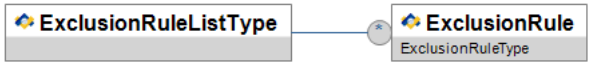

Figure A.221-1: ExclusionRuleListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ExclusionRuleListType			Rules for which statistic may not be reported.	List
	ExclusionRule	OR		Rule for which statistic may not be reported	ExclusionRuleType

Table A.221-1: ExclusionRuleListType

A.222 ExclusionRuleType

Rule for which statistic may not be reported

Figure A.222-1: ExclusionRuleType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ExclusionRuleType			Rule for which statistic may not be reported	xs:string
@	Type	M			xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.222-1: ExclusionRuleType

A.223 ExitDateType

The last school calendar day (membership day) the student was enrolled (inclusive). Refer to the object for a precise contextual definition.

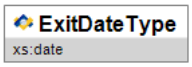

Figure A.223-1: ExitDateType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ExitDateType			The date on which a student exits.	xs:date

Table A.223-1: ExitDateType

JSON

```
{
  "ExitDate": "2005-06-03"
}
```

XML

```
<ExitDate>2005-06-03</ExitDate>
```

Example A.223-1: ExitDateType

A.224 ExpenseAccountListType

Figure A.224-1: ExpenseAccountListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ExpenseAccountListType				List
ExpenseAccount	MR		Account that is to be charged for the item.	ExpenseAccountType

Table A.224-1: ExpenseAccountListType

A.225 ExpenseAccountType

Account that is to be charged for the item.

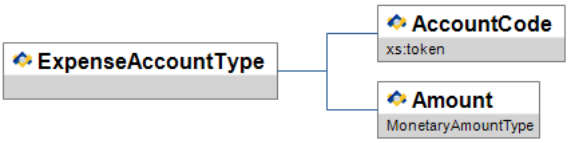

Figure A.225-1: ExpenseAccountType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ExpenseAccountType			Account that is to be charged for the item.	
AccountCode	M		Account code charged to this item.	xs:token
Amount	M		Amount charged to this account.	MonetaryAmountType

Table A.225-1: ExpenseAccountType

A.226 ExtendedContentType

Allows for any mixed XML in an element.

Figure A.226-1: ExtendedContentType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ExtendedContentType			Allows for any mixed XML in an element. ExtendedContentType is the base type for the following data types: • SIF_ExtendedElementType	<xs:complexContent mixed="true"> <xs:restriction base="xs:anyType"> <xs:sequence> <xs:any processContents="lax" minOccurs="0" maxOccurs="unbounded" /> </xs:sequence> </xs:restriction> </xs:complexContent>

Table A.226-1: ExtendedContentType

A.227 ExtendedParametersType

Allow a SIF Zone Service to have additional vendor-specific parameters.

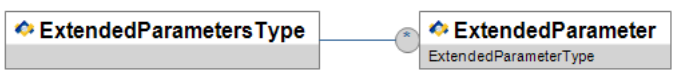

Figure A.227-1: ExtendedParametersType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ExtendedParametersType			A list of ExtendedParameter elements	List

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ExtendedParameter	OR		An arbitrary parameter with a string name and value	ExtendedParameterType

Table A.227-1: ExtendedParametersType

A.228 ExtendedParameterType

An arbitrary parameter with a string name and value

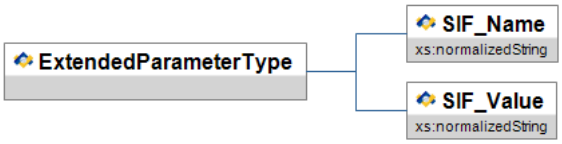

Figure A.228-1: ExtendedParameterType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ExtendedParameterType	OR		An arbitrary parameter with a string name and value	
SIF_Name	M		The name of the parameter	xs:normalizedString
SIF_Value	M		The value of the parameter	xs:normalizedString

Table A.228-1: ExtendedParameterType

A.229 FederalProgramListType

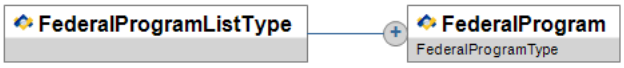

Figure A.229-1: FederalProgramListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
FederalProgramListType				List
FederalProgram	MR		The federal program that may impact funding.	FederalProgramType

Table A.229-1: FederalProgramListType

A.230 FederalProgramType

The federal program that may impact funding.

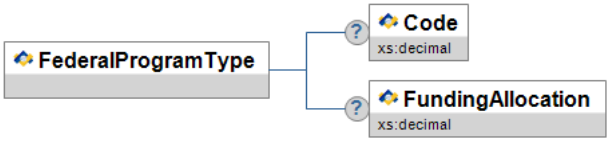

Figure A.230-1: FederalProgramType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
FederalProgramType				
Code	O	000547 https://ceds.ed.gov/element/000547	The unique five-digit number assigned to each federal program as listed in the Catalog of Federal Domestic Assistance (CFDA) Programs. See http://www.cfda.gov/.	xs:decimal

Element/@Attribute	Char	CEDS Id/URL	Description	Type
FundingAllocation	O	000549 https://ceds.ed.gov/element/000549	The amount of federal dollars distributed to local education agencies (LEAs), retained by the state education agency (SEA) for program administration or other approved state-level activities (including unallocated, transferred to another state agency, or distributed to entities other than LEAs).	xs:decimal

Table A.230-1: FederalProgramType

A.231 FederalTaxIdType

Taxpayer identification number/Federal tax Id for this vendor.

Figure A.231-1: FederalTaxIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FederalTaxIdType			Taxpayer identification number/Federal tax Id for this vendor.	xs:normalizedString
@	Code	M		The type tax Id that this is. TIN based on IRS Publication 1915 [IRSTIN].	xs:token
@	CodeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.231-1: FederalTaxIdType

A.232 FeeForUseType

Description of one fee structure applying to the use of this resource.

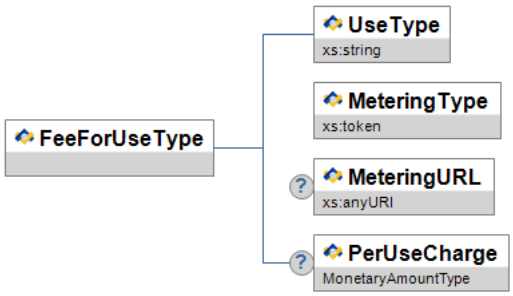

Figure A.232-1: FeeForUseType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
FeeForUseType	OR		Description of one fee structure applying to the use of this resource.	
UseType	M		A description of the fee structure for this resource. Some resources may be licensed differently depending upon their context. For example, a content provider might charge one fee structure for resources used in the classroom and a separate fee for those resources available to parents from home.	xs:string
MeteringType	M			xs:token
MeteringURL	O			xs:anyURI
PerUseCharge	O			MonetaryAmountType

Table A.232-1: FeeForUseType

A.233 FeesForUseType

A container for fees for use of the content in the object.

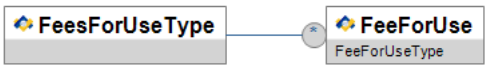

Figure A.233-1: FeesForUseType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
FeesForUseType	O		A container for fees for use of the content in the object.	List
FeeForUse	OR		Description of one fee structure applying to the use of this resource.	FeeForUseType

Table A.233-1: FeesForUseType

A.234 FinancialIncomeStatementMonetaryAmountListType

List of monetary amounts.

Figure A.234-1: FinancialIncomeStatementMonetaryAmountListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
FinancialIncomeStatementMonetaryAmountListType	M		List of monetary amounts.	List
Amount	MR		Amount	FinancialIncomeStatementMonetaryAmountType

Table A.234-1: FinancialIncomeStatementMonetaryAmountListType

A.235 FinancialIncomeStatementMonetaryAmountType

Monetary amount, with debit and credit types.

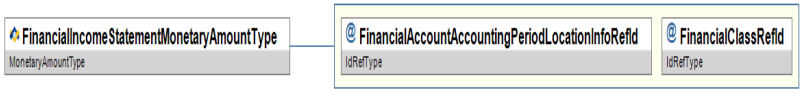

Figure A.235-1: FinancialIncomeStatementMonetaryAmountType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FinancialIncomeStatementMonetaryAmountType			Monetary amount, with debit and credit types.	MonetaryAmountType
@	FinancialAccountAccountingPeriodLocationInfoRefId	M		FinancialAccountAccountingPeriodLocationInfo reference.	IdRefType
@	FinancialClassRefId	M		Class of the financial account.	IdRefType

Table A.235-1: FinancialIncomeStatementMonetaryAmountType

A.236 FineInfoListType

List of fines assessed.

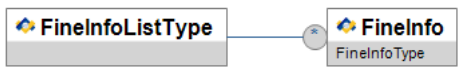

Figure A.236-1: FineInfoListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
FineInfoListType			List of fines assessed.	List

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FineInfo	OR		If the item has a fine assessed to this person, this element will contain the information about the fine.	FineInfoType

Table A.236-1: FineInfoListType

A.237 FineInfoType

If the item has a fine assessed to this person, this element will contain the information about the fine.

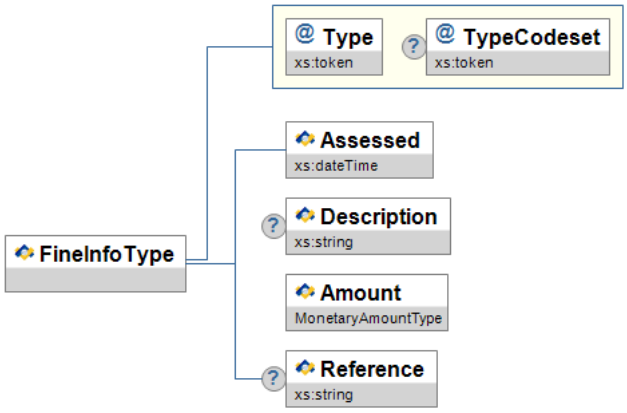

Figure A.237-1: FineInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FineInfoType	OR		If the item has a fine assessed to this person, this element will contain the information about the fine.	
@	Type	M		Type of fine assessed to this patron and item. A corresponding ItemInfo is required for all FineInfo types except "Other" and "Refund" where it is permissible to omit the ItemInfo element if there isn't an item associated with the fine.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Assessed	M		The date and time that this fine was assessed to the patron.	xs:dateTime
	Description	O		More detailed information concerning the assessed fine or refund.	xs:string
	Amount	M		The current balance of the fine expressed as a positive number.	MonetaryAmountType
	Reference	O		An application-specific reference identifier for the fine being assessed, paid, or refunded. It is intended to identify a specific fine transaction allowing consumers to include this information in Billing or Payment events sent to the library application.	xs:string

Table A.237-1: FineInfoType

A.238 FirstNameType

A person's first name.

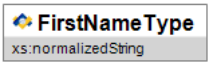

Figure A.238-1: FirstNameType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
FirstNameType			A person's first name.	xs:normalizedString

Table A.238-1: FirstNameType

JSON

```
{
  "FirstName": "Mark"
}
```

XML

```
<FirstName>Mark</FirstName>
```

Example A.238-1: FirstNameType

A.239 FoodserviceCustomerType

The customer can be a student or staff.

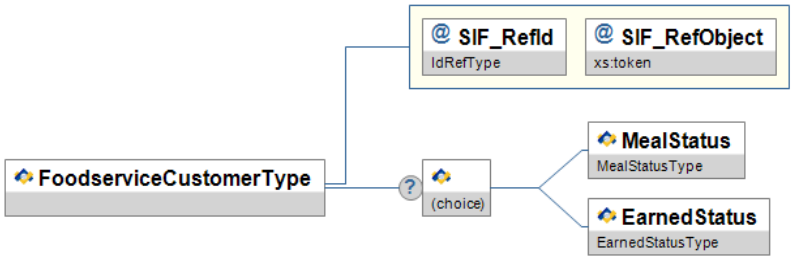

Figure A.239-1: FoodserviceCustomerType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceCustomerType			The customer can be a student or staff.	
@	SIF_RefId	M		The GUID of the customer doing the transaction.	IdRefType
@	SIF_RefObject	M		SIF customer type. If `StaffPersonal`, then `EarnedStatus` is included. If `StudentPersonal`, then `MealStatus` is included.	xs:token
	MealStatus	C			MealStatusType
	EarnedStatus	C			EarnedStatusType

Table A.239-1: FoodserviceCustomerType

A.240 FoodserviceItemQuantityListType

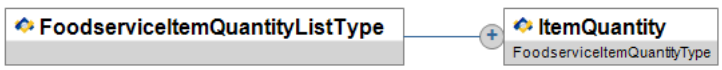

Figure A.240-1: FoodserviceItemQuantityListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
FoodserviceItemQuantityListType				List
ItemQuantity	MR		Quantity of item amounts sold	FoodserviceItemQuantityType

Table A.240-1: FoodserviceItemQuantityListType

A.241 FoodserviceItemQuantityType

Quantity of item amounts sold

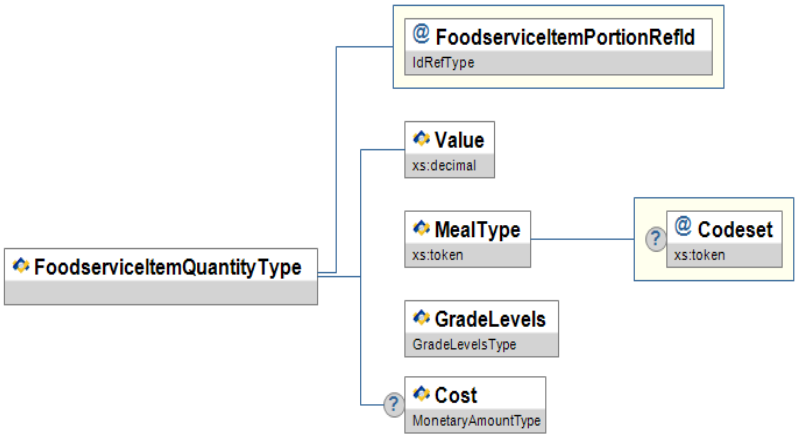

Figure A.241-1: FoodserviceItemQuantityType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceItemQuantityType			Quantity of item amounts sold	
@	FoodserviceItemPortionRefId	M		GUID of FoodserviceItemPortion object	IdRefType
	Value	M		The value of item quantity	xs:decimal
	MealType	M			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	GradeLevels	M			GradeLevelsType
	Cost	O		The cost (monetary value) of the item sold.	MonetaryAmountType

Table A.241-1: FoodserviceItemQuantityType

A.242 FoodservicePayMethodListType

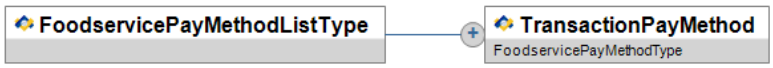

Figure A.242-1: FoodservicePayMethodListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
FoodservicePayMethodListType				List
TransactionPayMethod	MR		Transaction method.	FoodservicePayMethodType

Table A.242-1: FoodservicePayMethodListType

A.243 FoodservicePayMethodType

Transaction method.

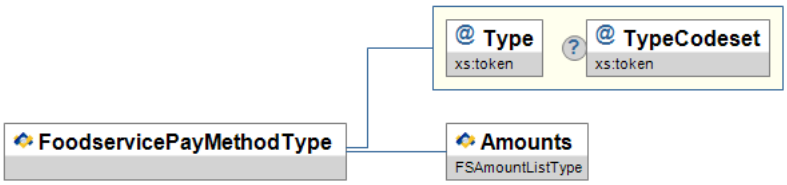

Figure A.243-1: FoodservicePayMethodType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodservicePayMethodType			Transaction method.	
@	Type	M		This refers to the way the payment was made.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Amounts	M			FSAmountListType

Table A.243-1: FoodservicePayMethodType

A.244 FoodservicePurchaseQuantityListType

Figure A.244-1: FoodservicePurchaseQuantityListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodservicePurchaseQuantityListType				List
	PurchaseQuantity	MR		Quantity of the item being purchased	FoodservicePurchaseQuantityType

Table A.244-1: FoodservicePurchaseQuantityListType

A.245 FoodservicePurchaseQuantityType

Quantity of the item being purchased

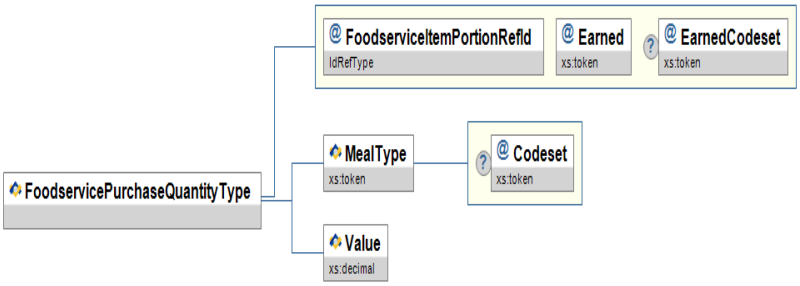

Figure A.245-1: FoodservicePurchaseQuantityType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodservicePurchaseQuantityType	MR		Quantity of the item being purchased	
@	FoodserviceItemPortionRefId	M		Foodservice Item Portion	IdRefType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Earned	M		Identifies whether the item being purchased is earned i.e., at no cost to the buyer. It is used when FoodserviceTransaction object's TransactionType element has the value "Purchase".	xs:token
@	EarnedCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	MealType	M			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Value	M		The value of quantity	xs:decimal

Table A.245-1: FoodservicePurchaseQuantityType

A.246 FoodserviceReimbursementAgencyListType

List of reimbursing agencies.

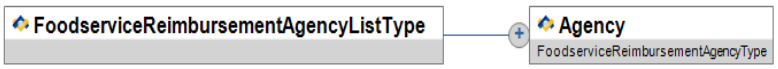

Figure A.246-1: FoodserviceReimbursementAgencyListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceReimbursementAgencyListType	M		List of reimbursing agencies.	List
	Agency	MR		Reimbursing agency	FoodserviceReimbursementAgencyType

Table A.246-1: FoodserviceReimbursementAgencyListType

A.247 FoodserviceReimbursementAgencyRateListType

Figure A.247-1: FoodserviceReimbursementAgencyRateListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceReimbursementAgencyRateListType				List
	Rate	MR		Reimbursement rate of the meal	FoodserviceReimbursementAgencyRateType

Table A.247-1: FoodserviceReimbursementAgencyRateListType

A.248 FoodserviceReimbursementAgencyRateType

Reimbursement rate of the meal

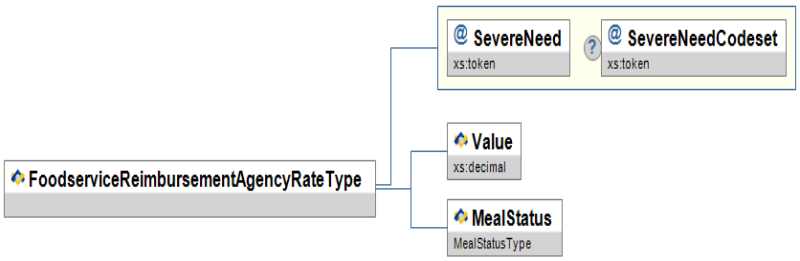

Figure A.248-1: FoodserviceReimbursementAgencyRateType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceReimbursementAgencyRateType			Reimbursement rate of the meal	
@	SevereNeed	M		Severe need identifier for the rate. When SevereNeed is `Yes` then the rate shown is the combined rate. For certain programs the severe need identifier does not apply. In such cases the value `NA` should be used.	`xs:token`
@	SevereNeedCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	`xs:token`
	Value	M		The rate value	`xs:decimal`
	MealStatus	M			`MealStatusType`

Table A.248-1: FoodserviceReimbursementAgencyRateType

A.249 FoodserviceReimbursementAgencyType

Reimbursing agency

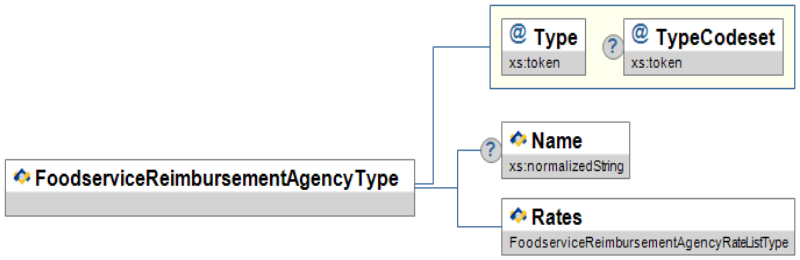

Figure A.249-1: FoodserviceReimbursementAgencyType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceReimbursementAgencyType			Reimbursing agency	
@	Type	M		Type of the reimbursing agency.	`xs:token`
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	`xs:token`
	Name	C		The name of the reimbursing agency. This element is to be used when the Type is set as `Other`.	`xs:normalizedString`
	Rates	M			`FoodserviceReimbursementAgencyRateListType`

Table A.249-1: FoodserviceReimbursementAgencyType

A.250 FoodserviceSalesAmountListType

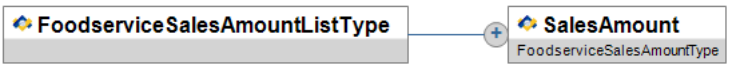

Figure A.250-1: FoodserviceSalesAmountListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceSalesAmountListType	M			List
	SalesAmount	MR		Monetary value (count * cost per unit) done for all grade levels	FoodserviceSalesAmountType

Table A.250-1: FoodserviceSalesAmountListType

A.251 FoodserviceSalesAmountType

Monetary value

(count * cost per unit) done for all grade levels

Figure A.251-1: FoodserviceSalesAmountType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceSalesAmountType			Monetary value (count * cost per unit) done for all grade levels	MonetaryAmountType
@	Type	M		Type of SalesAmount. This denotes the form of incoming funds for the sales done.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
@	AccountType	M		Type of account to which sales amounts apply. This is set to `NA` when `Type` is set as `Earned`.	xs:token
@	AccountTypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.251-1: FoodserviceSalesAmountType

A.252 FoodserviceTransactionListType

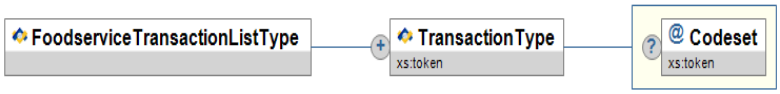

Figure A.252-1: FoodserviceTransactionListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FoodserviceTransactionListType				List
	TransactionType	MR		Type of transaction	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.252-1: FoodserviceTransactionListType

A.253 FrequencyTimeType

The frequency in segments of time.

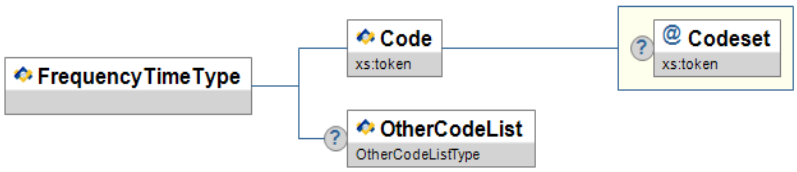

Figure A.253-1: FrequencyTimeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FrequencyTimeType			The frequency in segments of time.	
	Code	M		The frequency in segments of time.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.253-1: FrequencyTimeType

A.254 FSAmountListType

Figure A.254-1: FSAmountListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FSAmountListType				List
	Amount	MR		This amount refers to the funds being directed inwards to/outwards from the customer's account. That is: these amounts reflect the changes to the account balances.	FSAmountType

Table A.254-1: FSAmountListType

A.255 FSAmountType

This provides information about the value of a food service transaction amount. When credits are specified the value is the total cash value of all the credits.

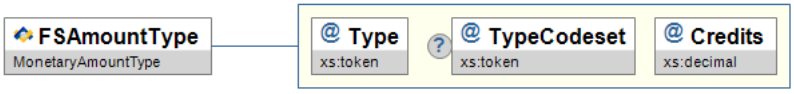

Figure A.255-1: FSAmountType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FSAmountType				MonetaryAmountType
@	Type			Type of amount. Note that when this common element is used not all of the following values apply. There are notes to indicate values that are applicable. The type `Value` is used to denote the value of the amount.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
@	Credits			Number of credits. This attribute does not apply to `Cash` or `Value` and hence has a value `0`. It only applies to types `BreakfastCredit` and `LunchCredit`.	xs:decimal

Table A.255-1: FSAmountType

A.256 FSCountListType

Figure A.256-1: FSCountListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FSCountListType				List
	Count	MR			FSCountType

Table A.256-1: FSCountListType

A.257 FSCountType

Reports aggregate counts and, optionally, received funds for individual combinations of student or staff meal status and meal type.

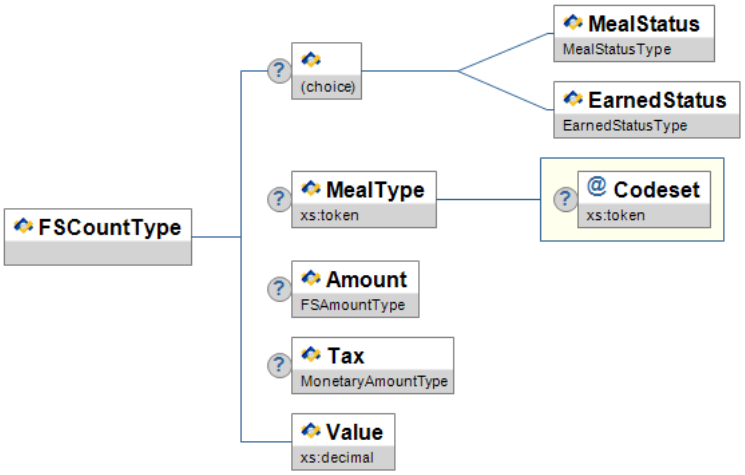

Figure A.257-1: FSCountType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FSCountType			Reports aggregate counts and, optionally, received funds for individual combinations of student or staff meal status and meal type.	
	MealStatus	C		Student meal status. If a meal status applies, either MealStatus (for students), or EarnedStatus (for staff) is specified.	MealStatusType
	EarnedStatus	C		Staff meal status.	EarnedStatusType
	MealType	O			xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Amount	O			FSAmountType
	Tax	O		Value of tax collected.	MonetaryAmountType
	Value	M		The value of the count.	xs:decimal

Table A.257-1: FSCountType

A.258 FunctionListType

A list of short descriptions of other functions the application performs.

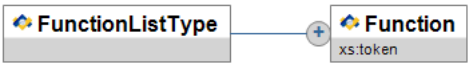

Figure A.258-1: FunctionListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FunctionListType	O		A list of short descriptions of other functions the application performs.	List
	Function	MR			xs:token

Table A.258-1: FunctionListType

A.259 FundedProgramType

This common element is used to describe program information. It uses a type attribute that provides a list of values that identify programs. Each use of this common element should specify the standard list of values to be utilized within that object.

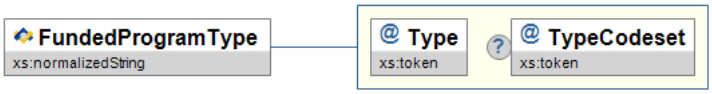

Figure A.259-1: FundedProgramType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	FundedProgramType			Program value.	xs:normalizedString
@	Type	M		The type of the program. Type identifies the list of values.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.259-1: FundedProgramType

JSON

```
{
  "Program": {
    "Type": "Foodservice",
    "value": "NSLP"
  }
}
```

XML

```
<Program Type="Foodservice">NSLP</Program>
```

Example A.259-1: FundedProgramType

A.260 fundingSourceType

Figure A.260-1: fundingSourceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	fundingSourceType				
	FundingSource	OR			
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.260-1: fundingSourceType

A.261 gCitizenshipStatusType

The persons citizenship status.

Figure A.261-1: gCitizenshipStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	gCitizenshipStatusType	O		The persons citizenship status.	xs:token

Table A.261-1: gCitizenshipStatusType

A.262 GenderType

A person's gender.

Figure A.262-1: GenderType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	GenderType	O		A person's gender.	values: M Male F Female U Unknown

Table A.262-1: GenderType

JSON

```
{
  "Gender": "F"
}
```

XML

```
<Gender>F</Gender>
```

Example A.262-1: GenderType

A.263 GenericYesNoType

Yes/No codeset for the P-POD.

Figure A.263-1: GenericYesNoType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
GenericYesNoType			Yes/No codeset for the P-POD.	values: Y Yes N No U Unknown

Table A.263-1: GenericYesNoType

A.264 gFractionDecimalType

A real number between 0 and 1, with two digits of precision.

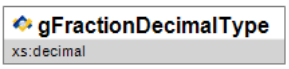

Figure A.264-1: gFractionDecimalType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
gFractionDecimalType	O		A real number between 0 and 1, with two digits of precision.	xs:decimal

Table A.264-1: gFractionDecimalType

A.265 gFullTimeStatusType

An indication of whether the student is enrolled full time or part time.

Figure A.265-1: gFullTimeStatusType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
gFullTimeStatusType	O		An indication of whether the student is enrolled full time or part time.	xs:token

Table A.265-1: gFullTimeStatusType

A.266 GiftedTalentedType

Is the student in Gifted/Talented programs?

Figure A.266-1: GiftedTalentedType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
GiftedTalentedType			Is the student in Gifted/Talented programs?	values: Yes No Unknown

Table A.266-1: GiftedTalentedType

JSON

```
{
  "GiftedTalented": "Yes"
}
```

XML

```
<GiftedTalented>Yes</GiftedTalented>
```

Example A.266-1: GiftedTalentedType

A.267 gLocalIdType

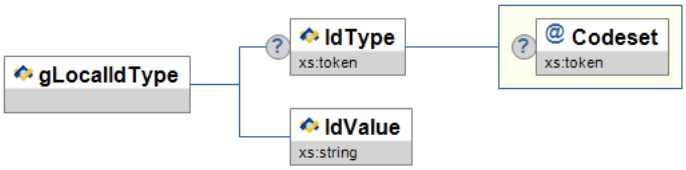

Figure A.267-1: gLocalIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	gLocalIdType				
	IdType	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	IdValue	M			xs:string

Table A.267-1: gLocalIdType

A.268 GradeLevelApprovedListType

Collection of grade levels this school approved to (but doesn't necessarily) offer.

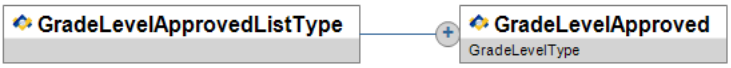

Figure A.268-1: GradeLevelApprovedListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
GradeLevelApprovedListType			Collection of grade levels this school approved to (but doesn't necessarily) offer.	List
GradeLevelApproved	MR	001926 https://ceds.ed.gov/element/001926		GradeLevelType

Table A.268-1: GradeLevelApprovedListType

A.269 GradeLevelsType

This is a common element used to specify a collection of grade levels supported. It is used in SchoolInfo and assessment-related objects.

Figure A.269-1: GradeLevelsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	GradeLevelsType			This is a common element used to specify a collection of grade levels supported. It is used in SchoolInfo and assessment-related objects.	List
	GradeLevel	MR			GradeLevelType

Table A.269-1: GradeLevelsType

JSON

```
{
  "GradeLevels": {
    "GradeLevel": [
      {
        "Code": {
          "value": "05"
        }
      },
      {
        "Code": {
          "value": "06"
        }
      },
      {
        "Code": {
          "value": "07"
        }
      },
      {
        "Code": {
          "value": "08"
        }
      }
    ]
  }
}
```

XML

```
<GradeLevels>
  <GradeLevel>
    <Code>05</Code>
  </GradeLevel>
  <GradeLevel>
    <Code>06</Code>
  </GradeLevel>
  <GradeLevel>
    <Code>07</Code>
  </GradeLevel>
  <GradeLevel>
    <Code>08</Code>
  </GradeLevel>
</GradeLevels>
```

Example A.269-1: GradeLevelsType

A.270 GradeLevelType

This is a common element used to specify a grade level. It is used in StudentSchoolEnrollment and assessment-related objects.

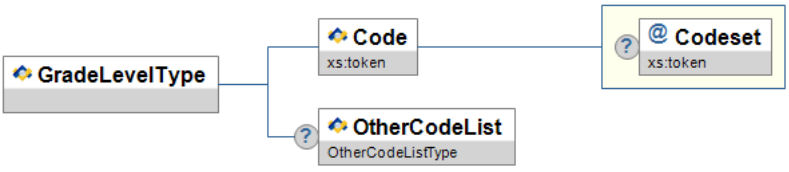

Figure A.270-1: GradeLevelType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	GradeLevelType			Grade or academic level.	
	Code	M	000100 https://ceds.ed.gov/element/000100	Code representing the grade level.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.270-1: GradeLevelType

JSON

```
{
  "GradeLevel": {
    "Code": {
      "value": "08"
    }
  }
}
```

XML

```
<GradeLevel>
  <Code>08</Code>
</GradeLevel>
```

Example A.270-1: GradeLevelType

A.271 GraduationDateType

Date student officially graduated from secondary education.

Figure A.271-1: GraduationDateType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
GraduationDateType			Date student officially graduated from secondary education.	PartialDateType

Table A.271-1: GraduationDateType

JSON

```
{
  "GraduationDate": "2005-05-27"
}
```

XML

```
<GraduationDate>2005-05-27</GraduationDate>
```

Example A.271-1: GraduationDateType

A.272 GraduationRequirementType

Does the state require that the course be completed for graduation?

Figure A.272-1: GraduationRequirementType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
GraduationRequirementType			Does the state require that the course be completed for graduation?	values: Yes No

Table A.272-1: GraduationRequirementType

JSON

```
{
  "GraduationRequirement": "Yes"
}
```

XML

```
<GraduationRequirement>Yes</GraduationRequirement>
```

Example A.272-1: GraduationRequirementType

A.273 gRefIdPointerType

A refId that refers to an instance of a SIF object. The RefId points to the object instance.

Figure A.273-1: gRefIdPointerType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
gRefIdPointerType	O		A refId that refers to an instance of a SIF object. The RefId points to the object instance.	gUUIDType

Table A.273-1: gRefIdPointerType

A.274 gRefIdType

An object or element identifier. RefIdType are immutable, and unique to an object in a SIF zone.

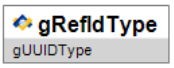

Figure A.274-1: gRefIdType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
gRefIdType	O		An object or element identifier. RefIdType are immutable, and unique to an object in a SIF zone.	gUUIDType

Table A.274-1: gRefIdType

A.275 GridLocationType

This element contains a map location. The GridLocation element is utilized within other objects and elements, such as BusStopInfo and Address, etc.

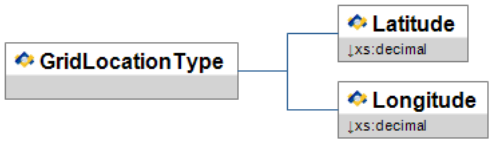

Figure A.275-1: GridLocationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
GridLocationType			This element contains a map location. The GridLocation element is utilized within other objects and elements, such as BusStopInfo and Address, etc.	
Latitude	M		Latitude in decimal degrees. Latitudes north of the equator are positive, latitudes south of the equator are negative [ISO 6709].	xs:decimal xs:minInclusive: -90 xs:maxInclusive: 90

Element/@Attribute	Char	CEDS Id/URL	Description	Type
Longitude	M		Longitude in decimal degrees. Longitudes east of the Prime Meridian in Greenwich are positive, longitudes west of the Prime Meridian are negative. The 180th meridian is negative. [ISO 6709]	xs:decimal xs:minInclusive: -180 xs:maxInclusive: 180

Table A.275-1: GridLocationType

JSON

```
{
  "GridLocation": {
    "Latitude": 41.85,
    "Longitude": -87.65
  }
}
```

XML

```
<GridLocation>
  <Latitude>41.850000</Latitude>
  <Longitude>-87.650000</Longitude>
</GridLocation>
```

Example A.275-1: GridLocationType

A.276 gStreetType

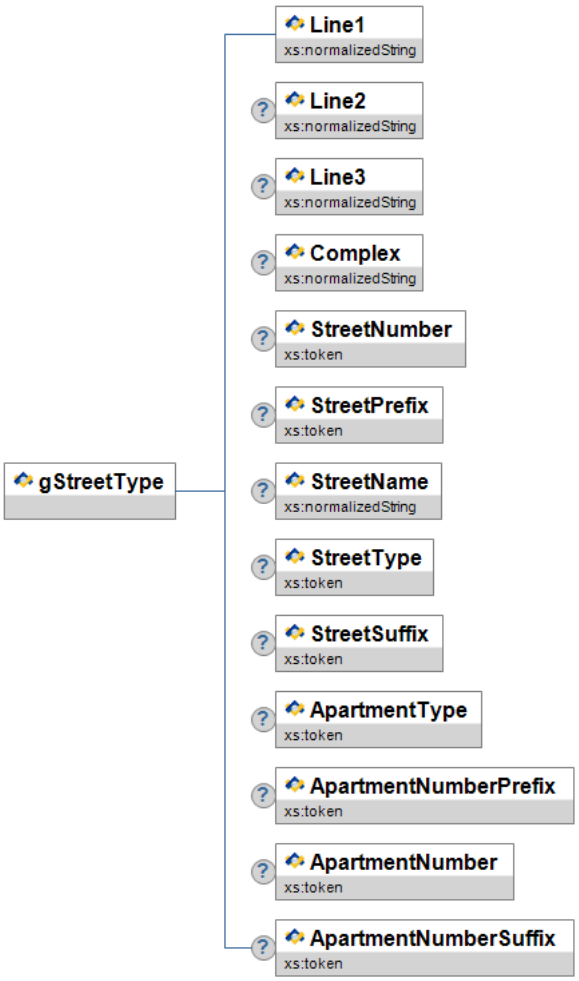

Figure A.276-1: gStreetType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
gStreetType				

Element/@Attribute	Char	CEDS Id/URL	Description	Type
Line1	M			xs:normalizedString
Line2	O			xs:normalizedString
Line3	O			xs:normalizedString
Complex	O			xs:normalizedString
StreetNumber	O			xs:token
StreetPrefix	O			xs:token
StreetName	O			xs:normalizedString
StreetType	O			xs:token
StreetSuffix	O			xs:token
ApartmentType	O			xs:token
ApartmentNumberPrefix	O			xs:token
ApartmentNumber	O			xs:token
ApartmentNumberSuffix	O			xs:token

Table A.276-1: gStreetType

A.277 GUIDType

SIF format for a GUID.

Figure A.277-1: GUIDType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
GUIDType			SIF format for a GUID.	xs:token xs:pattern [0-9A-Fa-f\-]{32,36}

Table A.277-1: GUIDType

A.278 gUUIDType

UUID or legacy GUID, used as object identifier. UUIDs are to be generated using version 1 or 4 as specified in RFC 4122, section 4.1.3.

Figure A.278-1: gUUIDType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
gUUIDType			UUID or legacy GUID, used as object identifier. UUIDs are to be generated using version 1 or 4 as specified in RFC 4122, section 4.1.3.	xs:token xs:pattern [0-9A-Fa-f\-]{32,36}

Table A.278-1: gUUIDType

A.279 HispanicLatinoType

An indication that the individual traces his or her origin or descent to Mexico, Puerto Rico, Cuba, Central or South America, or other Spanish cultures, regardless of race.

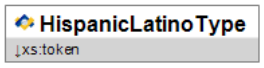

Figure A.279-1: HispanicLatinoType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
HispanicLatinoType			An indication that the individual traces his or her origin or descent to Mexico, Puerto Rico, Cuba, Central or South America, or other Spanish cultures, regardless of race.	values: Yes No

Table A.279-1: HispanicLatinoType

JSON

```
{
  "HispanicLatino": "Yes"
}
```

XML

```
<HispanicLatino>Yes</HispanicLatino>
```

Example A.279-1: HispanicLatinoType

A.280 HoldInfoListType

List of holds placed.

Figure A.280-1: HoldInfoListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	HoldInfoListType			List of holds placed.	List
	HoldInfo	OR		If the item has a hold placed on it by a patron, this element will contain the information about the hold.	HoldInfoType

Table A.280-1: HoldInfoListType

A.281 HoldInfoType

If the item has a hold placed on it by a patron, this element will contain the information about the hold.

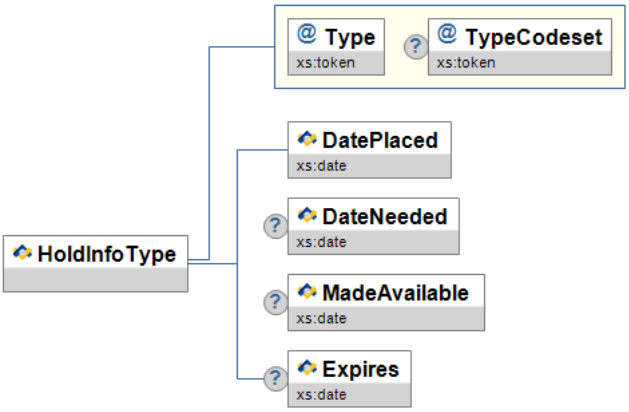

Figure A.281-1: HoldInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	HoldInfoType			If the item has a hold placed on it by a patron, this element will contain the information about the hold.	
@	Type	M		The type of hold being referenced.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DatePlaced	M		The date that the patron placed the hold.	xs:date
	DateNeeded	O		The date that the patron needs this item by.	xs:date
	MadeAvailable	O		The date that this item became available for the patron to pick up.	xs:date
	Expires	O		The date when this ready hold will expire freeing the item to be assigned to another patron.	xs:date

Table A.281-1: HoldInfoType

A.282 HomeEnrollmentFullYearEnrollmentType

An indication as to whether or not the student was enrolled for the whole school year. If the SchoolYear is in progress as of the SnapDate, use the value "Unknown".

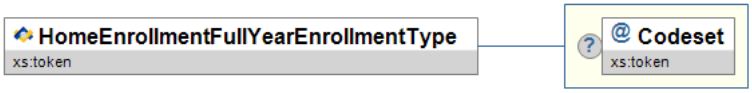

Figure A.282-1: HomeEnrollmentFullYearEnrollmentType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	HomeEnrollmentFullYearEnrollmentType	O		An indication as to whether or not the student was enrolled for the whole school year. If the SchoolYear is in progress as of the SnapDate, use the value "Unknown".	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.282-1: HomeEnrollmentFullYearEnrollmentType

A.283 HomeEnrollmentType

Enrollment-related information for the school that is responsible for reporting the student's membership/child accounting information. This is most likely the primary enrollment site for the student.

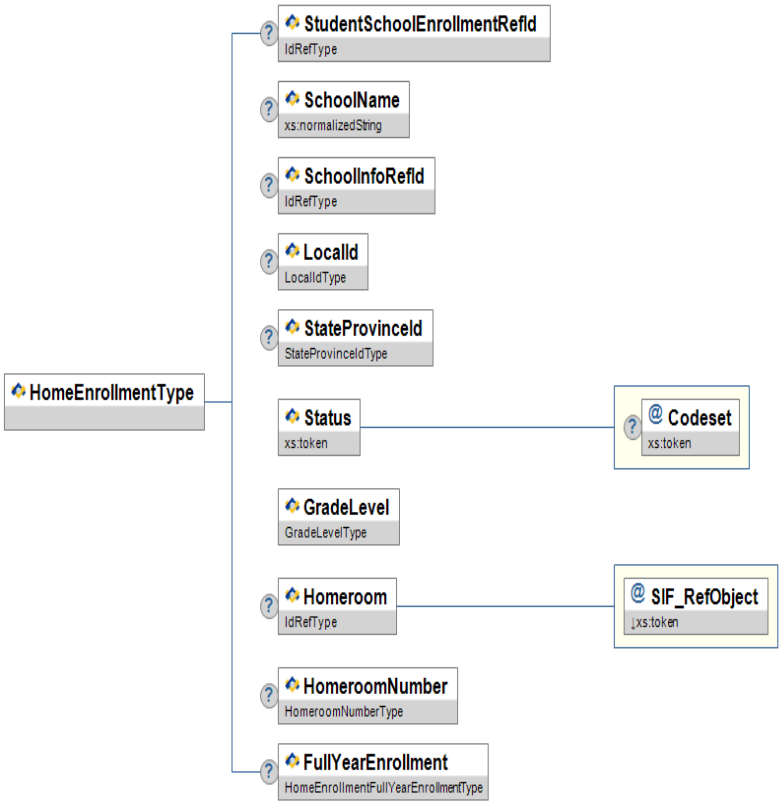

Figure A.283-1: HomeEnrollmentType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	HomeEnrollmentType	M		Enrollment-related information for the school that is responsible for reporting the student's membership/child accounting information. This is most likely the primary enrollment site for the student.	
	StudentSchoolEnrollmentRefId	O		The Id (GUID) of the StudentSchoolEnrollment object from which the enrollment information is derived.	IdRefType
	SchoolName	O		Name of the school.	xs:normalizedString
	SchoolInfoRefId	C		The Id (GUID) of the school. Provide both the HomeEnrollment/SchoolInfoRefId and HomeEnrollment/LocalId elements if possible. If not, one or the other must be provided.	IdRefType
	LocalId	C		The locally-defined identifier for this school. Provide both the HomeEnrollment/LocalId and HomeEnrollment/SchoolId elements if possible. If not, one or the other must be provided.	LocalIdType
	StateProvinceId	O		The state or province defined identifier for this school.	StateProvinceIdType
	Status	M		Enrollment status as of the SnapDate.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	GradeLevel	M		Grade or academic level of student.	GradeLevelType
	Homeroom	O			IdRefType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	SIF_RefObject	M		The name of the SIF object referenced.	values: RoomInfo
	HomeroomNumber	O		The locally-defined identifier for this room.	HomeroomNumberType
	FullYearEnrollment	O			HomeEnrollmentFullYearEnrollmentType

Table A.283-1: HomeEnrollmentType

A.284 HomelessType

Is the student homeless?

Figure A.284-1: HomelessType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	HomelessType			Is the student homeless?	values: Yes No Unknown

Table A.284-1: HomelessType

JSON

```
{
  "Homeless": "No"
}
```

XML

```
<Homeless>No</Homeless>
```

Example A.284-1: HomelessType

A.285 HomeroomNumberType

Common element used to specify the locally-defined number or identifier for a homeroom. It is used in objects such as RoomInfo and StudentSnapshot.

Figure A.285-1: HomeroomNumberType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	HomeroomNumberType			Common element used to specify the locally-defined number or identifier for a homeroom. It is used in objects such as RoomInfo and StudentSnapshot.	xs:normalizedString

Table A.285-1: HomeroomNumberType

JSON

```
{
  "HomeroomNumber": "A-204"
}
```

XML

```
<HomeroomNumber>A-204</HomeroomNumber>
```

Example A.285-1: HomeroomNumberType

A.286 IDEAType

Is the student IDEA-eligible ("special education")? (Mutually exclusive with Section 504 classification.)

Figure A.286-1: IDEAType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
IDEAType			Is the student IDEA-eligible ("special education")? (Mutually exclusive with Section 504 classification.)	values: Yes No Unknown

Table A.286-1: IDEAType

JSON

```
{
  "IDEA": "No"
}
```

XML

```
<IDEA>No</IDEA>
```

Example A.286-1: IDEAType

A.287 IdentificationInfoListType

Figure A.287-1: IdentificationInfoListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
IdentificationInfoListType				List
IdentificationInfo	MR	000364 https://ceds.ed.gov/element/000364	Other identification information associated with a school or LEA.	IdentificationInfoType

Table A.287-1: IdentificationInfoListType

JSON

```
{
  "IdentificationInfoList": {
    "IdentificationInfo": [
      {
        "Code": "0175",
        "value": "00123"
      }
    ]
  }
}
```

XML

```
<IdentificationInfoList>
  <IdentificationInfo Code="0175">00123</IdentificationInfo>
</IdentificationInfoList>
```

Example A.287-1: IdentificationInfoListType

A.288 IdentificationInfoType

Other identification information associated with a school or LEA.

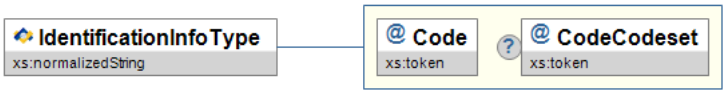

Figure A.288-1: IdentificationInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	IdentificationInfoType		001069 https://ceds.ed.gov/element/001069	Other identification information associated with a school or LEA.	xs:normalizedString
@	Code		001073 https://ceds.ed.gov/element/001073	Code indicating which identification system is used.	xs:token
@	CodeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.288-1: IdentificationInfoType

JSON

```
{
  "IdentificationInfo": {
    "Code": "0175",
    "value": "00123"
  }
}
```

XML

```
<IdentificationInfo Code="0175">00123</IdentificationInfo>
```

Example A.288-1: IdentificationInfoType

A.289 IdentityProviderListType

If the application can use multiple Identity Providers (authentication providers) to authenticate the user, for example Google directory service, LDAP, AD, etc., there could be multiple such providers in this list.

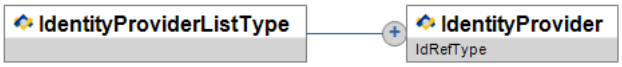

Figure A.289-1: IdentityProviderListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	IdentityProviderListType	O		If the application can use multiple Identity Providers (authentication providers) to authenticate the user, for example Google directory service, LDAP, AD, etc., there could be multiple such providers in this list.	List
	IdentityProvider	MR		RefId of an Identity Provider application.	IdRefType

Table A.289-1: IdentityProviderListType

A.290 IdRefType

A reference to a RefId.

Figure A.290-1: IdRefType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
IdRefType			A reference to a RefId.	RefIdType

Table A.290-1: IdRefType

A.291 iepAcceptedType

Figure A.291-1: iepAcceptedType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepAcceptedType	O			values: Yes No

Table A.291-1: iepAcceptedType

A.292 iepAdministrativeDataCostSharingType

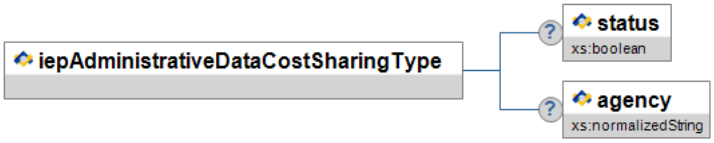

Figure A.292-1: iepAdministrativeDataCostSharingType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepAdministrativeDataCostSharingType				
status	O		Plan has cost sharing available.	xs:boolean
agency	O		Government agency contributing funds to the support of this student.	xs:normalizedString

Table A.292-1: iepAdministrativeDataCostSharingType

A.293 iepAdministrativeDataType

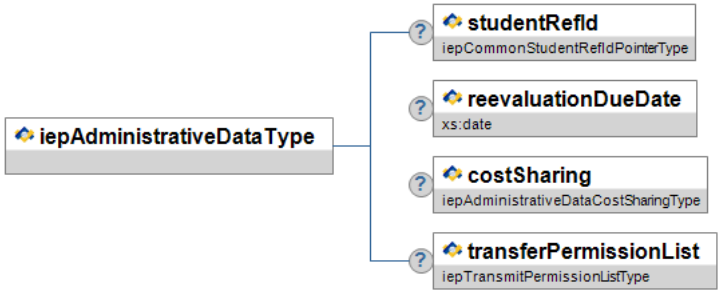

Figure A.293-1: iepAdministrativeDataType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepAdministrativeDataType				
studentRefId	O		This is the reference identifier of the student, for when the student record is expected to be retrievable. This is an alternative to the student though both may be present.	iepCommonStudentRefIdPointerType
reevaluationDueDate	O		The date that the next evaluation is due based on the three year cycle.	xs:date

Element/@Attribute	Char	CEDS Id/URL	Description	Type
costSharing	O			iepAdministrativeDataCostSharingType
transferPermissionList	O			iepTransmitPermissionListType

Table A.293-1: iepAdministrativeDataType

A.294 iepCategoryType

Figure A.294-1: iepCategoryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepCategoryType	O			values: IndependentLiving Post-secondary WorkingEnvironment

Table A.294-1: iepCategoryType

A.295 iepCommonAccommodationType

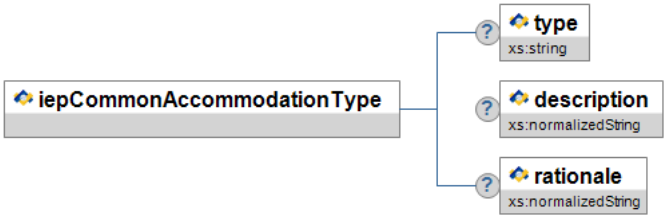

Figure A.295-1: iepCommonAccommodationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepCommonAccommodationType				
type	O	000385 https://ceds.ed.gov/element/000385	The specific accommodation necessary for assessment or instruction.	xs:string
description	O	001685 https://ceds.ed.gov/element/001685	Description of a specific accommodation or change to standards or practices that will be made.	xs:normalizedString
rationale	O	001687 https://ceds.ed.gov/element/001687	A statement of why— (A) The child cannot participate in the regular assessment; and (B) The particular alternate assessment selected is appropriate for the child.	xs:normalizedString

Table A.295-1: iepCommonAccommodationType

A.296 iepCommonAuthorizingPersonType

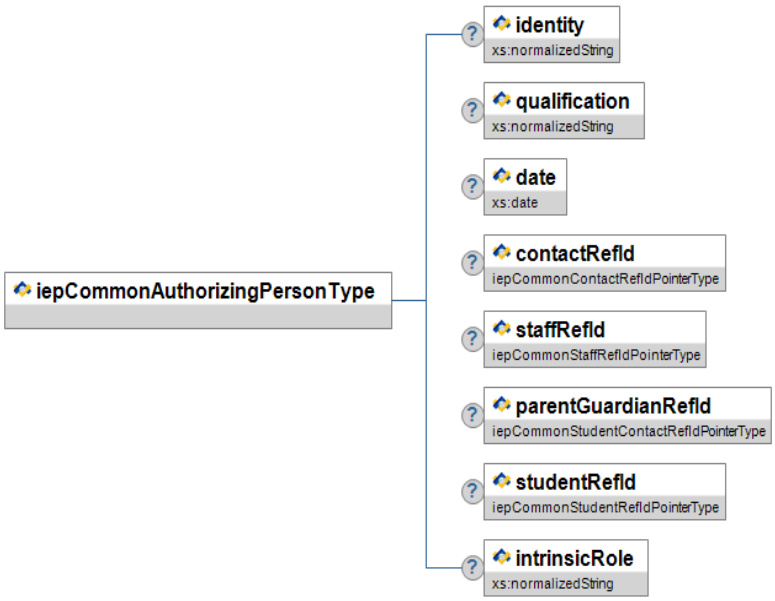

Figure A.296-1: iepCommonAuthorizingPersonType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepCommonAuthorizingPersonType				
identity	O			xs:normalizedString
qualification	O		Qualification to participate in the authorization of this plan.	xs:normalizedString
date	O	001725 https://ceds.ed.gov/element/001725	The date the authorization occurred.	xs:date
contactRefId	O		Pointer to xContact object when authorizing person is a contact	iepCommonContactRefIdPointerType
staffRefId	O		Pointer to xStaff object when authorizing person is a staff member	iepCommonStaffRefIdPointerType
parentGuardianRefId	O		Pointer to studentContacts xContact object when authorizing person is a studentContact	iepCommonStudentContactRefIdPointerType
studentRefId	O		Pointer to xStudent object when authorizing person is the student him or herself	iepCommonStudentRefIdPointerType
intrinsicRole	O		Role of the person (eg, teacher, parent, principal, student, etc).	xs:normalizedString

Table A.296-1: iepCommonAuthorizingPersonType

A.297 iepCommonContactRefIdPointerType

A refId that refers to an instance of a SIF xContact object. The RefId points to the object instance.

Figure A.297-1: iepCommonContactRefIdPointerType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepCommonContactRefIdPointerType	O		A refId that refers to an instance of a SIF xContact object. The RefId points to the object instance.	gUUIDType

Table A.297-1: iepCommonContactRefIdPointerType

A.298 iepCommonExternalPartyType

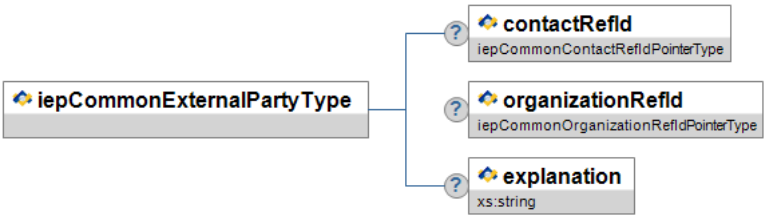

Figure A.298-1: iepCommonExternalPartyType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepCommonExternalPartyType				
contactRefId	O		Pointer to xContact object when external party is a contact	iepCommonContactRefIdPointerType
organizationRefId	O		Pointer to xOrganization object when external party is an organization	iepCommonOrganizationRefIdPointerType
explanation	O		Explanation of the role of this party in this IEP	xs:string

Table A.298-1: iepCommonExternalPartyType

A.299 iepCommonLeaRefIdPointerType

A refId that refers to an instance of xLeaType object. The RefId points to the object instance.

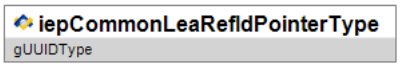

Figure A.299-1: iepCommonLeaRefIdPointerType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepCommonLeaRefIdPointerType	O		A refId that refers to an instance of xLeaType object. The RefId points to the object instance.	gUUIDType

Table A.299-1: iepCommonLeaRefIdPointerType

A.300 iepCommonOrganizationRefIdPointerType

A refId that refers to an instance of xOrganization object. The RefId points to the object instance.

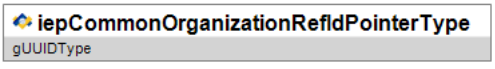

Figure A.300-1: iepCommonOrganizationRefIdPointerType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepCommonOrganizationRefIdPointerType	O		A refId that refers to an instance of xOrganization object. The RefId points to the object instance.	gUUIDType

Table A.300-1: iepCommonOrganizationRefIdPointerType

A.301 iepCommonServiceProviderType

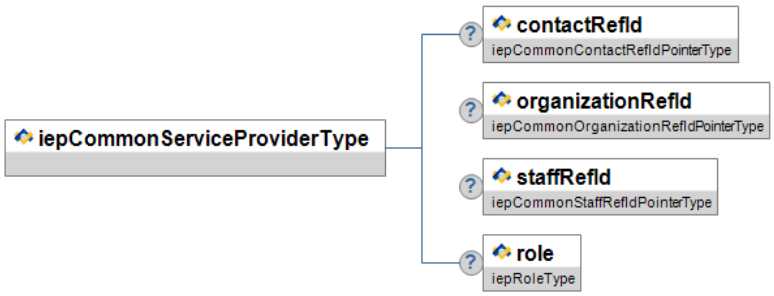

Figure A.301-1: iepCommonServiceProviderType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepCommonServiceProviderType				
contactRefId	O		Pointer to xContact object when service provider is a contact	iepCommonContactRefIdPointerType
organizationRefId	O		Pointer to xOrganization when service provider is an organization	iepCommonOrganizationRefIdPointerType
staffRefId	O		Pointer to xStaff when service provider is a staff member	iepCommonStaffRefIdPointerType
role	O	000558 https://ceds.ed.gov/element/000558	Titles of personnel employed and contracted to provide special education and related services for children with disabilities.	iepRoleType values: PSYCH SOCIALWORK OCCTHERAP AUDIO PEANDREC PHYSTHERAP SPEECHPATH INTERPRET COUNSELOR ORIENTMOBIL MEDNURSE

Table A.301-1: iepCommonServiceProviderType

A.302 iepCommonStaffRefIdPointerType

A refId that refers to an instance of a SIF xStaff object. The RefId points to the object instance.

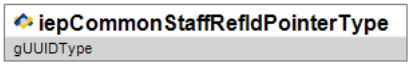

Figure A.302-1: iepCommonStaffRefIdPointerType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepCommonStaffRefIdPointerType	O		A refId that refers to an instance of a SIF xStaff object. The RefId points to the object instance.	gUUIDType

Table A.302-1: iepCommonStaffRefIdPointerType

A.303 iepCommonStudentContactRefIdPointerType

A refId that refers to an instance of xStudent/studentContacts/xStudentContactListType/xContact object. The RefId points to the object instance.

Figure A.303-1: iepCommonStudentContactRefIdPointerType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepCommonStudentContactRefIdPointerType	O		A refId that refers to an instance of xStudent/studentContacts/xStudentContactListType/xContact object. The RefId points to the object instance.	gUUIDType

Table A.303-1: iepCommonStudentContactRefIdPointerType

A.304 iepCommonStudentRefIdPointerType

A refId that refers to an instance of a SIF xStudent object. The RefId points to the object instance.

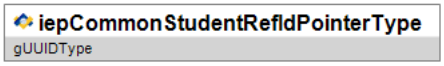

Figure A.304-1: iepCommonStudentRefIdPointerType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepCommonStudentRefIdPointerType	O		A refId that refers to an instance of a SIF xStudent object. The RefId points to the object instance.	gUUIDType

Table A.304-1: iepCommonStudentRefIdPointerType

A.305 iepEligibilityBackgroundConsentToEvaluateType

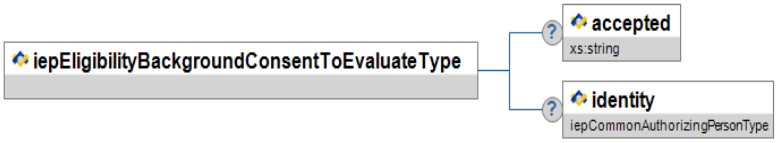

Figure A.305-1: iepEligibilityBackgroundConsentToEvaluateType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityBackgroundConsentToEvaluateType				
accepted	O	001726 https://ceds.ed.gov/element/001726	Indication parent agreed to evaluate student.	xs:string
identity	O		Identity of Consenting Person	iepCommonAuthorizingPersonType

Table A.305-1: iepEligibilityBackgroundConsentToEvaluateType

A.306 iepEligibilityBackgroundReferralReferrerType

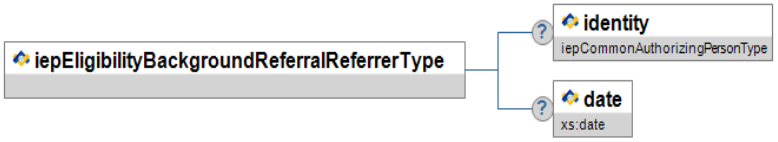

Figure A.306-1: iepEligibilityBackgroundReferralReferrerType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityBackgroundReferralReferrerType				
identity	O		Parent or official referring student for evaluation	iepCommonAuthorizingPersonType
date	O	001481 https://ceds.ed.gov/element/001481	The date of referral.	xs:date

Table A.306-1: iepEligibilityBackgroundReferralReferrerType

A.307 iepEligibilityBackgroundReferralType

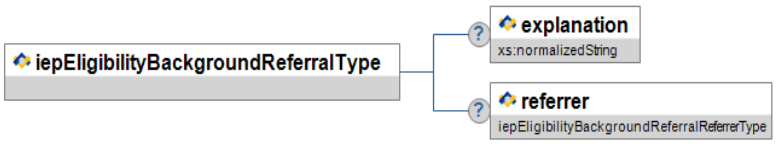

Figure A.307-1: iepEligibilityBackgroundReferralType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityBackgroundReferralType				
explanation	O	001483 https://ceds.ed.gov/element/001483	The reason for the referral.	xs:normalizedString
referrer	O			iepEligibilityBackgroundReferralReferrerType

Table A.307-1: iepEligibilityBackgroundReferralType

A.308 iepEligibilityBackgroundType

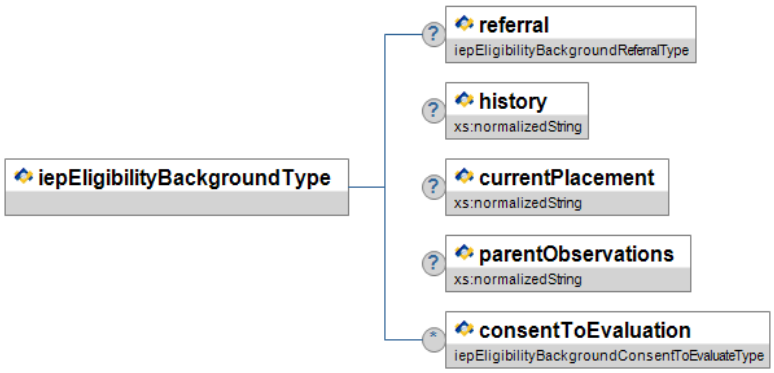

Figure A.308-1: iepEligibilityBackgroundType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityBackgroundType				
referral	O			iepEligibilityBackgroundReferralType
history	O		Historical information significant to special education evaluation	xs:normalizedString
currentPlacement	O		Description of the current placement of student	xs:normalizedString
parentObservations	O	001732 https://ceds.ed.gov/element/001732	Explanation of parent's observations of student's characteristics and history used for determining eligibility.	xs:normalizedString
consentToEvaluation	OR		Legal authorization to conduct evaluation	iepEligibilityBackgroundConsentToEvaluateType

Table A.308-1: iepEligibilityBackgroundType

A.309 iepEligibilityEvaluationResultListType

List of the results of evaluations of the student

Figure A.309-1: iepEligibilityEvaluationResultListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityEvaluationResultListType			List of the results of evaluations of the student	
evaluationResult	OR		Results of one specific evaluation.	iepEligibilityEvaluationResultType

Table A.309-1: iepEligibilityEvaluationResultListType

A.310 iepEligibilityEvaluationResultType

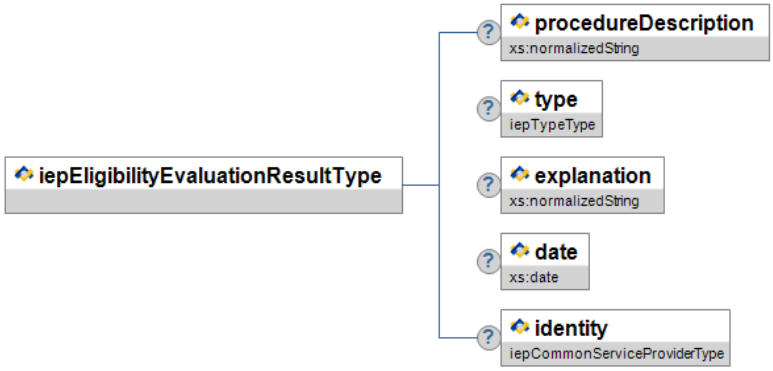

Figure A.310-1: iepEligibilityEvaluationResultType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityEvaluationResultType				
procedureDescription	O	001730 https://ceds.ed.gov/element/001730	Description of evaluation procedure and result used for determining eligibility.	xs:normalizedString
type	O	001729 https://ceds.ed.gov/element/001729	Category of evaluation used for IDEA eligibility.	iepTypeType values: Academic Achievement Developmental Motor Functional Behavior Adaptive Behavior Transition Vocational Communication Hearing Vision Orientation and Mobility Medical Language Speech Cognitive Social/Emotional Other
explanation	O		Explanation for choice of other or information refining type selection.	xs:normalizedString
date	O	001731 https://ceds.ed.gov/element/001731	The date when the evaluation was conducted.	xs:date
identity	O		Identity of person making the evaluation	iepCommonServiceProviderType

Table A.310-1: iepEligibilityEvaluationResultType

A.311 iepEligibilityIdeaDisabilityAnalysisType

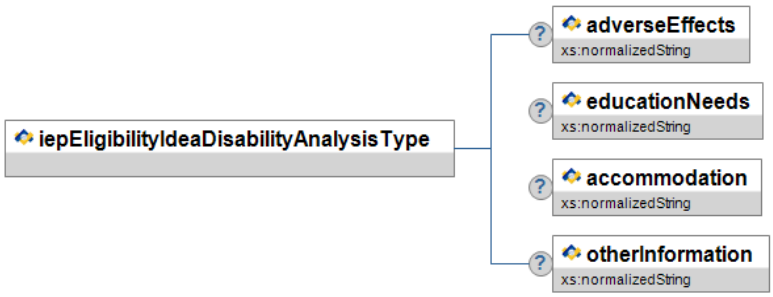

Figure A.311-1: iepEligibilityIdeaDisabilityAnalysisType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityIdeaDisabilityAnalysisType				
adverseEffects	O		Discussion of the educational problems that result from the disability	xs:normalizedString
educationNeeds	O		Description of the overall changes needed for the student's educational program	xs:normalizedString
accommodation	O		Description of the accommodation needed to optimize the student's potential for learning.	xs:normalizedString
otherInformation	O		Additional information that explains how to improve the student's educational outcome.	xs:normalizedString

Table A.311-1: iepEligibilityIdeaDisabilityAnalysisType

A.312 iepEligibilityIdeaDisabilityDecisionsType

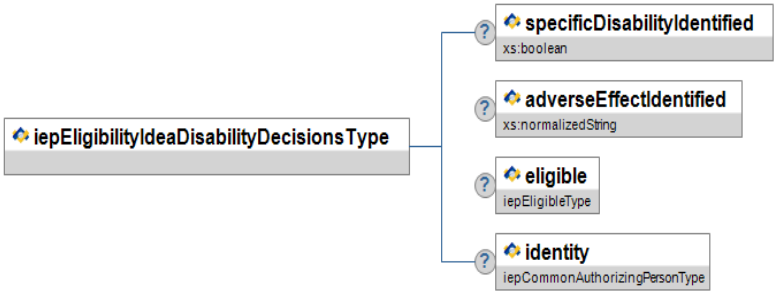

Figure A.312-1: iepEligibilityIdeaDisabilityDecisionsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityIdeaDisabilityDecisionsType				
specificDisabilityIdentified	O	000577 https://ceds.ed.gov/element/000577	An indication of whether a person is classified as disabled under the American's with Disability Act (ADA).	xs:boolean
adverseEffectIdentified	O		Official determination that the disability has adverse effects	xs:normalizedString

Element/@Attribute	Char	CEDS Id/URL	Description	Type
eligible	O	000151 https://ceds.ed.gov/element/000151	A person having intellectual disability; hearing impairment, including deafness; speech or language impairment; visual impairment, including blindness; serious emotional disturbance (hereafter referred to as emotional disturbance); orthopedic impairment; autism; traumatic brain injury; developmental delay; other health impairment; specific learning disability; deaf-blindness; or multiple disabilities and who, by reason thereof, receive special education and related services under the Individuals with Disabilities Education Act (IDEA) according to an Individualized Education Program (IEP), Individual Family Service Plan (IFSP), or service plan.	iepEligibleType values: Yes No
identity	O		Identity of Person Responsible for Eligibility Determination	iepCommonAuthorizingPersonType

Table A.312-1: iepEligibilityIdeaDisabilityDecisionsType

A.313 iepEligibilityIdeaDisabilitySpecificLearningDisabilityDecisionsType

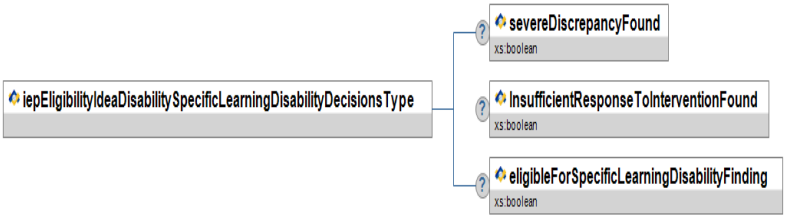

Figure A.313-1: iepEligibilityIdeaDisabilitySpecificLearningDisabilityDecisionsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityIdeaDisabilitySpecificLearningDisabilityDecisionsType				
severeDiscrepancyFound	O		Determination that there is a severe discrepancy between standard educational attainment and student performance	xs:boolean
InsufficientResponseToInterventionFound	O		Determination that student has not responded to intervention	xs:boolean
eligibleForSpecificLearningDisabilityFinding	O		Determination that this student is eligible for special education	xs:boolean

Table A.313-1: iepEligibilityIdeaDisabilitySpecificLearningDisabilityDecisionsType

A.314 iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsprimaryCauseExclusionsDeterminantFactorsTyp

Figure A.314-1: iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsprimaryCauseExclusionsDeterminantFactorsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsprimaryCauseExclusionsDeterminantFactorsType				
insufficientMath	O		Insufficient Math Found	xs:normalizedString
insufficientReading	O		Insufficient Reading Found	xs:normalizedString
insufficientEnglish	O		Insufficient English Found	xs:normalizedString
visualHearingOrMotorDisability	O		Visual, Hearing Or Motor Disability Found	xs:normalizedString
intellectualDisability	O		Intellectual Disability Found	xs:normalizedString
emotionalDisability	O		Emotional Disability Found	xs:normalizedString
culturalFactors	O		Cultural Factors Found	xs:normalizedString
environmentalOrEconomicDisadvantage	O		Environmental Or Economic Disadvantage Found	xs:normalizedString

Element/@Attribute	Char	CEDS Id/URL	Description	Type
limitedEnglishProficiency	O		Limited English Proficiency Found	xs:normalizedString

Table A.314-1: iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsprimaryCauseExclusionsDeterminantFactorsType

A.315 iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsPrimaryCauseExclusionsType

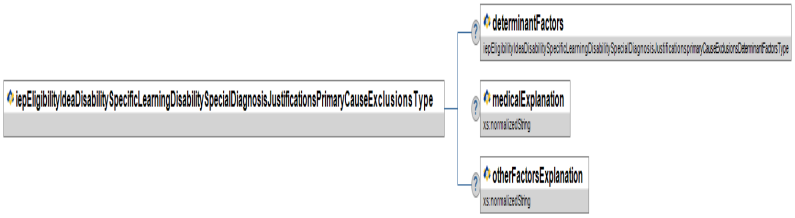

Figure A.315-1: iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsPrimaryCauseExclusionsType

Element/@Attribute	Char	CEDS Id/URL	Description	
iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsPrimaryCauseExclusionsType				
determinantFactors	O			iepEligibilityIdeaDisabilitySpecificLearn
medicalExplanation	O		Medical reasons for determination that a potentially excluded factor is actually a disability	xs:normalizedString
otherFactorsExplanation	O		Other reasons that student should not be excluded from special education programs	xs:normalizedString

Table A.315-1: iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsPrimaryCauseExclusionsType

A.316 iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsSpecificLearningDisabilityType

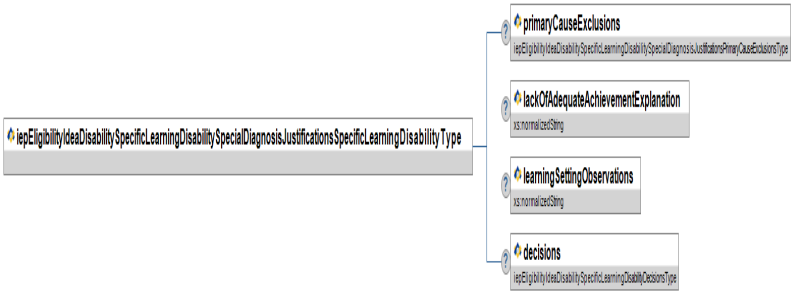

Figure A.316-1: iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsSpecificLearningDisabilityType

Element/@Attribute	Char	CEDS Id/URL	Description	
iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsSpecificLearningDisabilityType				

Element/@Attribute	Char	CEDS Id/URL	Description	
primaryCauseExclusions	O			iepEligibilityIdeaDisabilitySpecificLear
lackOfAdequateAchievementExplanation	O		Description the specific educational shortcomings that lead to a disability diagnosis	xs:normalizedString
learningSettingObservations	O		Observations about the student's performance in a practical learning setting	xs:normalizedString
decisions	O			iepEligibilityIdeaDisabilitySpecificLear

Table A.316-1: iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsSpecificLearningDisabilityType

A.317 iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsType

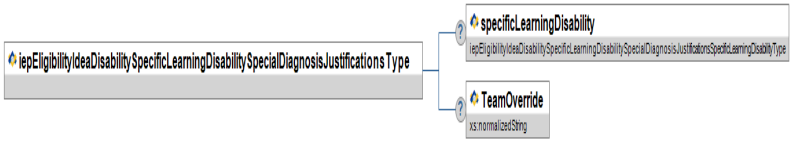

Figure A.317-1: iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsType				
specificLearningDisability	O			iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosi
TeamOverride	O		Information supporting the disability code 'Team Override'	xs:normalizedString

Table A.317-1: iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsType

A.318 iepEligibilityIdeaDisabilityType

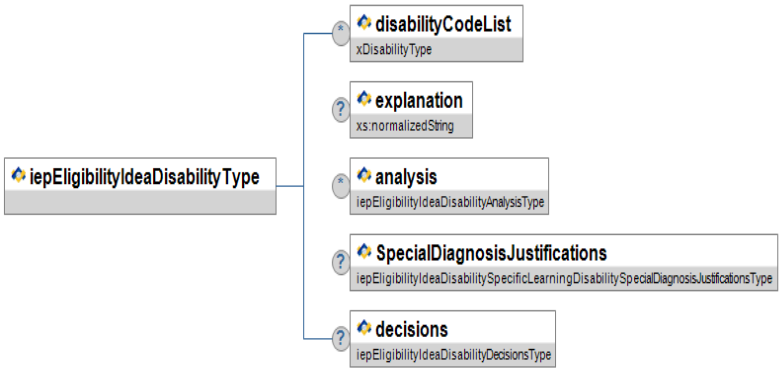

Figure A.318-1: iepEligibilityIdeaDisabilityType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityIdeaDisabilityType				
disabilityCodeList	OR	000218 https://ceds.ed.gov/element/000218/	Categories of Disability Under IDEA	xDisabilityType
explanation	O		Explanation or information refining disabilty selection.	xs:normalizedString
analysis	OR			iepEligibilityIdeaDisabilityAnalysisType
SpecialDiagnosisJustifications	O			iepEligibilityIdeaDisabilitySpecificLearningDisabilitySpecialDiagnosisJustificationsType
decisions	O			iepEligibilityIdeaDisabilityDecisionsType

Table A.318-1: iepEligibilityIdeaDisabilityType

A.319 iepEligibilityParticipantReportListParticipantReportType

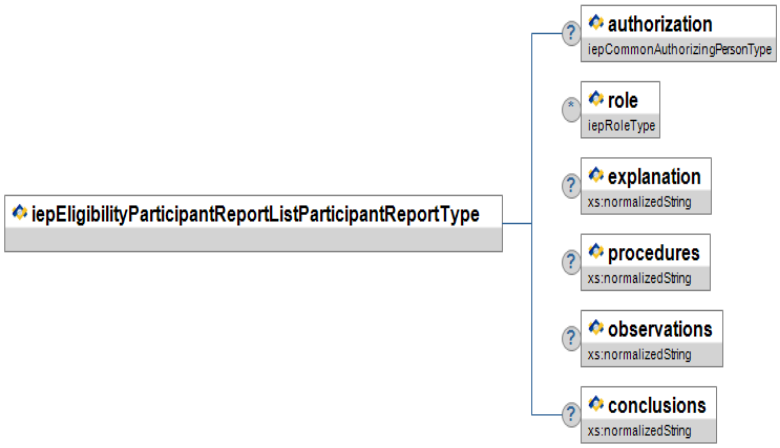

Figure A.319-1: iepEligibilityParticipantReportListParticipantReportType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityParticipantReportListParticipantReportType				
authorization	O		Proved identity of report author	iepCommonAuthorizingPersonType
role	OR		Professional occupation category or relationship to student	iepRoleType values: PSYCH SOCIALWORK OCCTHERAP AUDIO PEANDREC PHYSTHERAP SPEECHPATH INTERPRET COUNSELOR ORIENTMOBIL MEDNURSE
explanation	O		Explanation for choice of other or information refining category selection.	xs:normalizedString
procedures	O		What the participant did with the student	xs:normalizedString
observations	O		What the participant observed during evaluation	xs:normalizedString

Element/@Attribute	Char	CEDS Id/URL	Description	Type
conclusions	O		Conclusions reached as a result of the evaluation	xs:normalizedString

Table A.319-1: iepEligibilityParticipantReportListParticipantReportType

A.320 iepEligibilityParticipantReportListType

Documentation produced by people who have participated in the eligibility determination

Figure A.320-1: iepEligibilityParticipantReportListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityParticipantReportListType			Documentation produced by people who have participated in the eligibility determination	
participantReport	O			iepEligibilityParticipantReportListParticipantReportType

Table A.320-1: iepEligibilityParticipantReportListType

A.321 iepEligibilityType

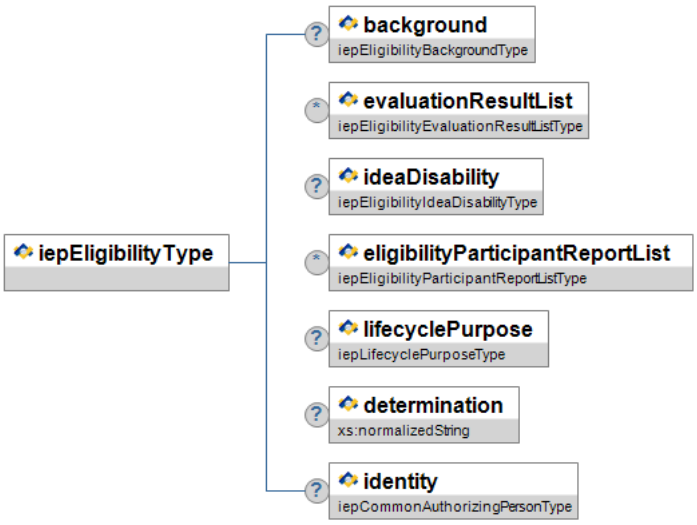

Figure A.321-1: iepEligibilityType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibilityType				
background	O			iepEligibilityBackgroundType
evaluationResultList	OR			iepEligibilityEvaluationResultListType
ideaDisability	O			iepEligibilityIdeaDisabilityType
eligibilityParticipantReportList	OR			iepEligibilityParticipantReportListType
lifecyclePurpose	O	001728 https://ceds.ed.gov/element/001728	Purpose within the IEP lifecycle for which the eligibility evaluation is conducted.	iepLifecyclePurposeType values: Initial Reevaluation
determination	O		Explanation for how the student's condition meets the criteria for disability.	xs:normalizedString

Element/@Attribute	Char	CEDS Id/URL	Description	Type
identity	O		Identity of Person Making the Determination	iepCommonAuthorizingPersonType

Table A.321-1: iepEligibilityType

A.322 iepEligibleType

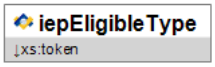

Figure A.322-1: iepEligibleType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEligibleType	O			values: Yes No

Table A.322-1: iepEligibleType

A.323 iepEnvironmentForEarlyChildhoodType

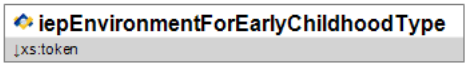

Figure A.323-1: iepEnvironmentForEarlyChildhoodType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEnvironmentForEarlyChildhoodType	O			values: REC09YOTHLOC REC10YOTHLOC REC09YSVCS REC10YSVCS SC SS RF H SPL

Table A.323-1: iepEnvironmentForEarlyChildhoodType

A.324 iepEnvironmentForSchoolAgeType

Figure A.324-1: iepEnvironmentForSchoolAgeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepEnvironmentForSchoolAgeType	O			values: RC80 RC79T040 RC39 SS RF HH CF PPPS

Table A.324-1: iepEnvironmentForSchoolAgeType

A.325 iepExtendsSchoolYearType

Figure A.325-1: iepExtendsSchoolYearType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepExtendsSchoolYearType	O			values: Yes No

Table A.325-1: iepExtendsSchoolYearType

A.326 iepInclusiveSettingIndicatorType

Figure A.326-1: iepInclusiveSettingIndicatorType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepInclusiveSettingIndicatorType	O			values: Yes No

Table A.326-1: iepInclusiveSettingIndicatorType

A.327 iepLifecyclePurposeType

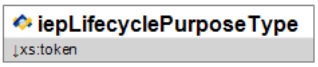

Figure A.327-1: iepLifecyclePurposeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepLifecyclePurposeType	O			values: Initial Reevaluation

Table A.327-1: iepLifecyclePurposeType

A.328 iepPeriodType

Figure A.328-1: iepPeriodType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPeriodType	O			values: day week month quarter term year school year

Table A.328-1: iepPeriodType

A.329 iepPlanAccommodationsListAccommodationApplicabiltyListType

List of circumstances in which the accommodation or change to standards or practices will be applied.

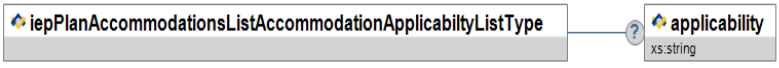

Figure A.329-1: iepPlanAccommodationsListAccommodationApplicabiltyListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAccommodationsListAccommodationApplicabiltyListType			List of circumstances in which the accommodation or change to standards or practices will be applied.	

Element/@Attribute	Char	CEDS Id/URL	Description	Type
applicability	O	001686 https://ceds.ed.gov/element/001686	Circumstances in which the accommodation or change to standards or practices will be applied.	xs:string

Table A.329-1: iepPlanAccommodationsListAccommodationApplicabiltyListType

A.330 iepPlanAccommodationsListAccommodationType

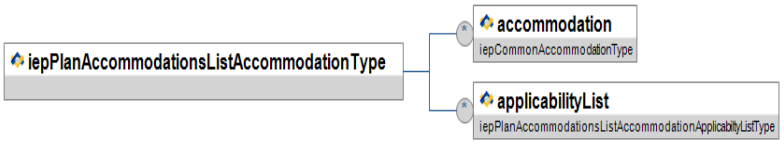

Figure A.330-1: iepPlanAccommodationsListAccommodationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAccommodationsListAccommodationType				
accommodation	OR			iepCommonAccommodationType
applicabilityList	OR			iepPlanAccommodationsListAccommodationApplicabiltyListType

Table A.330-1: iepPlanAccommodationsListAccommodationType

A.331 iepPlanAccommodationsListType

List of accommodations to support effective learning

Figure A.331-1: iepPlanAccommodationsListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAccommodationsListType			List of accommodations to support effective learning	
accommodation	O			iepPlanAccommodationsListAccommodationType

Table A.331-1: iepPlanAccommodationsListType

A.332 iepPlanAmendmentListAmendmentChangeListChangeType

Figure A.332-1: iepPlanAmendmentListAmendmentChangeListChangeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAmendmentListAmendmentChangeListChangeType				
explanation	O	001689 https://ceds.ed.gov/element/001689	Description of the changes made to the individualized program service plan.	xs:normalizedString
reasonForChange	O	001688 https://ceds.ed.gov/element/001688	Description of the reason changes were made to the individualized program service plan.	xs:normalizedString

Table A.332-1: iepPlanAmendmentListAmendmentChangeListChangeType

A.333 iepPlanAmendmentListAmendmentChangeListType

List of changes included in this amendment

Figure A.333-1: iepPlanAmendmentListAmendmentChangeListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAmendmentListAmendmentChangeListType			List of changes included in this amendment	
change	OR			iepPlanAmendmentListAmendmentChangeListChangeType

Table A.333-1: iepPlanAmendmentListAmendmentChangeListType

A.334 iepPlanAmendmentListAmendmentType

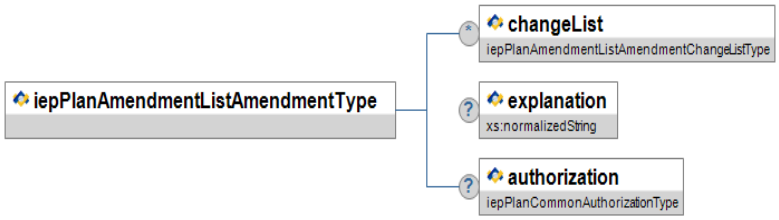

Figure A.334-1: iepPlanAmendmentListAmendmentType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAmendmentListAmendmentType				
changeList	OR			iepPlanAmendmentListAmendmentChangeListType
explanation	O	001688 https://ceds.ed.gov/element/001688	Description of the reason changes were made to the individualized program service plan.	xs:normalizedString
authorization	O		Legal response and authorization to changes to an existing plan	iepPlanCommonAuthorizationType

Table A.334-1: iepPlanAmendmentListAmendmentType

A.335 iepPlanAmendmentListType

History List of Amendments to IEP

Figure A.335-1: iepPlanAmendmentListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAmendmentListType			History List of Amendments to IEP	
amendment	OR			iepPlanAmendmentListAmendmentType

Table A.335-1: iepPlanAmendmentListType

A.336 iepPlanAnnualGoalCoursesListCourseType

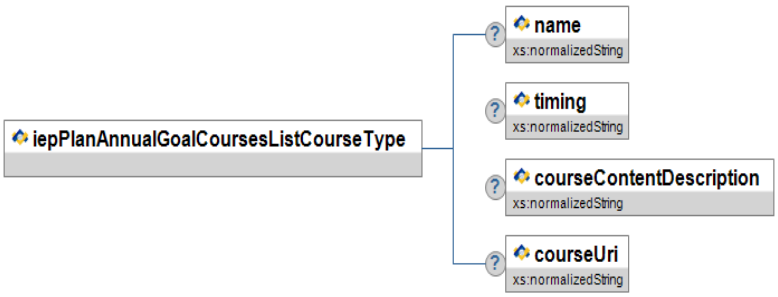

Figure A.336-1: iepPlanAnnualGoalCoursesListCourseType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalCoursesListCourseType				
name	O		Reason that student did not participate in this service.	xs:normalizedString
timing	O		The planned year or other description of the student's taking the course.	xs:normalizedString
courseContentDescription	O		Description of content of the course.	xs:normalizedString
courseUri	O		The Uniform Resource Locator (URL) location of information about course content.	xs:normalizedString

Table A.336-1: iepPlanAnnualGoalCoursesListCourseType

A.337 iepPlanAnnualGoalCoursesListType

List of courses that will be made available to the student to help achieving the goal

Figure A.337-1: iepPlanAnnualGoalCoursesListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalCoursesListType			List of courses that will be made available to the student to help achieving the goal	
course	O			iepPlanAnnualGoalCoursesListCourseType

Table A.337-1: iepPlanAnnualGoalCoursesListType

A.338 iepPlanAnnualGoalGoalStandardsReferenceType

Figure A.338-1: iepPlanAnnualGoalGoalStandardsReferenceType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalGoalStandardsReferenceType				
url	O	000874 https://ceds.ed.gov/element/000874	A network-resolvable Uniform Resource Locator (URL) pointing to the authoritative reference for the competency framework item	xs:anyURI

Element/@Attribute	Char	CEDS Id/URL	Description	Type
identifier	O	000692 https://ceds.ed.gov/element/000692	A human-referenceable code designated by the publisher to identify the item in the hierarchy of competency framework items.	xs:normalizedString

Table A.338-1: iepPlanAnnualGoalGoalStandardsReferenceType

A.339 iepPlanAnnualGoalGoalType

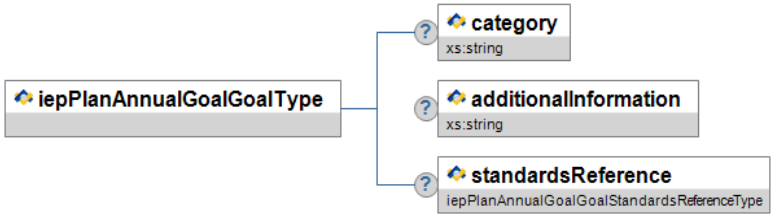

Figure A.339-1: iepPlanAnnualGoalGoalType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalGoalType				
category	O	001698 https://ceds.ed.gov/element/001698	Legal category for an IEP annual goal or short-term objectives.	xs:string
additionalInformation	O		Additional information about goal or why it fits this category.	xs:string
standardsReference	O			iepPlanAnnualGoalGoalStandardsReferenceType

Table A.339-1: iepPlanAnnualGoalGoalType

A.340 iepPlanAnnualGoalIndependentActionsListType

Activities or actions to be accomplished outside of a service context

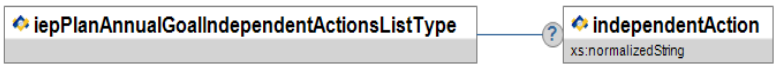

Figure A.340-1: iepPlanAnnualGoalIndependentActionsListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalIndependentActionsListType			Activities or actions to be accomplished outside of a service context	
independentAction	O		Activity or action to be accomplished outside of a service context	xs:normalizedString

Table A.340-1: iepPlanAnnualGoalIndependentActionsListType

A.341 iepPlanAnnualGoalListParentAcceptanceType

Figure A.341-1: iepPlanAnnualGoalListParentAcceptanceType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalListParentAcceptanceType				

Element/@Attribute	Char	CEDS Id/URL	Description	Type
accepted	O	001721 https://ceds.ed.gov/element/001721	Indicates authorizer agreement to a document or plan, such as plan for delivery of student services, program, or improvement plan.	xs:string
explanation	O	001722 https://ceds.ed.gov/element/001722	Authorizer's explanation regarding the authorization decision.	xs:normalizedString

Table A.341-1: iepPlanAnnualGoalListParentAcceptanceType

A.342 iepPlanAnnualGoalListType

List of goals to be sought for a special education student

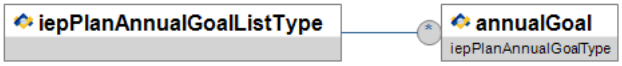

Figure A.342-1: iepPlanAnnualGoalListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalListType			List of goals to be sought for a special education student	
annualGoal	OR			iepPlanAnnualGoalType

Table A.342-1: iepPlanAnnualGoalListType

A.343 iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveFacilitatorListFacilitatorIdentityType

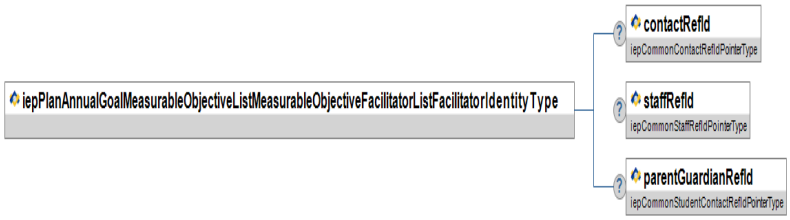

Figure A.343-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveFacilitatorListFacilitatorIdentityType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveFacilitatorListFacilitatorIdentityType				
contactRefId	O		Pointer to xContact object when facilitator is a contact	iepCommonContactRefIdPointerType
staffRefId	O		Pointer to xStaff object when facilitator is a staff member	iepCommonStaffRefIdPointerType
parentGuardianRefId	O		Pointer to studentContacts xContact object when facilitator is a studentContact	iepCommonStudentContactRefIdPointerType

Table A.343-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveFacilitatorListFacilitatorIdentityType

A.344 iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveFacilitatorListFacilitatorType

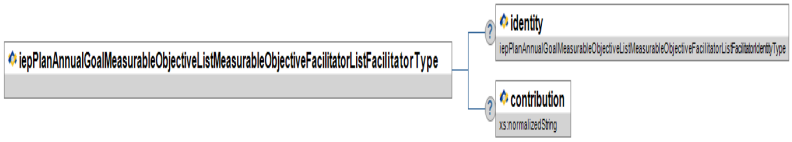

Figure A.344-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveFacilitatorListFacilitatorType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveFacilitatorListFacilitatorType				
identity	O		Facilitator Identity	iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjective
contribution	O		The help this facilitor is asked to contribut to the achievement of this objective	xs:normalizedString

Table A.344-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveFacilitatorListFacilitatorType

A.345 iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveFacilitatorListType

List of people who will help the student achieve this goal

Figure A.345-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveFacilitatorListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveFacilitatorListType			List of people who will help the student achieve this goal	
facilitator	O			iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveFacilitatorL

Table A.345-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveFacilitatorListType

A.346 iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementCriterionMetricType

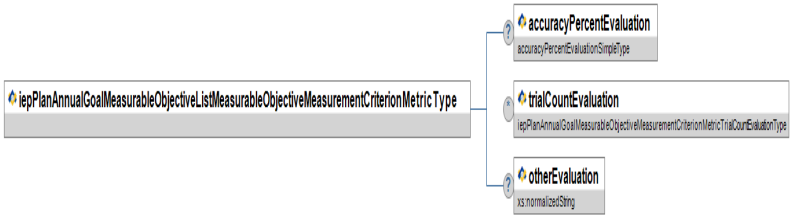

Figure A.346-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementCriterionMetricType

Element/@Attribute	Char	CEDS Id/URL	Description	
iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementCriterionMetricType				

Element/@Attribute	Char	CEDS Id/URL	Description	
accuracyPercentEvaluation	O	001691 https://ceds.ed.gov/element/001691	The percent of correct results that will be considered to represent successful achievement of a goal.	accuracyPercentEva
trialCountEvaluation	OR			iepPlanAnnualGoalM
otherEvaluation	O		Description of other specific success measurement method	xs:normalizedStrin

Table A.346-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementCriterionMetricType

A.347 iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementCriterionType

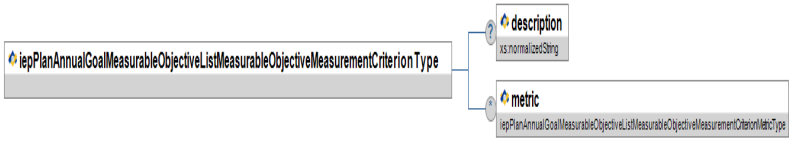

Figure A.347-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementCriterionType

Element/@Attribute	Char	CEDS Id/URL	Description	
iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementCriterionType				
description	O	001695 https://ceds.ed.gov/element/001695	The procedures and/or instruments that will be used to measure achievement of a goal or short-term objective.	xs:normalizedString
metric	OR			iepPlanAnnualGoalMeasurabl

Table A.347-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementCriterionType

A.348 iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementType

Definition of the way we will know the student has achieved the goal

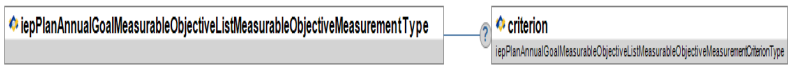

Figure A.348-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementType			Definition of the way we will know the student has achieved the goal	
criterion	O			iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurement

Table A.348-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveMeasurementType

A.349 iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveType

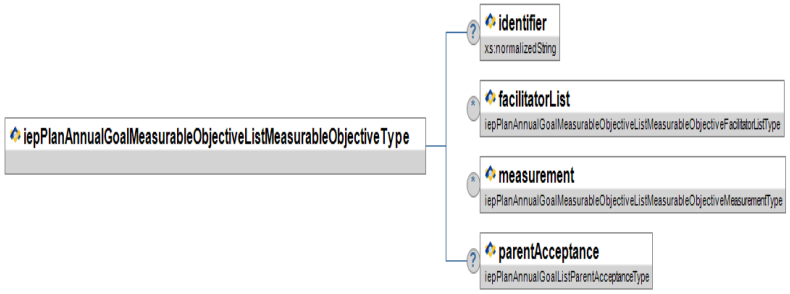

Figure A.349-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveType				
identifier	O	000692 https://ceds.ed.gov/element/000692	A human-referenceable code designated by the publisher to identify the item in the hierarchy of competency framework items.	xs:normalizedString
facilitatorList	OR			iepPlanAnnualGoalMeasurableObjectiveListMeasurab
measurement	OR			iepPlanAnnualGoalMeasurableObjectiveListMeasurab
parentAcceptance	O		Parental agreement (or disagreement) with judging objective based on specified criterion	iepPlanAnnualGoalListParentAcceptanceType

Table A.349-1: iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveType

A.350 iepPlanAnnualGoalMeasurableObjectiveListType

Objectives that will be achieved in the pursuit of this goal

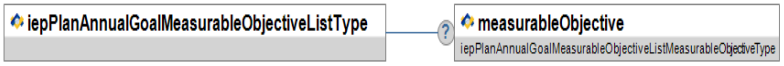

Figure A.350-1: iepPlanAnnualGoalMeasurableObjectiveListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalMeasurableObjectiveListType			Objectives that will be achieved in the pursuit of this goal	
measurableObjective	O			iepPlanAnnualGoalMeasurableObjectiveListMeasurableObjectiveType

Table A.350-1: iepPlanAnnualGoalMeasurableObjectiveListType

A.351 iepPlanAnnualGoalMeasurableObjectiveMeasurementCriterionMetricTrialCountEvaluationType

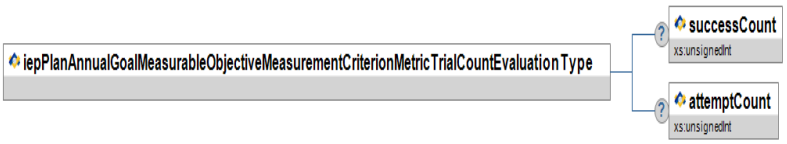

Figure A.351-1: iepPlanAnnualGoalMeasurableObjectiveMeasurementCriterionMetricTrialCountEvaluationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalMeasurableObjectiveMeasurementCriterionMetricTrialCountEvaluationType				
successCount	O	001694 https://ceds.ed.gov/element/001694	The number of correct results that will be considered to represent successful achievement of a goal.	xs:unsignedInt
attemptCount	O	001692 https://ceds.ed.gov/element/001692	The number of attempts representing a completed trial for assessing achievement of a goal.	xs:unsignedInt

Table A.351-1: iepPlanAnnualGoalMeasurableObjectiveMeasurementCriterionMetricTrialCountEvaluationType

A.352 iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataNamesType

Figure A.352-1: iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataNamesType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataNamesType				
categoryName	O		Label that assigns meaning to the categories that were measured (eg, x-axis label)	xs:normalizedString
valueName	O		Label that assigns meaning to a chart display of a measured value (eg, y-axis label)	xs:normalizedString

Table A.352-1: iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataNamesType

A.353 iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataValuesListDataValueType

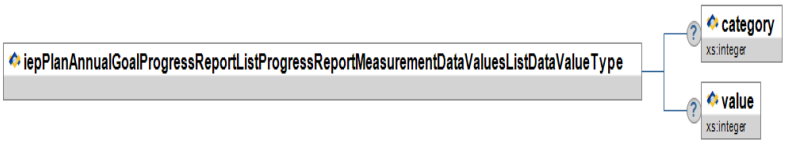

Figure A.353-1: iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataValuesListDataValueType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataValuesListDataValueType				
category	O		Thing being measured	xs:integer
value	O		Measurement	xs:integer

Table A.353-1: iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataValuesListDataValueType

A.354 iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataValuesListType

Data pairs representing measurements of student performance relative to progress on this goal

Figure A.354-1: iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataValuesListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataValuesListType			Data pairs representing measurements of student performance relative to progress on this goal	
dataValue	O			iepPlanAnnualGoalProgressReportListProgressReportMeasurementDat

Table A.354-1: iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataValuesListType

A.355 iepPlanAnnualGoalProgressReportListProgressReportMeasurementType

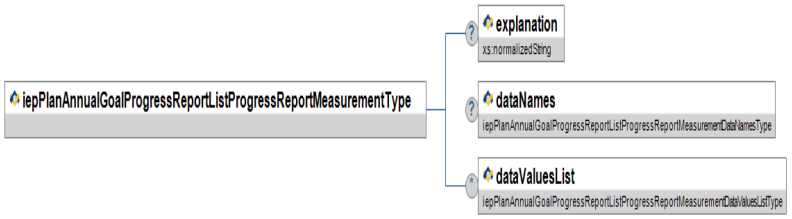

Figure A.355-1: iepPlanAnnualGoalProgressReportListProgressReportMeasurementType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalProgressReportListProgressReportMeasurementType				

Element/@Attribute	Char	CEDS Id/URL	Description	Type
explanation	O		Explanation of measurement process and importance of data that was measured.	xs:normalizedString
dataNames	O			iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataNamesType
dataValuesList	OR			iepPlanAnnualGoalProgressReportListProgressReportMeasurementDataValuesListType

Table A.355-1: iepPlanAnnualGoalProgressReportListProgressReportMeasurementType

A.356 iepPlanAnnualGoalProgressReportListProgressReportType

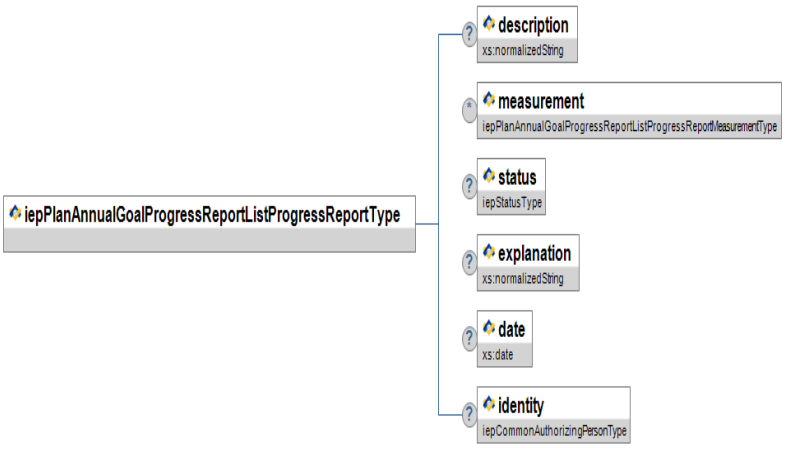

Figure A.356-1: iepPlanAnnualGoalProgressReportListProgressReportType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalProgressReportListProgressReportType				
description	O	001700 https://ceds.ed.gov/element/001700	A description of the progress made toward achievement of the student's progress on annual goals and if the progress is sufficient to achieve the goals by the end of the individualized program service plan.	xs:normalizedString
measurement	OR			iepPlanAnnualGoalProgressReportListProgressReportMeasuremen
status	O	001702 https://ceds.ed.gov/element/001702	Status toward achievement of the annual goal or short-term objectives.	iepStatusType values: SatisfactoryProgress UnsatisfactoryProgress Completed Other

Element/@Attribute	Char	CEDS Id/URL	Description	Type
explanation	O		Explanation for choice of other or information refining status determination.	xs:normalizedString
date	O	001699 https://ceds.ed.gov/element/001699	The date parents are notified of the student's progress on annual goals and if the progress is sufficient to achieve the goals by the end of the individualized program service plan.	xs:date
identity	O		Identity of Person Making the Report	iepCommonAuthorizingPersonType

Table A.356-1: iepPlanAnnualGoalProgressReportListProgressReportType

A.357 iepPlanAnnualGoalProgressReportListType

Overall progress toward achievement of the goal

Figure A.357-1: iepPlanAnnualGoalProgressReportListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalProgressReportListType			Overall progress toward achievement of the goal	
progressReport	O			iepPlanAnnualGoalProgressReportListProgressReportType

Table A.357-1: iepPlanAnnualGoalProgressReportListType

A.358 iepPlanAnnualGoalServicesListServiceFrequencyCycleType

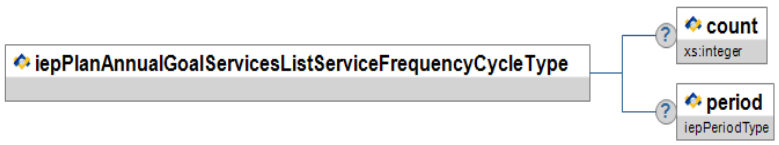

Figure A.358-1: iepPlanAnnualGoalServicesListServiceFrequencyCycleType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalServicesListServiceFrequencyCycleType				
count	O		The number of service events in a service repetition period.	xs:integer

Element/@Attribute	Char	CEDS Id/URL	Description	Type
period	O		The period in which the service events must be repeated.	iepPeriodType values: day week month quarter term year school year

Table A.358-1: iepPlanAnnualGoalServicesListServiceFrequencyCycleType

A.359 iepPlanAnnualGoalServicesListServiceFrequencyDurationType

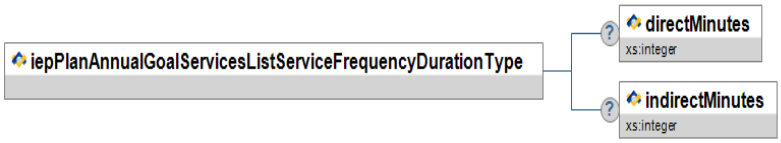

Figure A.359-1: iepPlanAnnualGoalServicesListServiceFrequencyDurationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalServicesListServiceFrequencyDurationType				
directMinutes	O		Time spent directly with the student.	xs:integer
indirectMinutes	O		Service provider time spent on other service activities that are not with the student.	xs:integer

Table A.359-1: iepPlanAnnualGoalServicesListServiceFrequencyDurationType

A.360 iepPlanAnnualGoalServicesListServiceFrequencyType

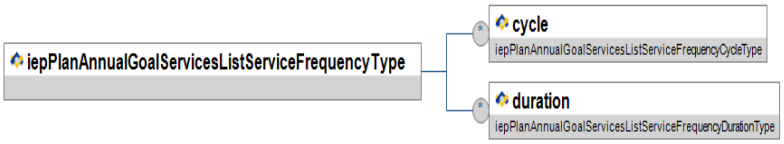

Figure A.360-1: iepPlanAnnualGoalServicesListServiceFrequencyType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalServicesListServiceFrequencyType				
cycle	OR			iepPlanAnnualGoalServicesListServiceFrequencyCycleType
duration	OR			iepPlanAnnualGoalServicesListServiceFrequencyDurationType

Table A.360-1: iepPlanAnnualGoalServicesListServiceFrequencyType

A.361 iepPlanAnnualGoalServicesListServiceType

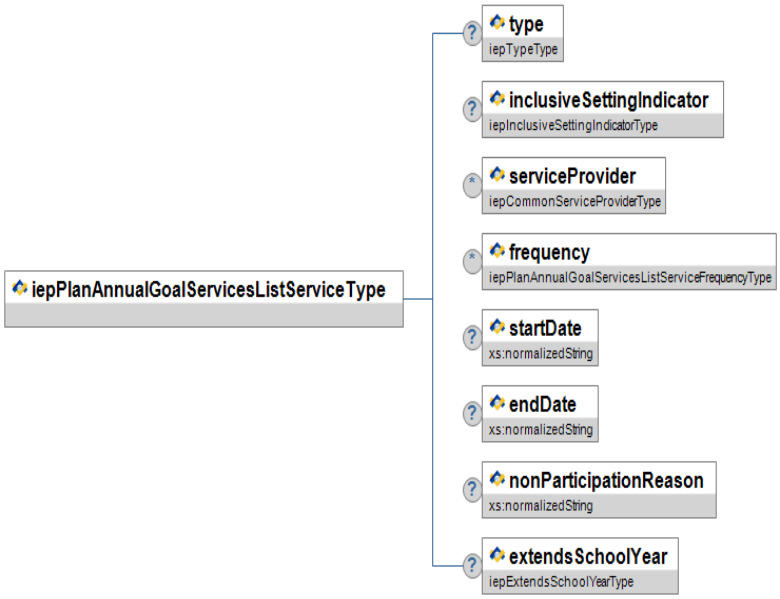

Figure A.361-1: iepPlanAnnualGoalServicesListServiceType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalServicesListServiceType				
type	O	000273 https://ceds.ed.gov/element/000273	Type of related or ancillary services provided to a person or a group of persons within the formal educational system or offered by an outside agency which provides non-instructional services to support the general welfare of students. This includes physical and emotional health, the ability to select an appropriate course of study, admission to appropriate educational programs, and the ability to adjust to and remain in school through the completion of programs. In serving a student with an identified disability, related services include developmental, corrective, or supportive services required to ensure that the person benefits from special education.	iepTypeType values: Academic Achievement Developmental Motor Functional Behavior Adaptive Behavior Transition Vocational Communication Hearing Vision Orientation and Mobility Medical Language Speech Cognitive Social/Emotional Other
inclusiveSettingIndicator	O	001634 https://ceds.ed.gov/element/001634	Indicates that services are provided to the child in a place where children of all abilities learn together.	iepInclusiveSettingIndicatorType values: Yes No
serviceProvider	OR			iepCommonServiceProviderType
frequency	OR			iepPlanAnnualGoalServicesListServiceFrequencyType
startDate	O	001165 https://ceds.ed.gov/element/001165	The date on which the goal becomes active.	xs:normalizedString
endDate	O	001166 https://ceds.ed.gov/element/001166	The date on which the goal expires or has been achieved.	xs:normalizedString
nonParticipationReason	O	001488 https://ceds.ed.gov/element/001488	The reason given for declining the recommended services.	xs:normalizedString

Element/@Attribute	Char	CEDS Id/URL	Description	Type
extendsSchoolYear	O	001717 https://ceds.ed.gov/element/001717	Determination if this service continues outside school year.	iepExtendsSchoolYearType values: Yes No

Table A.361-1: iepPlanAnnualGoalServicesListServiceType

A.362 iepPlanAnnualGoalServicesListType

List of supporting resources required for student to achieve a goal

Figure A.362-1: iepPlanAnnualGoalServicesListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalServicesListType			List of supporting resources required for student to achieve a goal	
service	O			iepPlanAnnualGoalServicesListServiceType

Table A.362-1: iepPlanAnnualGoalServicesListType

A.363 iepPlanAnnualGoalType

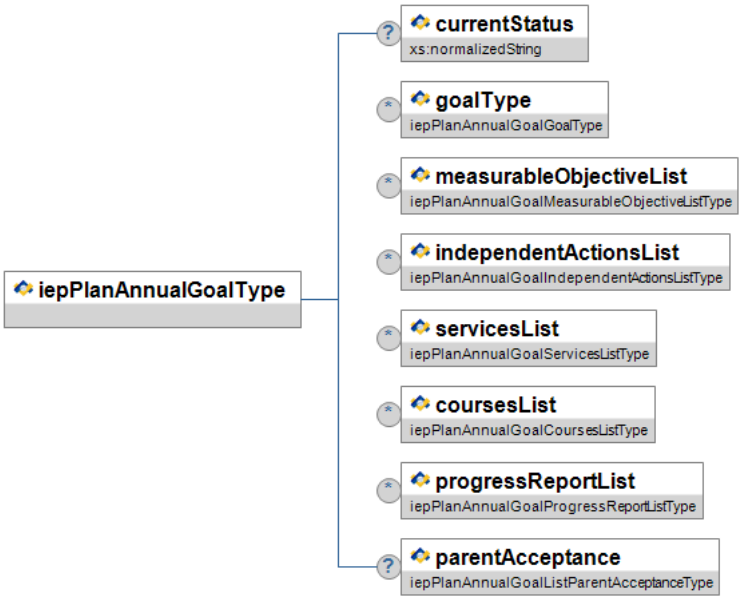

Figure A.363-1: iepPlanAnnualGoalType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanAnnualGoalType				
currentStatus	O	001703 https://ceds.ed.gov/element/001703	Description of status toward achievement of the annual goal or short-term objectives.	xs:normalizedString
goalType	OR			iepPlanAnnualGoalGoalType
measurableObjectiveList	OR			iepPlanAnnualGoalMeasurableObjectiveListType
independentActionsList	OR			iepPlanAnnualGoalIndependentActionsListType
servicesList	OR			iepPlanAnnualGoalServicesListType
coursesList	OR			iepPlanAnnualGoalCoursesListType
progressReportList	OR			iepPlanAnnualGoalProgressReportListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
parentAcceptance	O		Parental agreement (or disagreement) with working toward this goal	iepPlanAnnualGoalListParentAcceptanceType

Table A.363-1: iepPlanAnnualGoalType

A.364 iepPlanCommonAuthorizationParentGuardianAuthorizationRejectedPlanElementsRejectedDetailListType

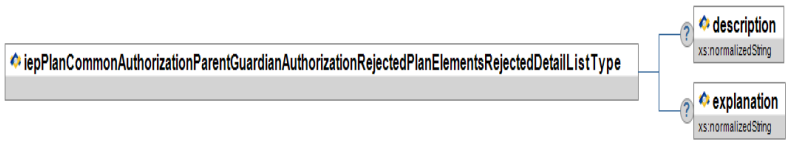

Figure A.364-1: iepPlanCommonAuthorizationParentGuardianAuthorizationRejectedPlanElementsRejectedDetailListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanCommonAuthorizationParentGuardianAuthorizationRejectedPlanElementsRejectedDetailListType				
description	O	001723 https://ceds.ed.gov/element/001723	Portion the authorizer does not want executed.	xs:normalizedS
explanation	O	001724 https://ceds.ed.gov/element/001724	Authorizer's explanation for rejected portions.	xs:normalizedS

Table A.364-1: iepPlanCommonAuthorizationParentGuardianAuthorizationRejectedPlanElementsRejectedDetailListType

A.365 iepPlanCommonAuthorizationParentGuardianAuthorizationRejectedPlanElementsType

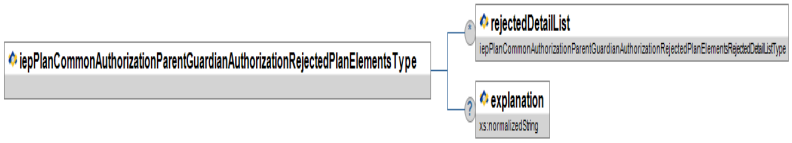

Figure A.365-1: iepPlanCommonAuthorizationParentGuardianAuthorizationRejectedPlanElementsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanCommonAuthorizationParentGuardianAuthorizationRejectedPlanElementsType				
rejectedDetailList	OR			iepPlanCommonAuthorizationParentGuardianAuthorizationRejectedI
explanation	O		Parent/guardian explanation of perspective of rejection not specific to an element	xs:normalizedString

Table A.365-1: iepPlanCommonAuthorizationParentGuardianAuthorizationRejectedPlanElementsType

A.366 iepPlanCommonAuthorizationParentGuardianAuthorizationType

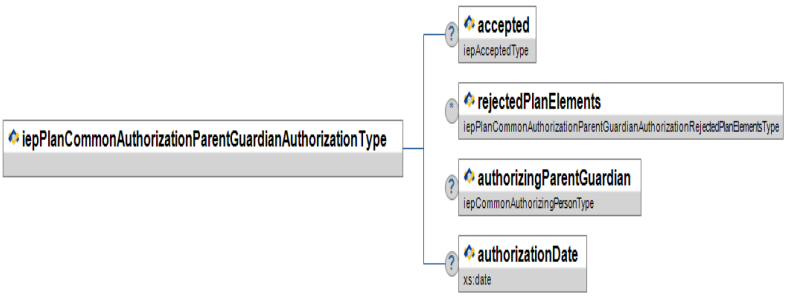

Figure A.366-1: iepPlanCommonAuthorizationParentGuardianAuthorizationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanCommonAuthorizationParentGuardianAuthorizationType				
accepted	O	001721 https://ceds.ed.gov/element/001721	Indicates authorizer agreement to a document or plan, such as plan for delivery of student services, program, or improvement plan.	iepAcceptedType values: Yes No
rejectedPlanElements	OR			iepPlanCommonAuthorizationParentGuardianAuthorizationR
authorizingParentGuardian	O		Proved identity of authorizing parent or guardian	iepCommonAuthorizingPersonType
authorizationDate	O	001725 https://ceds.ed.gov/element/001725	The date the authorization occurred.	xs:date

Table A.366-1: iepPlanCommonAuthorizationParentGuardianAuthorizationType

A.367 iepPlanCommonAuthorizationType

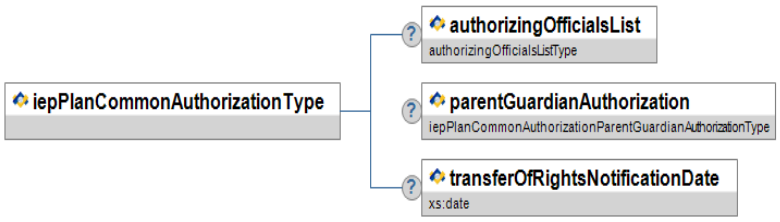

Figure A.367-1: iepPlanCommonAuthorizationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanCommonAuthorizationType				
authorizingOfficialsList	O			authorizingOfficialsListType
parentGuardianAuthorization	O			iepPlanCommonAuthorizationParentGuardianAuthorizationType
transferOfRightsNotificationDate	O		Date that student over seventeen years old was notified of his or her right to sign IEP.	xs:date

Table A.367-1: iepPlanCommonAuthorizationType

A.368 iepPlanEnrollmentGradeLevelType

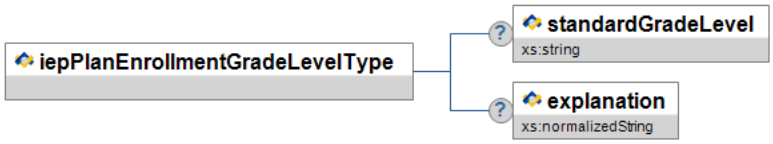

Figure A.368-1: iepPlanEnrollmentGradeLevelType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanEnrollmentGradeLevelType				
standardGradeLevel	O	000100 https://ceds.ed.gov/element/000100	Grade level at beginning of the IEP effective period	xs:string
explanation	O		Explanation for choice of other or information refining grade level selection.	xs:normalizedString

Table A.368-1: iepPlanEnrollmentGradeLevelType

A.369 iepPlanPlacementLeastRestrictiveEnvironmentType

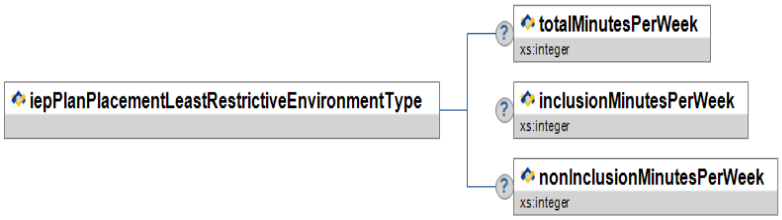

Figure A.369-1: iepPlanPlacementLeastRestrictiveEnvironmentType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPlacementLeastRestrictiveEnvironmentType				
totalMinutesPerWeek	O		Total number of special education minutes per week	xs:integer
inclusionMinutesPerWeek	O	001234 https://ceds.ed.gov/element/001234	The number of minutes per week that a student with disabilities is served in a special education setting separate from his or her non-disabled peers.	xs:integer
nonInclusionMinutesPerWeek	O	001233 https://ceds.ed.gov/element/001233	The number of minutes per week that a student with disabilities is served in a regular classroom with his or her non-disabled peers.	xs:integer

Table A.369-1: iepPlanPlacementLeastRestrictiveEnvironmentType

A.370 iepPlanPlacementScheduleModificationSchoolDayType

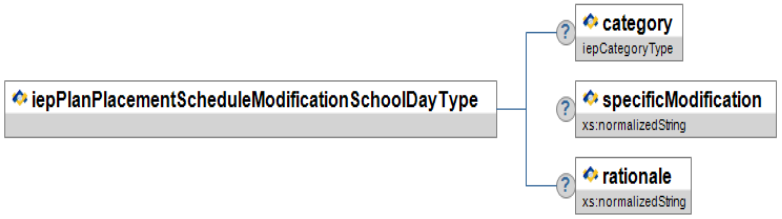

Figure A.370-1: iepPlanPlacementScheduleModificationSchoolDayType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPlacementScheduleModificationSchoolDayType				
category	O		Brief characterization of main change	iepCategoryType values: IndependentLiving Post-secondary WorkingEnvironment
specificModification	O		Explanation of exactly what change is needed	xs:normalizedString
rationale	O		Reason that the changes are needed	xs:normalizedString

Table A.370-1: iepPlanPlacementScheduleModificationSchoolDayType

A.371 iepPlanPlacementScheduleModificationSchoolYearType

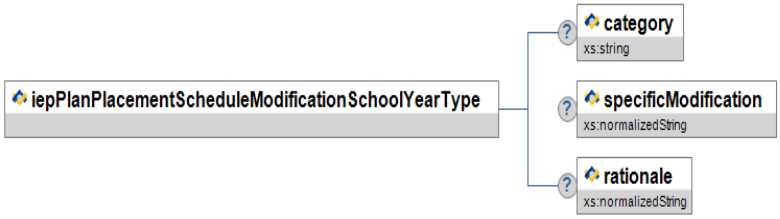

Figure A.371-1: iepPlanPlacementScheduleModificationSchoolYearType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPlacementScheduleModificationSchoolYearType				
category	O		Brief characterization of main change	xs:string
specificModification	O		Explanation of exactly what change is needed	xs:normalizedString
rationale	O		Reason that the changes are needed	xs:normalizedString

Table A.371-1: iepPlanPlacementScheduleModificationSchoolYearType

A.372 iepPlanPlacementScheduleModificationType

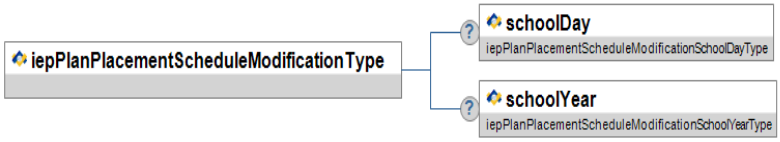

Figure A.372-1: iepPlanPlacementScheduleModificationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPlacementScheduleModificationType				
schoolDay	O			iepPlanPlacementScheduleModificationSchoolDayType
schoolYear	O	000243 https://ceds.ed.gov/element/000243		iepPlanPlacementScheduleModificationSchoolYearType

Table A.372-1: iepPlanPlacementScheduleModificationType

A.373 iepPlanPlacementTransportationInsideSchoolType

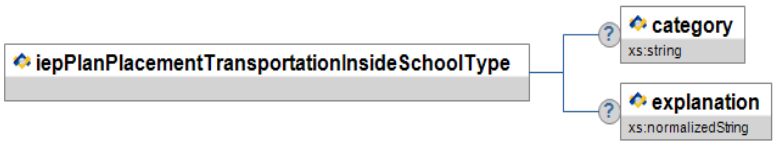

Figure A.373-1: iepPlanPlacementTransportationInsideSchoolType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPlacementTransportationInsideSchoolType				
category	O		Annotation of whether special transportation is needed	xs:string
explanation	O		Explanation of the particular accommodation(s) needed	xs:normalizedString

Table A.373-1: iepPlanPlacementTransportationInsideSchoolType

A.374 iepPlanPlacementTransportationOutsideSchoolType

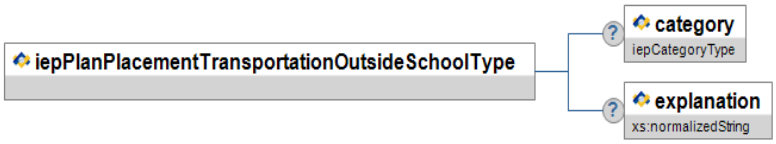

Figure A.374-1: iepPlanPlacementTransportationOutsideSchoolType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPlacementTransportationOutsideSchoolType				
category	O		Annotation of whether special transportation is needed	iepCategoryType values: IndependentLiving Post-secondary WorkingEnvironment
explanation	O		Explanation of the particular accommodation(s) needed	xs:normalizedString

Table A.374-1: iepPlanPlacementTransportationOutsideSchoolType

A.375 iepPlanPlacementTransportationType

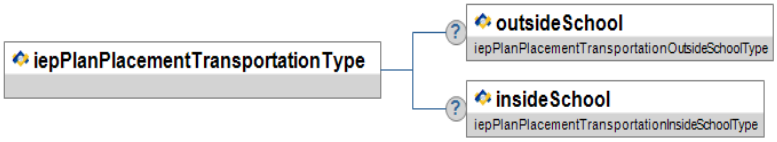

Figure A.375-1: iepPlanPlacementTransportationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPlacementTransportationType				
outsideSchool	O			iepPlanPlacementTransportationOutsideSchoolType
insideSchool	O			iepPlanPlacementTransportationInsideSchoolType

Table A.375-1: iepPlanPlacementTransportationType

A.376 iepPlanPlacementType

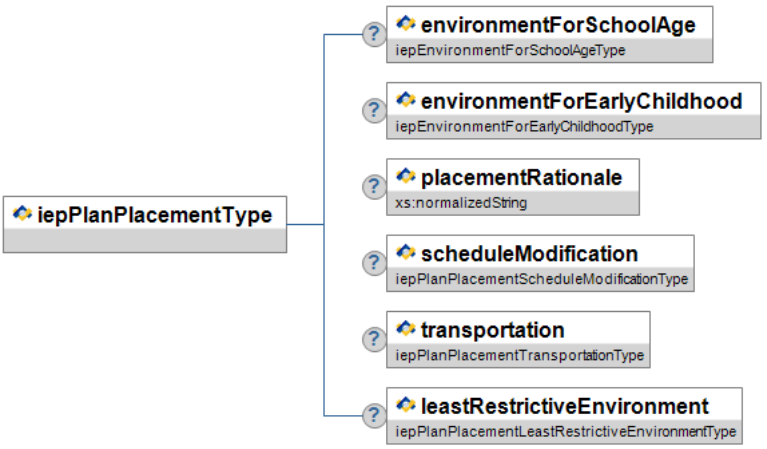

Figure A.376-1: iepPlanPlacementType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPlacementType				
environmentForSchoolAge	O	000535 https://ceds.ed.gov/element/000535	The setting in which children ages 6 through 21, receive special education and related services.	iepEnvironmentForSchoolAgeType values: RC80 RC79TO40 RC39 SS RF HH CF PPPS
environmentForEarlyChildhood	O	000559 https://ceds.ed.gov/element/000559	The program in which children ages 3 through 5 attend and in which these children receive special education and related services.	iepEnvironmentForEarlyChildhoodType values: REC09YOTHLOC REC10YOTHLOC REC09YSVCS REC10YSVCS SC SS RF H SPL
placementRationale	O	001704 https://ceds.ed.gov/element/001704	The rationale for the placement decision and if applicable, an explanation of the extent, if any, to which the child will not participate with nondisabled children in the regular class and in the activities described in paragraph (a)(4) of CFR. §300.320.	xs:normalizedString
scheduleModification	O			iepPlanPlacementScheduleModificationType
transportation	O			iepPlanPlacementTransportationType
leastRestrictiveEnvironment	O			iepPlanPlacementLeastRestrictiveEnvironmentType

Table A.376-1: iepPlanPlacementType

A.377 iepPlanPresentLevelPerformanceAcademicDeficitListDeficitType

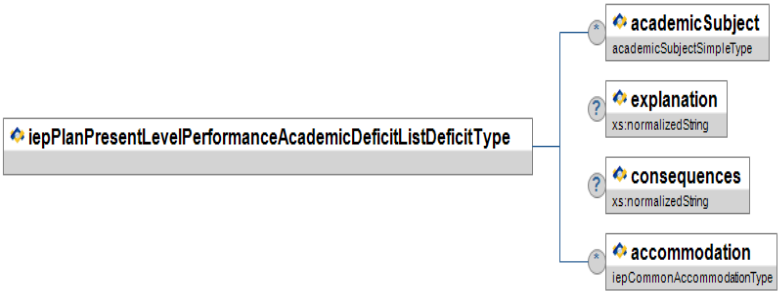

Figure A.377-1: iepPlanPresentLevelPerformanceAcademicDeficitListDeficitType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceAcademicDeficitListDeficitType				

Element/@Attribute	Char	CEDS Id/URL	Description	Type
academicSubject	OR	001518 https://ceds.ed.gov/element/001518	Academic subject affected by this issue	academicSubjectSimpleType values: 01 02 03 04 05 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
explanation	O		The nature of the disability contributing to this deficit relative to standards	xs:normalizedString
consequences	O		The particular ways that the disability interferes with academic attainment	xs:normalizedString
accommodation	OR			iepCommonAccommodationType

Table A.377-1: iepPlanPresentLevelPerformanceAcademicDeficitListDeficitType

A.378 iepPlanPresentLevelPerformanceAcademicDeficitListType

List of issues where student is unable to meet relevant academic standards

Figure A.378-1: iepPlanPresentLevelPerformanceAcademicDeficitListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceAcademicDeficitListType			List of issues where student is unable to meet relevant academic standards	
deficit	O			iepPlanPresentLevelPerformanceAcademicDeficitListDeficitType

Table A.378-1: iepPlanPresentLevelPerformanceAcademicDeficitListType

A.379 iepPlanPresentLevelPerformanceAcademicSummaryAccommodationListAccommodationType

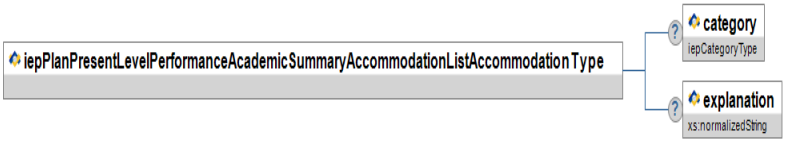

Figure A.379-1: iepPlanPresentLevelPerformanceAcademicSummaryAccommodationListAccommodationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceAcademicSummaryAccommodationListAccommodationType				
category	O		Current accommodation Category	iepCategoryType values: IndependentLiving Post-secondary WorkingEnvironment

Element/@Attribute	Char	CEDS Id/URL	Description	Type
explanation	O		Description of specific accommodation or change made to environment	xs:normalizedString

Table A.379-1: iepPlanPresentLevelPerformanceAcademicSummaryAccommodationListAccommodationType

A.380 iepPlanPresentLevelPerformanceAcademicSummaryAccommodationListType

List of current accommodations

Figure A.380-1: iepPlanPresentLevelPerformanceAcademicSummaryAccommodationListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceAcademicSummaryAccommodationListType			List of current accommodations	
accommodation	OR			iepPlanPresentLevelPerformanceAcademicSummaryAccommodationListAccommoda

Table A.380-1: iepPlanPresentLevelPerformanceAcademicSummaryAccommodationListType

A.381 iepPlanPresentLevelPerformanceAcademicSummaryType

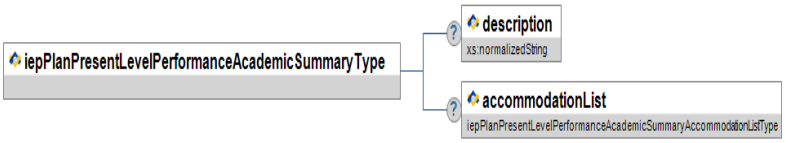

Figure A.381-1: iepPlanPresentLevelPerformanceAcademicSummaryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceAcademicSummaryType				
description	O	001705 https://ceds.ed.gov/element/001705	How the child's disability affects the child's academic achievement.	xs:normalizedString
accommodationList	O			iepPlanPresentLevelPerformanceAcademicSummaryAccommodationList

Table A.381-1: iepPlanPresentLevelPerformanceAcademicSummaryType

A.382 iepPlanPresentLevelPerformanceAcademicType

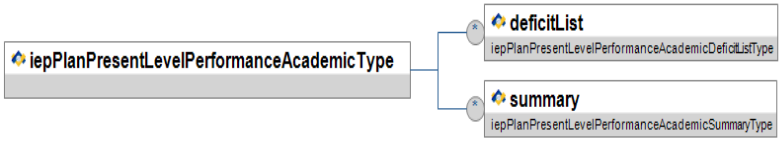

Figure A.382-1: iepPlanPresentLevelPerformanceAcademicType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceAcademicType				

Element/@Attribute	Char	CEDS Id/URL	Description	Type
deficitList	OR			iepPlanPresentLevelPerformanceAcademicDeficitListType
summary	OR			iepPlanPresentLevelPerformanceAcademicSummaryType

Table A.382-1: iepPlanPresentLevelPerformanceAcademicType

A.383 iepPlanPresentLevelPerformanceConsequenceOfDisabilitySpecialCategoryListSpecialCategoryType

Figure A.383-1: iepPlanPresentLevelPerformanceConsequenceOfDisabilitySpecialCategoryListSpecialCategoryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceConsequenceOfDisabilitySpecialCategoryListSpecialCategoryType				
programType	O	000320 https://ceds.ed.gov/element/000320	A designation of the type of program developed for a student.	iepProgramTypeType values: 05978 89600 05980 02196 02198 02197 05982 02349 05981 05979 09999
explanation	O		Reason student is included in this category	xs:normalizedString

Table A.383-1: iepPlanPresentLevelPerformanceConsequenceOfDisabilitySpecialCategoryListSpecialCategoryType

A.384 iepPlanPresentLevelPerformanceConsequenceOfDisabilitySpecialCategoryListType

Special categories applying to this plan

Figure A.384-1: iepPlanPresentLevelPerformanceConsequenceOfDisabilitySpecialCategoryListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceConsequenceOfDisabilitySpecialCategoryListType			Special categories applying to this plan	
specialCategory	O			iepPlanPresentLevelPerformanceConsequenceOfDisabilitySpecialCategoryLis

Table A.384-1: iepPlanPresentLevelPerformanceConsequenceOfDisabilitySpecialCategoryListType

A.385 iepPlanPresentLevelPerformanceConsequenceOfDisabilityType

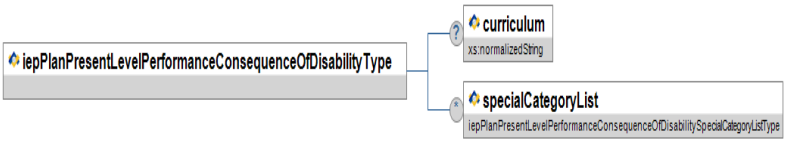

Figure A.385-1: iepPlanPresentLevelPerformanceConsequenceOfDisabilityType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceConsequenceOfDisabilityType				
curriculum	O			xs:normalizedString
specialCategoryList	OR			iepPlanPresentLevelPerformanceConsequenceOfDisabilitySpecialCategoryListType

Table A.385-1: iepPlanPresentLevelPerformanceConsequenceOfDisabilityType

A.386 iepPlanPresentLevelPerformanceFunctionalDisabilityListDisabilityType

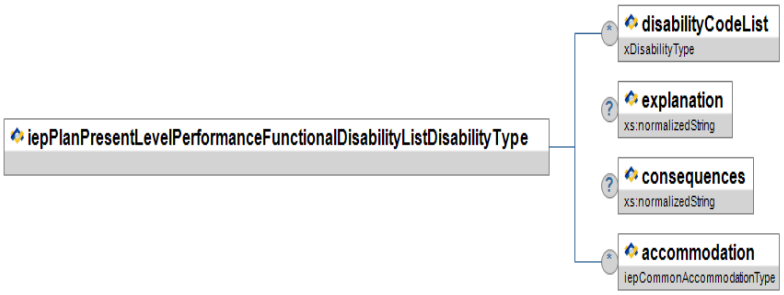

Figure A.386-1: iepPlanPresentLevelPerformanceFunctionalDisabilityListDisabilityType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceFunctionalDisabilityListDisabilityType				
disabilityCodeList	OR		Categories of Disability Under IDEA	xDisabilityType
explanation	O		Explanation or information refining disabilty selection.	xs:normalizedString
consequences	O		Analysis of the particular ways that the disability interferes with educational attainment	xs:normalizedString
accommodation	OR			iepCommonAccommodationType

Table A.386-1: iepPlanPresentLevelPerformanceFunctionalDisabilityListDisabilityType

A.387 iepPlanPresentLevelPerformanceFunctionalDisabilityListType

Information about the child?s ability to operate in a classroom or other learning setting

Figure A.387-1: iepPlanPresentLevelPerformanceFunctionalDisabilityListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceFunctionalDisabilityListType			Information about the child?s ability to operate in a classroom or other learning setting	
disability	O			iepPlanPresentLevelPerformanceFunctionalDisabilityListDisabilityType

Table A.387-1: iepPlanPresentLevelPerformanceFunctionalDisabilityListType

A.388 iepPlanPresentLevelPerformanceFunctionalSummaryAccommodationListAccommodationType

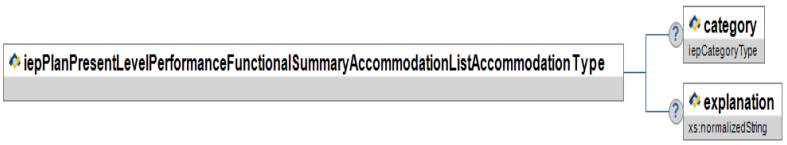

Figure A.388-1: iepPlanPresentLevelPerformanceFunctionalSummaryAccommodationListAccommodationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceFunctionalSummaryAccommodationListAccommodationType				
category	O		Current accommodation Category	iepCategoryType values: IndependentLiving Post-secondary WorkingEnvironment
explanation	O		Description of specific accommodation or change made to environment	xs:normalizedString

Table A.388-1: iepPlanPresentLevelPerformanceFunctionalSummaryAccommodationListAccommodationType

A.389 iepPlanPresentLevelPerformanceFunctionalSummaryAccommodationListType

List of current accommodations

Figure A.389-1: iepPlanPresentLevelPerformanceFunctionalSummaryAccommodationListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceFunctionalSummaryAccommodationListType			List of current accommodations	
accommodation	OR			iepPlanPresentLevelPerformanceFunctionalSummaryAccommodationListAccomm

Table A.389-1: iepPlanPresentLevelPerformanceFunctionalSummaryAccommodationListType

A.390 iepPlanPresentLevelPerformanceFunctionalSummaryType

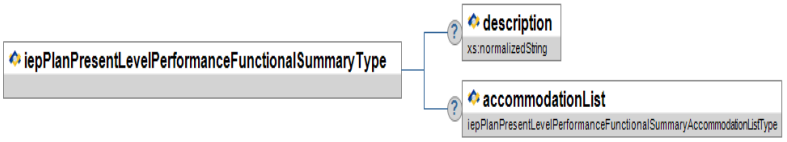

Figure A.390-1: iepPlanPresentLevelPerformanceFunctionalSummaryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceFunctionalSummaryType				
description	O	001706 https://ceds.ed.gov/element/001706	How the child's disability affects the child's functional performance.	xs:normalizedString
accommodationList	O			iepPlanPresentLevelPerformanceFunctionalSummaryAccommodationL

Table A.390-1: iepPlanPresentLevelPerformanceFunctionalSummaryType

A.391 iepPlanPresentLevelPerformanceFunctionalType

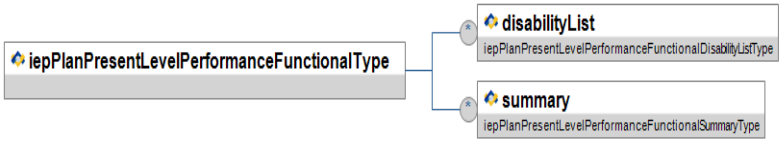

Figure A.391-1: iepPlanPresentLevelPerformanceFunctionalType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceFunctionalType				
disabilityList	OR			iepPlanPresentLevelPerformanceFunctionalDisabilityListType
summary	OR			iepPlanPresentLevelPerformanceFunctionalSummaryType

Table A.391-1: iepPlanPresentLevelPerformanceFunctionalType

A.392 iepPlanPresentLevelPerformancePersonalConcernsType

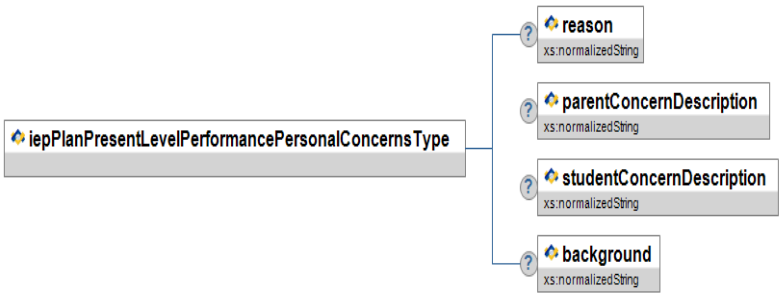

Figure A.392-1: iepPlanPresentLevelPerformancePersonalConcernsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformancePersonalConcernsType				
reason	O		Explanation of the primary reasons that an IEP should be developed	xs:normalizedString
parentConcernDescription	O	001710 https://ceds.ed.gov/element/001710	Parent's explanation of their interest in student's participation in special education	xs:normalizedString
studentConcernDescription	O	001711 https://ceds.ed.gov/element/001711	Student's explanation of his or her interest in participation in special education	xs:normalizedString
background	O		Other useful information	xs:normalizedString

Table A.392-1: iepPlanPresentLevelPerformancePersonalConcernsType

A.393 iepPlanPresentLevelPerformancePersonalEvaluationNeedsListType

Non-technical list of student's perceived educational special needs

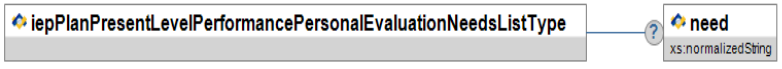

Figure A.393-1: iepPlanPresentLevelPerformancePersonalEvaluationNeedsListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformancePersonalEvaluationNeedsListType			Non-technical list of student's perceived educational special needs	

Element/@Attribute	Char	CEDS Id/URL	Description	Type
need	O		Characterization of a deficit, disability or problem.	xs:normalizedString

Table A.393-1: iepPlanPresentLevelPerformancePersonalEvaluationNeedsListType

A.394 iepPlanPresentLevelPerformancePersonalEvaluationPerformanceTestResultListType

Anecdotal list of previous testing and evaluation of student's performance

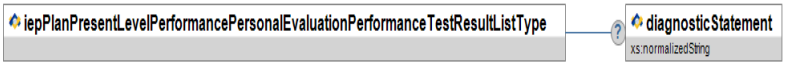

Figure A.394-1: iepPlanPresentLevelPerformancePersonalEvaluationPerformanceTestResultListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformancePersonalEvaluationPerformanceTestResultListType			Anecdotal list of previous testing and evaluation of student's performance	
diagnosticStatement	O	001219 https://ceds.ed.gov/element/001219	A statement intended for use by education professionals, using professional terminology, to interpret learner needs based on the scored/evaluated portion of an assessment. This statement may inform Descriptive Feedback given to the learner.	xs:normalizedString

Table A.394-1: iepPlanPresentLevelPerformancePersonalEvaluationPerformanceTestResultListType

A.395 iepPlanPresentLevelPerformancePersonalEvaluationPerformanceType

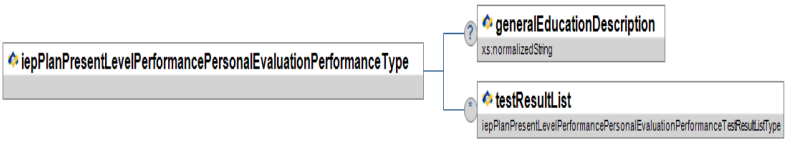

Figure A.395-1: iepPlanPresentLevelPerformancePersonalEvaluationPerformanceType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformancePersonalEvaluationPerformanceType				
generalEducationDescription	O	001707 https://ceds.ed.gov/element/001707	How the child's disability affects the child's involvement and progress in the general education curriculum.	xs:normalizedString
testResultList	OR			iepPlanPresentLevelPerformancePersonalEvaluationPe

Table A.395-1: iepPlanPresentLevelPerformancePersonalEvaluationPerformanceType

A.396 iepPlanPresentLevelPerformancePersonalEvaluationPersonalGoalsListPersonalGoalType

Figure A.396-1: iepPlanPresentLevelPerformancePersonalEvaluationPersonalGoalsListPersonalGoalType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformancePersonalEvaluationPersonalGoalsListPersonalGoalType				
description	O	000903 https://ceds.ed.gov/element/000903	A statement that describes the desired outcomes.	xs:normalizedString
successCriteria	O	000902 https://ceds.ed.gov/element/000902	One or more statements that describes the criteria used by teachers and students to check for attainment of a goal.	xs:normalizedString

Table A.396-1: iepPlanPresentLevelPerformancePersonalEvaluationPersonalGoalsListPersonalGoalType

A.397 iepPlanPresentLevelPerformancePersonalEvaluationPersonalGoalsListType

List of goals that student wants to achieve

Figure A.397-1: iepPlanPresentLevelPerformancePersonalEvaluationPersonalGoalsListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformancePersonalEvaluationPersonalGoalsListType			List of goals that student wants to achieve	
personalGoal	O			iepPlanPresentLevelPerformancePersonalEvaluationPersonalGoalsListPersonalGoalTy

Table A.397-1: iepPlanPresentLevelPerformancePersonalEvaluationPersonalGoalsListType

A.398 iepPlanPresentLevelPerformancePersonalEvaluationType

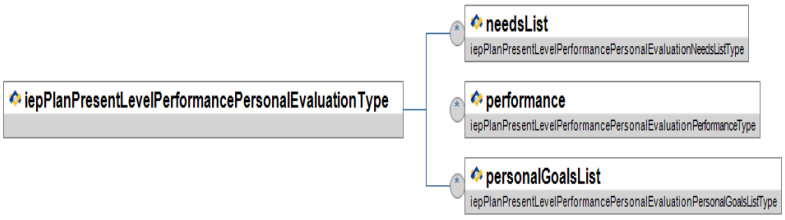

Figure A.398-1: iepPlanPresentLevelPerformancePersonalEvaluationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformancePersonalEvaluationType				
needsList	OR			iepPlanPresentLevelPerformancePersonalEvaluationNeedsListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
performance	OR			iepPlanPresentLevelPerformancePersonalEvaluationPerformanceType
personalGoalsList	OR			iepPlanPresentLevelPerformancePersonalEvaluationPersonalGoalsListType

Table A.398-1: iepPlanPresentLevelPerformancePersonalEvaluationType

A.399 iepPlanPresentLevelPerformancePersonalIntentionDesiredOutcomeListDesiredOutcomeType

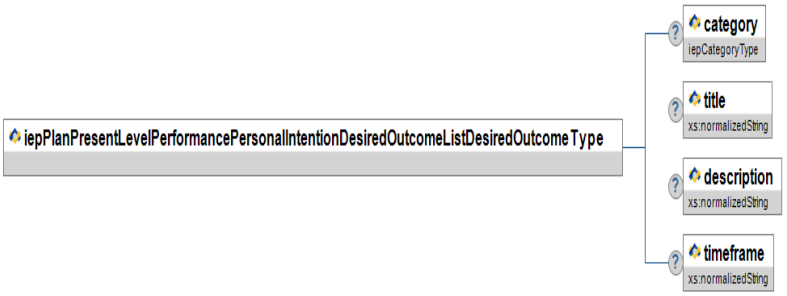

Figure A.399-1: iepPlanPresentLevelPerformancePersonalIntentionDesiredOutcomeListDesiredOutcomeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformancePersonalIntentionDesiredOutcomeListDesiredOutcomeType				
category	O		Category of achievement	iepCategoryType values: IndependentLiving Post-secondary WorkingEnvironment
title	O		Brief characterization of achievement	xs:normalizedString
description	O		Specific details that would be recognized as successful achievement for this intention	xs:normalizedString
timeframe	O		Explanation of when this achievement should take place	xs:normalizedString

Table A.399-1: iepPlanPresentLevelPerformancePersonalIntentionDesiredOutcomeListDesiredOutcomeType

A.400 iepPlanPresentLevelPerformancePersonalIntentionDesiredOutcomeListType

List of specific life achievements desired by student

Figure A.400-1: iepPlanPresentLevelPerformancePersonalIntentionDesiredOutcomeListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformancePersonalIntentionDesiredOutcomeListType			List of specific life achievements desired by student	
desiredOutcome	O			iepPlanPresentLevelPerformancePersonalIntentionDesiredOutcomeListDesiredOut

Table A.400-1: iepPlanPresentLevelPerformancePersonalIntentionDesiredOutcomeListType

A.401 iepPlanPresentLevelPerformancePersonalIntentionType

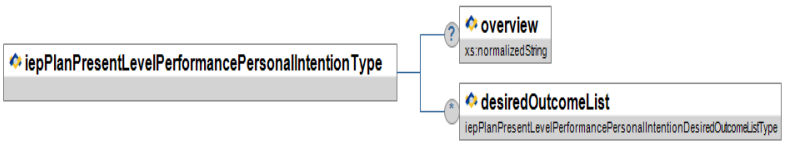

Figure A.401-1: iepPlanPresentLevelPerformancePersonalIntentionType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformancePersonalIntentionType				
overview	O		Explanation of what the student wants to accomplish in life	xs:normalizedString
desiredOutcomeList	OR			iepPlanPresentLevelPerformancePersonalIntentionDesiredOutcomeListType

Table A.401-1: iepPlanPresentLevelPerformancePersonalIntentionType

A.402 iepPlanPresentLevelPerformancePersonalType

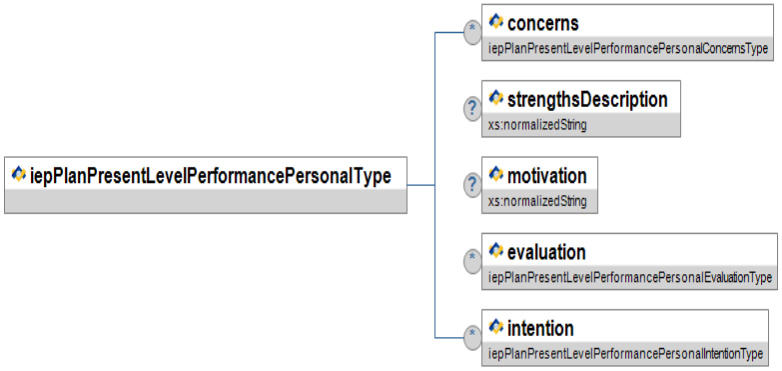

Figure A.402-1: iepPlanPresentLevelPerformancePersonalType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformancePersonalType				
concerns	OR			iepPlanPresentLevelPerformancePersonalConcernsType
strengthsDescription	O	001709 https://ceds.ed.gov/element/001709	Explanation of perceived strengths and abilities of the student	xs:normalizedString
motivation	O		Explanation of the goals and interests of the student	xs:normalizedString
evaluation	OR			iepPlanPresentLevelPerformancePersonalEvaluationType
intention	OR			iepPlanPresentLevelPerformancePersonalIntentionType

Table A.402-1: iepPlanPresentLevelPerformancePersonalType

A.403 iepPlanPresentLevelPerformanceType

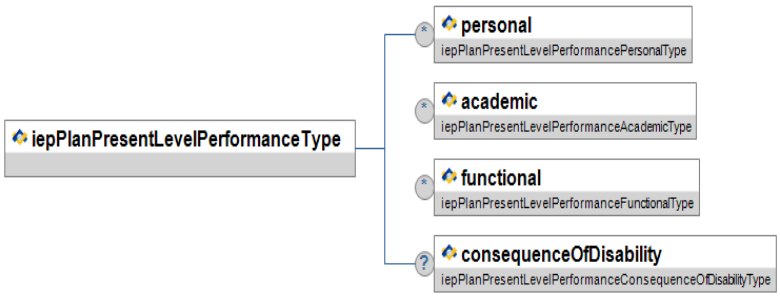

Figure A.403-1: iepPlanPresentLevelPerformanceType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanPresentLevelPerformanceType				
personal	OR			iepPlanPresentLevelPerformancePersonalType
academic	OR			iepPlanPresentLevelPerformanceAcademicType
functional	OR			iepPlanPresentLevelPerformanceFunctionalType
consequenceOfDisability	O			iepPlanPresentLevelPerformanceConsequenceOfDisabilityType

Table A.403-1: iepPlanPresentLevelPerformanceType

A.404 iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListAccommodationAchievementStan

Figure A.404-1: iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListAccommodationAchievementStandardType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListAccommodationAchievementStandardType				
type	O		Indicator if special standard is required	iepTypeType values: Academic Achievement Developmental Motor Functional Beha Adaptive Behavi Transition Vocational Communication Hearing Vision Orientation and Mobility Medical Language Speech Cognitive Social/Emotiona Other
name	O		Name of alternative standard	xs:normalizedSt

Table A.404-1: iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListAccommodationAchievementStandardType

A.405 iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListAccommodationType

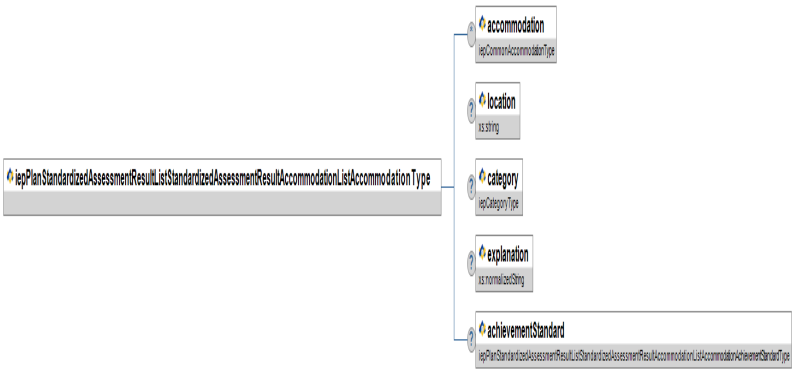

Figure A.405-1: iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListAccommodationType

Element/@Attribute	Char	CEDS Id/URL	Description
iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListAccommodationType			
accommodation	OR		
location	O	000597 https://ceds.ed.gov/element/000597	The description of the place where an assessment is administered.
category	O	000383 https://ceds.ed.gov/element/000383	A category of accommodation needed for a given assessment.
explanation	O		Explanation for choice of other or information refining category selection.
achievementStandard	O		

Table A.405-1: iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListAccommodationType

A.406 iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListType

List of accommodations needed by student to complete assessments

Figure A.406-1: iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListType

Element/@Attribute	Char	CEDS Id/URL	Description	
iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListType			List of accommodations needed by student to complete assessments	
accommodation	OR			iepPlanStandardizedAssessmentResultListStandardi

Table A.406-1: iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommodationListType

A.407 iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultStandardsReferenceType

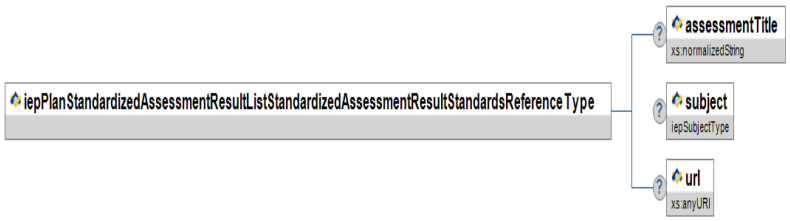

Figure A.407-1: iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultStandardsReferenceType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultStandardsReferenceType				
assessmentTitle	O	000028 https://ceds.ed.gov/element/000028	The title or name of the assessment.	xs:normalizedString
subject	O		The topic category evaluated by this assessment	iepSubjectType values: Reading Math Sciences SocialStudies
url	O	001204 https://ceds.ed.gov/element/001204	The Uniform Resource Locator (URL) location of the external Assessment Asset content.	xs:anyURI

Table A.407-1: iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultStandardsReferenceType

A.408 iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultType

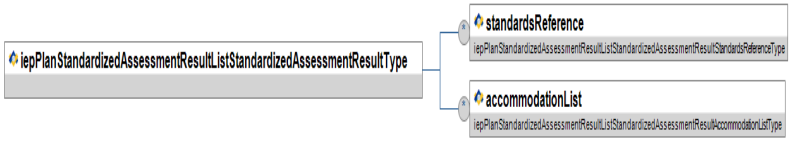

Figure A.408-1: iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultType				
standardsReference	OR			iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultStandards
accommodationList	OR			iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultAccommoda

Table A.408-1: iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultType

A.409 iepPlanStandardizedAssessmentResultListType

Results of standardized assessments used to document current student performance

Figure A.409-1: iepPlanStandardizedAssessmentResultListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanStandardizedAssessmentResultListType			Results of standardized assessments used to document current student performance	
standardizedAssessmentResult	OR			iepPlanStandardizedAssessmentResultListStandardizedAssessmentResultType

Table A.409-1: iepPlanStandardizedAssessmentResultListType

A.410 iepPlanType

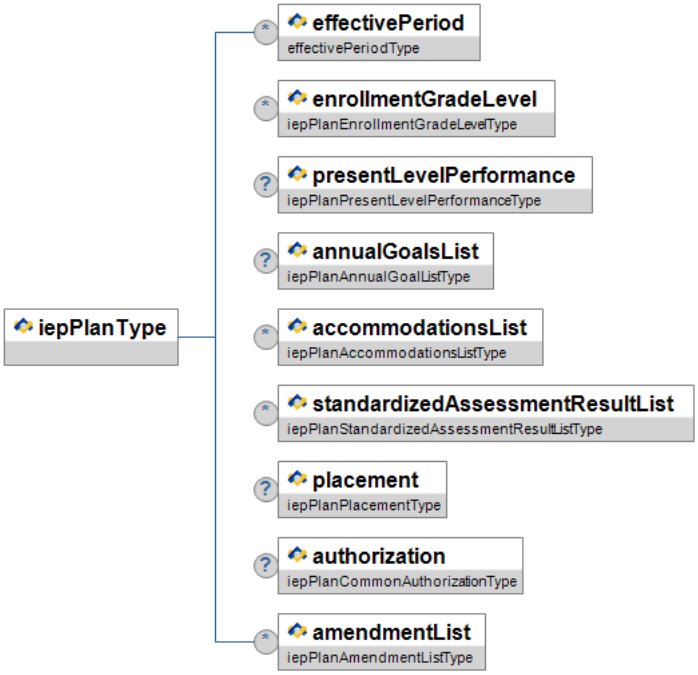

Figure A.410-1: iepPlanType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepPlanType				
effectivePeriod	OR			effectivePeriodType
enrollmentGradeLevel	OR			iepPlanEnrollmentGradeLevelType
presentLevelPerformance	O			iepPlanPresentLevelPerformanceType
annualGoalsList	O			iepPlanAnnualGoalListType
accommodationsList	OR			iepPlanAccommodationsListType
standardizedAssessmentResultList	OR			iepPlanStandardizedAssessmentResultListType
placement	O			iepPlanPlacementType
authorization	O			iepPlanCommonAuthorizationType
amendmentList	OR			iepPlanAmendmentListType

Table A.410-1: iepPlanType

A.411 iepProgramTypeType

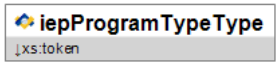

Figure A.411-1: iepProgramTypeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepProgramTypeType	O			values: 05978 89600 05980 02196 02198 02197 05982 02349 05981 05979 09999

Table A.411-1: iepProgramTypeType

A.412 iepRoleType

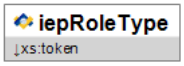

Figure A.412-1: iepRoleType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepRoleType	O			values: PSYCH SOCIALWORK OCCTHERAP AUDIO PEANDREC PHYSTHERAP SPEECHPATH INTERPRET COUNSELOR ORIENTMOBIL MEDNURSE

Table A.412-1: iepRoleType

A.413 iepStandardPurposeType

Figure A.413-1: iepStandardPurposeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepStandardPurposeType	O			values: report service transfer

Table A.413-1: iepStandardPurposeType

A.414 iepStatusType

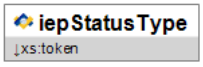

Figure A.414-1: iepStatusType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepStatusType	O			values: SatisfactoryProgress UnsatisfactoryProgress Completed Other

Table A.414-1: iepStatusType

A.415 iepSubjectType

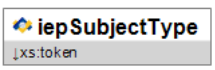

Figure A.415-1: iepSubjectType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepSubjectType	O			values: Reading Math Sciences SocialStudies

Table A.415-1: iepSubjectType

A.416 iepTransmitPermissionDestinationType

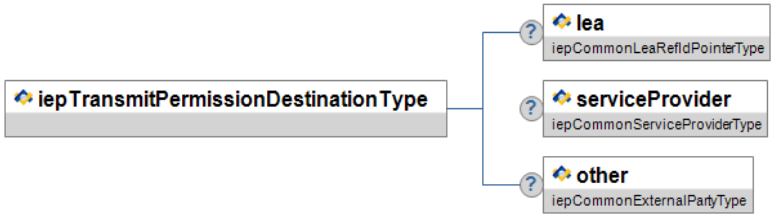

Figure A.416-1: iepTransmitPermissionDestinationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepTransmitPermissionDestinationType				
lea	O		Pointer to school district or other Local Educational Agency that needs access to IEP	iepCommonLeaRefIdPointerType
serviceProvider	O		Service provider that needs access to IEP	iepCommonServiceProviderType
other	O		Other person or organization (eg, court, prison, government) that needs access to IEP	iepCommonExternalPartyType

Table A.416-1: iepTransmitPermissionDestinationType

A.417 iepTransmitPermissionJustificationType

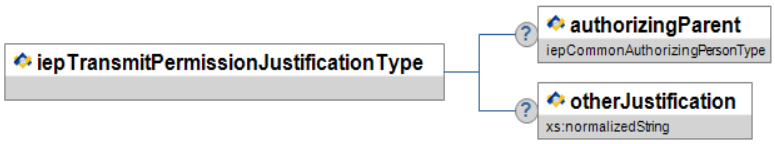

Figure A.417-1: iepTransmitPermissionJustificationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepTransmitPermissionJustificationType				
authorizingParent	O		Proved identity of parent giving transmit permission IEP	iepCommonAuthorizingPersonType
otherJustification	O		Explanation of reason other than parent authorization that permission was given to transmit IEP.	xs:normalizedString

Table A.417-1: iepTransmitPermissionJustificationType

A.418 iepTransmitPermissionListType

History List of Transmit Permissions

Figure A.418-1: iepTransmitPermissionListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepTransmitPermissionListType			History List of Transmit Permissions	
transmitPermission	OR			iepTransmitPermissionType

Table A.418-1: iepTransmitPermissionListType

A.419 iepTransmitPermissionPurposeType

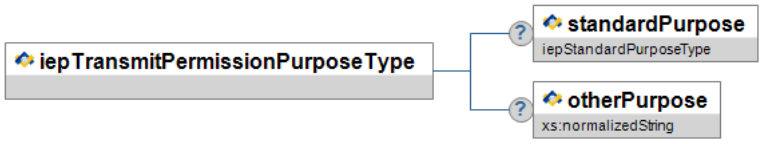

Figure A.419-1: iepTransmitPermissionPurposeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepTransmitPermissionPurposeType				
standardPurpose	O		Intended purpose for sending the IEP	iepStandardPurposeType values: report service transfer
otherPurpose	O		Intended purpose for sending IEP	xs:normalizedString

Table A.419-1: iepTransmitPermissionPurposeType

A.420 iepTransmitPermissionType

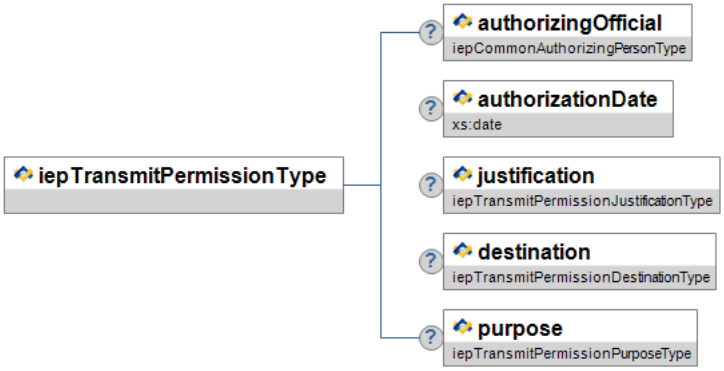

Figure A.420-1: iepTransmitPermissionType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepTransmitPermissionType				
authorizingOfficial	O		Proved identity of official authorizing transmit permission IEP	iepCommonAuthorizingPersonType
authorizationDate	O		Date that transmit permission was given by authority	xs:date
justification	O			iepTransmitPermissionJustificationType
destination	O			iepTransmitPermissionDestinationType
purpose	O			iepTransmitPermissionPurposeType

Table A.420-1: iepTransmitPermissionType

A.421 iepTypeType

Figure A.421-1: iepTypeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepTypeType	O			values: Academic Achievement Developmental Motor Functional Behavior Adaptive Behavior Transition Vocational Communication Hearing Vision Orientation and Mobility Medical Language Speech Cognitive Social/Emotional Other

Table A.421-1: iepTypeType

A.422 ImmigrantType

Does the student meet the State criteria for classification as being an immigrant?

Figure A.422-1: ImmigrantType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ImmigrantType			Does the student meet the State criteria for classification as being an immigrant?	values: Yes No Unknown

Table A.422-1: ImmigrantType

JSON

```
{
  "Immigrant": "No"
}
```

XML

```
<Immigrant>No</Immigrant>
```

Example A.422-1: ImmigrantType

A.423 IncidentActionArrestType

Identifies whether there were any arrests.

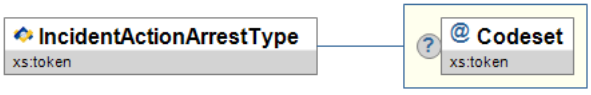

Figure A.423-1: IncidentActionArrestType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
IncidentActionArrestType	M		Identifies whether there were any arrests.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.423-1: IncidentActionArrestType

A.424 IncidentActionListType

List of actions taken on the incident, regardless of actions relating to individual offenders.

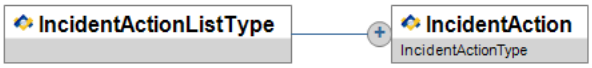

Figure A.424-1: IncidentActionListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	IncidentActionListType	O		List of actions taken on the incident, regardless of actions relating to individual offenders.	List
	IncidentAction	MR	000545 https://ceds.ed.gov/element/000545	Information regarding the action(s) taken in response to the incident.	IncidentActionType

Table A.424-1: IncidentActionListType

A.425 IncidentActionPoliceNotificationType

Identifies whether there was notification of local law enforcement, regardless of whether official action was taken.

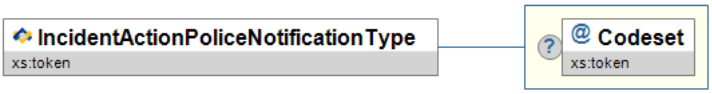

Figure A.425-1: IncidentActionPoliceNotificationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	IncidentActionPoliceNotificationType	M	000512 https://ceds.ed.gov/element/000512	Identifies whether there was notification of local law enforcement, regardless of whether official action was taken.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.425-1: IncidentActionPoliceNotificationType

A.426 IncidentActionType

Information regarding the action(s) taken in response to the incident.

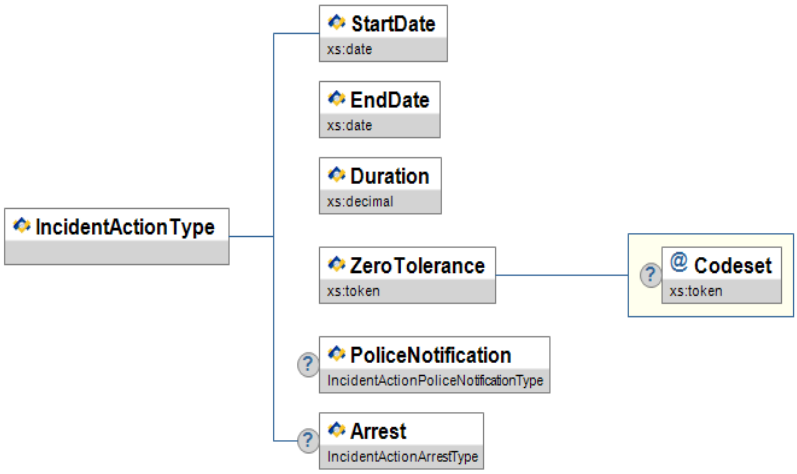

Figure A.426-1: IncidentActionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	IncidentActionType	MR		Information regarding the action(s) taken in response to the incident.	
	StartDate	M	000083 https://ceds.ed.gov/element/000083	The date on which the action begins.	xs:date
	EndDate	M	000082 https://ceds.ed.gov/element/000082	The date through which the action is in effect, inclusive.	xs:date
	Duration	M	000511 https://ceds.ed.gov/element/000511	Identifies the length, in school days, of the action. Note: decimal places may be used for fractions of school days.	xs:decimal
	ZeroTolerance	M	000512 https://ceds.ed.gov/element/000512	Identifies whether or not this action was imposed as a consequence of state or local zero tolerance policies.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	PoliceNotification	O			IncidentActionPoliceNotificationType
	Arrest	O			IncidentActionArrestType

Table A.426-1: IncidentActionType

A.427 IncidentCategoryContainerType

The category or description for this incident.

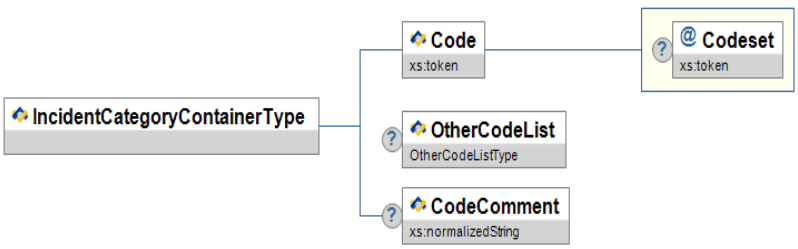

Figure A.427-1: IncidentCategoryContainerType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	IncidentCategoryContainerType	M		The category or description for this incident.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Code	M	000545 https://ceds.ed.gov/element/000545	Identifies the type of incident being reported.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O		List of other codes or strings that crosswalk to or serve as translations of the Code element. If Code changes and OtherCode elements are supported, both Code and all associated OtherCode elements must be present.	OtherCodeListType
	CodeComment	O		A short comment clarifying the discipline code (e.g. for Nonsexual Harassment could detail "Racial comment, pushing, name-calling" or "Cell phone violation. Second offense.")	xs:normalizedString

Table A.427-1: IncidentCategoryContainerType

A.428 IncidentLocationType

The locally-defined identifier or description of the location where the incident occurred.

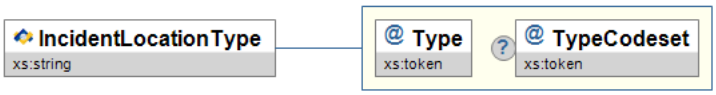

Figure A.428-1: IncidentLocationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	IncidentLocationType	M		The locally-defined identifier or description of the location where the incident occurred.	xs:string
@	Type	M		Identifies where the incident occurred.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.428-1: IncidentLocationType

A.429 IncidentReporterType

Information regarding the individual who reported the incident.

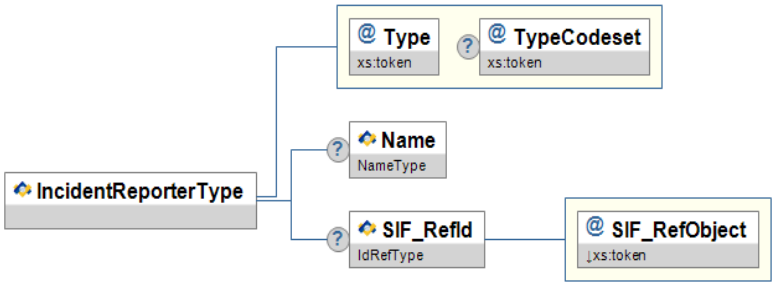

Figure A.429-1: IncidentReporterType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	IncidentReporterType	M		Information regarding the individual who reported the incident.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Type	M	000506 https://ceds.ed.gov/element/000506	Identifies the type of individual who reported the incident.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Name	O		The name of the individual reporting the incident.	NameType
	SIF_RefId	O		GUID of the SIF object that relates to the person who reported the incident, if applicable.	IdRefType
@	SIF_RefObject	M		The name of the SIF object to which the GUID relates.	values: StudentPersonal StaffPersonal EmployeePersonal StudentContact

Table A.429-1: IncidentReporterType

A.430 IncidentTimeType

The time when the incident occurred.

Figure A.430-1: IncidentTimeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	IncidentTimeType	M		The time when the incident occurred.	xs:time
@	Type	M		Identifies whether or not the incident occurred during school hours.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.430-1: IncidentTimeType

A.431 InstructionalDeliveryModeListType

The various instruction delivery modes available, chosen, or employed.

Figure A.431-1: InstructionalDeliveryModeListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	InstructionalDeliveryModeListType			The various instruction delivery modes available, chosen, or employed.	List
	InstructionalDeliveryMode	MR			InstructionalDeliveryModeType

Table A.431-1: InstructionalDeliveryModeListType

A.432 instructionalDeliveryModeType

How instruction is available, chosen, or employed.

Figure A.432-1: instructionalDeliveryModeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	instructionalDeliveryModeType	O	001161 https://ceds.ed.gov/element/001161	How instruction is available, chosen, or employed.	xs:token

Table A.432-1: instructionalDeliveryModeType

A.433 InstructionalDeliveryModeType

Depending on the context, how instruction is available to be, chosen to be, or was delivered.

Figure A.433-1: InstructionalDeliveryModeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	InstructionalDeliveryModeType	O	001161 https://ceds.ed.gov/element/001161	Depending on the context, how instruction is available to be, chosen to be, or was delivered.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.433-1: InstructionalDeliveryModeType

A.434 InstructionalLevelType

An indication of the general nature and difficulty of instruction provided.

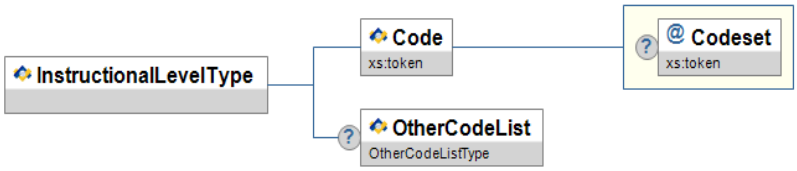

Figure A.434-1: InstructionalLevelType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	InstructionalLevelType			An indication of the general nature and difficulty of instruction provided.	
	Code	M		Code representing the general nature and difficulty of instruction provided.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.434-1: InstructionalLevelType

JSON

```
{
  "InstructionalLevel": {
    "Code": {
      "value": "0571"
    }
  }
}
```

XML

```
<InstructionalLevel>
  <Code>0571</Code>
</InstructionalLevel>
```

Example A.434-1: InstructionalLevelType

A.435 InstructionalStrategiesType

The various ways that instruction is delivered to achieve learning objectives and concepts.

Figure A.435-1: InstructionalStrategiesType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	InstructionalStrategiesType	O		The various ways that instruction is delivered to achieve learning objectives and concepts.	List
	InstructionalStrategy	OR			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.435-1: InstructionalStrategiesType

A.436 InterestLevelsType

`InterestLevels` is designed to represent the grade level for which the content is created. For example a tenth grader is at a third grade level in Algebra. You would want to present the content at a third grade level, but in a tenth grade context or interest level.

Figure A.436-1: InterestLevelsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	InterestLevelsType	O		`InterestLevels` is designed to represent the grade level for which the content is created. For example a tenth grader is at a third grade level in Algebra. You would want to present the content at a third grade level, but in a tenth grade context or interest level.	List
	InterestLevel	MR			GradeLevelType

Table A.436-1: InterestLevelsType

A.437 Intervention2InterventionDeliveryType

How the instruction is delivered.

Figure A.437-1: Intervention2InterventionDeliveryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Intervention2InterventionDeliveryType	O		How the instruction is delivered.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.437-1: Intervention2InterventionDeliveryType

A.438 Intervention2Type

Details of an intervention.

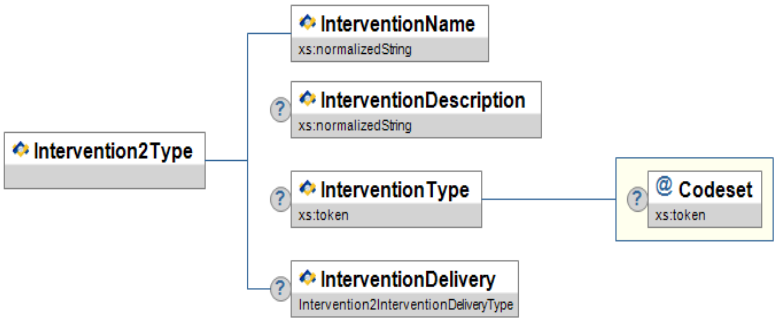

Figure A.438-1: Intervention2Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Intervention2Type			Details of an intervention.	
	InterventionName	M		Naming of the intervention.	xs:normalizedString
	InterventionDescription	O		Description of the intervention.	xs:normalizedString
	InterventionType	O		The description of the type of intervention that is delivered.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	InterventionDelivery	O			Intervention2InterventionDeliveryType

Table A.438-1: Intervention2Type

A.439 InterventionFrequencyTimeType

The frequency of the intervention.

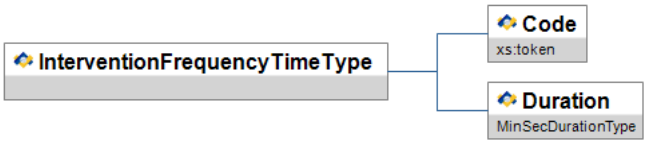

Figure A.439-1: InterventionFrequencyTimeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
InterventionFrequencyTimeType			The frequency of the intervention.	

Element/@Attribute	Char	CEDS Id/URL	Description	Type
Code	M		The frequency in segments of time.	xs:token S001 Weekly S002 Bi-weekly S003 Semi-monthly S004 Monthly S005 Quarterly S006 Semi-annually S007 Annually S008 Daily S999 Other
Duration	M		The actual duration of the frequency of the intervention. For example, if the student is to have the intervention for 40 minutes, then 40 would be entered.	MinSecDurationType

Table A.439-1: InterventionFrequencyTimeType

A.440 InterventionListType

The list of interventions applied.

Figure A.440-1: InterventionListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
InterventionListType			The list of interventions applied.	List
Intervention	MR		Details of an intervention.	Intervention2Type

Table A.440-1: InterventionListType

A.441 InterventionProviderNameListType

A list of persons providing an intervention.

Figure A.441-1: InterventionProviderNameListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
InterventionProviderNameListType			A list of persons providing an intervention.	List
InterventionProviderName	MR		The person providing the intervention.	InterventionProviderNameType

Table A.441-1: InterventionProviderNameListType

A.442 InterventionProviderNameType

The person providing the intervention.

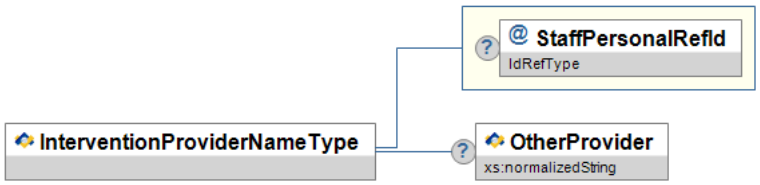

Figure A.442-1: InterventionProviderNameType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	InterventionProviderNameType			The person providing the intervention.	
@	StaffPersonalRefId	O		The StaffPersonalRefId of the staff member. Either the StaffPersonalRefId of the staff member or name must be provided	IdRefType
	OtherProvider	O		The name of the person if not a staff member. Either the StaffPersonalRefId of the staff member or name must be provided.	xs:normalizedString

Table A.442-1: InterventionProviderNameType

A.443 ItemCharacteristicsChoiceListType

The distribution of responses to each choice. This element only applies to multiple choice items.

Figure A.443-1: ItemCharacteristicsChoiceListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ItemCharacteristicsChoiceListType	O		The distribution of responses to each choice. This element only applies to multiple choice items.	List
	Choice	MR			ItemCharacteristicsChoiceType

Table A.443-1: ItemCharacteristicsChoiceListType

A.444 ItemCharacteristicsChoiceType

Identifier for the choice.

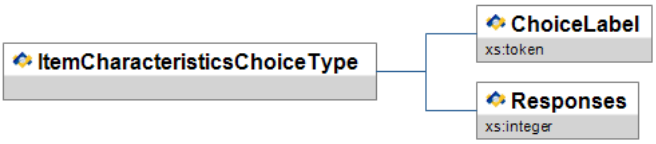

Figure A.444-1: ItemCharacteristicsChoiceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ItemCharacteristicsChoiceType	M		Identifier for the choice.	xs:token
	ChoiceLabel	M		Identifier for the choice.	xs:token
	Responses	M	000393 https://ceds.ed.gov/element/000393	The number of responses.	xs:integer

Table A.444-1: ItemCharacteristicsChoiceType

A.445 ItemCharacteristicsDescriptiveType

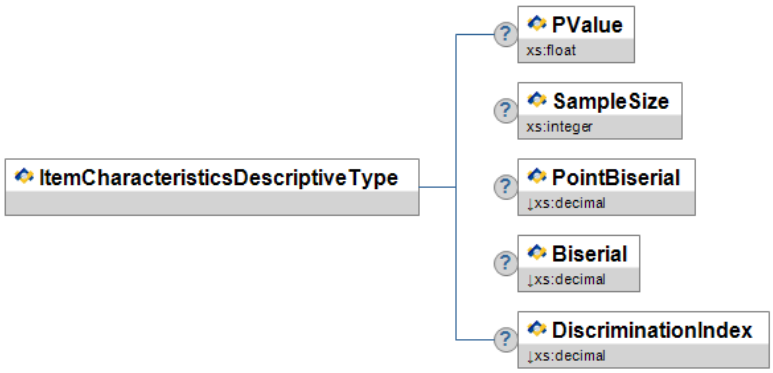

Figure A.445-1: ItemCharacteristicsDescriptiveType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ItemCharacteristicsDescriptiveType	O			
PValue	O		The percent of respondents who answered correctly. This number represents the probability of the correct response to a question.	xs:float
SampleSize	O		The size of the student group that saw the item.	xs:integer
PointBiserial	O		The correlation between correct answers (dichotomous variable) on this item and total correct answers on the test.	xs:decimal xs:minInclusive -1.00 xs:maxInclusive 1.00
Biserial	O		Similar to the Point Biserial Correlation except that answers to the item are assumed to come from an underlying continuous variable.	xs:decimal xs:minInclusive -1.00 xs:maxInclusive 1.00
DiscriminationIndex	O		The Index of Discrimination is the difference between the proportion of an upper group who got an item right and the proportion of a lower group who got the item right.	xs:decimal xs:minInclusive 0 xs:maxInclusive 1.00

Table A.445-1: ItemCharacteristicsDescriptiveType

A.446 ItemCharacteristicsDifferentialItemAnalysisType

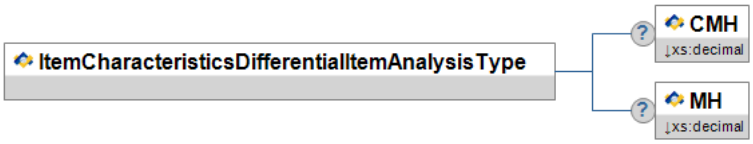

Figure A.446-1: ItemCharacteristicsDifferentialItemAnalysisType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ItemCharacteristicsDifferentialItemAnalysisType	O			
CMH	O		Cochran-Mantel-Haenszel statistic.	xs:decimal xs:minInclusive -1.00 xs:maxInclusive 1.00
MH	O		Mantel-Haenszel statistic.	xs:decimal xs:minInclusive -1.00 xs:maxInclusive 1.00

Table A.446-1: ItemCharacteristicsDifferentialItemAnalysisType

A.447 ItemCharacteristicsMeasurementListType

A repeating group of psychometric measures.

Figure A.447-1: ItemCharacteristicsMeasurementListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ItemCharacteristicsMeasurementListType	O		A repeating group of psychometric measures.	List

Element/@Attribute	Char	CEDS Id/URL	Description	Type
Measurement	MR		Container for series of item statistics.	ItemCharacteristicsMeasurementType

Table A.447-1: ItemCharacteristicsMeasurementListType

A.448 ItemCharacteristicsMeasurementType

Container for series of item statistics.

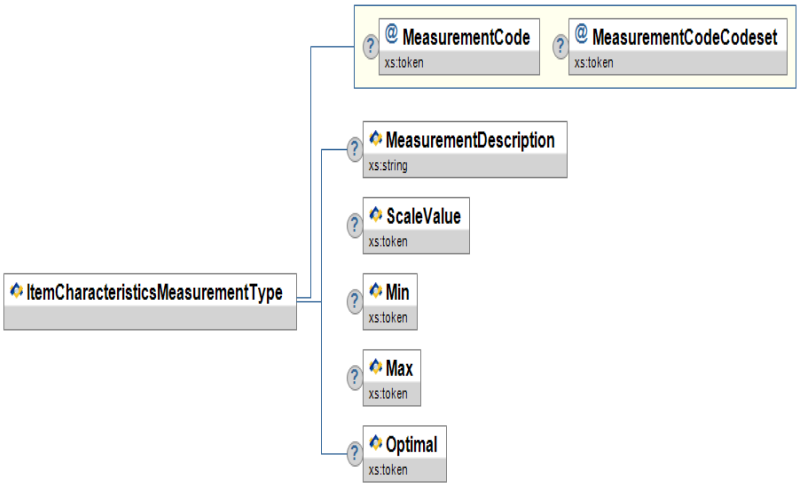

Figure A.448-1: ItemCharacteristicsMeasurementType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ItemCharacteristicsMeasurementType			Container for series of item statistics.	
@	MeasurementCode	O	000709 https://ceds.ed.gov/element/000709	A code representing the type of statistic or analysis.	xs:token
@	MeasurementCodeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	MeasurementDescription	O		An additional description of the statistic or analysis.	xs:string
	ScaleValue	O	000397 https://ceds.ed.gov/element/000397	The value of the Item based on this analysis	xs:token
	Min	O	000708 https://ceds.ed.gov/element/000708	The minimum value possible for the measurement and test design.	xs:token
	Max	O	000707 https://ceds.ed.gov/element/000707	The maximum value possible for the measurement and test design.	xs:token
	Optimal	O		The optimal value for this measurement and test design.	xs:token

Table A.448-1: ItemCharacteristicsMeasurementType

A.449 JobClassificationType

The specific group of duties or responsibilities of position.

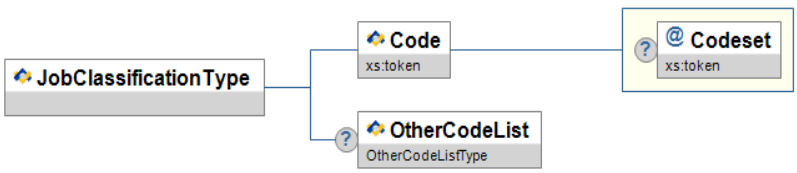

Figure A.449-1: JobClassificationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	JobClassificationType			The specific group of duties or responsibilities of position.	
	Code	M		The specific group of duties or responsibilities of position.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.449-1: JobClassificationType

A.450 JobFunctionType

The purpose of the activities as related to students.

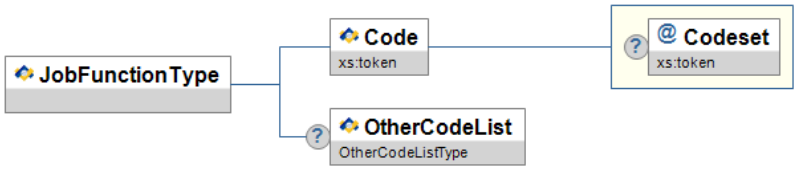

Figure A.450-1: JobFunctionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	JobFunctionType			The purpose of the activities as related to students.	
	Code	M		Code representing the type of job function.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.450-1: JobFunctionType

A.451 JobTitleListType

A list of job titles to the employee holds.

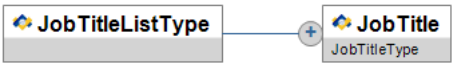

Figure A.451-1: JobTitleListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	JobTitleListType	O		A list of job titles to the employee holds.	List
	JobTitle	MR		A job title the employee holds.	JobTitleType

Table A.451-1: JobTitleListType

A.452 JobTitleType

A job title the employee holds.

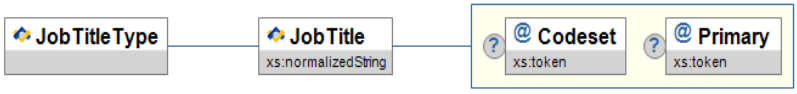

Figure A.452-1: JobTitleType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	JobTitleType	M		A job title the employee holds.	
	JobTitle	M		The text of the job title the employee holds.	xs:normalizedString
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
@	Primary	O		An indicator that this is the primary job title for this employee. This attribute MUST appear for only one item in the list.	xs:token

Table A.452-1: JobTitleType

A.453 LanguageContainerLanguageTypeType

An indication of the function and context in which an individual uses a language to communicate.

Figure A.453-1: LanguageContainerLanguageTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LanguageContainerLanguageTypeType	O	000316 https://ceds.ed.gov/element/000316	An indication of the function and context in which an individual uses a language to communicate.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.453-1: LanguageContainerLanguageTypeType

A.454 LanguageContainerType

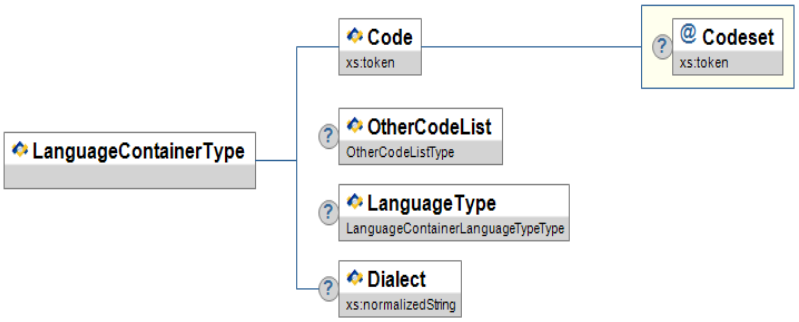

Figure A.454-1: LanguageContainerType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LanguageContainerType	MR			
	Code	M	000317 https://ceds.ed.gov/element/000317	The code representing the specific language that an individual uses to communicate.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LanguageType	O			LanguageContainerLanguageTypeType
	Dialect	O		Specific dialect of a person's language.	xs:normalizedString

Table A.454-1: LanguageContainerType

A.455 LanguageListType

Figure A.455-1: LanguageListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LanguageListType	O			List
	Language	MR			LanguageContainerType

Table A.455-1: LanguageListType

A.456 LanguageOfInstructionType

Language in which the section is taught.

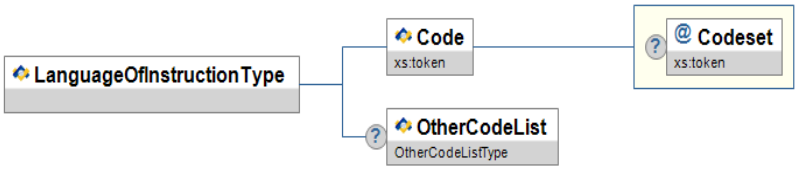

Figure A.456-1: LanguageOfInstructionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LanguageOfInstructionType	O		Language in which the section is taught.	
	Code	M	000448 https://ceds.ed.gov/element/000448	Code representing the language of instruction.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.456-1: LanguageOfInstructionType

A.457 LastNameType

A person's last name.

Figure A.457-1: LastNameType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LastNameType			A person's last name.	xs:normalizedString

Table A.457-1: LastNameType

JSON

```
{
  "LastName": "Wesson"
}
```

XML

```
<LastName>Wesson</LastName>
```

Example A.457-1: LastNameType

A.458 LEAContactListType

Figure A.458-1: LEAContactListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LEAContactListType	O			List
	LEAContact	MR		Information on contact persons for this LEA.	LEAContactType

Table A.458-1: LEAContactListType

A.459 LEAContactType

Information on contact persons for this LEA.

Figure A.459-1: LEAContactType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LEAContactType	MR		Information on contact persons for this LEA.	
	PublishInDirectory	O		Indicates whether or not this LEA contact's information should be published in a directory of LEA information.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ContactInfo	M			ContactInfoType

Table A.459-1: LEAContactType

A.460 LEAInfoSummaryCleanType

Collects elements of interest from LEAInfo.

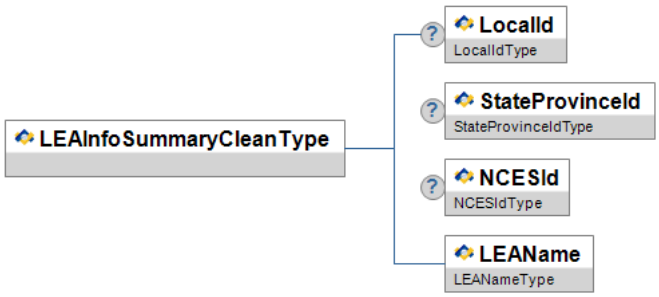

Figure A.460-1: LEAInfoSummaryCleanType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LEAInfoSummaryCleanType			Collects elements of interest from LEAInfo.	
LocalId	O			LocalIdType
StateProvinceId	O			StateProvinceIdType
NCESId	O			NCESIdType
LEAName	M	000204 https://ceds.ed.gov/element/000204		LEANameType

Table A.460-1: LEAInfoSummaryCleanType

A.461 LEAInfoSummaryType

Collects elements of interest from LEAInfo.

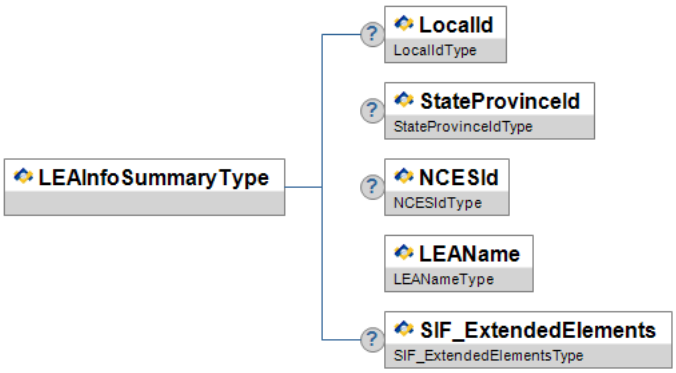

Figure A.461-1: LEAInfoSummaryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LEAInfoSummaryType			Collects elements of interest from LEAInfo.	
LocalId	O			LocalIdType
StateProvinceId	O			StateProvinceIdType
NCESId	O	000436 https://ceds.ed.gov/element/000436		NCESIdType
LEAName	M			LEANameType
SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.461-1: LEAInfoSummaryType

A.462 LEAInfoTitleIIILanguageInstructionProgramTypeType

The type of Title III language instructional programs.

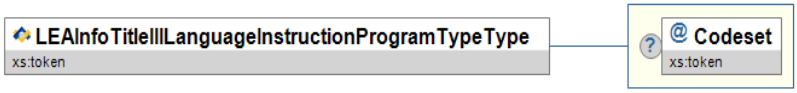

Figure A.462-1: LEAInfoTitleIIILanguageInstructionProgramTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LEAInfoTitleIIILanguageInstructionProgramTypeType	O	000447 https://ceds.ed.gov/element/000447	The type of Title III language instructional programs.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.462-1: LEAInfoTitleIIILanguageInstructionProgramTypeType

A.463 LEAInfoTitleIProgramTypeType

The type of Title I program offered in the school or district.

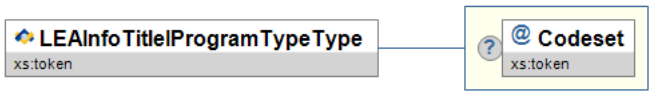

Figure A.463-1: LEAInfoTitleIProgramTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LEAInfoTitleIProgramTypeType	O	000284 https://ceds.ed.gov/element/000284	The type of Title I program offered in the school or district.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.463-1: LEAInfoTitleIProgramTypeType

A.464 LEANameType

Name of Local Education Agency.

Figure A.464-1: LEANameType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LEANameType			Name of Local Education Agency.	xs:normalizedString

Table A.464-1: LEANameType

JSON

```
{
  "LEAName": "Happy Meadow School District"
}
```

XML

```
<LEAName>Happy Meadow School District</LEAName>
```

Example A.464-1: LEANameType

A.465 LearningObjectiveListType

Educational objectives of the activity or assignment.

Figure A.465-1: LearningObjectiveListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LearningObjectiveListType			Educational objectives of the activity or assignment.	List
LearningObjective	OR		Description of an educational objective of the activity or assignment.	xs:string

Table A.465-1: LearningObjectiveListType

A.466 LearningObjectivesType

Description of learning objective(s) for this lesson, i.e., "Student will be able to use Pythagorean Theorem."—equates to 'benchmark' or 'goal' or other terminology

Figure A.466-1: LearningObjectivesType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LearningObjectivesType	O		Description of learning objective(s) for this lesson, i.e., "Student will be able to use Pythagorean Theorem."—equates to 'benchmark' or 'goal' or other terminology	List
LearningObjective	MR			xs:string

Table A.466-1: LearningObjectivesType

A.467 LearningResourceComponentListType

Lesson or activity-sized portions of a resource.

Figure A.467-1: LearningResourceComponentListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LearningResourceComponentListType			Lesson or activity-sized portions of a resource.	List
Component	MR		A lesson or activity-sized portion of a resource.	LearningResourceComponentType

Table A.467-1: LearningResourceComponentListType

A.468 LearningResourceComponentStrategyListType

Teaching/learning strategies used in the learning resource.

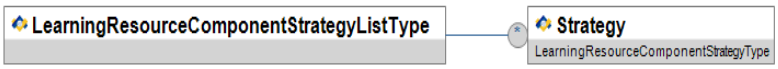

Figure A.468-1: LearningResourceComponentStrategyListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LearningResourceComponentStrategyListType			Teaching/learning strategies used in the learning resource.	List
Strategy	OR		Teaching/learning strategy used in the learning resource. One per element.	LearningResourceComponentStrategyType

Table A.468-1: LearningResourceComponentStrategyListType

A.469 LearningResourceComponentStrategyType

Teaching/learning strategy used in the learning resource. One per element.

Figure A.469-1: LearningResourceComponentStrategyType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LearningResourceComponentStrategyType			Teaching/learning strategy used in the learning resource. One per element.	xs:string

Table A.469-1: LearningResourceComponentStrategyType

A.470 LearningResourceComponentType

A lesson or activity-sized portion of a resource.

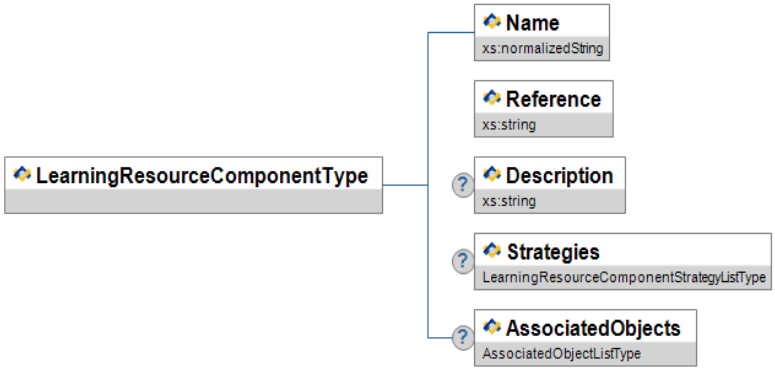

Figure A.470-1: LearningResourceComponentType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LearningResourceComponentType			A lesson or activity-sized portion of a resource.	
Name	M		Name of learning resource component within the resource, i.e. "Chapter 1, Section 4.	xs:normalizedString
Reference	M		Description of where ResourceComponent is located within resource or in general, i.e. "Section 4, pages 32-38," or URL string, or whatever locator is appropriate for media.	xs:string
Description	O		Description of ResourceComponent, i.e. "Discover how changing the scale of a map can either increase or decrease the level of detail you see."	xs:string

Element/@Attribute	Char	CEDS Id/URL	Description	Type
Strategies	O		Teaching/learning strategies used in the learning resource.	LearningResourceComponentStrategyListType
AssociatedObjects	O		References from component to associated elements within another SIF object.	AssociatedObjectListType

Table A.470-1: LearningResourceComponentType

A.471 LearningResourceContactListType

Contains contact information about resource authors.

Figure A.471-1: LearningResourceContactListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LearningResourceContactListType			Contains contact information about resource authors.	List
Contact	OR		Contains contact information about a resource author.	LearningResourceContactType

Table A.471-1: LearningResourceContactListType

A.472 LearningResourceContactType

Contains contact information about a resource author.

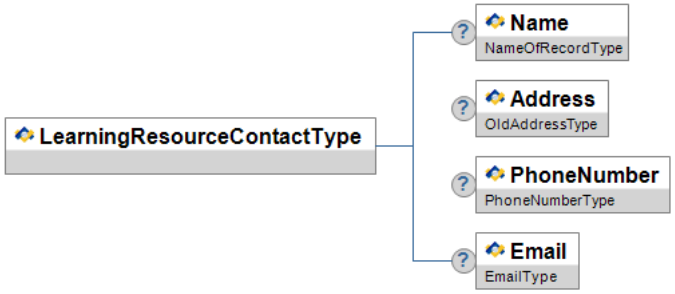

Figure A.472-1: LearningResourceContactType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LearningResourceContactType			Contains contact information about a resource author.	
Name	O		Name of contact person. Use the generic element Name.	NameOfRecordType
Address	O		Address of organization or company.	OldAddressType
PhoneNumber	O		Phone number of organization or company.	PhoneNumberType
Email	O		The email of the organization or company.	EmailType

Table A.472-1: LearningResourceContactType

A.473 LearningResourceEvaluationListType

Evaluations/review of the resource.

Figure A.473-1: LearningResourceEvaluationListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningResourceEvaluationListType			Evaluations/review of the resource.	List
	Evaluation	OR		Evaluation/review of resource.	LearningResourceEvaluationType

Table A.473-1: LearningResourceEvaluationListType

A.474 LearningResourceEvaluationType

Evaluation/review of resource.

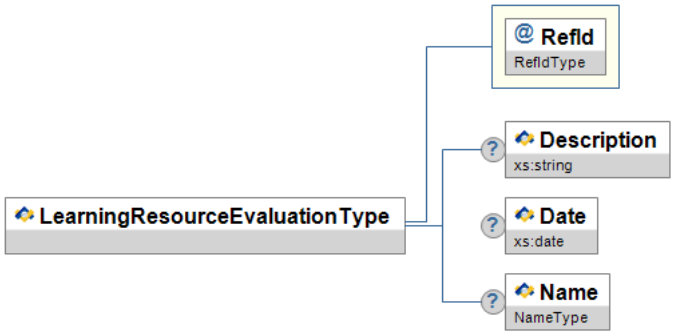

Figure A.474-1: LearningResourceEvaluationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningResourceEvaluationType			Evaluation/review of resource.	
@	RefId	M		GUID assigned to an evaluation.	RefIdType
	Description	O		Description of evaluation of resource.	xs:string
	Date	O		Date evaluation was performed	xs:date
	Name	O		Name of individual who submitted evaluation.	NameType

Table A.474-1: LearningResourceEvaluationType

A.475 LearningResourceLocationType

Description of location of resource, i.e. location in library or URL, community resource, outside resource supplier.

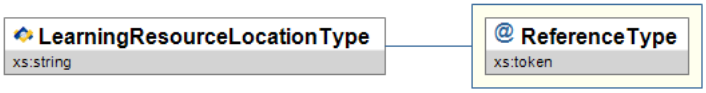

Figure A.475-1: LearningResourceLocationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningResourceLocationType			Description of location of resource, i.e. location in library or URL, community resource, outside resource supplier.	xs:string
@	ReferenceType	M		A qualifying attribute for the Location payload. If ReferenceType is "URI", the payload contains a web address where the resource can be found.	xs:token

Table A.475-1: LearningResourceLocationType

A.476 LearningResourceRefIdListType

Links to aligned LearningResource objects.

Figure A.476-1: LearningResourceRefIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningResourceRefIdListType	O		Links to aligned LearningResource objects.	List
	LearningResourceRefId	OR		Link to an aligned LearningResource object.	IdRefType

Table A.476-1: LearningResourceRefIdListType

A.477 LearningStandardDocumentDocumentStatusType

Figure A.477-1: LearningStandardDocumentDocumentStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningStandardDocumentDocumentStatusType	M			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.477-1: LearningStandardDocumentDocumentStatusType

A.478 LearningStandardDocumentRefIdListType

Links to LearningStandardDocument objects

Figure A.478-1: LearningStandardDocumentRefIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningStandardDocumentRefIdListType	O		Links to LearningStandardDocument objects	List
	LearningStandardDocumentRefId	OR		Link to LearningStandardDocument	IdRefType

Table A.478-1: LearningStandardDocumentRefIdListType

A.479 LearningStandardItemListType

Associated `LearningStandardItem` objects with qualifiers.

Figure A.479-1: LearningStandardItemListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningStandardItemListType			Associated `LearningStandardItem` objects with qualifiers.	`List`
	LearningStandardItem	OR		Link to associated LearningStandardItem object with qualifiers.	`LearningStandardItemRefType`

Table A.479-1: LearningStandardItemListType

A.480 LearningStandardItemRefIdListType

Associated `LearningStandardItem` objects.

Figure A.480-1: LearningStandardItemRefIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningStandardItemRefIdListType			Associated `LearningStandardItem` objects.	`List`
	LearningStandardItemRefId	OR		Link to associated LearningStandardItem object.	`IdRefType`

Table A.480-1: LearningStandardItemRefIdListType

A.481 LearningStandardItemRefType

These fields associates learning standards with particular learning resources.

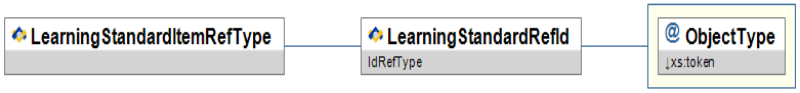

Figure A.481-1: LearningStandardItemRefType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LearningStandardItemRefType			These fields associates learning standards with particular learning resources.	
	LearningStandardRefId	M		A RefId that identifies a Learning Standard.	`IdRefType`

@	ObjectType	M		Declares whether the this RefId references a LearningStandardItem or a LearningStandardDocument	values:
					`LearningStandardItem`
					`LearningStandardDocument`

Table A.481-1: LearningStandardItemRefType

A.482 LearningStandardItemsType

Allows any SIF object to be correlated to learning standards.

Figure A.482-1: LearningStandardItemsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LearningStandardItemsType	O		Allows any SIF object to be correlated to learning standards.	List
LearningStandardItemRefId	MR			IdRefType

Table A.482-1: LearningStandardItemsType

A.483 LearningStandardListType

This element contains information related to curriculum standards statements "standards" or "benchmarks" or the like within the document.

Figure A.483-1: LearningStandardListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LearningStandardListType			This element contains information related to curriculum standards statements "standards" or "benchmarks" or the like within the document.	List
Document	OR	000231 https://ceds.ed.gov/element/000231	A curriculum standards document or the like published by a national, state, district, school site, professional association or other interested party.	LearningStandardType

Table A.483-1: LearningStandardListType

A.484 LearningStandardType

A curriculum standards document or the like published by a national, state, district, school site, professional association or other interested party.

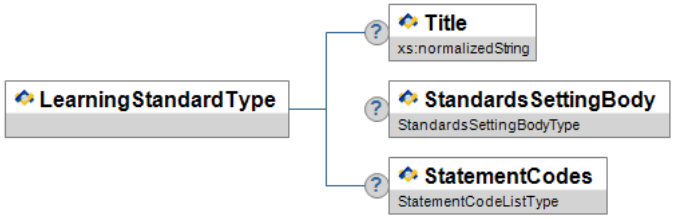

Figure A.484-1: LearningStandardType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LearningStandardType	OR		A curriculum standards document or the like published by a national, state, district, school site, professional association or other interested party.	
Title	O	000712 https://ceds.ed.gov/element/000712	Name of the standard document, e.g., "Washington Essential Academic Learning Requirements."	xs:normalizedString
StandardsSettingBody	O		The name of the state or organization that authored and manages updates to the standards document (e.g., NCTM, Ohio Department of Education).	StandardsSettingBodyType
StatementCodes	O			StatementCodeListType

Table A.484-1: LearningStandardType

A.485 LeastRestrictiveEnvironmentType

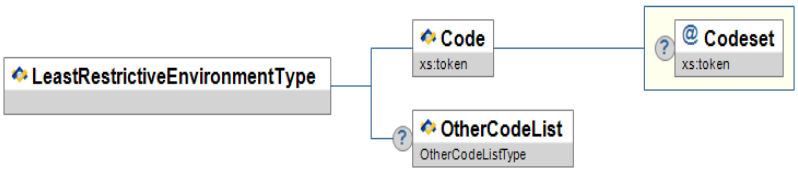

Figure A.485-1: LeastRestrictiveEnvironmentType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LeastRestrictiveEnvironmentType	O			
	Code	M		Category represents the optimal educational setting in which the student should be placed (setting where child has most desirable learning environment). Relates specifically to special education.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.485-1: LeastRestrictiveEnvironmentType

A.486 LessonSourceAuthorType

For each lesson source, the author of the source.

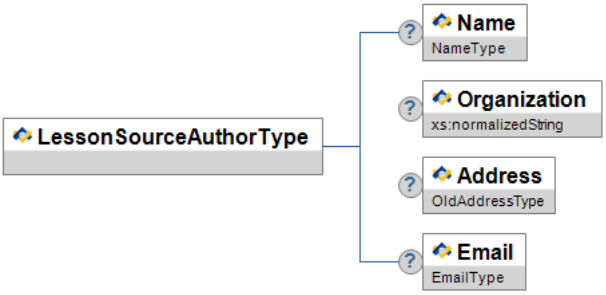

Figure A.486-1: LessonSourceAuthorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LessonSourceAuthorType			For each lesson source, the author of the source.	
	Name	O		Name of the author.	NameType
	Organization	O		Organization name.	xs:normalizedString
	Address	O		Address of the author.	OldAddressType
	Email	O		Email address of the author.	EmailType

Table A.486-1: LessonSourceAuthorType

A.487 LessonSourceListType

One or more sources for the lesson. This describes the lesson's origin.

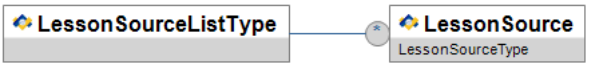

Figure A.487-1: LessonSourceListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LessonSourceListType			One or more sources for the lesson. This describes the lesson's origin.	List
LessonSource	OR		One or more sources for the lesson. This describes the lesson's origin.	LessonSourceType

Table A.487-1: LessonSourceListType

A.488 LessonSourceType

One or more sources for the lesson. This describes the lesson's origin.

Figure A.488-1: LessonSourceType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LessonSourceType			One or more sources for the lesson. This describes the lesson's origin.	
Author	OR		For each lesson source, the authors of the source.	LessonSourceAuthorType

Table A.488-1: LessonSourceType

A.489 LessonStrategyListType

Teaching strategies used in a lesson plan.

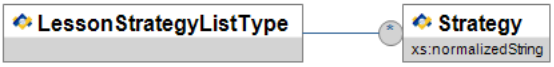

Figure A.489-1: LessonStrategyListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LessonStrategyListType			Teaching strategies used in a lesson plan.	List
Strategy	OR		Teaching strategy used in a lesson plan.	xs:normalizedString

Table A.489-1: LessonStrategyListType

A.490 LibraryItemInfoType

This element contains the information about the library item. Most `Transaction` elements will contain this element. However, certain types of fines assessed to the student like "talking in class", "running in library", etc. do not have a corresponding item so that `Transaction` instance would not contain an ItemInfo.

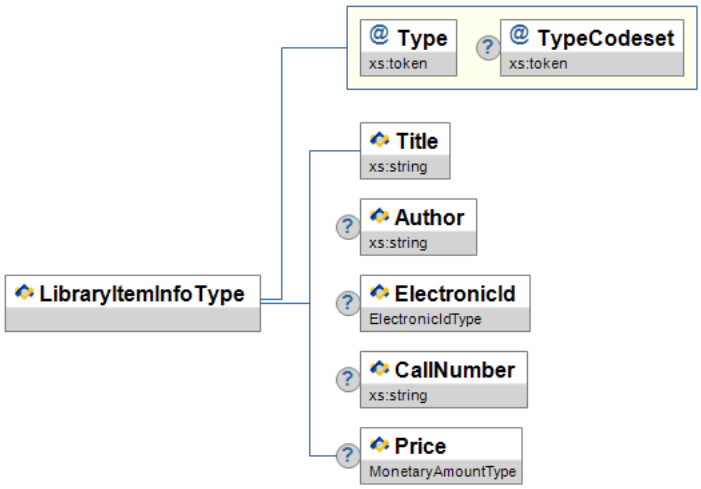

Figure A.490-1: LibraryItemInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LibraryItemInfoType			This element contains the information about the library item. Most `Transaction` elements will contain this element. However, certain types of fines assessed to the student like "talking in class", "running in library", etc. do not have a corresponding item so that `Transaction` instance would not contain an ItemInfo.	
@	Type	M		Type of item being referenced.	`xs:token`
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	`xs:token`
	Title	M		The title of the item being referenced by this `Transaction`.	`xs:string`
	Author	O		The author of the item being referenced by this `Transaction`.	`xs:string`
	ElectronicId	O		Electronic identifier associated with this `Transaction`. This element will not appear if the `Transaction` contains a HoldInfo for an item where a specific instance of the item hasn't been assigned to fulfill the hold request (i.e. unfulfilled title hold request).	`ElectronicIdType`
	CallNumber	O		The library call number, if any, assigned to this item.	`xs:string`
	Price	O		The cost of this item.	`MonetaryAmountType`

Table A.490-1: LibraryItemInfoType

A.491 LibraryMessageListType

List of messages for/regarding the patron.

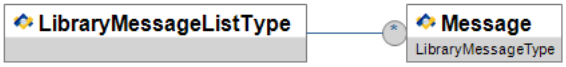

Figure A.491-1: LibraryMessageListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LibraryMessageListType	O		List of messages for/regarding the patron.	`List`

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Message	OR			LibraryMessageType

Table A.491-1: LibraryMessageListType

A.492 LibraryMessageType

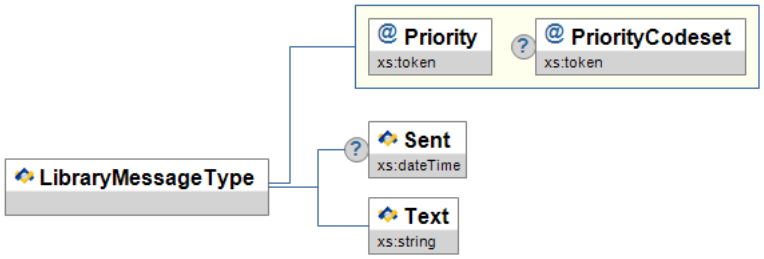

Figure A.492-1: LibraryMessageType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LibraryMessageType				
@	Priority	M		The level of urgency associated with this message.	xs:token
@	PriorityCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Sent	O		The date and time that this message was originally sent.	xs:dateTime
	Text	M		The contents of the message.	xs:string

Table A.492-1: LibraryMessageType

A.493 LibraryTransactionListType

List of transactions.

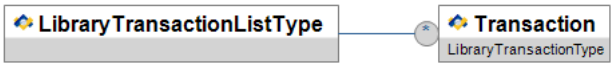

Figure A.493-1: LibraryTransactionListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LibraryTransactionListType			List of transactions.	List
	Transaction	OR		Contains information about library transactions for the referenced student. These include items that are checked out or have fines or holds placed on them.	LibraryTransactionType

Table A.493-1: LibraryTransactionListType

A.494 LibraryTransactionType

Contains information about library transactions for the referenced student. These include items that are checked out or have fines or holds placed on them.

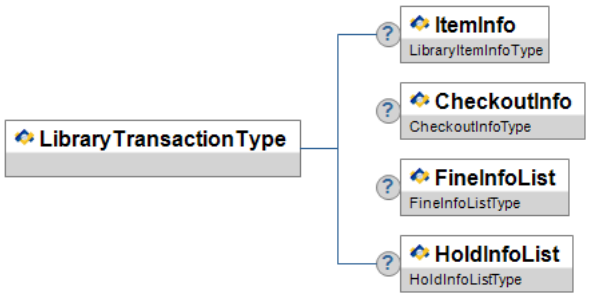

Figure A.494-1: LibraryTransactionType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LibraryTransactionType			Contains information about library transactions for the referenced student. These include items that are checked out or have fines or holds placed on them.	
ItemInfo	O		If this transaction has an item associated with it, this element contains the information about the item. Most `Transaction` elements will contain this element. However, certain types of fines assessed to the student like "talking in class", "running in library", etc. do not have a corresponding item so that `Transaction` instance would not contain an ItemInfo.	`LibraryItemInfoType`
CheckoutInfo	O		If the item is currently checked out to this person, this element contains the date and time that the item is due to be returned.	`CheckoutInfoType`
FineInfoList	O		List of fines assessed.	`FineInfoListType`
HoldInfoList	O		List of holds placed.	`HoldInfoListType`

Table A.494-1: LibraryTransactionType

A.495 LifeCycleType

This common metadata element describes the life cycle of the object it represents, based on the IEEE LOM LifeCycle element [LOM].

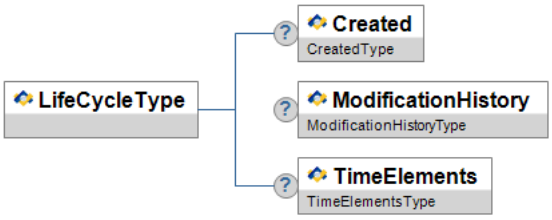

Figure A.495-1: LifeCycleType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LifeCycleType			This common metadata element describes the life cycle of the object it represents, based on the IEEE LOM LifeCycle element [LOM].	
Created	O		When the object was created by whom. This is a more persistent creation date than the date/time in the object's `SIF_Header`. Depending on the use case being implemented, this value could contain the date the data in the object first entered the zone or was actually created.	`CreatedType`
ModificationHistory	O		An ordered set of `Modified` elements describing which system modified the data, when the modification took place, and a brief description of the modification.	`ModificationHistoryType`
TimeElements	O			`TimeElementsType`

Table A.495-1: LifeCycleType

JSON

```
{
  "LifeCycle": {
    "Created": {
      "DateTime": "2006-08-13T07:00:00-07:00",
      "Creators": {
        "Creator": [
          {
            "Name": "Alphonse Berdonosi",
            "ID": "http://www.edugeeks.com/aberdonosi"
          }
        ]
      }
    },
    "ModificationHistory": {
      "Modified": [
        {
          "By": "http://www.edugeeks.com/aberdonosi",
          "DateTime": "2006-08-17T07:30:00-07:00"
        }
      ]
    }
  }
}
```


XML


```
<LifeCycle>
  <Created>
    <DateTime>2006-08-13T09:00:00-05:00</DateTime>
    <Creators>
      <Creator>
        <Name>Alphonse Berdonosi</Name>
        <ID>http://www.edugeeks.com/aberdonosi</ID>
      </Creator>
    </Creators>
  </Created>
  <ModificationHistory>
    <Modified>
      <By>http://www.edugeeks.com/aberdonosi</By>
      <DateTime>2006-08-17T09:30:00-05:00</DateTime>
    </Modified>
  </ModificationHistory>
</LifeCycle>
```


Example A.495-1: LifeCycleType

A.496 LocalIdType

This is a common element used to define the locally assigned identifier associated with an entity. It is used in StudentPersonal, StaffPersonal, SchoolInfo, and other objects.

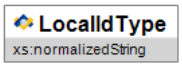

Figure A.496-1: LocalIdType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
LocalIdType			This is a common element used to define the locally assigned identifier associated with an entity. It is used in StudentPersonal, StaffPersonal, SchoolInfo, and other objects.	xs:normalizedString

Table A.496-1: LocalIdType

JSON


```
{
  "LocalId": "123321A"
}
```


XML


```
<LocalId>123321A</LocalId>
```


Example A.496-1: LocalIdType

A.497 LocationOfInstructionType

Description of the location in which the section is taught.

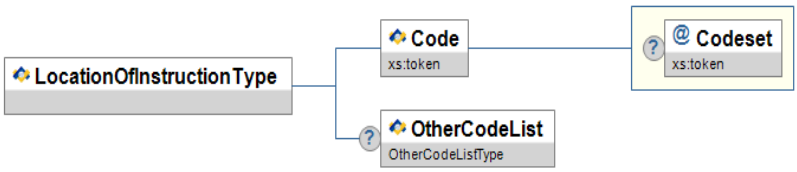

Figure A.497-1: LocationOfInstructionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LocationOfInstructionType	O		Description of the location in which the section is taught.	
	Code	M	000524 https://ceds.ed.gov/element/000524	Code representing the location of instruction.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.497-1: LocationOfInstructionType

A.498 LocationType

This common element initially supports core data elements describing specific physical locations. It is not meant to replace the `LocationInfo` object but is, rather, supposed to facilitate consistent but informal descriptions and references of specific, physical locations.

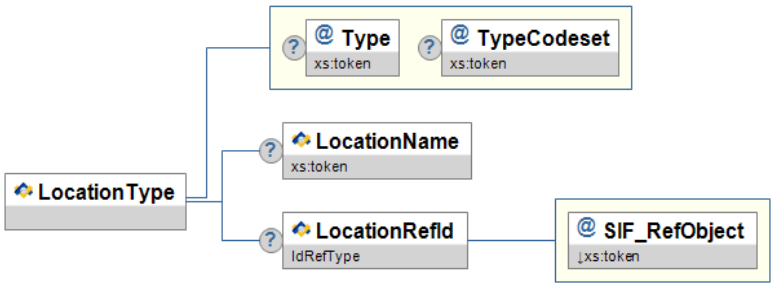

Figure A.498-1: LocationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LocationType				
@	Type	O			xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	LocationName	O		Name of the location.	xs:token
	LocationRefId	O		RefId of the location object if the location is a SIF Object such as `SchoolInfo`.	IdRefType
@	SIF_RefObject	M		Type of SIF Object `Location` points to.	values: SchoolInfo LEAInfo RoomInfo LocationInfo

Table A.498-1: LocationType

A.499 ManifestationDeterminationDueToDisabilityType

Did the team determine that the offense was a manifestation of the student's disability?

Figure A.499-1: ManifestationDeterminationDueToDisabilityType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ManifestationDeterminationDueToDisabilityType	O		Did the team determine that the offense was a manifestation of the student's disability?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.499-1: ManifestationDeterminationDueToDisabilityType

A.500 ManifestationDeterminationType

Information relating to a manifestation determination meeting.

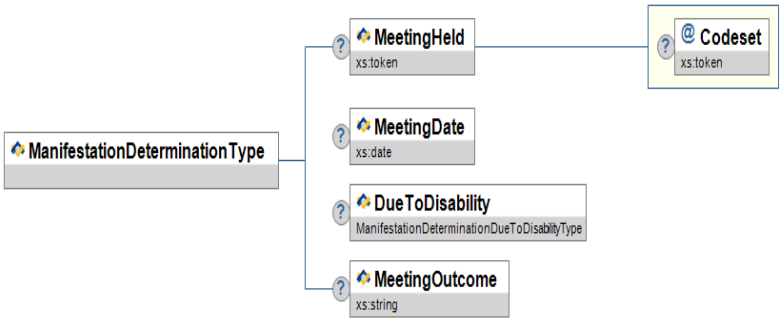

Figure A.500-1: ManifestationDeterminationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ManifestationDeterminationType	O		Information relating to a manifestation determination meeting.	
	MeetingHeld	O		Was a manifestation determination meeting held for this student regarding this offense?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	MeetingDate	O		Date of the manifestation determination meeting, if applicable.	xs:date
	DueToDisability	O			ManifestationDeterminationDueToDisabilityType
	MeetingOutcome	O		Text description of the outcome of the meeting: for example, hearing completed, pending, or refused by student's parents.	xs:string

Table A.500-1: ManifestationDeterminationType

A.501 MarkInfoListType

The grading-related information for a section, repeating for each marking period (TermInfo) in which the section reports Marks.

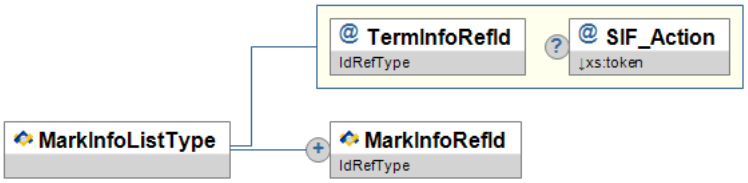

Figure A.501-1: MarkInfoListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MarkInfoListType			The grading-related information for a section, repeating for each marking period (TermInfo) in which the section reports Marks.	List
@	TermInfoRefId	M		The Id (GUID) that identifies the marking period that the following marks are recorded in.	IdRefType
@	SIF_Action	O		In a Change event, this flag can be used to indicate an element has been deleted from the parent list container. At a minimum the key for the list must also be present.	values: Delete
	MarkInfoRefId	MR		The Id (GUID) that identifies a mark that this class uses for grading.	IdRefType

Table A.501-1: MarkInfoListType

A.502 MarkingPeriodMarkDataType

Note: Mandatory if mid-term mark exists. Mid-term mark.

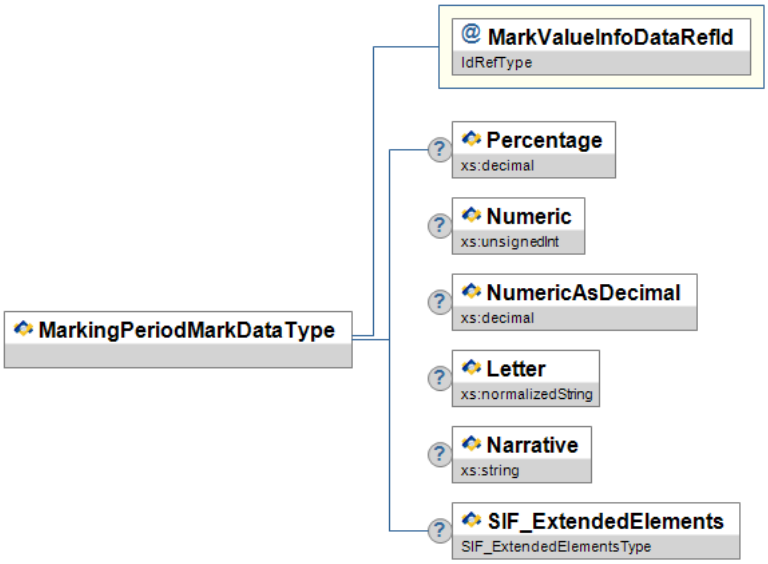

Figure A.502-1: MarkingPeriodMarkDataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MarkingPeriodMarkDataType			Note: Mandatory if mid-term mark exists. Mid-term mark.	
@	MarkValueInfoDataRefId	M		Reference to marking system at school of record.	IdRefType
	Percentage	C		The percent score for this mark (0.00 - 100.00).	xs:decimal
	Numeric	C		The raw numeric score for this mark. Note: This element to be deprecated.	xs:unsignedInt
	NumericAsDecimal	C		The raw numeric score for this mark. This element allows for a numeric mark (score or grade) in decimal format.	xs:decimal
	Letter	C	000124 https://ceds.ed.gov/element/000124	The letter grade for this mark.	xs:normalizedString

Element/@Attribute	Char	CEDS Id/URL	Description	Type
Narrative	C		The free form text narrative for this mark.	xs:string
SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.502-1: MarkingPeriodMarkDataType

A.503 MarkingPeriodSummaryType

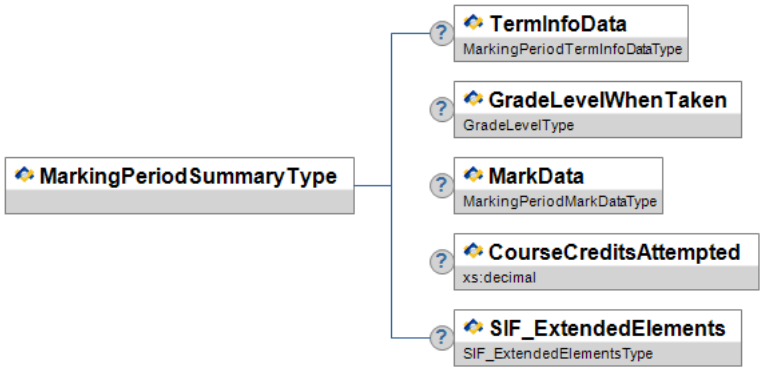

Figure A.503-1: MarkingPeriodSummaryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
MarkingPeriodSummaryType				
TermInfoData	O		Information related to the span of time associated with the marking period.	MarkingPeriodTermInfoDataType
GradeLevelWhenTaken	O		Student's grade level at time of course.	GradeLevelType
MarkData	C	000183 https://ceds.ed.gov/element/000183	Note: Mandatory if mid-term mark exists. Mid-term mark.	MarkingPeriodMarkDataType
CourseCreditsAttempted	O		Number of course credits attempted.	xs:decimal
SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.503-1: MarkingPeriodSummaryType

A.504 MarkingPeriodTermInfoDataType

Information related to the span of time associated with the marking period.

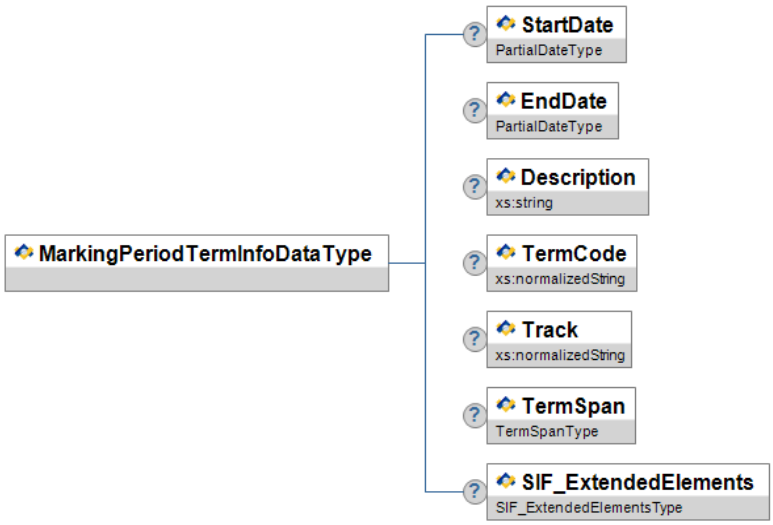

Figure A.504-1: MarkingPeriodTermInfoDataType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
MarkingPeriodTermInfoDataType			Information related to the span of time associated with the marking period.	
StartDate	O			PartialDateType
EndDate	O			PartialDateType
Description	O			xs:string
TermCode	O			xs:normalizedString
Track	O			xs:normalizedString
TermSpan	O			TermSpanType
SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.504-1: MarkingPeriodTermInfoDataType

A.505 MarkingSystemsType

Note: Mandatory if school of record. Marking systems/grading tables used by the school.

Figure A.505-1: MarkingSystemsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
MarkingSystemsType			Note: Mandatory if school of record. Marking systems/grading tables used by the school.	List
MarkValueInfoData	MR		Marking system/grading table used by the school.	MarkValueInfo2Type

Table A.505-1: MarkingSystemsType

A.506 MarkValueInfo2Type

Marking system/grading table used by the school.

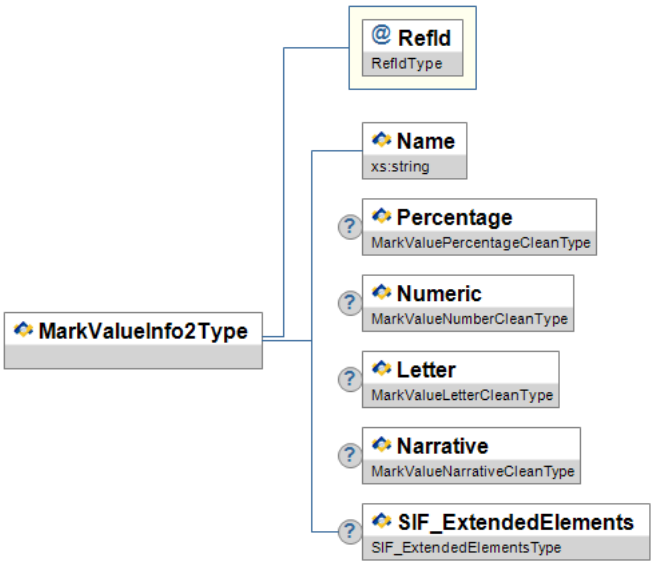

Figure A.506-1: MarkValueInfo2Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MarkValueInfo2Type			Marking system/grading table used by the school.	
@	RefId	M		Id used internally to StudentAcademicRecord to link marks to their marking systems.	RefIdType
	Name	M		The text name of the value list ("Letter Grades", "Letter Grades (+/-)", "ESU", "Pass/Fail", "Override Grades", "Citizenship Comment Codes", etc.).	xs:string
	Percentage	C		Indicates whether a percent Mark is accepted (format ##0.00).	MarkValuePercentageCleanType
	Numeric	C		Indicates whether a raw numeric score is accepted.	MarkValueNumberCleanType
	Letter	C		Indicates whether a letter Mark is accepted.	MarkValueLetterCleanType
	Narrative	C		If present, indicates that a free-form text narrative is accepted.	MarkValueNarrativeCleanType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.506-1: MarkValueInfo2Type

A.507 MarkValueLetterCleanType

Indicates whether a letter Mark is accepted.

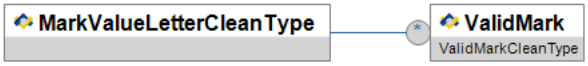

Figure A.507-1: MarkValueLetterCleanType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MarkValueLetterCleanType			Indicates whether a letter Mark is accepted.	List
	ValidMark	CR		List of specific valid letter Marks. May be omitted when `IsAccepted` is `false`, otherwise mandatory.	ValidMarkCleanType

Table A.507-1: MarkValueLetterCleanType

A.508 MarkValueLetterType

Indicates whether a letter Mark is accepted.

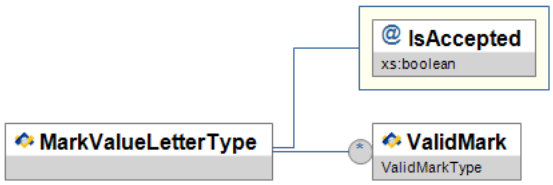

Figure A.508-1: MarkValueLetterType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MarkValueLetterType			Indicates whether a letter Mark is accepted.	ActionList (ValidMark/Code)
@	IsAccepted	M		Indicates whether a letter Mark is accepted and is used in Change events to unambiguously signal whether support for the Mark has changed, especially ended.	xs:boolean
	ValidMark	CR		List of specific valid letter Marks. May be omitted when `IsAccepted` is `false`, otherwise mandatory.	ValidMarkType

Table A.508-1: MarkValueLetterType

A.509 MarkValueNarrativeCleanType

Indicates that a free-form text narrative is accepted.

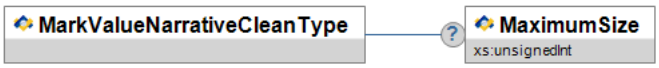

Figure A.509-1: MarkValueNarrativeCleanType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
MarkValueNarrativeCleanType			Indicates that a free-form text narrative is accepted.	
MaximumSize	O		An integer value representing the maximum number of Unicode characters for the narrative, the UTF-8 encoding of which may be longer.	xs:unsignedInt

Table A.509-1: MarkValueNarrativeCleanType

A.510 MarkValueNarrativeType

Indicates that a free-form text narrative is accepted.

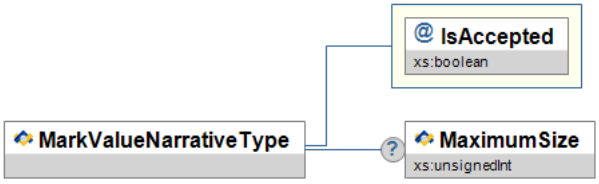

Figure A.510-1: MarkValueNarrativeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MarkValueNarrativeType			Indicates that a free-form text narrative is accepted.	
@	IsAccepted	M		Indicates whether a narrative is accepted and is used in Change events to unambiguously signal whether support for a narrative has changed, especially ended.	xs:boolean
	MaximumSize	O		An integer value representing the maximum number of Unicode characters for the narrative, the UTF-8 encoding of which may be longer.	xs:unsignedInt

Table A.510-1: MarkValueNarrativeType

A.511 MarkValueNumberCleanType

Indicates whether a raw numeric score is accepted.

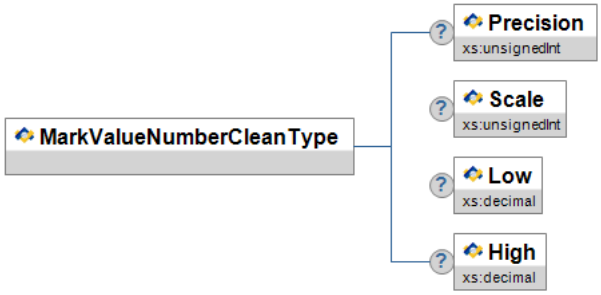

Figure A.511-1: MarkValueNumberCleanType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MarkValueNumberCleanType			Indicates whether a raw numeric score is accepted.	
	Precision	O		Number of significant digits.	xs:unsignedInt
	Scale	O		Number of decimal places.	xs:unsignedInt
	Low	O		Lowest Mark in the range (e.g., 98, 3.95).	xs:decimal
	High	O		Highest Mark in the range (e.g., 100, 4.0).	xs:decimal

Table A.511-1: MarkValueNumberCleanType

A.512 MarkValueNumberType

Indicates whether a raw numeric score is accepted.

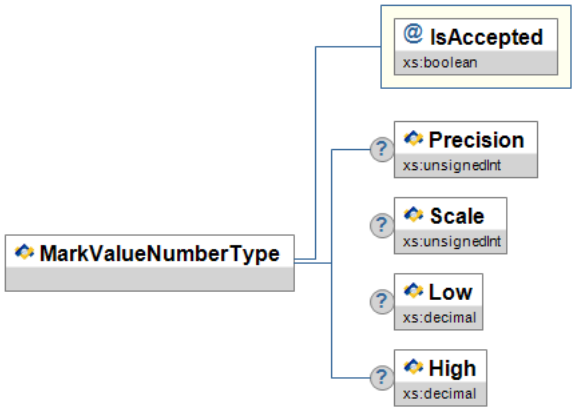

Figure A.512-1: MarkValueNumberType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MarkValueNumberType			Indicates whether a raw numeric score is accepted.	
@	IsAccepted	M		Indicates whether a raw numeric score is accepted and is used in Change events to unambiguously signal whether support for the score has changed, especially ended.	xs:boolean
	Precision	O		Number of significant digits.	xs:unsignedInt
	Scale	O		Number of decimal places.	xs:unsignedInt
	Low	O		Lowest Mark in the range (e.g., 98, 3.95).	xs:decimal
	High	O		Highest Mark in the range (e.g., 100, 4.0).	xs:decimal

Table A.512-1: MarkValueNumberType

A.513 MarkValuePercentageCleanType

Indicates whether a percent Mark is accepted (format ##0.00).

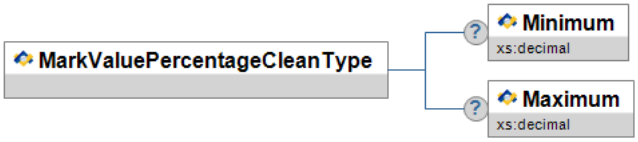

Figure A.513-1: MarkValuePercentageCleanType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
MarkValuePercentageCleanType			Indicates whether a percent Mark is accepted (format ##0.00).	
Minimum	O		The minimum percent value accepted for this mark. If present, the publisher of this object is required to ensure that any values present in the StudentSectionMarks object will not be lower than this value.	xs:decimal
Maximum	O		The maximum percent value accepted for this mark. If present, the publisher of this object is required to ensure that any values present in the StudentSectionMarks object will not be higher than this value.	xs:decimal

Table A.513-1: MarkValuePercentageCleanType

A.514 MarkValuePercentageType

Indicates whether a percent Mark is accepted (format ##0.00).

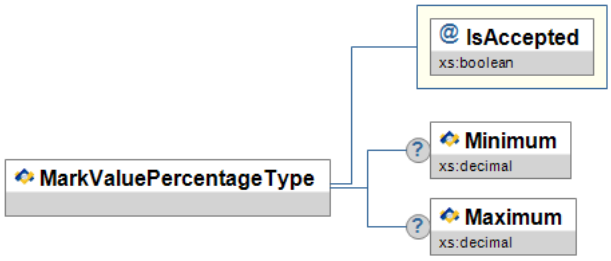

Figure A.514-1: MarkValuePercentageType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MarkValuePercentageType			Indicates whether a percent Mark is accepted (format ##0.00).	
@	IsAccepted	M		Indicates whether a percent Mark is accepted and is used in Change events to unambiguously signal whether support for the Mark has changed, especially ended.	xs:boolean
	Minimum	O		The minimum percent value accepted for this mark. If present, the publisher of this object is required to ensure that any values present in the StudentSectionMarks object will not be lower than this value.	xs:decimal
	Maximum	O		The maximum percent value accepted for this mark. If present, the publisher of this object is required to ensure that any values present in the StudentSectionMarks object will not be higher than this value.	xs:decimal

Table A.514-1: MarkValuePercentageType

A.515 MealPriceListType

Figure A.515-1: MealPriceListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
MealPriceListType				List
Price	MR		Price of the meal	MealPriceType

Table A.515-1: MealPriceListType

A.516 MealPriceType

Price of the meal

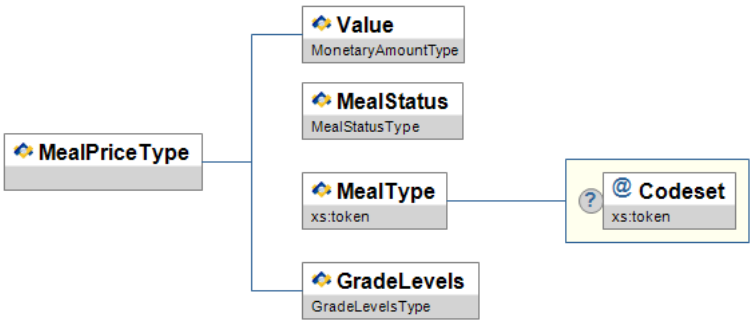

Figure A.516-1: MealPriceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MealPriceType			Price of the meal	
	Value	M		The price value	MonetaryAmountType
	MealStatus	M			MealStatusType
	MealType	M			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	GradeLevels	M			GradeLevelsType

Table A.516-1: MealPriceType

A.517 MealStatusListType

List of meal status.

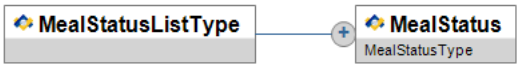

Figure A.517-1: MealStatusListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MealStatusListType			List of meal status.	List
	MealStatus	MR		The student's meal status.	MealStatusType

Table A.517-1: MealStatusListType

A.518 MealStatusType

This gives information about a student's meal status.

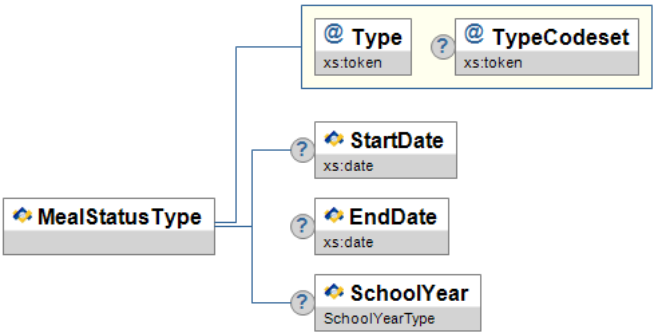

Figure A.518-1: MealStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MealStatusType			This gives information about a student's meal status.	
@	Type	M		Meal status type. `None` refers to paid students. In SIF objects where the MealStatus is required and does not apply, `NA` should be used.	`xs:token`
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	`xs:token`
	StartDate	O		Date on which meal status became effective (inclusive).	`xs:date`
	EndDate	C		Date on which meal status was last in effect, if in the past. This element can't exist without a `StartDate`.	`xs:date`
	SchoolYear	O		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., `2004` for the 2003-04 school year).	`SchoolYearType`

Table A.518-1: MealStatusType

JSON

```
{
  "MealStatus": {
    "Type": "Free",
    "StartDate": "2004-01-01",
    "EndDate": "2004-12-31"
  }
}
```

XML

```
<MealStatus Type="Free">
  <StartDate>2004-01-01</StartDate>
  <EndDate>2004-12-31</EndDate>
</MealStatus>
```

Example A.518-1: MealStatusType

A.519 MealType

This gives information about a meal type.

Figure A.519-1: MealType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type

	MealType			This gives information about a meal type.	values:
					
					`FirstMeal`
					`SecondMeal`
					`StaffMeal`
					`AdultMeal`
					`AlaCarte`

Table A.519-1: MealType

JSON

```
{
  "MealType": "FirstMeal"
}
```

XML

```
<MealType>FirstMeal</MealType>
```

Example A.519-1: MealType

A.520 MediaTypeListType

Resource media types

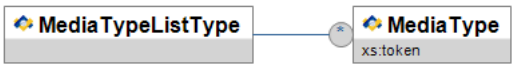

Figure A.520-1: MediaTypeListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
MediaTypeListType	O		Resource media types	List
MediaType	OR		The [MIME] type based on IANA registration (see RFC2048) or 'non-digital'	xs:token

Table A.520-1: MediaTypeListType

A.521 MediaTypesType

Allows an object or query to be tagged with MIME types.

Figure A.521-1: MediaTypesType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
MediaTypesType	O		Allows an object or query to be tagged with MIME types.	List
MediaType	MR			xs:token

Table A.521-1: MediaTypesType

A.522 MedicalAlertMessagesType

A list of medical altert messages associated with the student.

Figure A.522-1: MedicalAlertMessagesType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
MedicalAlertMessagesType	O		A list of medical altert messages associated with the student.	List
MedicalAlertMessage	MR	000439 https://ceds.ed.gov/element/000439	Medical alert associated with the student.	MedicalAlertMessageType

Table A.522-1: MedicalAlertMessagesType

A.523 MedicalAlertMessageType

Medical alert associated with the student.

Figure A.523-1: MedicalAlertMessageType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MedicalAlertMessageType	MR		Medical alert associated with the student.	xs:string
@	Severity	M		The level of severity of this medical alert.	xs:token
@	SeverityCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.523-1: MedicalAlertMessageType

A.524 MediumOfInstructionType

Medium through which the student receives instructional communication from the teacher.

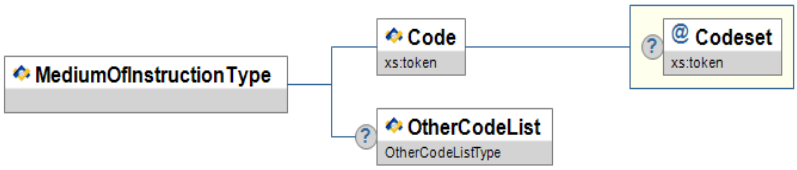

Figure A.524-1: MediumOfInstructionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MediumOfInstructionType	O		Medium through which the student receives instructional communication from the teacher.	
	Code	M		Code representing the medium of instruction.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.524-1: MediumOfInstructionType

A.525 MeetingTimeListType

Figure A.525-1: MeetingTimeListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MeetingTimeListType	O			List
	MeetingTime	MR		Time(s) this section meets. Note: If the reference to BellSchedule below (BellScheduleRefId) exists in this object, then the TimetableDayList/TimetableDay/Identifier value and the TimetablePeriodList/TimetablePeriod/Identifier value in the BellSchedule object MUST exactly match, respectively, the MeetingTime/TimetableDay and MeetingTime/TimetablePeriod values in this object.	MeetingTimeType

Table A.525-1: MeetingTimeListType

A.526 MeetingTimeType

This element represents the meeting times and periods for a course, and occurs within objects such as SectionInfo and StudentSectionEnrollment.

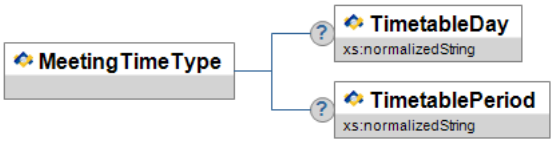

Figure A.526-1: MeetingTimeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
MeetingTimeType			This element represents the meeting times and periods for a course, and occurs within objects such as SectionInfo and StudentSectionEnrollment.	
TimetableDay	O	000521 https://ceds.ed.gov/element/000521	Locally defined rotation cycle day code when the section meets (e.g., in a two day schedule, valid values would be "A" and "B," or "1" and "2").	xs:normalizedString
TimetablePeriod	O	000522 https://ceds.ed.gov/element/000522	The period within the day when this section takes place (e.g., "0" through "7").	xs:normalizedString

Table A.526-1: MeetingTimeType

JSON

```
{
  "MeetingTime": {
    "TimetableDay": "M",
    "TimetablePeriod": "6"
  }
}
```

XML

```
<MeetingTime>
  <TimetableDay>M</TimetableDay>
  <TimetablePeriod>6</TimetablePeriod>
</MeetingTime>
```

Example A.526-1: MeetingTimeType

A.527 MenuPlanQuantityListType

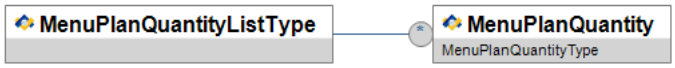

Figure A.527-1: MenuPlanQuantityListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
MenuPlanQuantityListType	M			List
MenuPlanQuantity	OR		Quantity of item in this menu plan	MenuPlanQuantityType

Table A.527-1: MenuPlanQuantityListType

A.528 MenuPlanQuantityType

Quantity of item in this menu plan

Figure A.528-1: MenuPlanQuantityType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MenuPlanQuantityType			Quantity of item in this menu plan	xs:decimal
@	FoodserviceItemPortionRefId	M		Item portion amount	IdRefType
@	MenuCategory	M			xs:token
@	MenuCategoryCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.528-1: MenuPlanQuantityType

A.529 MiddleNameType

A person's middle name or initial.

Figure A.529-1: MiddleNameType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MiddleNameType		000184 https://ceds.ed.gov/element/000184	A person's middle name or initial.	xs:normalizedString

Table A.529-1: MiddleNameType

JSON

```
{
  "MiddleName": "Bartholomew"
}
```

XML

```
<MiddleName>Bartholomew</MiddleName>
```

Example A.529-1: MiddleNameType

A.530 MigrantType

Is this a migrant student?

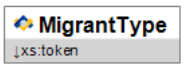

Figure A.530-1: MigrantType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MigrantType			Is this a migrant student?	values: Yes No Unknown

Table A.530-1: MigrantType

JSON

```
{
  "Migrant": "No"
}
```

XML

```
<Migrant>No</Migrant>
```

Example A.530-1: MigrantType

A.531 MilkSaleQuantityListType

Figure A.531-1: MilkSaleQuantityListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
MilkSaleQuantityListType				List
SaleQuantity	OR		Quantity of sale	MilkSaleQuantityType

Table A.531-1: MilkSaleQuantityListType

A.532 MilkSaleQuantityType

Quantity of sale

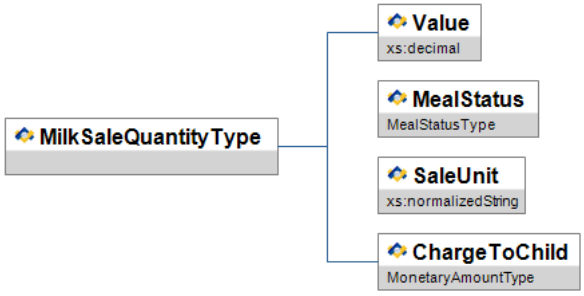

Figure A.532-1: MilkSaleQuantityType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
MilkSaleQuantityType			Quantity of sale	
Value	M		The quantity sold.	xs:decimal
MealStatus	M			MealStatusType
SaleUnit	M		Unit of Sale	xs:normalizedString
ChargeToChild	M		Charge to child per unit	MonetaryAmountType

Table A.532-1: MilkSaleQuantityType

A.533 MinSecDurationType

Duration in minutes and seconds.

Figure A.533-1: MinSecDurationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MinSecDurationType			Duration in minutes and seconds.	xs:integer
@	UnitOfMeasure	M		Identifies unit of measure in which amount of time is expressed.	xs:token
@	UnitOfMeasureCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.533-1: MinSecDurationType

A.534 ModificationHistoryType

An ordered set of `Modified` elements describing which system modified the data, when the modification took place, and a brief description of the modification.

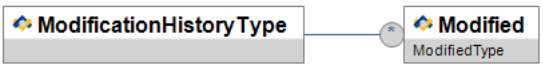

Figure A.534-1: ModificationHistoryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ModificationHistoryType	O		An ordered set of `Modified` elements describing which system modified the data, when the modification took place, and a brief description of the modification.	List
	Modified	OR		A single modification event.	ModifiedType

Table A.534-1: ModificationHistoryType

A.535 ModifiedType

A single modification event.

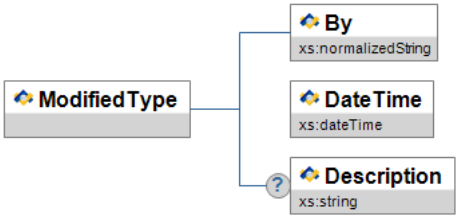

Figure A.535-1: ModifiedType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ModifiedType	OR		A single modification event.	
	By	M		Identifier of the system or person that modified the data.	xs:normalizedString
	DateTime	M	000534 https://ceds.ed.gov/element/000534	The date/time the modification occurred.	xs:dateTime
	Description	O		Human readable description of the data modifications.	xs:string

Table A.535-1: ModifiedType

A.536 MonetaryAmountType

A monetary amount.

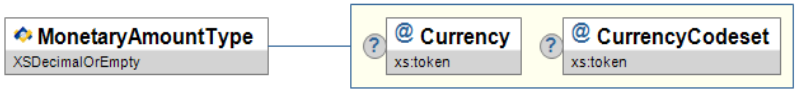

Figure A.536-1: MonetaryAmountType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MonetaryAmountType			A monetary amount.	xs:decimal
@	Currency	O		Currency code. Where omitted, defaults to implementation-defined local currency, typically USD in the United States.	xs:token
@	CurrencyCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.536-1: MonetaryAmountType

A.537 MsgIdType

A message identifier.

Figure A.537-1: MsgIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MsgIdType			A message identifier.	GUIDType

Table A.537-1: MsgIdType

A.538 MultipleIntelligencesType

An educational theory that describes at least eight different kinds of "intelligences." These include linguistic, logical-mathematical, spatial, bodily-kinesthetic, musical intelligence, interpersonal, intrapersonal and naturalist.

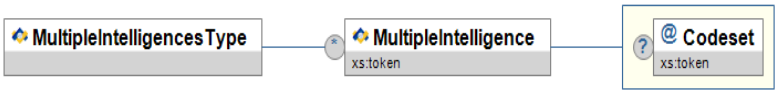

Figure A.538-1: MultipleIntelligencesType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MultipleIntelligencesType	O		An educational theory that describes at least eight different kinds of "intelligences." These include linguistic, logical-mathematical, spatial, bodily-kinesthetic, musical intelligence, interpersonal, intrapersonal and naturalist.	List
	MultipleIntelligence	OR			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.538-1: MultipleIntelligencesType

A.539 NameOfRecordType

Extends BaseNameType to allow for one Type attribute value, indicating the name is the name of record; serves as the primary name in some SIF objects, including StudentPersonal.

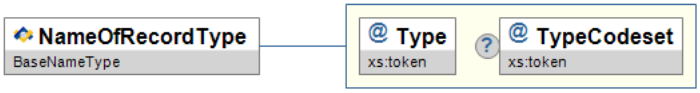

Figure A.539-1: NameOfRecordType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	NameOfRecordType			Extends BaseNameType to allow for one Type attribute value, indicating the name is the name of record; serves as the primary name in some SIF objects, including StudentPersonal.	Extension of BaseNameType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Prefix	O	000212 https://ceds.ed.gov/element/000212	A prefix associated with the name like Mr., Ms., etc.	xs:normalizedString
	LastName	M	000172 https://ceds.ed.gov/element/000172	The last name.	LastNameType
	FirstName	M	000115 https://ceds.ed.gov/element/000115	The first name.	FirstNameType
	MiddleName	O	000184 https://ceds.ed.gov/element/000184	The middle name or initial.	MiddleNameType
	Suffix	O		Generation of suffix like II, Jr., etc.	xs:normalizedString
	PreferredName	O		This is a name that the person prefers to be called by.	xs:normalizedString
	SortName	O		This is the name to be used for sorting purposes.	xs:normalizedString
	FullName	O		A free text field for the complete name.	xs:normalizedString
@	Type	M		Code that specifies what type of name this is.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.539-1: NameOfRecordType

A.540 NamesType

The name(s) of the person.

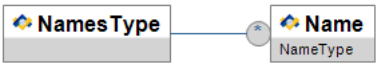

Figure A.540-1: NamesType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	NamesType	O		The name(s) of the person.	List
	Name	OR		The name(s) of the person.	NameType

Table A.540-1: NamesType

A.541 NameType

The Name element, which could belong to a student, staff member, contact, etc. This element or a form with a subset of Type values occurs within objects such as StudentPersonal, StudentContact, StaffPersonal, etc.

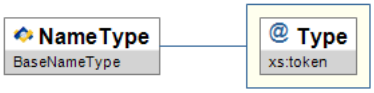

Figure A.541-1: NameType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	NameType			The Name element, which could belong to a student, staff member, contact, etc. This element or a form with a subset of Type values occurs within objects such as StudentPersonal, StudentContact, StaffPersonal, etc.	Extension of BaseNameType
	Prefix	O	000212 https://ceds.ed.gov/element/000212	A prefix associated with the name like Mr., Ms., etc.	xs:normalizedString
	LastName	M	000172 https://ceds.ed.gov/element/000172	The last name.	LastNameType
	FirstName	M	000115 https://ceds.ed.gov/element/000115	The first name.	FirstNameType
	MiddleName	O	000184 https://ceds.ed.gov/element/000184	The middle name or initial.	MiddleNameType
	Suffix	O		Generation of suffix like II, Jr., etc.	xs:normalizedString
	PreferredName	O		This is a name that the person prefers to be called by.	xs:normalizedString
	SortName	O		This is the name to be used for sorting purposes.	xs:normalizedString
	FullName	O		A free text field for the complete name.	xs:normalizedString
@	Type	M		Code that specifies what type of name this is. If unsure, use 04.	xs:token

Table A.541-1: NameType

JSON

```
{
  "Name": {
    "Type": "04",
    "Prefix": "Mr.",
    "LastName": "Woodall",
    "FirstName": "Charles",
    "MiddleName": "William",
    "PreferredName": "Chuck"
  }
}
```

XML

```
<Name Type="04">
  <Prefix>Mr.</Prefix>
  <LastName>Woodall</LastName>
  <FirstName>Charles</FirstName>
  <MiddleName>William</MiddleName>
  <PreferredName>Chuck</PreferredName>
</Name>
```

Example A.541-1: NameType

A.542 NCESIdType

This is a common element used to define the identifier assigned by the National Center for Education Statistics that is associated with an entity. It is used in SchoolInfo, LEAInfo, and other objects.

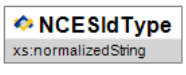

Figure A.542-1: NCESIdType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
NCESIdType			This is a common element used to define the identifier assigned by the National Center for Education Statistics that is associated with an entity. It is used in SchoolInfo, LEAInfo, and other objects.	xs:normalizedString

Table A.542-1: NCESIdType

JSON

```
{
  "NCESId": "421575003045"
}
```

XML

```
<NCESId>421575003045</NCESId>
```

Example A.542-1: NCESIdType

A.543 NeglectedDelinquentType

Is the student participating in programs for neglected, delinquent, or at risk children?

Figure A.543-1: NeglectedDelinquentType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
NeglectedDelinquentType			Is the student participating in programs for neglected, delinquent, or at risk children?	values: Yes No Unknown

Table A.543-1: NeglectedDelinquentType

JSON

```
{
  "NeglectedDelinquent": "No"
}
```

XML

```
<NeglectedDelinquent>No</NeglectedDelinquent>
```

Example A.543-1: NeglectedDelinquentType

A.544 NeglectedOrDelinquentParticipationListType

Figure A.544-1: NeglectedOrDelinquentParticipationListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
NeglectedOrDelinquentParticipationListType				List
NeglectedOrDelinquentParticipation	MR		The type and number of days a student participated in a Neglected or Delinquent program during the reporting period.	NeglectedOrDelinquentParticipationType

Table A.544-1: NeglectedOrDelinquentParticipationListType

A.545 NeglectedOrDelinquentParticipationType

The type and number of days a student participated in a Neglected or Delinquent program during the reporting period.

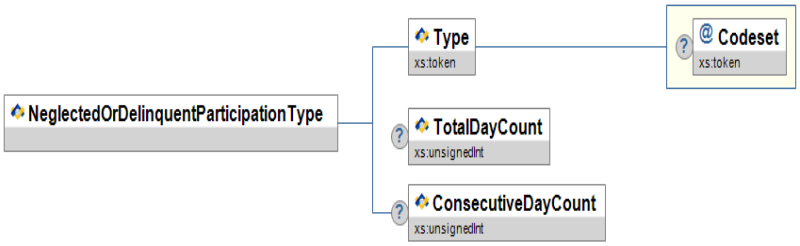

Figure A.545-1: NeglectedOrDelinquentParticipationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	NeglectedOrDelinquentParticipationType			The type and number of days a student participated in a Neglected or Delinquent program during the reporting period.	
	Type	M		The specific classification for the neglected or delinquent program.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	TotalDayCount	O		The total number of instructional days the student was enrolled in this neglected or delinquent program during this reporting period.	xs:unsignedInt
	ConsecutiveDayCount	O		The highest number of consecutive instructional days the student was enrolled in this neglected or delinquent program. This may or may not match the TotalDayCount for the reporting period.	xs:unsignedInt

Table A.545-1: NeglectedOrDelinquentParticipationType

A.546 NeverShareWithListType

A list of parties and data sharing permissions.

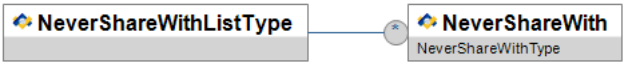

Figure A.546-1: NeverShareWithListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	NeverShareWithListType	O		A list of parties and data sharing permissions.	List
	NeverShareWith	OR		The .	NeverShareWithType

Table A.546-1: NeverShareWithListType

A.547 NeverShareWithType

Information about data sharing.

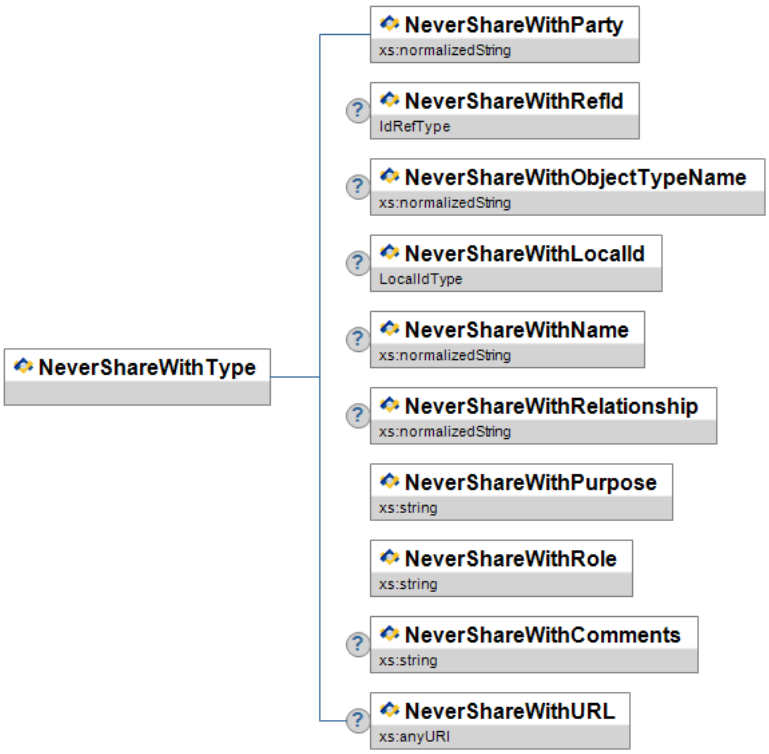

Figure A.547-1: NeverShareWithType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
NeverShareWithType			Information about data sharing.	
NeverShareWithParty	M		Who data should never be shared with?	xs:normalizedString
NeverShareWithRefId	O		RefId of entity never to be shared with if known.	IdRefType
NeverShareWithObjectTypeName	O		The name of the object referenced.	xs:normalizedString
NeverShareWithLocalId	O		LocalId of entity never to be shared with if known.	LocalIdType
NeverShareWithName	O		The name of the person/body. Only to be used when a SIF reference object not available.	xs:normalizedString
NeverShareWithRelationship	O		The relationship of the person/body. Only to be used when a SIF reference object not available.	xs:normalizedString
NeverShareWithPurpose	M		Purpose of information never to be shared?	xs:string
NeverShareWithRole	M	001156 https://ceds.ed.gov/element/001156	Role of information never to be shared?	xs:string
NeverShareWithComments	O		Comments associated with Sharing arrangement	xs:string
NeverShareWithURL	O		URL Associated with Share	xs:anyURI

Table A.547-1: NeverShareWithType

A.548 NonpromotionType

This element is mutually exclusive with Promotion, and its child elements should only be populated if the value of PromotionStatus is "Retained" or "Demoted".

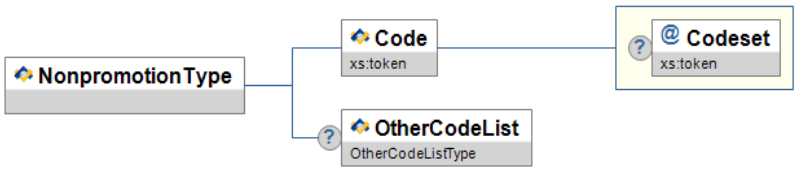

Figure A.548-1: NonpromotionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	NonpromotionType	O		This element is mutually exclusive with Promotion, and its child elements should only be populated if the value of PromotionStatus is "Retained" or "Demoted".	
	Code	M	000531 https://ceds.ed.gov/element/000531	The reason the student was promoted. This element should only be populated if the value of PromotionStatus is “Promoted”.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.548-1: NonpromotionType

A.549 ObjectNameType

An unenumerated SIF object name.

Figure A.549-1: ObjectNameType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ObjectNameType			An unenumerated SIF object name.	xs:NCName xs:maxLength 64

Table A.549-1: ObjectNameType

A.550 ObjectType

A SIF XML object.

Figure A.550-1: ObjectType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ObjectType			A SIF XML object.	<xs:sequence> <xs:any processContents="lax" minOccurs="1" maxOccurs="unbounded" namespace="##any" /> </xs:sequence>

Table A.550-1: ObjectType

A.551 OffenderListType

List of offenders.

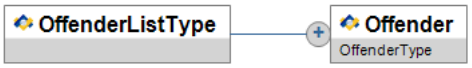

Figure A.551-1: OffenderListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
OffenderListType	M		List of offenders.	List
Offender	MR		Information regarding the offender(s)/perpetrator(s).	OffenderType

Table A.551-1: OffenderListType

A.552 OffenderType

Information regarding the offender(s)/perpetrator(s).

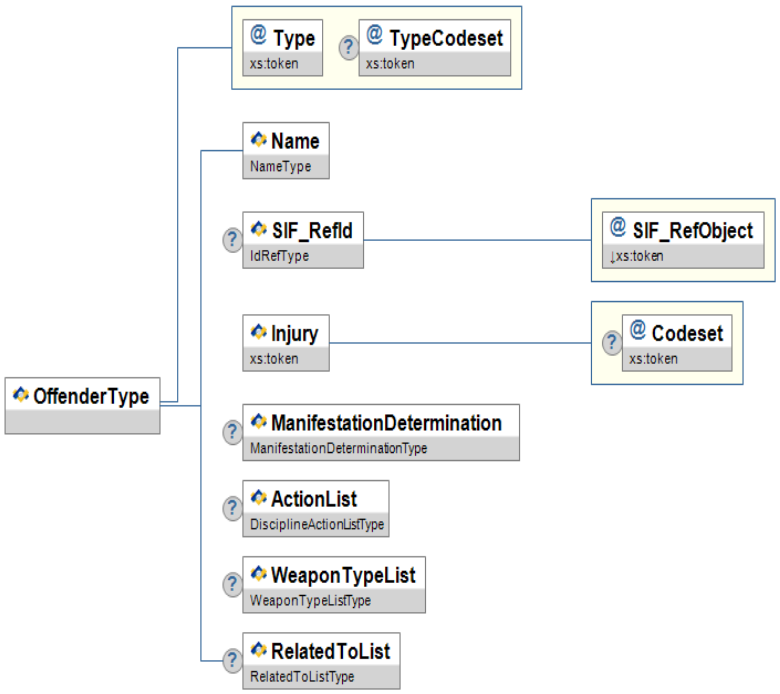

Figure A.552-1: OffenderType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OffenderType	MR		Information regarding the offender(s)/perpetrator(s).	
@	Type	M		Identifies the type of offender involved in the incident.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Name	M		The name of the offender.	NameType
	SIF_RefId	C		If the Offender Type attribute identifies the offender as a Student or Staff Member, then this element should contain the Id (GUID) of the student or staff to whom this information relates.	IdRefType
@	SIF_RefObject	M		SIF Object to which the SIFRefId relates.	values: StudentPersonal StaffPersonal EmployeePersonal

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Injury	M	000510 https://ceds.ed.gov/element/000510	Identifies whether or not this specific offender was physically injured, and if so, identifies whether the injury was major or minor.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ManifestationDetermination	O		Information relating to a manifestation determination meeting.	ManifestationDeterminationType
	ActionList	O		List of actions taken. Note: There is also a SIF type called ActionList. It is one of two types of lists. Do not confuse this element with the SIF type called ActionList. This problem will be resolved in the next major release.	DisciplineActionListType
	WeaponTypeList	C		List of weapons involved in the incident used by the offender. If the incident involves weapons, the element must have a value. Each weapon used by the offender is identified by a WeaponType entry. When multiple weapons of a single type are used by the offender, each weapon has a separate entry in this list. (Note: All weapons used in the incident are reported in WeaponTypeList entries for the incident, including those weapons related to this offender.)	WeaponTypeListType
	RelatedToList	O		List of categories to which the offender's incident is related.	RelatedToListType

Table A.552-1: OffenderType

A.553 OldAddressType

This element represents an address. This element occurs within objects and elements such as StaffPersonal and StudentPersonal/StudentAddress, etc.

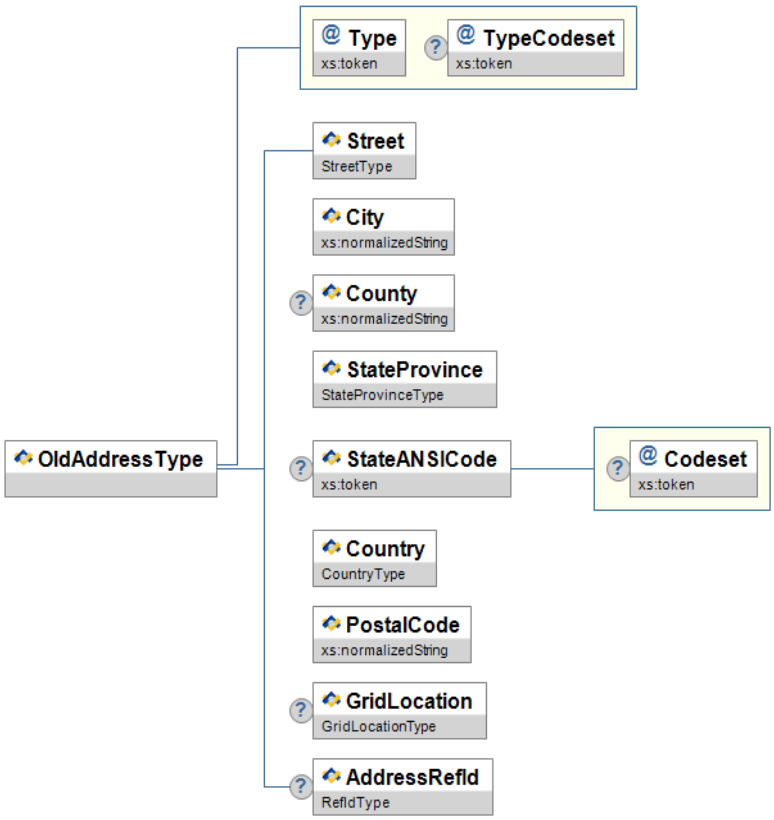

Figure A.553-1: OldAddressType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OldAddressType	M		This element contains address data.	
@	Type	M	000010 https://ceds.ed.gov/element/000010	Code that defines the location of the address. Note: A subset of specific valid values for each instance in a data object may be listed in that object.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Street	M		The street element is a complex element and breaks the street down into several parts.	StreetType
	City	M	000040 https://ceds.ed.gov/element/000040	The city part of the address.	xs:normalizedString
	County	O	000190 https://ceds.ed.gov/element/000190	The county part of the address.	xs:normalizedString
	StateProvince	M	000267 https://ceds.ed.gov/element/000267	The state or province code.	StateProvinceType
	StateANSICode	O	000424 https://ceds.ed.gov/element/000424	The American National Standards Institute (ANSI) two-digit code for the state.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Country	M		The country code.	CountryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PostalCode	M	000214 https://ceds.ed.gov/element/000214	The ZIP/postal code.	xs:normalizedString
	GridLocation	O	000597 https://ceds.ed.gov/element/000597	The location of the address.	GridLocationType
	AddressRefId	O		Reference to an Address object or instance.	RefIdType

Table A.553-1: OldAddressType

A.554 OldFundingSourceType

Provider of funds for the program or service.

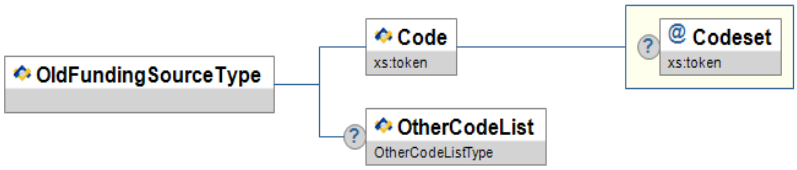

Figure A.554-1: OldFundingSourceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OldFundingSourceType			Provider of funds for the program or service.	
	Code	M	000552 https://ceds.ed.gov/element/000552	Provider of funds for the program or service.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.554-1: OldFundingSourceType

A.555 OnTimeGraduationYearType

First projected graduation year, usually determined when student is accepted into 9th grade (CCYY).

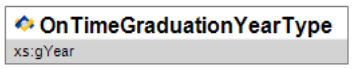

Figure A.555-1: OnTimeGraduationYearType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OnTimeGraduationYearType			First projected graduation year, usually determined when student is accepted into 9th grade (CCYY).	xs:gYear

Table A.555-1: OnTimeGraduationYearType

JSON

```
{
  "OnTimeGraduationYear": "2006"
}
```

XML

```
<OnTimeGraduationYear>2006</OnTimeGraduationYear>
```

Example A.555-1: OnTimeGraduationYearType

A.556 OperationalStatusType

This common element contains status information about a school, LEA, or other institution.

Figure A.556-1: OperationalStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OperationalStatusType			Operational condition of an institution. For schools, use 0256 School Status Type. For LEAs, use 0032 Agency Status.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.556-1: OperationalStatusType

JSON

```
{
  "OperationalStatus": "0820"
}
```

XML

```
<OperationalStatus>0820</OperationalStatus>
```

Example A.556-1: OperationalStatusType

A.557 OrganizationListType

Names of organizations

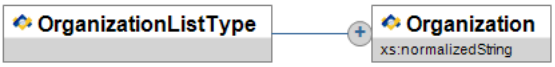

Figure A.557-1: OrganizationListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OrganizationListType			Names of organizations	List
	Organization	MR	000699 https://ceds.ed.gov/element/000699	Name of organization	xs:normalizedString

Table A.557-1: OrganizationListType

A.558 OrganizationRelationshipType

Provides information about a student's relationship to an organization.

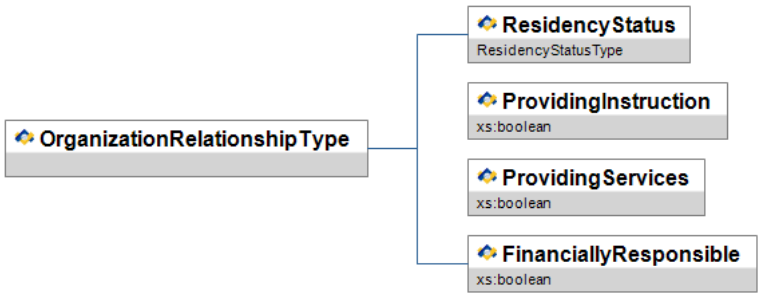

Figure A.558-1: OrganizationRelationshipType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OrganizationRelationshipType			Provides information about a student's relationship to an organization.	
	ResidencyStatus	M			ResidencyStatusType
	ProvidingInstruction	M		Flag that indicates if the reporting organization is providing instruction to the student.	xs:boolean
	ProvidingServices	M		Flag that indicates if the reporting organization is providing services that are not related to instruction to the student. An example of a non-instructional service is transportation.	xs:boolean
	FinanciallyResponsible	M		Flag that indicates if the reporting organization is financially responsible for the student.	xs:boolean

Table A.558-1: OrganizationRelationshipType

A.559 OriginPointType

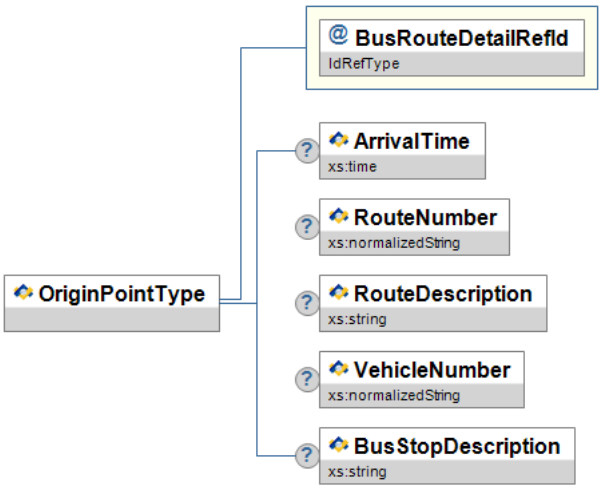

Figure A.559-1: OriginPointType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OriginPointType				
@	BusRouteDetailRefId	M		GUID that identifies the bus stop/route where the student gets on the bus.	IdRefType
	ArrivalTime	O		The time that the bus associated with this route will stop at this bus stop.	xs:time
	RouteNumber	O		A unique identifier for the route. For instance, you may have route 16AM in the morning and a 16PM in the afternoon.	xs:normalizedString

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RouteDescription	O		Short explanation of the route.	xs:string
	VehicleNumber	O		Vehicle number of the bus.	xs:normalizedString
	BusStopDescription	O		An explanation of this location.	xs:string

Table A.559-1: OriginPointType

A.560 OtherCodeListType

List of other codes or strings that crosswalk to or serve as translations of the `Code` element paired with this common element. If `Code` changes and `OtherCode`s are supported, both `Code` and all associated `OtherCode` elements must be present.

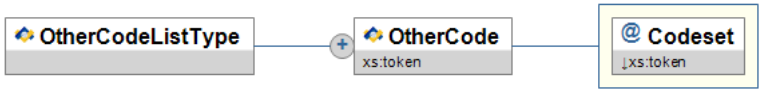

Figure A.560-1: OtherCodeListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OtherCodeListType			List of other codes or strings that crosswalk to or serve as translations of the `Code` element paired with this common element. If `Code` changes and `OtherCode`s are supported, both `Code` and all associated `OtherCode` elements must be present.	List
	OtherCode	MR		A state/province code, local code, other code or a text string that crosswalks to or serves as a translation of an associated `Code` element.	xs:token
@	Codeset	M		Describes the `OtherCode` element content as either a state/province code, a local code, other code, or text string.	values: StateProvince Local Other Text

Table A.560-1: OtherCodeListType

JSON

```
{
  "OtherCodeList": {
    "OtherCode": [
      {
        "Codeset": "Local",
        "value": "S"
      },
      {
        "Codeset": "Text",
        "value": "Semester"
      }
    ]
  }
}
```

XML

```
<OtherCodeList>
  <OtherCode Codeset="Local">S</OtherCode>
  <OtherCode Codeset="Text">Semester</OtherCode>
</OtherCodeList>
```

Example A.560-1: OtherCodeListType

A.561 OtherIdListType

Common XML structure for a list of other Ids related to the object.

Figure A.561-1: OtherIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OtherIdListType	O		Common XML structure for a list of other Ids related to the object.	List
	OtherId	MR		The other Id entry.	OtherIdType

Table A.561-1: OtherIdListType

JSON

```
{
  "OtherIdList": {
    "OtherId": [
      {
        "Type": "0004",
        "value": "590651225"
      },
      {
        "Type": "9999",
        "value": "3333"
      }
    ]
  }
}
```

XML

```
<OtherIdList>
  <OtherId Type="0004">590651225</OtherId>
  <OtherId Type="9999">3333</OtherId>
</OtherIdList>
```

Example A.561-1: OtherIdListType

A.562 OtherIdType

An "other" identifier associated with a person. This element occurs in objects such as StudentPersonal and StaffPersonal, etc.

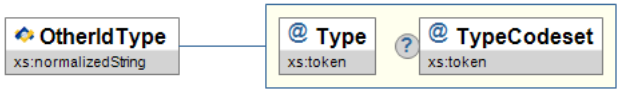

Figure A.562-1: OtherIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OtherIdType			An "other" identifier associated with a person. This element occurs in objects such as StudentPersonal and StaffPersonal, etc.	xs:normalizedString
@	Type	M		Code that defines the type of this other Id. Note: A subset of valid values may be specified in data objects.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.562-1: OtherIdType

JSON

```
{
  "OtherId": {
    "Type": "0004",
    "value": "333333333"
  }
}
```

XML

```
<OtherId Type="0004">333333333</OtherId>
```

Example A.562-1: OtherIdType

A.563 OtherLEAListType

The Id (GUID) of an other related education agency, such as a regional service agency.

Figure A.563-1: OtherLEAListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OtherLEAListType			The Id (GUID) of an other related education agency, such as a regional service agency.	List
	LEAInfoRefId	MR			IdRefType

Table A.563-1: OtherLEAListType

A.564 OtherNamesType

Previous, alternate or other names or aliases associated with a person.

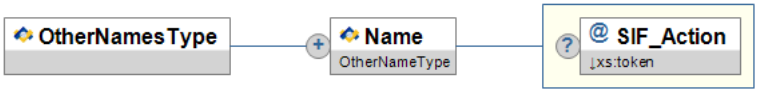

Figure A.564-1: OtherNamesType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OtherNamesType	O		Previous, alternate or other names or aliases associated with a person.	ActionList (Name/@Type)
	Name	MR	000206 https://ceds.ed.gov/element/000206	Name of the person. Note: Type value of `04` may not occur here.	Extension of OtherNameType
@	SIF_Action	O		In a `Change` event, this flag can be used to indicate an element has been deleted from the parent list container. At a minimum the key for the list must also be present.	values: Delete

Table A.564-1: OtherNamesType

JSON

```
{
  "OtherNames": {
    "Name": [
      {
        "Type": "01",
        "LastName": "Anderson",
        "FirstName": "Susan"
      },
      {
        "Type": "07",
        "LastName": "Rowinski",
        "FirstName": "Susan"
      }
    ]
  }
}
```

XML

```
<OtherNames>
  <Name Type="01">
    <LastName>Anderson</LastName>
    <FirstName>Susan</FirstName>
  </Name>
  <Name Type="07">
    <LastName>Rowinski</LastName>
    <FirstName>Susan</FirstName>
  </Name>
</OtherNames>
```

Example A.564-1: OtherNamesType

A.565 OtherNameType

Extends `BaseNameType` to allow for `Type` attribute values excluding "name of record." Used for other names to be included in addition to the name of record in objects like StudentPersonal.

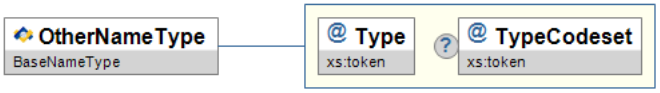

Figure A.565-1: OtherNameType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OtherNameType			Extends `BaseNameType` to allow for `Type` attribute values excluding "name of record." Used for other names to be included in addition to the name of record in objects like StudentPersonal.	Extension of `BaseNameType`
	Prefix	O	000212 https://ceds.ed.gov/element/000212	A prefix associated with the name like Mr., Ms., etc.	`xs:normalizedString`
	LastName	M	000172 https://ceds.ed.gov/element/000172	The last name.	`LastNameType`
	FirstName	M	000115 https://ceds.ed.gov/element/000115	The first name.	`FirstNameType`
	MiddleName	O	000184 https://ceds.ed.gov/element/000184	The middle name or initial.	`MiddleNameType`
	Suffix	O		Generation of suffix like II, Jr., etc.	`xs:normalizedString`
	PreferredName	O		This is a name that the person prefers to be called by.	`xs:normalizedString`
	SortName	O		This is the name to be used for sorting purposes.	`xs:normalizedString`
	FullName	O		A free text field for the complete name.	`xs:normalizedString`
@	Type	M	000634 https://ceds.ed.gov/element/000634	Code that specifies what type of name this is, excluding "name of record."	`xs:token`
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	`xs:token`

Table A.565-1: OtherNameType

A.566 OtherStudentRecordListType

Other records or content not defined by SIF, but associated with the student. Wrapped in `StudentRecordPackage`.

Figure A.566-1: OtherStudentRecordListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OtherStudentRecordListType			Other records or content not defined by SIF, but associated with the student. Wrapped in `StudentRecordPackage`.	List
	StudentRecordPackageRefId	MR			IdRefType

Table A.566-1: OtherStudentRecordListType

A.567 PartCTransitionMeetingNotHeldReasonListType

Figure A.567-1: PartCTransitionMeetingNotHeldReasonListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PartCTransitionMeetingNotHeldReasonListType				List
	PartCTransitionMeetingNotHeldReason	MR			PartCTransitionMeetingNotHeldReasonType

Table A.567-1: PartCTransitionMeetingNotHeldReasonListType

A.568 PartCTransitionMeetingNotHeldReasonType

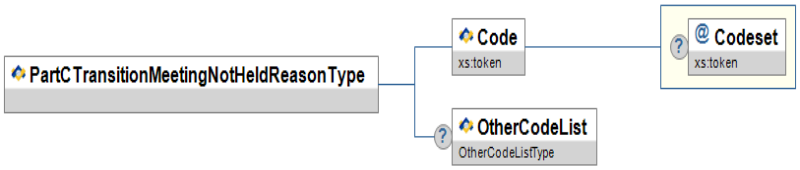

Figure A.568-1: PartCTransitionMeetingNotHeldReasonType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PartCTransitionMeetingNotHeldReasonType				
	Code	M		A reason why the Part C transition meeting was not held.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.568-1: PartCTransitionMeetingNotHeldReasonType

A.569 PartCTransitionMeetingOutcomeListType

Figure A.569-1: PartCTransitionMeetingOutcomeListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PartCTransitionMeetingOutcomeListType	O			List
	PartCTransitionMeetingOutcome	MR			PartCTransitionMeetingOutcomeType

Table A.569-1: PartCTransitionMeetingOutcomeListType

A.570 PartCTransitionMeetingOutcomeType

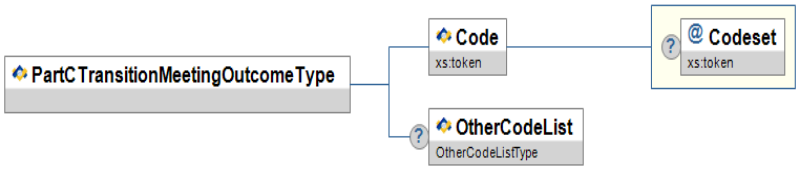

Figure A.570-1: PartCTransitionMeetingOutcomeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PartCTransitionMeetingOutcomeType				
	Code	M		An outcome of a Part C transition meeting.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.570-1: PartCTransitionMeetingOutcomeType

A.571 PartialDateType

A year, with an optional month/day, or an optional month by itself.

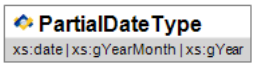

Figure A.571-1: PartialDateType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PartialDateType			A year, with an optional month/day, or an optional month by itself.	union of: xs:date xs:gYearMonth xs:gYear

Table A.571-1: PartialDateType

A.572 PasswordListType

Allows a provider or publisher to specify the same password using multiple algorithms, if supported.

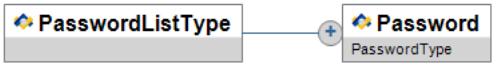

Figure A.572-1: PasswordListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PasswordListType	O		Allows a provider or publisher to specify the same password using multiple algorithms, if supported.	List
	Password	MR		A representation of the user's password using the given algorithm.	PasswordType

Table A.572-1: PasswordListType

A.573 PasswordType

A representation of the user's password using the given algorithm.

Figure A.573-1: PasswordType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PasswordType			A representation of the user's password using the given algorithm.	xs:base64Binary xs:maxLength 255
@	Algorithm	M		The method used to encrypt the user's password. See the implementation details below.	xs:token
@	AlgorithmCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
@	KeyName	M		The name of the key to be used for decryption of the password. Left blank for plain, encoded text (Algorithm attribute value of "base64") and hash algorithms.	xs:normalizedString xs:maxLength 64

Table A.573-1: PasswordType

A.574 PayRateListType

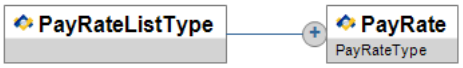

Figure A.574-1: PayRateListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PayRateListType				List
	PayRate	MR		Per pay distributions	PayRateType

Table A.574-1: PayRateListType

A.575 PayRateType

Per pay distributions

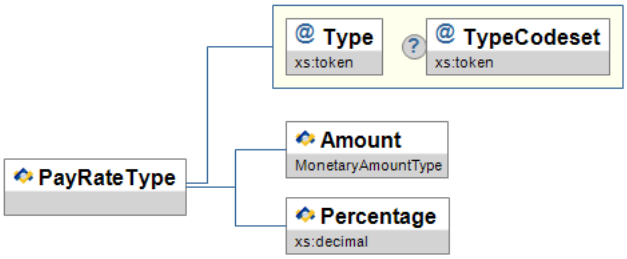

Figure A.575-1: PayRateType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PayRateType			Per pay distributions	
@	Type	M		Type of pay	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Amount	M		Pay amount.	MonetaryAmountType
	Percentage	M		Percentage of pay this represents.	xs:decimal

Table A.575-1: PayRateType

A.576 PerformanceIndicatorListType

The specific measurement goals at the end of the intervention that each student should reach.

Figure A.576-1: PerformanceIndicatorListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PerformanceIndicatorListType			The specific measurement goals at the end of the intervention that each student should reach.	List
	PerformanceIndicator	MR		The specific measurement goal at the end of the intervention that each student should reach.	xs:normalizedString

Table A.576-1: PerformanceIndicatorListType

A.577 PerformanceLevelListType

Performance Levels are an ordered set of categories that indicate the achievement level of a person on an assessment.

Figure A.577-1: PerformanceLevelListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PerformanceLevelListType			Performance Levels are an ordered set of categories that indicate the achievement level of a person on an assessment.	List
	PerformanceLevel	OR		Defines cut scores for placing students in an appropriate performance level.	PerformanceLevelType

Table A.577-1: PerformanceLevelListType

A.578 PerformanceLevelType

Defines cut scores for placing students in an appropriate performance level.

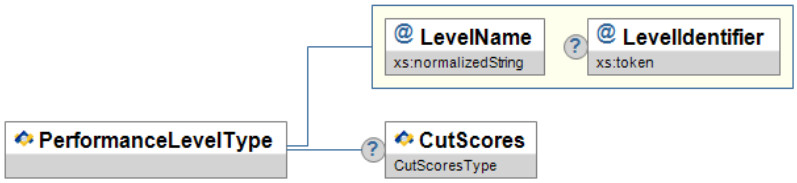

Figure A.578-1: PerformanceLevelType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PerformanceLevelType			Defines cut scores for placing students in an appropriate performance level.	
@	LevelName	M	000718 https://ceds.ed.gov/element/000718	The name of the performance level.	xs:normalizedString
@	LevelIdentifier	O	000717 https://ceds.ed.gov/element/000717	A unique number or alphanumeric code assigned to an assessment performance level.	xs:token

Element/@Attribute	Char	CEDS Id/URL	Description	Type
CutScores	O		Score bounds for the performance level.	CutScoresType

Table A.578-1: PerformanceLevelType

A.579 PeriodType

Period between two dates.

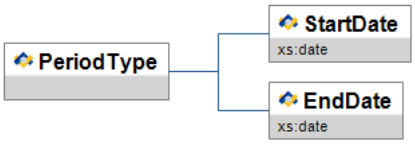

Figure A.579-1: PeriodType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
PeriodType			Period between two dates.	
StartDate	M		Start date.	xs:date
EndDate	M		End date.	xs:date

Table A.579-1: PeriodType

A.580 PermissionToParticipateListType

Figure A.580-1: PermissionToParticipateListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
PermissionToParticipateListType	O			List
PermissionToParticipate	OR		The .	PermissionToParticipateType

Table A.580-1: PermissionToParticipateListType

A.581 PermissionToParticipateType

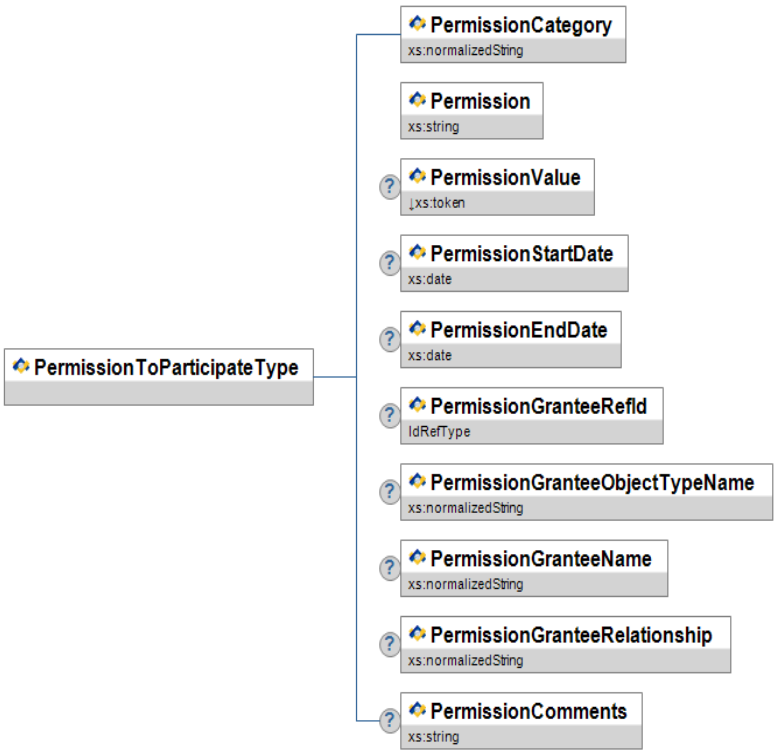

Figure A.581-1: PermissionToParticipateType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
PermissionToParticipateType				
PermissionCategory	M		What is the category of permission	xs:normalizedString
Permission	M		What is the Permission?	xs:string
PermissionValue	O		Permission or not?	values: Y Yes N No U Unknown
PermissionStartDate	O		Start Date Associated with Permission	xs:date
PermissionEndDate	O		End Date Associated with Permission	xs:date
PermissionGranteeRefId	O		RefId of the person granting permission if known.	IdRefType
PermissionGranteeObjectTypeName	O		The name of the object referenced.	xs:normalizedString
PermissionGranteeName	O		The name of the person. Only to be used when a SIF reference object not available.	xs:normalizedString
PermissionGranteeRelationship	O		The relationship of the person. Only to be used when a SIF reference object not available.	xs:normalizedString
PermissionComments	O		Comments Associated with Permission	xs:string

Table A.581-1: PermissionToParticipateType

A.582 PersonIdType

The state-assigned identifier for this person. This will probably not be the same State Province Id as the one assigned to the various roles such as StudentPersonal.

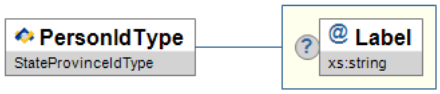

Figure A.582-1: PersonIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PersonIdType			The state-assigned identifier for this person. This will probably not be the same State Province Id as the one assigned to the various roles such as StudentPersonal.	StateProvinceIdType
@	Label	O		The label associated with this id for instance: "MPI ID" or "P20ID".	xs:string

Table A.582-1: PersonIdType

A.583 PersonInfoType

A wrapper element for information that describes a generic person. This element may be used as a basic building block for person-type objects.

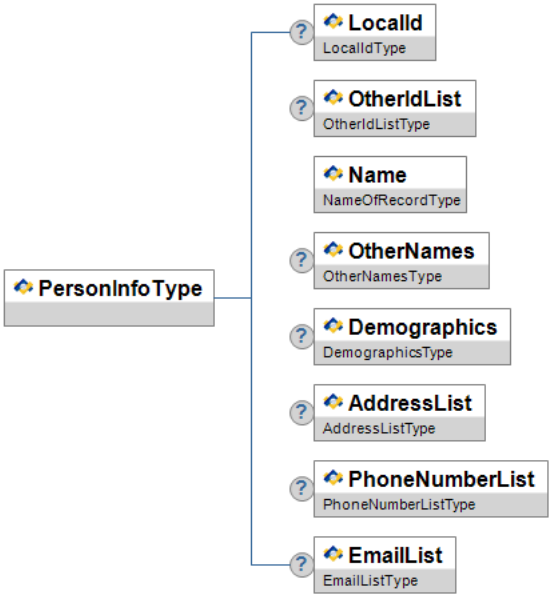

Figure A.583-1: PersonInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PersonInfoType			A wrapper element for information that describes a generic person. This element may be used as a basic building block for person-type objects.	
	LocalId	O		The locally-assigned identifier for this person. Note: LocalId may be used as a unique person identifier rather than a unique contact identifier. In this case there may be more than one object instance with the same LocalId.	LocalIdType
	OtherIdList	O		Lists all "other" identifiers associated with the person.	OtherIdListType
	Name	M		The name of the person. Note: Type attribute value of 04 must be used here.	NameOfRecordType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
OtherNames	O		Previous, alternate or other names or aliases associated with the person.	OtherNamesType
Demographics	O		This element contains information related to person's demographics.	DemographicsType
AddressList	O		The person's address(es).	AddressListType
PhoneNumberList	O		The person's phone number(s).	PhoneNumberListType
EmailList	O		The person's e-mail address(es).	EmailListType

Table A.583-1: PersonInfoType

JSON


```
{
  "PersonInfo": {
    "Name": {
      "Type": "04",
      "LastName": "Johnson",
      "FirstName": "Alicia"
    },
    "Demographics": {
      "Gender": {
        "value": "F"
      }
    },
    "AddressList": {
      "Address": [
        {
          "Type": "0123",
          "Street": {
            "Line1": "6799 33rd Ave.",
            "StreetNumber": "6799",
            "StreetName": "33rd",
            "StreetType": "Ave."
          },
          "City": "Chicago",
          "StateProvince": {
            "value": "IL"
          },
          "Country": {
            "value": "US"
          },
          "PostalCode": "60660"
        }
      ]
    },
    "PhoneNumberList": {
      "PhoneNumber": [
        {
          "Type": "0096",
          "Number": "(604) 555-1212"
        }
      ]
    },
    "EmailList": {
      "Email": [
        {
          "Type": "Primary",
          "value": "contact@sifinfo.org"
        }
      ]
    }
  }
}
```


XML

```
<PersonInfo>
  <Name Type="04">
    <LastName>Johnson</LastName>
    <FirstName>Alicia</FirstName>
  </Name>
  <Demographics>
    <Gender>F</Gender>
  </Demographics>
  <AddressList>
    <Address Type="0123">
      <Street>
        <Line1>6799 33rd Ave.</Line1>
        <StreetNumber>6799</StreetNumber>
        <StreetName>33rd</StreetName>
        <StreetType>Ave.</StreetType>
      </Street>
      <City>Chicago</City>
      <StateProvince>IL</StateProvince>
      <Country>US</Country>
      <PostalCode>60660</PostalCode>
    </Address>
  </AddressList>
  <PhoneNumberList>
    <PhoneNumber Type="0096">
      <Number>(604) 555-1212</Number>
    </PhoneNumber>
  </PhoneNumberList>
  <EmailList>
    <Email Type="Primary">contact@sifinfo.org</Email>
  </EmailList>
</PersonInfo>
```

Example A.583-1: PersonInfoType

A.584 PhoneNumberListType

Lists phone numbers associated with an entity.

Figure A.584-1: PhoneNumberListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PhoneNumberListType			Lists phone numbers associated with an entity.	ActionList (PhoneNumber/@Type)
	PhoneNumber	MR			Extension of PhoneNumberType
@	SIF_Action	O		In a Change event, this flag can be used to indicate an element has been deleted from the parent list container. At a minimum the key for the list must also be present.	values: Delete

Table A.584-1: PhoneNumberListType

JSON

```
{
  "PhoneNumberList": {
    "PhoneNumber": [
      {
        "Type": "0096",
        "Number": "(555) 555-0103"
      }
    ]
  }
}
```

XML

```
<PhoneNumberList>
  <PhoneNumber Type="0096">
    <Number>(555) 555-0103</Number>
  </PhoneNumber>
</PhoneNumberList>
```

Example A.584-1: PhoneNumberListType

A.585 PhoneNumberType

This element represents a phone number and occurs within objects such as StudentPersonal, StaffPersonal, etc.

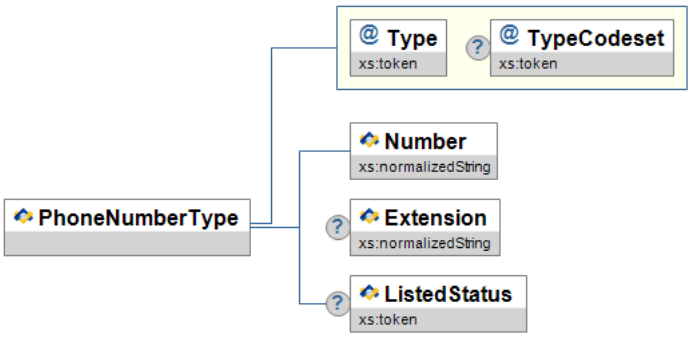

Figure A.585-1: PhoneNumberType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PhoneNumberType			This element represents a phone number and occurs within objects such as StudentPersonal, StaffPersonal, etc.	
@	Type	M	000280 https://ceds.ed.gov/element/000280	Code that specifies what type of phone number this is. Note: A subset of valid values may be specified in data objects.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Number	M	000279 https://ceds.ed.gov/element/000279	Phone number. Free-form, but typical U.S. formats include: • (###) ###-#### • ###-####	xs:normalizedString
	Extension	O	000279 https://ceds.ed.gov/element/000279	Phone number extension.	xs:normalizedString
	ListedStatus	O		Indicates whether or not the phone number is available to the public.	xs:token

Table A.585-1: PhoneNumberType

JSON

```
{
  "PhoneNumber": {
    "Type": "0096",
    "Number": "(312) 555-1234",
    "Extension": "245"
  }
}
```

XML

```
<PhoneNumber Type="0096">
  <Number>(312) 555-1234</Number>
  <Extension>245</Extension>
</PhoneNumber>
```

Example A.585-1: PhoneNumberType

A.586 PictureSourceType

This element defines the picture. If the Type attribute is URL, this is the location of the picture in [JPEG] format; if Type is JPEG, this is the [JPEG] image data encoded using the Base64 Content-Transfer-Encoding defined in Section 6.8 of [RFC 2045].

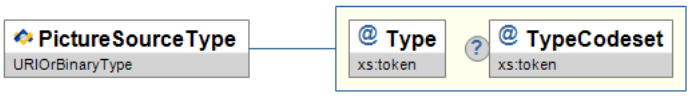

Figure A.586-1: PictureSourceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PictureSourceType	M		This element defines the picture. If the Type attribute is URL, this is the location of the picture in [JPEG] format; if Type is JPEG, this is the [JPEG] image data encoded using the Base64 Content-Transfer-Encoding defined in Section 6.8 of [RFC 2045].	URIOrBinaryType
@	Type	M		The way the picture is specified.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.586-1: PictureSourceType

A.587 PrerequisiteListType

Skills or competencies the student must have to engage in activity or assignment.

Figure A.587-1: PrerequisiteListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PrerequisiteListType			Skills or competencies the student must have to engage in activity or assignment.	List
	Prerequisite	OR		Skill or competency the student must have to engage in activity or assignment.	xs:string

Table A.587-1: PrerequisiteListType

A.588 PrimaryAssignmentType

Is this the person's primary assignment?

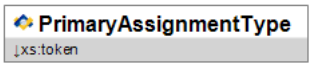

Figure A.588-1: PrimaryAssignmentType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PrimaryAssignmentType			Is this the person's primary assignment?	values: Yes No

Table A.588-1: PrimaryAssignmentType

A.589 PrincipalInfoType

Information about the school's principal.

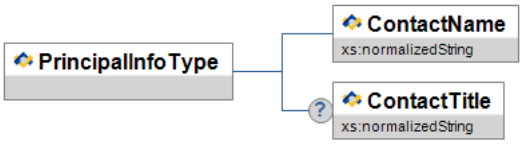

Figure A.589-1: PrincipalInfoType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
PrincipalInfoType	O		Information about the school's principal.	
ContactName	M		The name of the principal.	xs:normalizedString
ContactTitle	O		The principal's title.	xs:normalizedString

Table A.589-1: PrincipalInfoType

A.590 ProgramAvailabilityListType

Figure A.590-1: ProgramAvailabilityListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ProgramAvailabilityListType				List
ProgramAvailability	MR			ProgramAvailabilityType

Table A.590-1: ProgramAvailabilityListType

A.591 ProgramAvailabilityType

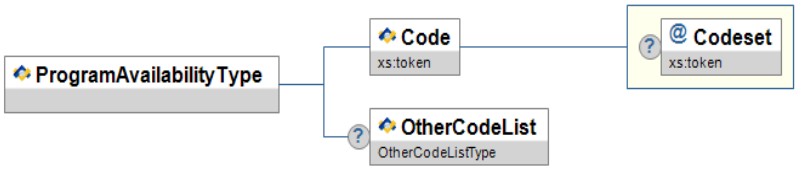

Figure A.591-1: ProgramAvailabilityType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ProgramAvailabilityType	O			
	Code	M		Describes the availability of the program.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.591-1: ProgramAvailabilityType

A.592 ProgramExitReasonType

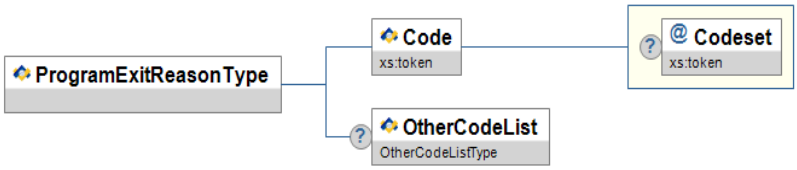

Figure A.592-1: ProgramExitReasonType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ProgramExitReasonType	O			

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Code	M	000260 https://ceds.ed.gov/element/000260	Review by program / state. May be required if student has exited the program.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.592-1: ProgramExitReasonType

A.593 ProgramFundingSourceListType

Figure A.593-1: ProgramFundingSourceListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ProgramFundingSourceListType				List
	ProgramFundingSource	MR			ProgramFundingSourceType

Table A.593-1: ProgramFundingSourceListType

A.594 ProgramFundingSourceType

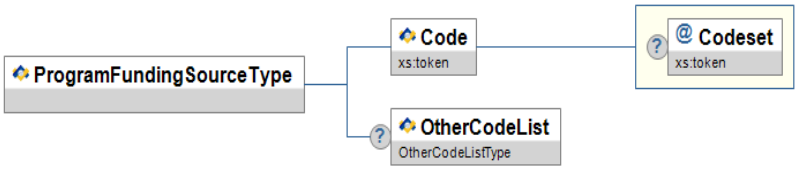

Figure A.594-1: ProgramFundingSourceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ProgramFundingSourceType				
	Code	M		Funding source for the program, may be more than one.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.594-1: ProgramFundingSourceType

A.595 ProgramPlanTypeType

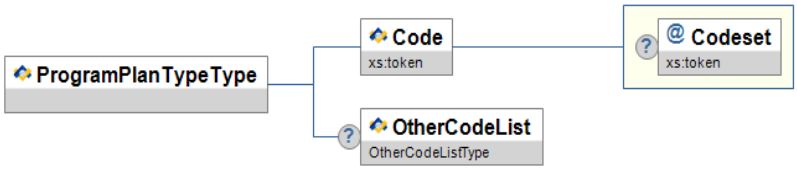

Figure A.595-1: ProgramPlanTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ProgramPlanTypeType				
	Code	M	000469 https://ceds.ed.gov/element/000469	The document that outlines the student program/plan as approved by parents, guardians, and staff.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.595-1: ProgramPlanTypeType

A.596 ProgramStatusType

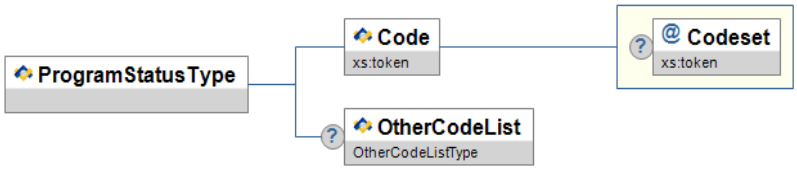

Figure A.596-1: ProgramStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ProgramStatusType				
	Code	M		The current status of the student's program participation.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.596-1: ProgramStatusType

JSON

```
{
  "ProgramStatus": {
    "Code": {
      "value": "S004"
    }
  }
}
```

XML

```
<ProgramStatus>
  <Code>S004</Code>
</ProgramStatus>
```

Example A.596-1: ProgramStatusType

A.597 ProgramTypeType

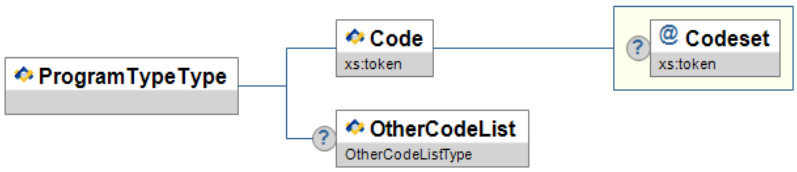

Figure A.597-1: ProgramTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ProgramTypeType				
	Code	M		Identifies the individualized program for which the student's participation is described in this instance.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	OtherCodeList	O			OtherCodeListType

Table A.597-1: ProgramTypeType

JSON

```
{
  "ProgramType": {
    "Code": {
      "value": "0270"
    },
    "OtherCodeList": {
      "OtherCode": [
        {
          "Codeset": "StateProvince",
          "value": "0839"
        }
      ]
    }
  }
}
```

XML

```
<ProgramType>
  <Code>0270</Code>
  <OtherCodeList>
    <OtherCode Codeset="StateProvince">0839</OtherCode>
  </OtherCodeList>
</ProgramType>
```

Example A.597-1: ProgramTypeType

A.598 ProjectedGraduationYearType

Currently projected graduation year.

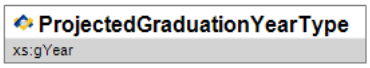

Figure A.598-1: ProjectedGraduationYearType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ProjectedGraduationYearType			Currently projected graduation year (CCYY).	xs:gYear

Table A.598-1: ProjectedGraduationYearType

JSON

```
{
  "ProjectedGraduationYear": "2006"
}
```

XML

```
<ProjectedGraduationYear>2006</ProjectedGraduationYear>
```

Example A.598-1: ProjectedGraduationYearType

A.599 PromotionInfoType

Information on a student's promotion, retention, or demotion related to this enrollment instance.

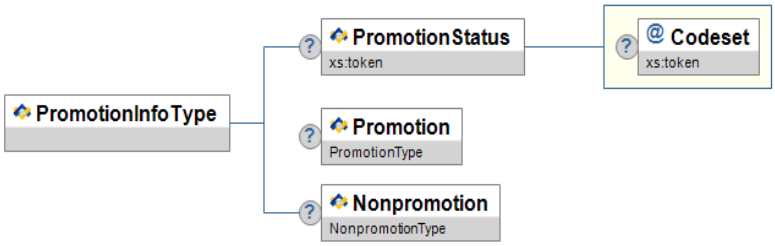

Figure A.599-1: PromotionInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PromotionInfoType	O		Information on a student's promotion, retention, or demotion related to this enrollment instance.	
	PromotionStatus	O		This value should be set if this enrollment instance is closed for an end-of-year closeout or a mid-year promotion or demotion. A value other than NA should be specified when the enrollment instance represents an end-of-year closeout or mid-year promotion/demotion.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Promotion	O		This element is mutually exclusive with Nonpromotion, and its child elements should only be populated if the value of PromotionStatus is "Promoted".	PromotionType
	Nonpromotion	O		This element is mutually exclusive with Promotion, and its child elements should only be populated if the value of PromotionStatus is "Retained" or "Demoted".	NonpromotionType

Table A.599-1: PromotionInfoType

A.600 PromotionType

This element is mutually exclusive with Nonpromotion, and its child elements should only be populated if the value of PromotionStatus is "Promoted".

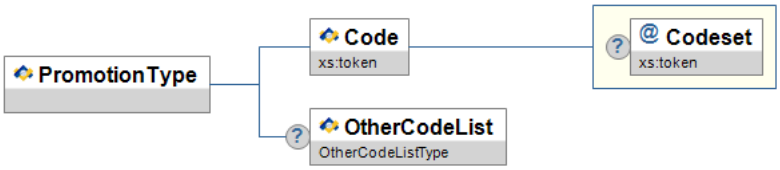

Figure A.600-1: PromotionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PromotionType	O		This element is mutually exclusive with Nonpromotion, and its child elements should only be populated if the value of PromotionStatus is "Promoted".	
	Code	M	000530 https://ceds.ed.gov/element/000530	The reason the student was promoted. This element should only be populated if the value of PromotionStatus is "Promoted".	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.600-1: PromotionType

A.601 PublishInDirectoryType

This is a common element used to specify whether or not information (e.g., contact information) should be published in a directory. It is used in the SchoolInfo and LEAInfo objects.

Figure A.601-1: PublishInDirectoryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
PublishInDirectoryType			Indicates whether or not information should be published in a directory.	values: Yes No

Table A.601-1: PublishInDirectoryType

JSON

```
{
  "PublishInDirectory": "Yes"
}
```

XML

```
<PublishInDirectory>Yes</PublishInDirectory>
```

Example A.601-1: PublishInDirectoryType

A.602 PurchasingItemListType

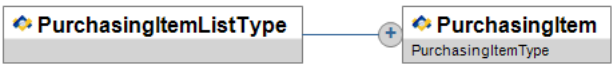

Figure A.602-1: PurchasingItemListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
PurchasingItemListType				List
PurchasingItem	MR		Contains information about the item being purchased.	PurchasingItemType

Table A.602-1: PurchasingItemListType

A.603 PurchasingItemType

Contains information about the item being purchased.

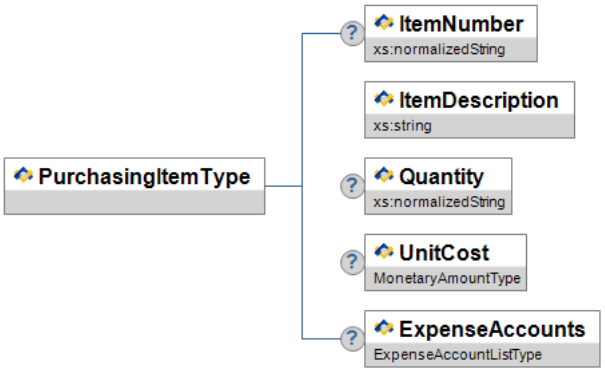

Figure A.603-1: PurchasingItemType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
PurchasingItemType			Contains information about the item being purchased.	
ItemNumber	O		Vendor item number.	xs:normalizedString

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ItemDescription	M		Description of the item.	xs:string
	Quantity	O		Quantity ordered.	xs:normalizedString
	UnitCost	O		Unit cost of the item.	MonetaryAmountType
	ExpenseAccounts	O			ExpenseAccountListType

Table A.603-1: PurchasingItemType

A.604 RaceCodeType

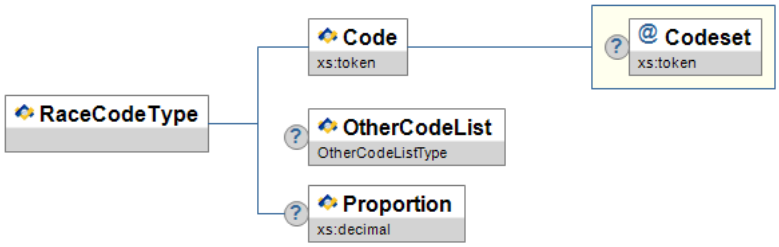

Figure A.604-1: RaceCodeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RaceCodeType	MR			
	Code	M	001943 https://ceds.ed.gov/element/001943	The general racial category which reflects the individual's recognition of his or her community or with which the individual most identifies. In a given SIF implementation Agents must have alignment on the use of the NCES and deprecated SPEEDE code sets. Agents are not required to translate between the code sets.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType
	Proportion	O		A percentage associated with the race.	xs:decimal

Table A.604-1: RaceCodeType

A.605 RaceListType

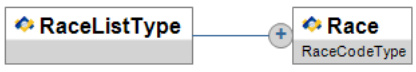

Figure A.605-1: RaceListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RaceListType				List
	Race	MR			RaceCodeType

Table A.605-1: RaceListType

JSON

```
{
  "RaceList": {
    "Race": [
      {
        "Code": {
          "value": "1002"
        }
      }
    ]
  }
}
```

XML

```
<RaceList>
  <Race>
    <Code>1002</Code>
  </Race>
</RaceList>
```

Example A.605-1: RaceListType

A.606 ReadingDataEnergyUnitsType

One of enumerated list of unit types for energy readings (temperature, electrical energy usage, gas usage and the price for both).

Figure A.606-1: ReadingDataEnergyUnitsType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ReadingDataEnergyUnitsType	M		One of enumerated list of unit types for energy readings (temperature, electrical energy usage, gas usage and the price for both).	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.606-1: ReadingDataEnergyUnitsType

A.607 RecognitionListType

List of awards and other types of recognition given to the student for this activity.

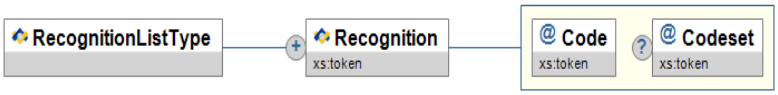

Figure A.607-1: RecognitionListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RecognitionListType	O		List of awards and other types of recognition given to the student for this activity.	List
	Recognition	MR		The nature of recognition given to the student for the successful completion of work in a co-curricular or extra-curricular activity.	xs:token
@	Code	M			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.607-1: RecognitionListType

A.608 ReferenceType

References external content via a URL.

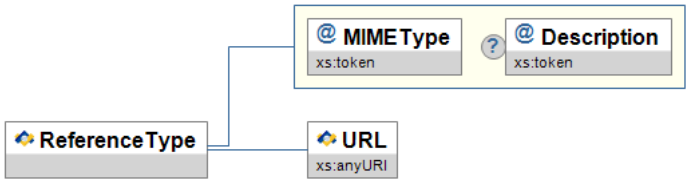

Figure A.608-1: ReferenceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ReferenceType	C		References external content via a URL.	
@	MIMEType	M		MIME type to indicate the content type to be expected when retrieving the external content.	xs:token
@	Description	O		Contains an optional description of the content or a processing hint with regard to its structure (e.g. named standard, file layout or XSD). Contents may be mandated in instances of this type, or types that follow the `AbstractContentPackageType` pattern.	xs:token
	URL	M		Location of external content.	xs:anyURI

Table A.608-1: ReferenceType

A.609 ReferralSourceType

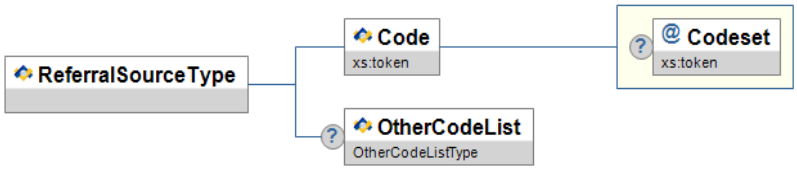

Figure A.609-1: ReferralSourceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ReferralSourceType	O			
	Code	M		The method by which a student was identified for referral to a particular program.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.609-1: ReferralSourceType

A.610 RefIdType

An object or element identifier.

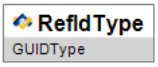

Figure A.610-1: RefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RefIdType			An object or element identifier.	GUIDType

Table A.610-1: RefIdType

A.611 RegionOrganizationListType

A list of indicators connecting the LEA to regions or organizational constructs.

Figure A.611-1: RegionOrganizationListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
RegionOrganizationListType	O		A list of indicators connecting the LEA to regions or organizational constructs.	List
RegionOrganization	MR		Indicator of grouping by region or other organizational construct.	RegionOrganizationType

Table A.611-1: RegionOrganizationListType

A.612 RegionOrganizationType

Indicator of grouping by region or other organizational construct.

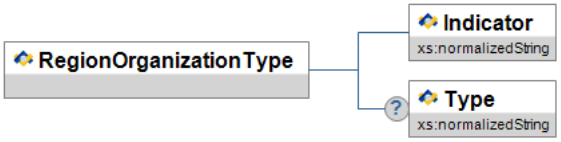

Figure A.612-1: RegionOrganizationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
RegionOrganizationType	M		Indicator of grouping by region or other organizational construct.	
Indicator	M		The region or organization that the LEA belongs to.	xs:normalizedString
Type	O		The type of the paired indicator so that many of diffrent types my exist and be properly understood.	xs:normalizedString

Table A.612-1: RegionOrganizationType

A.613 RelatedLearningStandardItemRefIdListType

Associated `LearningStandardItem` objects, capturing the type of relation.

Figure A.613-1: RelatedLearningStandardItemRefIdListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
RelatedLearningStandardItemRefIdListType			Associated `LearningStandardItem` objects, capturing the type of relation.	List
LearningStandardItemRefId	OR		Link to associated LearningStandardItem object.	RelatedLearningStandardItemRefIdType

Table A.613-1: RelatedLearningStandardItemRefIdListType

A.614 RelatedLearningStandardItemRefIdType

Link to associated LearningStandardItem object.

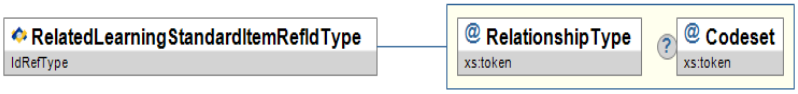

Figure A.614-1: RelatedLearningStandardItemRefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RelatedLearningStandardItemRefIdType	OR		Link to associated LearningStandardItem object.	IdRefType
@	RelationshipType	M		Type of the relationship between the current standard and the target standard. The value identifies the type of standard of the target item. The purpose of this information is to allow applications to sort/display these relationships in the appropriate context.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.614-1: RelatedLearningStandardItemRefIdType

A.615 RelatedToListType

List of categories to which the incident is related.

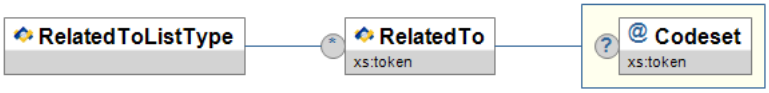

Figure A.615-1: RelatedToListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RelatedToListType	O		List of categories to which the incident is related.	List
	RelatedTo	OR	000509 https://ceds.ed.gov/element/000509	Identifies if incident was related to a specific category.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.615-1: RelatedToListType

A.616 RelationshipType

Code that defines the relationship of one person to another.

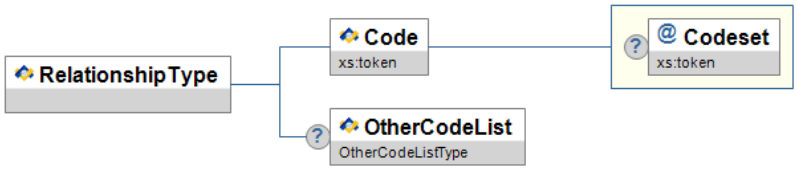

Figure A.616-1: RelationshipType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RelationshipType			Code that defines the relationship of one person to another.	
	Code	M	000721 https://ceds.ed.gov/element/000721	Code representing the relationship.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.616-1: RelationshipType

JSON

```
{
  "Relationship": {
    "Code": {
      "value": "1735"
    }
  }
}
```

XML

```
<Relationship>
  <Code>1735</Code>
</Relationship>
```

Example A.616-1: RelationshipType

A.617 RemoteLearningLocationProfileInternetAccessBarrierType

An indication of the barrier to having internet access in the student's primary place of residence.

If the student is unable to access the internet in their primary place of residence, why not?

Figure A.617-1: RemoteLearningLocationProfileInternetAccessBarrierType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RemoteLearningLocationProfileInternetAccessBarrierType	O		An indication of the barrier to having internet access in the student's primary place of residence. If the student is unable to access the internet in their primary place of residence, why not?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.617-1: RemoteLearningLocationProfileInternetAccessBarrierType

A.618 RemoteLearningLocationProfileInternetAccessType

An indication of whether the student is able to access the internet in their primary place of residence.

Can the student access the internet in their primary place of residence?

Figure A.618-1: RemoteLearningLocationProfileInternetAccessType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RemoteLearningLocationProfileInternetAccessType	O		An indication of whether the student is able to access the internet in their primary place of residence. Can the student access the internet in their primary place of residence?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.618-1: RemoteLearningLocationProfileInternetAccessType

A.619 RemoteLearningLocationProfileInternetAccessTypeType

The primary type of internet service used in the student's primary place of residence.

What is the primary type of internet service used in the student's primary place of residence?

Figure A.619-1: RemoteLearningLocationProfileInternetAccessTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RemoteLearningLocationProfileInternetAccessTypeType	O		The primary type of internet service used in the student's primary place of residence. What is the primary type of internet service used in the student's primary place of residence?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.619-1: RemoteLearningLocationProfileInternetAccessTypeType

A.620 RemoteLearningLocationProfileInternetPerformanceType

An indication of whether the student can complete the full range of learning activities, including video streaming and assignment upload, without interruptions caused by poor internet performance in their primary place of residence.

Can the student complete learning activities such as streaming a video and uploading assignments without interruptions caused by poor internet performance?

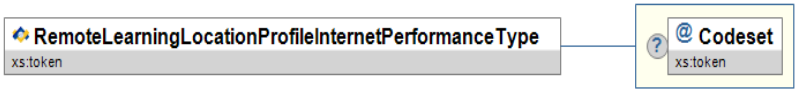

Figure A.620-1: RemoteLearningLocationProfileInternetPerformanceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RemoteLearningLocationProfileInternetPerformanceType	O		An indication of whether the student can complete the full range of learning activities, including video streaming and assignment upload, without interruptions caused by poor internet performance in their primary place of residence. Can the student complete learning activities such as streaming a video and uploading assignments without interruptions caused by poor internet performance?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.620-1: RemoteLearningLocationProfileInternetPerformanceType

A.621 RemoteLearningLocationProfileListType

For conveying Remote Learning capabilities.

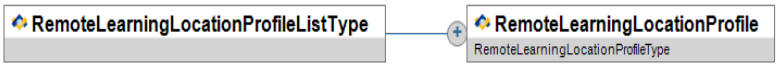

Figure A.621-1: RemoteLearningLocationProfileListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
RemoteLearningLocationProfileListType			For conveying Remote Learning capabilities.	List
RemoteLearningLocationProfile	MR			RemoteLearningLocationProfileType

Table A.621-1: RemoteLearningLocationProfileListType

A.622 RemoteLearningLocationProfilePrimaryIndicatorType

Is this the primary learning location?

Figure A.622-1: RemoteLearningLocationProfilePrimaryIndicatorType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
RemoteLearningLocationProfilePrimaryIndicatorType			Is this the primary learning location?	values: Yes No

Table A.622-1: RemoteLearningLocationProfilePrimaryIndicatorType

JSON

```
{
  "PrimaryIndicator": "Yes"
}
```

XML

```
<PrimaryIndicator>Yes</PrimaryIndicator>
```

Example A.622-1: RemoteLearningLocationProfilePrimaryIndicatorType

A.623 RemoteLearningLocationProfilePrimaryLearningDeviceAccessType

An indication of whether the primary learning device is shared or not shared with another individual.

Is the student's primary learning device shared with anyone else?

Figure A.623-1: RemoteLearningLocationProfilePrimaryLearningDeviceAccessType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
RemoteLearningLocationProfilePrimaryLearningDeviceAccessType	O		An indication of whether the primary learning device is shared or not shared with another individual. Is the student's primary learning device shared with anyone else?	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.623-1: RemoteLearningLocationProfilePrimaryLearningDeviceAccessType

A.624 RemoteLearningLocationProfilePrimaryLearningDeviceProviderType

The provider of the primary learning device.

Who provided the primary learning device to the student?

Figure A.624-1: RemoteLearningLocationProfilePrimaryLearningDeviceProviderType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RemoteLearningLocationProfilePrimaryLearningDeviceProviderType	O		The provider of the primary learning device. Who provided the primary learning device to the student?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.624-1: RemoteLearningLocationProfilePrimaryLearningDeviceProviderType

A.625 RemoteLearningLocationProfilePrimaryLearningDeviceType

The type of device the student uses most often to complete learning activities away from school.

What device does the student most often use to complete learning activities away from school?

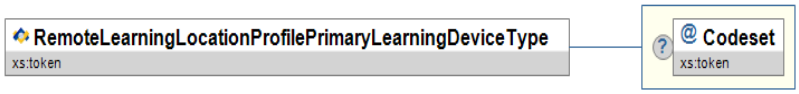

Figure A.625-1: RemoteLearningLocationProfilePrimaryLearningDeviceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RemoteLearningLocationProfilePrimaryLearningDeviceType	O		The type of device the student uses most often to complete learning activities away from school. What device does the student most often use to complete learning activities away from school?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.625-1: RemoteLearningLocationProfilePrimaryLearningDeviceType

A.626 RemoteLearningLocationProfileType

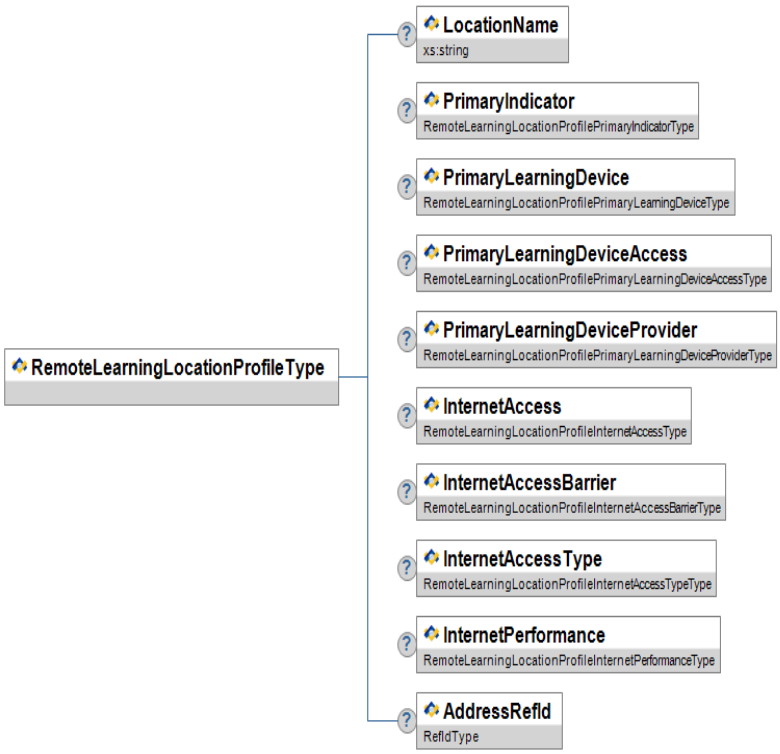

Figure A.626-1: RemoteLearningLocationProfileType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
RemoteLearningLocationProfileType				
LocationName	O		A quick label describing the location the Remote Learning Location Profile is for. ex: Dad's House	xs:string
PrimaryIndicator	O		Is this the primary learning location?	RemoteLearningLocationProfilePrimaryIndicatorType values: Yes No
PrimaryLearningDevice	O		The type of device the student uses most often to complete learning activities away from school. What device does the student most often use to complete learning activities away from school?	RemoteLearningLocationProfilePrimaryLearningDeviceType
PrimaryLearningDeviceAccess	O		An indication of whether the primary learning device is shared or not shared with another individual. Is the student's primary learning device shared with anyone else?	RemoteLearningLocationProfilePrimaryLearningDeviceAccessType
PrimaryLearningDeviceProvider	O		The provider of the primary learning device. Who provided the primary learning device to the student?	RemoteLearningLocationProfilePrimaryLearningDeviceProviderType
InternetAccess	O		An indication of whether the student is able to access the internet in their primary place of residence. Can the student access the internet in their primary place of residence?	RemoteLearningLocationProfileInternetAccessType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
InternetAccessBarrier	O		An indication of the barrier to having internet access in the student's primary place of residence. If the student is unable to access the internet in their primary place of residence, why not?	RemoteLearningLocationProfileInternetAccessBarrierType
InternetAccessType	O		The primary type of internet service used in the student's primary place of residence. What is the primary type of internet service used in the student's primary place of residence?	RemoteLearningLocationProfileInternetAccessTypeType
InternetPerformance	O		An indication of whether the student can complete the full range of learning activities, including video streaming and assignment upload, without interruptions caused by poor internet performance in their primary place of residence. Can the student complete learning activities such as streaming a video and uploading assignments without interruptions caused by poor internet performance?	RemoteLearningLocationProfileInternetPerformanceType
AddressRefId	O		Reference to an Address object or instance (see AddressList in this object.)	RefIdType

Table A.626-1: RemoteLearningLocationProfileType

A.627 ReportDataObjectType

A SIF XML object.

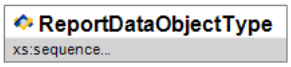

Figure A.627-1: ReportDataObjectType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ReportDataObjectType			A SIF XML object.	<xs:sequence> <xs:any processContents="lax" minOccurs="0" maxOccurs="unbounded" /> </xs:sequence>

Table A.627-1: ReportDataObjectType

A.628 ReportFormatListType

An optional list of one or more third-party formats that describe the visual representation of the report data. If more than one report format is associated with a manifest, the implementation can choose the most applicable format by examining the ContentType attribute.

Figure A.628-1: ReportFormatListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ReportFormatListType	O		An optional list of one or more third-party formats that describe the visual representation of the report data. If more than one report format is associated with a manifest, the implementation can choose the most applicable format by examining the ContentType attribute.	List
ReportFormat	MR		A third-party format that describes the visual representation of the report data.	ReportFormatType

Table A.628-1: ReportFormatListType

A.629 ReportFormatType

A third-party format that describes the visual representation of the report data.

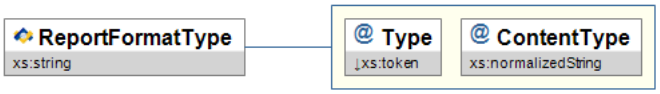

Figure A.629-1: ReportFormatType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ReportFormatType	MR		A third-party format that describes the visual representation of the report data.	xs:string
@	Type	M		This attribute indicates the encoding of the format reference.	values: URL Embedded Base64Binary
@	ContentType	M		The vendor-defined content type (e.g. com.vendor.format, PDF, etc.	xs:normalizedString

Table A.629-1: ReportFormatType

A.630 ReportInfoType

Identifies the manifest for the report and characteristics of the submission. This element is a conditional element. This element, the ReportData element, or the SIF_ExtendedQueryResults element is included but never more than one at the same time within an instance of this object. See examples of the usage of the object below.

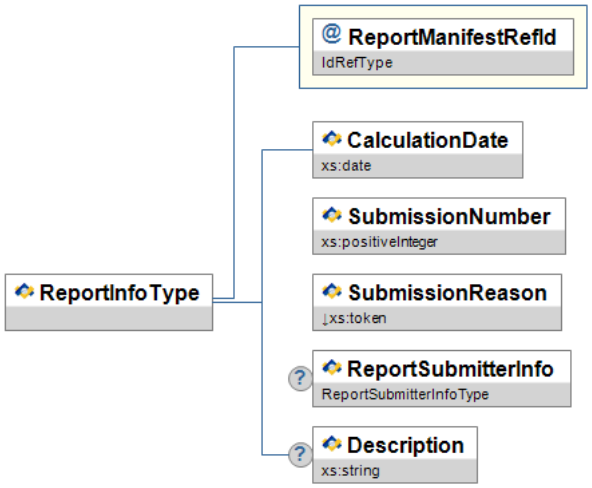

Figure A.630-1: ReportInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ReportInfoType			Identifies the manifest for the report and characteristics of the submission. This element is a conditional element. This element, the ReportData element, or the SIF_ExtendedQueryResults element is included but never more than one at the same time within an instance of this object. See examples of the usage of the object below.	
@	ReportManifestRefId	M		The report manifest corresponding to this report.	IdRefType
	CalculationDate	M		The date on which the report was calculated.	xs:date
	SubmissionNumber	M		A number that identifies the submission; beginning at 1 and incremented each time a submission is done for a particular report; used to indicate resubmission(s).	xs:positiveInteger

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SubmissionReason	M		Reason for the report submission.	values: Initial Correction Revision Addition
	ReportSubmitterInfo	C		Identifies the submitter of the report. This element is conditional depending on the context in which the SIF_ReportObject is used. It must be present in the ReportInfo element when a SIF_ReportObject is sent to a report authority in a SIF_Event message. However, its presence is optional in SIF_ReportObject packets delivered to report authorities in SIF_Response messages.	ReportSubmitterInfoType
	Description	O			xs:string

Table A.630-1: ReportInfoType

A.631 ReportingPeriodType

Information on the period of time over which the report spans.

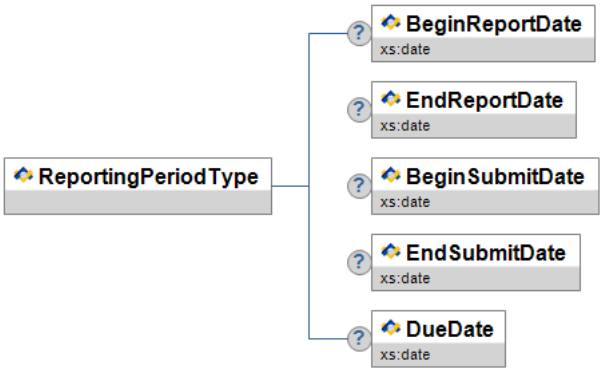

Figure A.631-1: ReportingPeriodType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ReportingPeriodType	O		Information on the period of time over which the report spans.	
	BeginReportDate	O		The first date for which the report contains information.	xs:date
	EndReportDate	O		The last date for which the report contains information. May be the same as BeginReportDate for snapshot-type reports.	xs:date
	BeginSubmitDate	O		The first date on which the report may be submitted to the authority.	xs:date
	EndSubmitDate	O		The last date on which the report may be submitted to the authority.	xs:date
	DueDate	O		The official due date of the report.	xs:date

Table A.631-1: ReportingPeriodType

A.632 ReportPackageType

This package has exactly the same structure as `AbstractContentPackageType`. `ReportPackage` can be used in addition to SIF objects specifically in reporting situations within `SIF_ReportObject`. At this time, it is not a SIF object. It cannot be requested via `SIF_Query` or `SIF_ExtendedQuery` in a `ReportManifest`. It may be included in `SIF_ReportObject` as part of an external report definition.

Figure A.632-1: ReportPackageType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ReportPackageType			This package has exactly the same structure as `AbstractContentPackageType`. `ReportPackage` can be used in addition to SIF objects specifically in reporting situations within `SIF_ReportObject`. At this time, it is not a SIF object. It cannot be requested via `SIF_Query` or `SIF_ExtendedQuery` in a `ReportManifest`. It may be included in `SIF_ReportObject` as part of an external report definition.	Extension of `AbstractContentPackageType`
@	RefId	M		The GUID that uniquely identifies an instance of the package.	`RefIdType`
	XMLData	C		Contains an arbitary XML element, encoded in UTF-8.	`XMLDataType`
	TextData	C		Contains arbitrary text, encoded in UTF-8.	`TextDataType`
	BinaryData	C		Contains the base64Binary encoding of binary or text data not encoded in UTF-8.	`BinaryDataType`
	Reference	C		References external content via a URL.	`ReferenceType`

Table A.632-1: ReportPackageType

A.633 ReportSubmitterInfoType

Identifies the submitter of the report.

This element is conditional depending on the context in which the SIF_ReportObject is used. It must be present in the ReportInfo element when a SIF_ReportObject is sent to a report authority in a SIF_Event message. However, its presence is optional in SIF_ReportObject packets delivered to report authorities in SIF_Response messages.

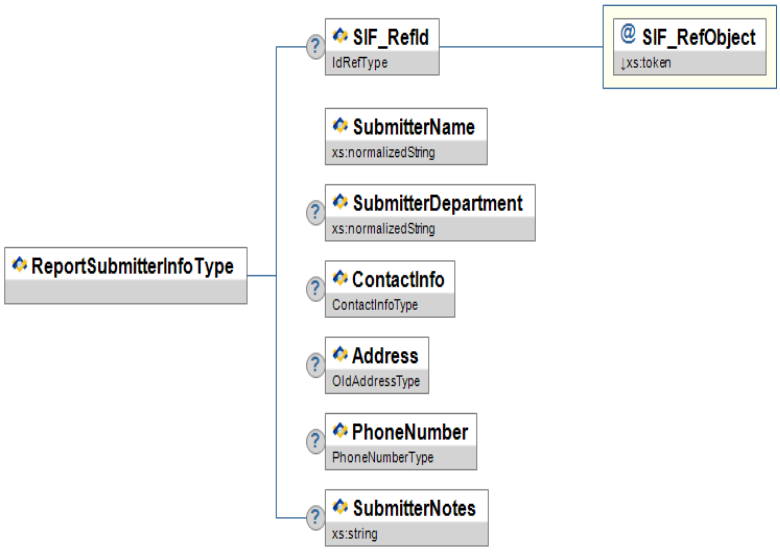

Figure A.633-1: ReportSubmitterInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ReportSubmitterInfoType			Identifies the submitter of the report. This element is conditional depending on the context in which the SIF_ReportObject is used. It must be present in the ReportInfo element when a SIF_ReportObject is sent to a report authority in a SIF_Event message. However, its presence is optional in SIF_ReportObject packets delivered to report authorities in SIF_Response messages.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SIF_RefId	O		If the submitter is described by another SIF data object such as a SchoolInfo or LEAInfo instance, this element references that object by RefId.	IdRefType
@	SIF_RefObject	M		The name of a SIF data object. When used in the context of ReportSubmitterInfo, this attribute must have one of the following values.	values: LEAInfo The submitter of the SIF_ReportObject is the district or other agency referenced by a LEAInfo object SchoolInfo The submitter of the SIF_ReportObject is the school referenced by a SchoolInfo object
	SubmitterName	M		Name of the report submitter. This is a descriptive string that names the entity submitting the SIF_ReportObject to the report authority. It could be the name of an agency, a district, a school, the SIF_SourceId of the submitting agent, or any other string that a report authority could use to identify the submitter of a report. This element may be present regardless of the presence of the SIF_RefId and SIF_RefObject elements. When those elements are used, it is recommended that collector agents reproduce the name of the LEA or school here.	xs:normalizedString
	SubmitterDepartment	O		Department, office, or subdivision of the agency submitting the report.	xs:normalizedString
	ContactInfo	O		Information on the contact person in this agency submitting the report.	ContactInfoType
	Address	O			OldAddressType
	PhoneNumber	O			PhoneNumberType
	SubmitterNotes	O		Optional notes for the report authority, such as information about a district's reporting policies and procedures, instructions for contacting the district for technical support, etc.	xs:string

Table A.633-1: ReportSubmitterInfoType

A.634 ResidencyStatusType

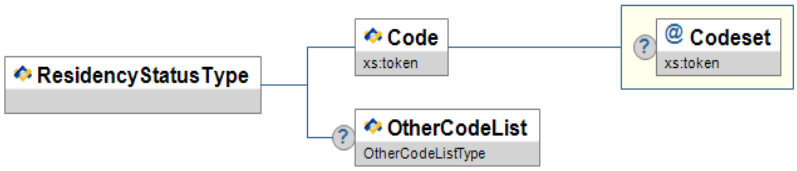

Figure A.634-1: ResidencyStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ResidencyStatusType	M			
	Code	M	000532 https://ceds.ed.gov/element/000532	Location of an individual's legal residence relative to (within or outside) the boundaries of the organization.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.634-1: ResidencyStatusType

A.635 ResourceTypesType

Type of resource

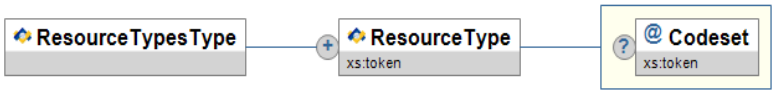

Figure A.635-1: ResourceTypesType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ResourceTypesType	O		Type of resource	List
	ResourceType	MR			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.635-1: ResourceTypesType

A.636 ResponsableLEAListType

Figure A.636-1: ResponsableLEAListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ResponsableLEAListType				List
	ResponsableLEA	MR		LEAs that are responsable for this enrollment.	ResponsableLEAType

Table A.636-1: ResponsableLEAListType

A.637 ResponsableLEAType

LEA that is responsible for a student enrollment.

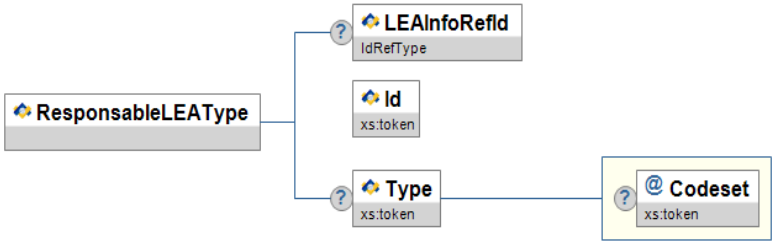

Figure A.637-1: ResponsableLEAType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ResponsableLEAType			LEA that is responsible for a student enrollment.	
	LEAInfoRefId	O		References to one of the LEAInfos that is responsable for this enrollment.	IdRefType
	Id	M	000637 https://ceds.ed.gov/element/000637	Entry in the list of all responsible LEAs for this student.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Type	O	000594 https://ceds.ed.gov/element/000594	The type of responsibility the corisponding LEA has for the student.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.637-1: ResponsableLEAType

A.638 ResponsableSchoolListType

Figure A.638-1: ResponsableSchoolListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ResponsableSchoolListType				List
	ResponsableSchool	MR		Schools that are responsible for this enrollment.	ResponsableSchoolType

Table A.638-1: ResponsableSchoolListType

A.639 ResponsableSchoolType

School that is responsible for a student enrollment.

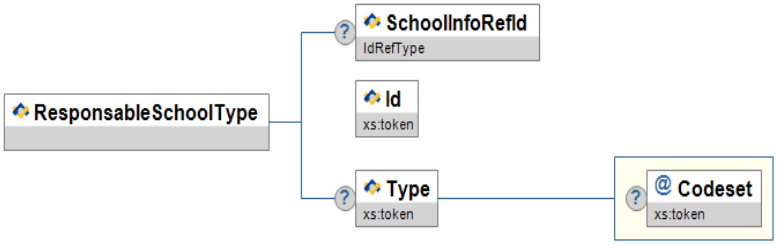

Figure A.639-1: ResponsableSchoolType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ResponsableSchoolType			School that is responsible for a student enrollment.	
	SchoolInfoRefId	O		References to one of the SchoolInfos that is responsable for this enrollment.	IdRefType
	Id	M	000638 https://ceds.ed.gov/element/000638	Entry in the list of all responsible schools for this student.	xs:token
	Type	O	000595 https://ceds.ed.gov/element/000595	The type of responsibility the corisponding school has for the student.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.639-1: ResponsableSchoolType

A.640 ResponseToInterventionMeasurementListType

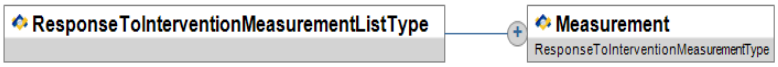

Figure A.640-1: ResponseToInterventionMeasurementListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ResponseToInterventionMeasurementListType	O			List
Measurement	MR			ResponseToInterventionMeasurementType

Table A.640-1: ResponseToInterventionMeasurementListType

A.641 ResponseToInterventionMeasurementType

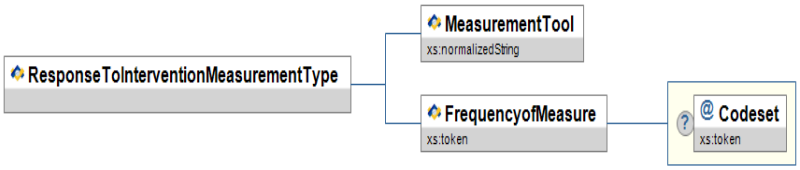

Figure A.641-1: ResponseToInterventionMeasurementType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ResponseToInterventionMeasurementType				
	MeasurementTool	M		The specific tool that will be used to gather data about how the student is improving.	xs:normalizedString
	FrequencyofMeasure	M		The frequency of the measuement.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.641-1: ResponseToInterventionMeasurementType

A.642 ResultListType

This represents the results based on each measurement period.

Figure A.642-1: ResultListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ResultListType	O		This represents the results based on each measurement period.	List
Result	MR			xs:normalizedString

Table A.642-1: ResultListType

A.643 RightsElementsType

A list of rights elements.

Figure A.643-1: RightsElementsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
RightsElementsType			A list of rights elements.	
RightsElement	OR			RightsElementType

Table A.643-1: RightsElementsType

A.644 RightsElementType

A common metadata element designed to carry any intellectual property or copyright information, based on the IEEE LOM Rights element [LOM].

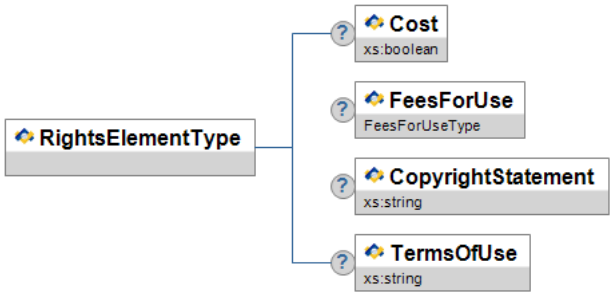

Figure A.644-1: RightsElementType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
RightsElementType			A common metadata element designed to carry any intellectual property or copyright information, based on the IEEE LOM Rights element [LOM].	
Cost	O	000505 https://ceds.ed.gov/element/000505		xs:boolean
FeesForUse	O		A container for fees for use of the content in the object.	FeesForUseType
CopyrightStatement	O			xs:string
TermsOfUse	O			xs:string

Table A.644-1: RightsElementType

JSON

```
{
  "RightsElement": {
    "Cost": true,
    "FeesForUse": {
      "FeeForUse": [
        {
          "UseType": "UseType",
          "MeteringType": "MeteringType",
          "MeteringURL": "http://www.xmlspy.com",
          "PerUseCharge": {
            "Currency": "USD",
            "value": 1.0
          }
        }
      ]
    },
    "CopyrightStatement": "CopyrightStatement",
    "TermsOfUse": "TermsOfUse"
  }
}
```

XML

```
<RightsElement>
  <Cost>true</Cost>
  <FeesForUse>
    <FeeForUse>
      <UseType>UseType</UseType>
      <MeteringType>MeteringType</MeteringType>
      <MeteringURL>http://www.xmlspy.com</MeteringURL>
      <PerUseCharge Currency="USD">1.00</PerUseCharge>
    </FeeForUse>
  </FeesForUse>
  <CopyrightStatement>CopyrightStatement</CopyrightStatement>
  <TermsOfUse>TermsOfUse</TermsOfUse>
</RightsElement>
```

Example A.644-1: RightsElementType

A.645 RolesType

List of one or more Roles.

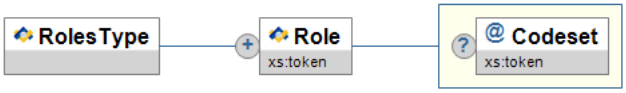

Figure A.645-1: RolesType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RolesType	M		List of one or more Roles.	List
	Role	MR		One of a set of possible enumerated Role values.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.645-1: RolesType

A.646 RoomListType

Figure A.646-1: RoomListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	RoomListType	O			List
	RoomInfoRefId	MR		The Id (GUID) of the room in which this section is taught.	IdRefType

Table A.646-1: RoomListType

A.647 SCEDCodeCourseLevelType

Conveys the level of the course.

Figure A.647-1: SCEDCodeCourseLevelType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SCEDCodeCourseLevelType	M	000248 https://ceds.ed.gov/element/000248	Conveys the level of the course.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.647-1: SCEDCodeCourseLevelType

A.648 SCEDCodeType

Course code from the School Codes for the Exchange of Data that describe the content of the course.

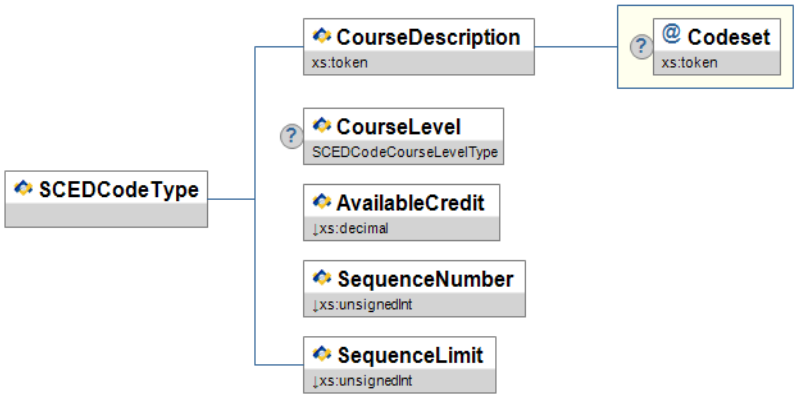

Figure A.648-1: SCEDCodeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SCEDCodeType			Course code from the School Codes for the Exchange of Data that describe the content of the course.	
	CourseDescription	M	000246 https://ceds.ed.gov/element/000246	Five-digit number. Subject areas are represented by the first two digits, the last three digits specify a particular course within the subject area.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	CourseLevel	O			SCEDCodeCourseLevelType
	AvailableCredit	M	000030 https://ceds.ed.gov/element/000030	Identifies the amount of credit available to a student who successfully meets the objectives of the course, measured in Carnegie units (9.99 format).	xs:decimal xs:minInclusive 0 xs:fractionDigits 2
	SequenceNumber	M	000090 https://ceds.ed.gov/element/000090	One-digit number describing where a specific course lies when it is part of a consecutive sequence of courses described by the same general course description.	xs:unsignedInt xs:minInclusive 1 xs:maxInclusive 9
	SequenceLimit	M	000250 https://ceds.ed.gov/element/000250	One-digit number representing the total number of courses in the consecutive sequence described by the same general course description.	xs:unsignedInt xs:minInclusive 1 xs:maxInclusive 9

Table A.648-1: SCEDCodeType

JSON

```
{
  "SCEDCode": {
    "CourseDescription": {
      "value": "04151"
    },
    "CourseLevel": {
      "value": "H"
    },
    "AvailableCredit": 1.0,
    "SequenceNumber": 1,
    "SequenceLimit": 1
  }
}
```

XML

```
<SCEDCode>
  <CourseDescription>04151</CourseDescription>
  <CourseLevel>H</CourseLevel>
  <AvailableCredit>1.00</AvailableCredit>
  <SequenceNumber>1</SequenceNumber>
  <SequenceLimit>1</SequenceLimit>
</SCEDCode>
```

Example A.648-1: SCEDCodeType

A.649 ScheduleInfoListType

Figure A.649-1: ScheduleInfoListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ScheduleInfoListType	M			List
ScheduleInfo	MR		The schedule-related information for a section repeating for each term in which the section is scheduled. The TermInfoRefId attribute value should repeat as necessary to show the appropriate relationship between meeting times, teachers and rooms.	ScheduleInfoType

Table A.649-1: ScheduleInfoListType

A.650 ScheduleInfoOverrideListType

A complete replacement of the standard SectionInfo/ScheduleInfoList for this student's course enrollment.

Figure A.650-1: ScheduleInfoOverrideListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ScheduleInfoOverrideListType	O		A complete replacement of the standard SectionInfo/ScheduleInfoList for this student's course enrollment.	List
ScheduleInfoOverride	MR		A complete replacement of the standard SectionInfo/ScheduleInfo for this student's course enrollment. If the student's schedule for this course is different than the standard schedule as defined in SectionInfo, a ScheduleInfoOverride must be provided for each term in which the course is offered, along with the appropriate value for Override. See the use cases for this object for scenario examples.	ScheduleInfoOverrideType

Table A.650-1: ScheduleInfoOverrideListType

A.651 ScheduleInfoOverrideType

A complete replacement of the standard SectionInfo/ScheduleInfo for this student's course enrollment. If the student's schedule for this course is different than the standard schedule as defined in SectionInfo, a ScheduleInfoOverride must be provided for each term in which the course is offered, along with the appropriate value for Override. See the use cases for this object for scenario examples.

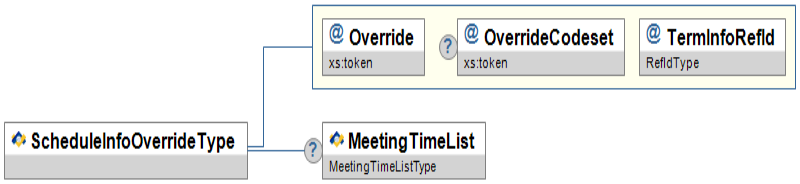

Figure A.651-1: ScheduleInfoOverrideType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ScheduleInfoOverrideType	MR		A complete replacement of the standard SectionInfo/ScheduleInfo for this student's course enrollment. If the student's schedule for this course is different than the standard schedule as defined in SectionInfo, a ScheduleInfoOverride must be provided for each term in which the course is offered, along with the appropriate value for Override. See the use cases for this object for scenario examples.	
@	Override	M		Designates whether or not scheduling information has been overridden with different values for this student.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	OverrideCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
@	TermInfoRefId	M		The Id (GUID) of the term to which this override information relates for this student.	RefIdType
	MeetingTimeList	O			MeetingTimeListType

Table A.651-1: ScheduleInfoOverrideType

A.652 ScheduleInfoType

The schedule-related information for a section repeating for each term in which the section is scheduled. The TermInfoRefId attribute value should repeat as necessary to show the appropriate relationship between meeting times, teachers and rooms.

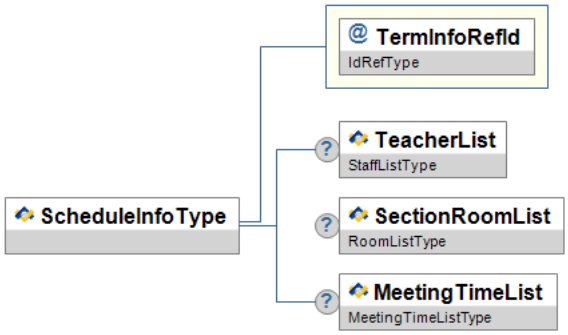

Figure A.652-1: ScheduleInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ScheduleInfoType	MR		The schedule-related information for a section repeating for each term in which the section is scheduled. The TermInfoRefId attribute value should repeat as necessary to show the appropriate relationship between meeting times, teachers and rooms.	
@	TermInfoRefId	M		The Id (GUID) of the term to which this schedule information relates.	IdRefType
	TeacherList	O			StaffListType
	SectionRoomList	O			RoomListType
	MeetingTimeList	O			MeetingTimeListType

Table A.652-1: ScheduleInfoType

A.653 SchoolAccountabilityHighSchoolGraduationRateIndicatorStatusType

An indication of whether the school or district met the High School Graduation Rate requirement in accordance with state definition for the purposes of determining AYP.

Figure A.653-1: SchoolAccountabilityHighSchoolGraduationRateIndicatorStatusType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SchoolAccountabilityHighSchoolGraduationRateIndicatorStatusType	O	000140 https://ceds.ed.gov/element/000140	An indication of whether the school or district met the High School Graduation Rate requirement in accordance with state definition for the purposes of determining AYP.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.653-1: SchoolAccountabilityHighSchoolGraduationRateIndicatorStatusType

A.654 SchoolAccountabilityPersistentlyDangerousStatusType

An indication of whether the school is identified as persistently dangerous in accordance with state definition.

Figure A.654-1: SchoolAccountabilityPersistentlyDangerousStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolAccountabilityPersistentlyDangerousStatusType	O	000210 https://ceds.ed.gov/element/000210	An indication of whether the school is identified as persistently dangerous in accordance with state definition.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.654-1: SchoolAccountabilityPersistentlyDangerousStatusType

A.655 SchoolAccountabilityProficiencyTargetStatusForMathType

An indication of whether the school or district met the math proficiency target in accordance with state definition for the purposes of determining AYP.

Figure A.655-1: SchoolAccountabilityProficiencyTargetStatusForMathType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolAccountabilityProficiencyTargetStatusForMathType	O	000221 https://ceds.ed.gov/element/000221	An indication of whether the school or district met the math proficiency target in accordance with state definition for the purposes of determining AYP.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.655-1: SchoolAccountabilityProficiencyTargetStatusForMathType

A.656 SchoolAccountabilityProficiencyTargetStatusForReadingAndLanguageArtsType

An indication of whether the school or district met the reading/language arts proficiency target in accordance with state definition for the purposes of determining AYP.

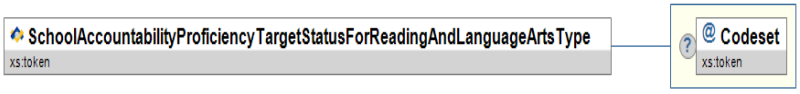

Figure A.656-1: SchoolAccountabilityProficiencyTargetStatusForReadingAndLanguageArtsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolAccountabilityProficiencyTargetStatusForReadingAndLanguageArtsType	O	000553 https://ceds.ed.gov/element/000553	An indication of whether the school or district met the reading/language arts proficiency target in accordance with state definition for the purposes of determining AYP.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.656-1: SchoolAccountabilityProficiencyTargetStatusForReadingAndLanguageArtsType

A.657 SchoolAccountabilityReconstitutedStatusType

An indication that the school was restructured, transformed or otherwise changed as a consequence of the state's accountability system under ESEA or as a result of School Improvement Grants (SIG).

Figure A.657-1: SchoolAccountabilityReconstitutedStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolAccountabilityReconstitutedStatusType	O	000230 https://ceds.ed.gov/element/000230	An indication that the school was restructured, transformed or otherwise changed as a consequence of the state's accountability system under ESEA or as a result of School Improvement Grants (SIG).	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.657-1: SchoolAccountabilityReconstitutedStatusType

A.658 SchoolAccountabilitySchoolImprovementFundsStatusType

An indication of whether the school received funds under Section 1003 of ESEA, as amended.

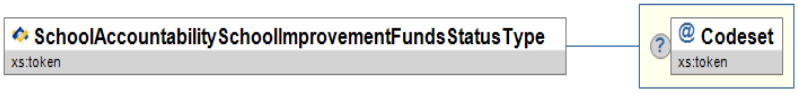

Figure A.658-1: SchoolAccountabilitySchoolImprovementFundsStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolAccountabilitySchoolImprovementFundsStatusType	O	000238 https://ceds.ed.gov/element/000238	An indication of whether the school received funds under Section 1003 of ESEA, as amended.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.658-1: SchoolAccountabilitySchoolImprovementFundsStatusType

A.659 SchoolAccountabilitySchoolOperationalStatusType

The current status of the school operations, exclusive of scheduled breaks, holidays, or other temporary interruptions.

Figure A.659-1: SchoolAccountabilitySchoolOperationalStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolAccountabilitySchoolOperationalStatusType	O	000553 https://ceds.ed.gov/element/000553	The current status of the school operations, exclusive of scheduled breaks, holidays, or other temporary interruptions.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.659-1: SchoolAccountabilitySchoolOperationalStatusType

A.660 SchoolAttendanceHistoryListType

Chronology of schools attended in the student's academic career, including the current school if enrolled.

Figure A.660-1: SchoolAttendanceHistoryListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolAttendanceHistoryListType			Chronology of schools attended in the student's academic career, including the current school if enrolled.	List
	SchoolAttended	MR		Data about each individual school attended.	SchoolAttendanceHistoryType

Table A.660-1: SchoolAttendanceHistoryListType

A.661 SchoolAttendanceHistoryType

Data about each individual school attended.

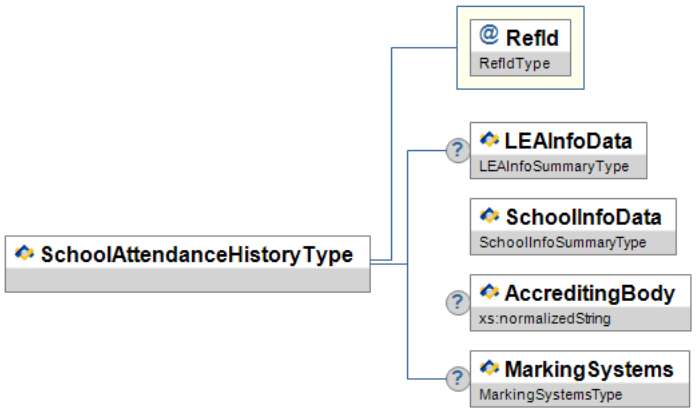

Figure A.661-1: SchoolAttendanceHistoryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolAttendanceHistoryType			Data about each individual school attended.	
@	RefId	M		Id used internally to StudentAcademicRecord to avoid duplication of school-related data.	RefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LEAInfoData	O		Collects elements of interest from LEAInfo.	LEAInfoSummaryType
	SchoolInfoData	M		Collects elements of interest from SchoolInfo.	SchoolInfoSummaryType
	AccreditingBody	O		Accrediting body for the school.	xs:normalizedString
	MarkingSystems	C		Note: Mandatory if school of record. Marking systems/grading tables used by the school.	MarkingSystemsType

Table A.661-1: SchoolAttendanceHistoryType

A.662 SchoolCharterManagementOrganizationTypeType

The type of organization that is a separate legal entity that 1) contracts with one or more charter schools to manage, operate, and oversee the charter schools; or 2) holds a charter, or charters, to operate multiple charter schools.

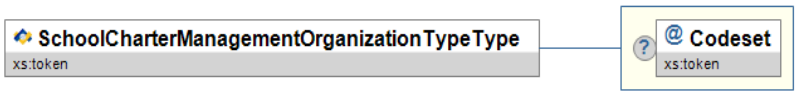

Figure A.662-1: SchoolCharterManagementOrganizationTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolCharterManagementOrganizationTypeType	O	001650 https://ceds.ed.gov/element/001650	The type of organization that is a separate legal entity that 1) contracts with one or more charter schools to manage, operate, and oversee the charter schools; or 2) holds a charter, or charters, to operate multiple charter schools.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.662-1: SchoolCharterManagementOrganizationTypeType

A.663 SchoolCharterType

This is a common element that contains fields concerned with establishment or continuation of a charter school.

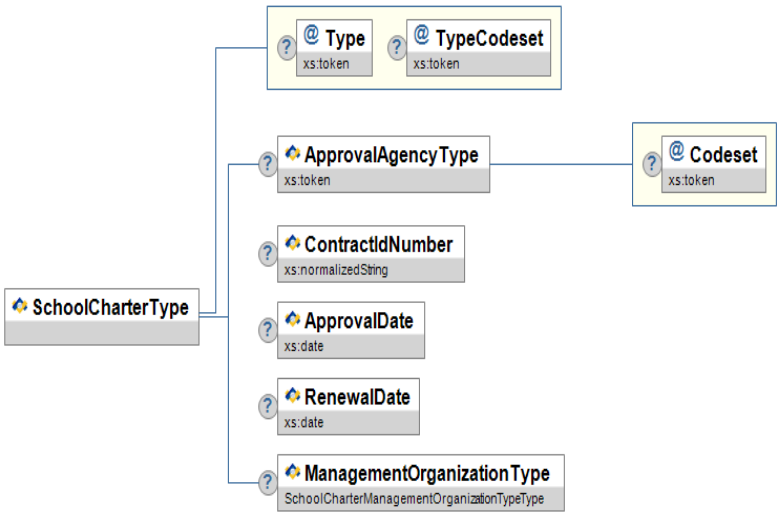

Figure A.663-1: SchoolCharterType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolCharterType			Contains fields concerned with establishment or continuation of a charter school.	
@	Type	O	000710 https://ceds.ed.gov/element/000710	The category of charter school.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ApprovalAgencyType	O	001292 https://ceds.ed.gov/element/001292	The type of agency that approved the establishment or continuation of a charter school.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ContractIdNumber	O	001651 https://ceds.ed.gov/element/001651	The unique number the SEA assigns to the contract (or charter) that authorizes the charter school to operate in the state under the state's charter school legislation.	xs:normalizedString
	ApprovalDate	O	001652 https://ceds.ed.gov/element/001652	The effective date of the contract (or charter) that an approved charter school authorizer authorized the charter school to operate in the state under the state's charter school legislation.	xs:date
	RenewalDate	O	001653 https://ceds.ed.gov/element/001653	The date by which the charter school must renew its contract (or charter) with an approved charter school authorizer in order to continue to operate in the state under the state's charter school legislation.	xs:date
	ManagementOrganizationType	O			SchoolCharterManagementOrganizationTypeType

Table A.663-1: SchoolCharterType

A.664 SchoolContactListType

A list of contact persons associated with a school.

Figure A.664-1: SchoolContactListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolContactListType			A list of contact persons associated with a school.	List
	SchoolContact	MR		Information on contact persons for this school.	SchoolContactType

Table A.664-1: SchoolContactListType

JSON

```
{
  "SchoolContactList": {
    "SchoolContact": [
      {
        "PublishInDirectory": {
          "value": "Yes"
        },
        "ContactInfo": {
          "Name": {
            "Type": "04",
            "LastName": "Miller",
            "FirstName": "James"
          },
          "PositionTitle": "Office Assistant",
          "EmailList": {
            "Email": [
              {
                "Type": "Primary",
                "value": "jmiller@lhs.k12.state.us"
              }
            ]
          },
          "PhoneNumberList": {
            "PhoneNumber": [
              {
                "Type": "0096",
                "Number": "(555) 555-1235"
              }
            ]
          }
        }
      }
    ]
  }
}
```


XML


```
<SchoolContactList>
  <SchoolContact>
    <PublishInDirectory>Yes</PublishInDirectory>
    <ContactInfo>
      <Name Type="04">
        <LastName>Miller</LastName>
        <FirstName>James</FirstName>
      </Name>
      <PositionTitle>Office Assistant</PositionTitle>
      <EmailList>
        <Email Type="Primary">jmiller@lhs.k12.state.us</Email>
      </EmailList>
      <PhoneNumberList>
        <PhoneNumber Type="0096">
          <Number>(555) 555-1235</Number>
        </PhoneNumber>
      </PhoneNumberList>
    </ContactInfo>
  </SchoolContact>
</SchoolContactList>
```


Example A.664-1: SchoolContactListType

A.665 SchoolContactType

Information on contact persons for this school.

Figure A.665-1: SchoolContactType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolContactType	MR		Information on contact persons for this school.	
	PublishInDirectory	O		Indicates whether or not this school contact's information should be published in a directory of school information.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ContactInfo	M			ContactInfoType

Table A.665-1: SchoolContactType

A.666 SchoolCourseInfoCTEConcentratorType

Indicates whether this is a CTE concentrator for this course.

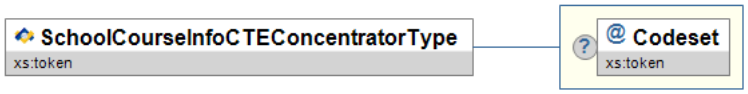

Figure A.666-1: SchoolCourseInfoCTEConcentratorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolCourseInfoCTEConcentratorType	O		Indicates whether this is a CTE concentrator for this course.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.666-1: SchoolCourseInfoCTEConcentratorType

A.667 SchoolCourseInfoDualCreditType

Indicates whether this course is applicable in having dual credits.

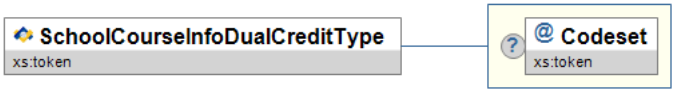

Figure A.667-1: SchoolCourseInfoDualCreditType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolCourseInfoDualCreditType	O		Indicates whether this course is applicable in having dual credits.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.667-1: SchoolCourseInfoDualCreditType

A.668 SchoolCourseInfoGraduationRequirementType

Does the state require that the course be completed for graduation?

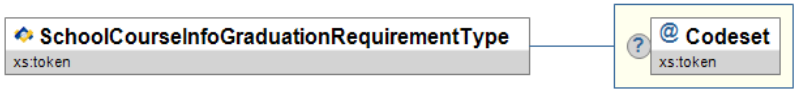

Figure A.668-1: SchoolCourseInfoGraduationRequirementType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolCourseInfoGraduationRequirementType	O	000137 https://ceds.ed.gov/element/000137	Does the state require that the course be completed for graduation?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.668-1: SchoolCourseInfoGraduationRequirementType

A.669 SchoolCourseInfoOverrideType

Optional overrides of the course information for this section.

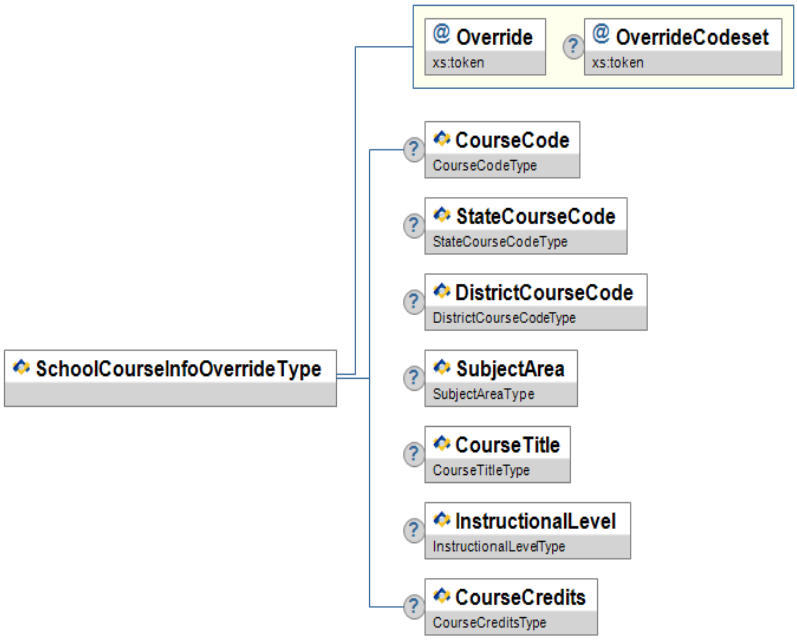

Figure A.669-1: SchoolCourseInfoOverrideType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolCourseInfoOverrideType	O		Optional overrides of the course information for this section.	
@	Override	M		Designates whether or not SchoolCourseInfo information has been overridden with different values for this section.	xs:token
@	OverrideCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	CourseCode	O		Override of the school-defined course code for this section.	CourseCodeType
	StateCourseCode	O		Override of the state-defined course code for this section.	StateCourseCodeType
	DistrictCourseCode	O		Override of the district course code for this section.	DistrictCourseCodeType
	SubjectArea	O		Override of the subject matter area for this section.	SubjectAreaType
	CourseTitle	O	000067 https://ceds.ed.gov/element/000067	Override of the course title for this section.	CourseTitleType
	InstructionalLevel	O		Override of the instructional level for this section.	InstructionalLevelType
	CourseCredits	O		Override of the course credits for this section.	CourseCreditsType

Table A.669-1: SchoolCourseInfoOverrideType

A.670 SchoolCourseInfoSummaryType

Collects elements of interest from SchoolCourseInfo.

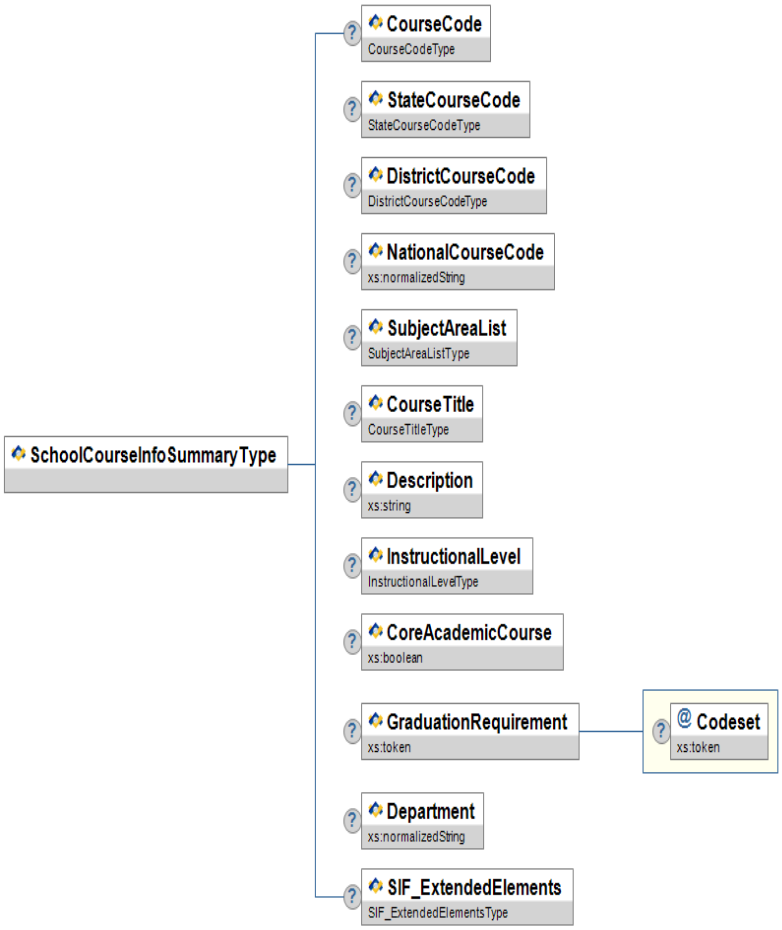

Figure A.670-1: SchoolCourseInfoSummaryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolCourseInfoSummaryType			Collects elements of interest from SchoolCourseInfo.	
	CourseCode	O			CourseCodeType
	StateCourseCode	O			StateCourseCodeType
	DistrictCourseCode	O			DistrictCourseCodeType
	NationalCourseCode	O			xs:normalizedString
	SubjectAreaList	O			SubjectAreaListType
	CourseTitle	O			CourseTitleType
	Description	O			xs:string
	InstructionalLevel	O			InstructionalLevelType
	CoreAcademicCourse	O			xs:boolean
	GraduationRequirement	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Department	O			xs:normalizedString
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.670-1: SchoolCourseInfoSummaryType

A.671 SchoolDesignationListType

A list of designations of the kind of groups creating the school.

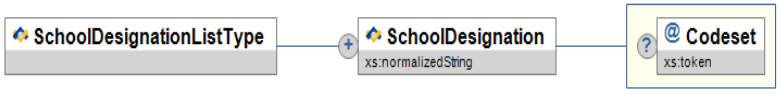

Figure A.671-1: SchoolDesignationListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolDesignationListType	O		A list of designations of the kind of groups creating the school.	List
	SchoolDesignation	MR		Designation of the kind of groups creating the school.	xs:normalizedString
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.671-1: SchoolDesignationListType

A.672 SchoolFederalFundSchoolImprovementGrantInterventionTypeType

The type of intervention used by the school under the School Improvement Grant (SIG).

Figure A.672-1: SchoolFederalFundSchoolImprovementGrantInterventionTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolFederalFundSchoolImprovementGrantInterventionTypeType	O	000239 https://ceds.ed.gov/element/000239	The type of intervention used by the school under the School Improvement Grant (SIG).	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.672-1: SchoolFederalFundSchoolImprovementGrantInterventionTypeType

A.673 SchoolFocusListType

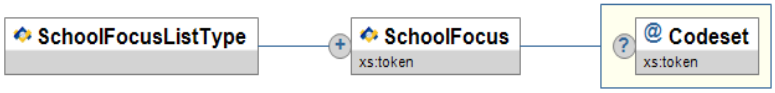

Figure A.673-1: SchoolFocusListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolFocusListType	O			List
	SchoolFocus	MR	000181 https://ceds.ed.gov/element/000181	The type of educational institution as classified by its focus.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.673-1: SchoolFocusListType

A.674 SchoolInfoMediumSummaryType

Collects elements of interest from SchoolInfo.

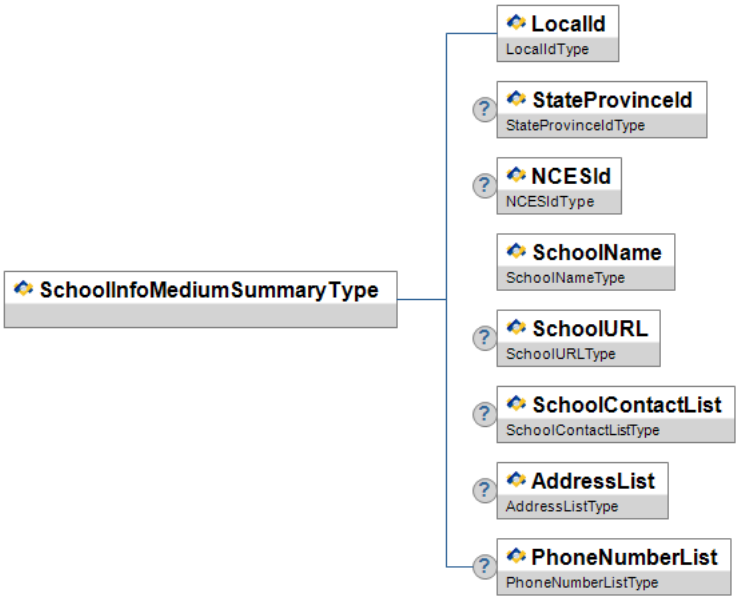

Figure A.674-1: SchoolInfoMediumSummaryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SchoolInfoMediumSummaryType			Collects elements of interest from SchoolInfo.	
LocalId	M			LocalIdType
StateProvinceId	O			StateProvinceIdType
NCESId	O			NCESIdType
SchoolName	M			SchoolNameType
SchoolURL	O			SchoolURLType
SchoolContactList	O			SchoolContactListType
AddressList	O			AddressListType
PhoneNumberList	O			PhoneNumberListType

Table A.674-1: SchoolInfoMediumSummaryType

A.675 SchoolInfoMiniSummaryType

Collects elements of interest from SchoolInfo.

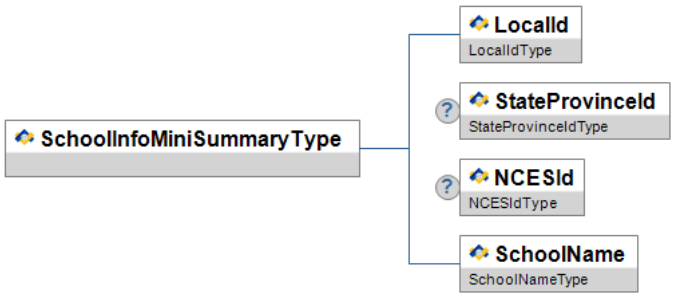

Figure A.675-1: SchoolInfoMiniSummaryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SchoolInfoMiniSummaryType			Collects elements of interest from SchoolInfo.	
LocalId	M			LocalIdType
StateProvinceId	O			StateProvinceIdType
NCESId	O			NCESIdType
SchoolName	M			SchoolNameType

Table A.675-1: SchoolInfoMiniSummaryType

A.676 SchoolInfoNationalSchoolLunchProgramStatusType

The classification of participation by a school in the National School Lunch Program.

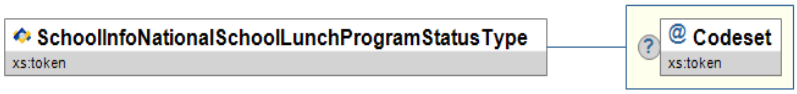

Figure A.676-1: SchoolInfoNationalSchoolLunchProgramStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolInfoNationalSchoolLunchProgramStatusType	O	001767 https://ceds.ed.gov/element/001767	The classification of participation by a school in the National School Lunch Program.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.676-1: SchoolInfoNationalSchoolLunchProgramStatusType

A.677 SchoolInfoSchoolImprovementStatusType

An indication of the improvement stage of the school.

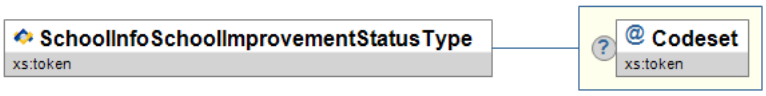

Figure A.677-1: SchoolInfoSchoolImprovementStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolInfoSchoolImprovementStatusType	O	000240 https://ceds.ed.gov/element/000240	An indication of the improvement stage of the school.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.677-1: SchoolInfoSchoolImprovementStatusType

A.678 SchoolInfoSchoolTypeType

An indication of the level of the educational institution.

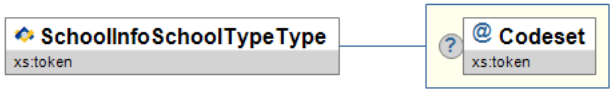

Figure A.678-1: SchoolInfoSchoolTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolInfoSchoolTypeType	O	000241 https://ceds.ed.gov/element/000241	An indication of the level of the educational institution.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.678-1: SchoolInfoSchoolTypeType

A.679 SchoolInfoSessionTypeType

Code that specifies the session type.

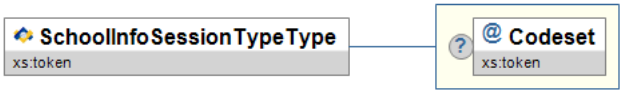

Figure A.679-1: SchoolInfoSessionTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolInfoSessionTypeType	O		Code that specifies the session type.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.679-1: SchoolInfoSessionTypeType

A.680 SchoolInfoSharedTimeIndicatorType

An indication that a school offers career and technical education or other educational services in which some or all students are enrolled at a separate school of record and attend the shared-time school on a part-time basis.

Figure A.680-1: SchoolInfoSharedTimeIndicatorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolInfoSharedTimeIndicatorType	O	000257 https://ceds.ed.gov/element/000257	An indication that a school offers career and technical education or other educational services in which some or all students are enrolled at a separate school of record and attend the shared-time school on a part-time basis.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.680-1: SchoolInfoSharedTimeIndicatorType

A.681 SchoolInfoStatePovertyDesignationType

The designation of a school's poverty quartile for purposes of determining classes taught by highly qualified teachers in high and low poverty schools, according to state's indicator of poverty.

Figure A.681-1: SchoolInfoStatePovertyDesignationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolInfoStatePovertyDesignationType	O	000585 https://ceds.ed.gov/element/000585	The designation of a school's poverty quartile for purposes of determining classes taught by highly qualified teachers in high and low poverty schools, according to state's indicator of poverty.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.681-1: SchoolInfoStatePovertyDesignationType

A.682 SchoolInfoSummaryType

Collects elements of interest from SchoolInfo.

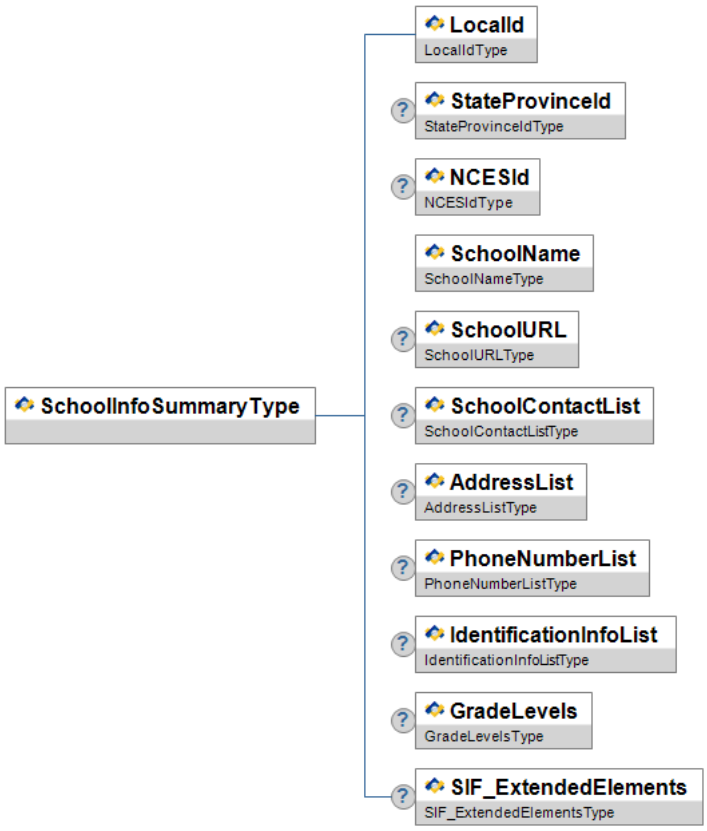

Figure A.682-1: SchoolInfoSummaryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SchoolInfoSummaryType			Collects elements of interest from SchoolInfo.	
LocalId	M			LocalIdType
StateProvinceId	O			StateProvinceIdType
NCESId	O			NCESIdType
SchoolName	M			SchoolNameType
SchoolURL	O			SchoolURLType
SchoolContactList	O			SchoolContactListType
AddressList	O			AddressListType
PhoneNumberList	O			PhoneNumberListType
IdentificationInfoList	O			IdentificationInfoListType
GradeLevels	O			GradeLevelsType
SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.682-1: SchoolInfoSummaryType

A.683 SchoolInfoTitle1StatusType

Status of the school's Title I eligibility. Certain schools are designated under appropriate state and federal regulations as being eligible for participation in programs authorized by Title I of Public Law 103-382.

Figure A.683-1: SchoolInfoTitle1StatusType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SchoolInfoTitle1StatusType	O	000285 https://ceds.ed.gov/element/000285	Status of the school's Title I eligibility. Certain schools are designated under appropriate state and federal regulations as being eligible for participation in programs authorized by Title I of Public Law 103-382.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.683-1: SchoolInfoTitle1StatusType

A.684 SchoolInfoTitleIProgramTypeType

The type of Title I program offered in the school or district.

Figure A.684-1: SchoolInfoTitleIProgramTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolInfoTitleIProgramTypeType	O	000284 https://ceds.ed.gov/element/000284	The type of Title I program offered in the school or district.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.684-1: SchoolInfoTitleIProgramTypeType

A.685 SchoolInfoVirtualSchoolStatusType

An indication of the extent to which a public school offers instruction in which students and teachers are separated by time and/or location, and interaction occurs via computers and/or telecommunications technologies.

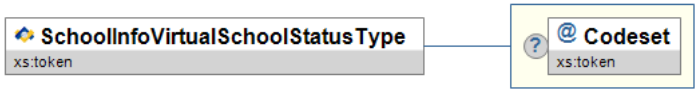

Figure A.685-1: SchoolInfoVirtualSchoolStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolInfoVirtualSchoolStatusType	O	001766 https://ceds.ed.gov/element/001766	An indication of the extent to which a public school offers instruction in which students and teachers are separated by time and/or location, and interaction occurs via computers and/or telecommunications technologies.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.685-1: SchoolInfoVirtualSchoolStatusType

A.686 SchoolNameType

Common element used to specify the name of a school. It is used in objects such as SchoolInfo and StudentSnapshot.

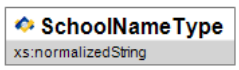

Figure A.686-1: SchoolNameType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SchoolNameType			The name of the school.	xs:normalizedString

Table A.686-1: SchoolNameType

JSON

```
{
  "SchoolName": "Academy High School"
}
```

XML

```
<SchoolName>Academy High School</SchoolName>
```

Example A.686-1: SchoolNameType

A.687 SchoolURLType

URL for a school.

Figure A.687-1: SchoolURLType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SchoolURLType			URL for a school.	xs:anyURI

Table A.687-1: SchoolURLType

JSON

```
{
  "SchoolURL": "http://www.lincolnhs.edu"
}
```

XML

```
<SchoolURL>http://www.lincolnhs.edu</SchoolURL>
```

Example A.687-1: SchoolURLType

A.688 SchoolYearType

Common element used to designate the academic school year to which an object relates.

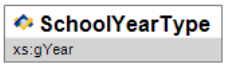

Figure A.688-1: SchoolYearType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SchoolYearType			School year for which this information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2004" for the 2003-04 school year).	xs:gYear

Table A.688-1: SchoolYearType

JSON

```
{
  "SchoolYear": "2005"
}
```

XML

```
<SchoolYear>2005</SchoolYear>
```

Example A.688-1: SchoolYearType

A.689 ScoreRangeType

The possible range of scores.

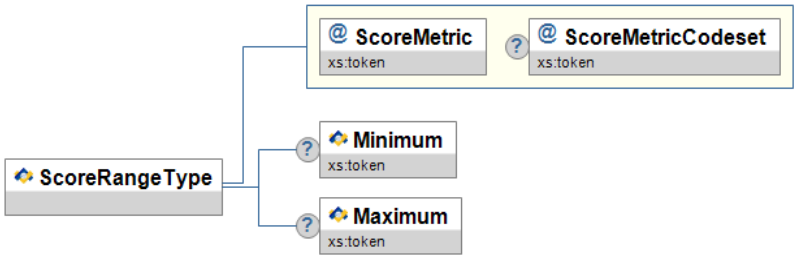

Figure A.689-1: ScoreRangeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ScoreRangeType			The possible range of scores.	
@	ScoreMetric	M	000369 https://ceds.ed.gov/element/000369	The metric or scale used to report the scores.	xs:token
@	ScoreMetricCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Minimum	O		Lowest possible score value.	xs:token
	Maximum	O		Highest possible score value.	xs:token

Table A.689-1: ScoreRangeType

A.690 SEAContactListType

Information on contact persons for this SEA.

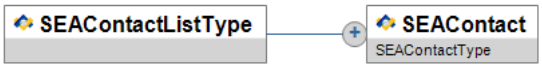

Figure A.690-1: SEAContactListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SEAContactListType	O		Information on contact persons for this SEA.	List
	SEAContact	MR		Container element for SEA contact information.	SEAContactType

Table A.690-1: SEAContactListType

A.691 SEAContactType

Container element for SEA contact information.

Figure A.691-1: SEAContactType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SEAContactType	MR		Container element for SEA contact information.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	PublishInDirectory	O		Indicates whether or not this SEA contact's information should be published in a directory of SEA information.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ContactInfo	M		Contact information for a person at the SEA.	ContactInfoType

Table A.691-1: SEAContactType

A.692 Section504Type

Is the student a qualified individual under Section 504 of the Rehabilitation Act? (Mututally exclusive with IDEA classification.)

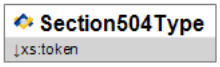

Figure A.692-1: Section504Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Section504Type			Is the student a qualified individual under Section 504 of the Rehabilitation Act? (Mututally exclusive with IDEA classification.)	values: Yes No Unknown

Table A.692-1: Section504Type

JSON

```
{
  "Section504": "No"
}
```

XML

```
<Section504>No</Section504>
```

Example A.692-1: Section504Type

A.693 SectionInfoCountForAttendanceType

Indicates if attendance in this section is collected and used in attendance calculations.

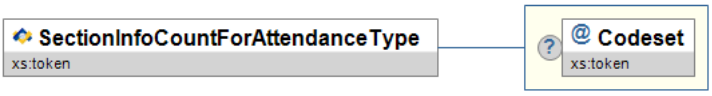

Figure A.693-1: SectionInfoCountForAttendanceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SectionInfoCountForAttendanceType	O		Indicates if attendance in this section is collected and used in attendance calculations.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.693-1: SectionInfoCountForAttendanceType

A.694 SelectedContentType

Allows an XML fragment selected from an object to be used in an element with XML validation skipped.

Figure A.694-1: SelectedContentType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SelectedContentType			Allows an XML fragment selected from an object to be used in an element with XML validation skipped.	`<xs:complexContent mixed="true"> <xs:restriction base="xs:anyType"> <xs:sequence> <xs:any processContents="skip" minOccurs="0" maxOccurs="unbounded" /> </xs:sequence> </xs:restriction> </xs:complexContent>`

Table A.694-1: SelectedContentType

A.695 ServiceFundingSourceListType

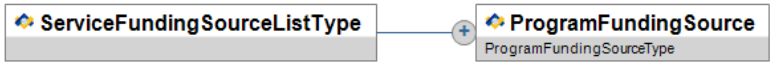

Figure A.695-1: ServiceFundingSourceListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ServiceFundingSourceListType				List
ProgramFundingSource	MR			ProgramFundingSourceType

Table A.695-1: ServiceFundingSourceListType

A.696 ServiceNameType

An unenumerated SIF object name.

Figure A.696-1: ServiceNameType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ServiceNameType			An unenumerated SIF object name.	xs:NCName

Table A.696-1: ServiceNameType

A.697 ServiceProviderTypeType

Used for an individual providing the service. Review by state / program, may be required. Service provider title (such as Physical Therapist or Psychologist).

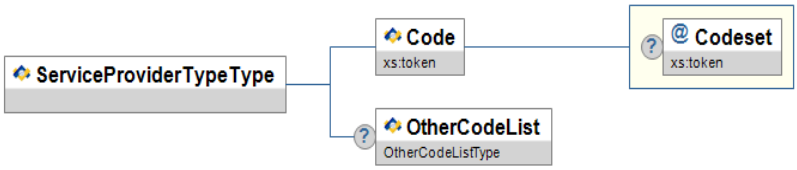

Figure A.697-1: ServiceProviderTypeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ServiceProviderTypeType			Used for an individual providing the service. Review by state / program, may be required. Service provider title (such as Physical Therapist or Psychologist).	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Code	M		Used for an individual providing the service. Review by state / program, may be required. Service provider title (such as Physical Therapist or Psychologist).	xs:token subset: 0100 0200 0201 0202 0203 0204 0205 0206 0207 0208 0209 0210 0211 0212 0213 0300 0309 0313 0322 0328 0329 0333 0334 0335 0336 0338 0339 0340 0342 0343 0345 0346 0347 0349 0351 0352 0353 0356 0359 0361 0363 0400 0500 0501 0507 0512 0600 0700 0800 0801 0802 0900 1000 1001 1002 1009 1011 1012 9999
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.697-1: ServiceProviderTypeType

A.698 ServiceSettingType

Setting where service is provided (Regular Class, Resource Room, Homebound, Detention Center, etc.).

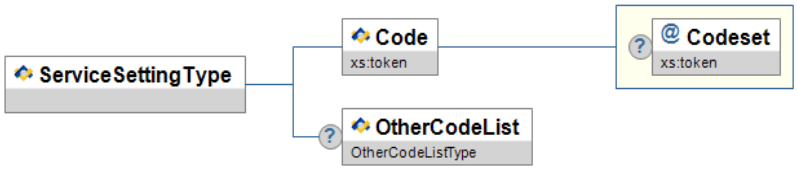

Figure A.698-1: ServiceSettingType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ServiceSettingType	O		Setting where service is provided (Regular Class, Resource Room, Homebound, Detention Center, etc.).	
	Code	M		Setting where service is provided (Regular Class, Resource Room, Homebound, Detention Center, etc.).	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.698-1: ServiceSettingType

A.699 SessionDurationType

Duration relative to a session.

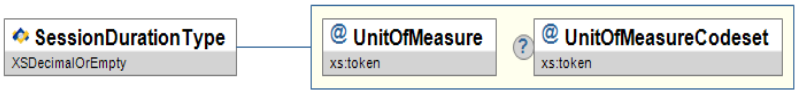

Figure A.699-1: SessionDurationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SessionDurationType			Duration relative to a session.	xs:decimal
@	UnitOfMeasure	M		Identifies unit of measure in which amount of time is expressed.	xs:token
@	UnitOfMeasureCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.699-1: SessionDurationType

A.700 SettingLocationListType

Figure A.700-1: SettingLocationListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SettingLocationListType	O			List
	SettingLocation	MR			SettingLocationType

Table A.700-1: SettingLocationListType

A.701 SettingLocationType

This element initially supports describing specific physical locations where the P-POD applied.

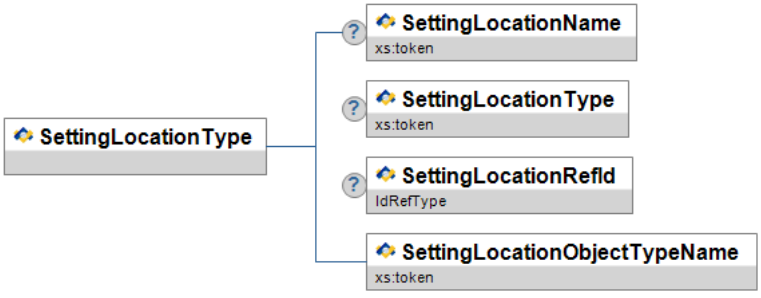

Figure A.701-1: SettingLocationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SettingLocationType				
	SettingLocationName	O		Name of the location.	xs:token
	SettingLocationType	O			xs:token
	SettingLocationRefId	O		RefId of the location object if the location is a SIF Object such as `SchoolInfo`.	IdRefType
	SettingLocationObjectTypeName	M		Type of SIF Object `SettingLocationRefId` points to.	xs:token

Table A.701-1: SettingLocationType

A.702 ShareWithListType

A list of parties and data sharing permissions.

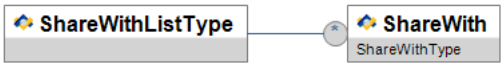

Figure A.702-1: ShareWithListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ShareWithListType	O		A list of parties and data sharing permissions.	List
ShareWith	OR		The .	ShareWithType

Table A.702-1: ShareWithListType

A.703 ShareWithType

Information about data sharing.

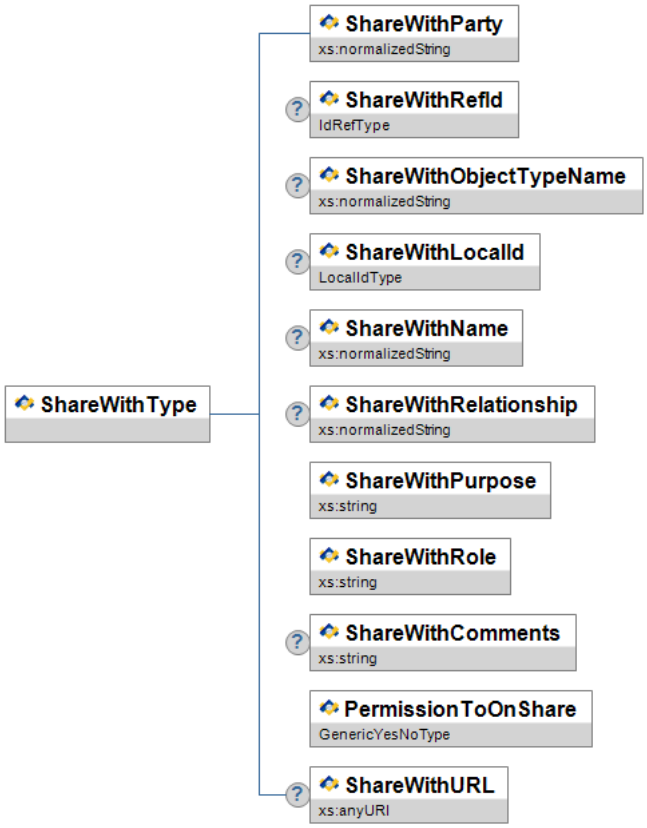

Figure A.703-1: ShareWithType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ShareWithType			Information about data sharing.	
ShareWithParty	M		Who data could be shared with?	xs:normalizedString
ShareWithRefId	O		RefId of entity data to be shared with if known.	IdRefType
ShareWithObjectTypeName	O		The name of the object referenced.	xs:normalizedString

Element/@Attribute	Char	CEDS Id/URL	Description	Type
ShareWithLocalId	O		LocalId of entity data to be shared with if known.	LocalIdType
ShareWithName	O		The name of the person/body. Only to be used when a SIF reference object not available.	xs:normalizedString
ShareWithRelationship	O		The relationship of the person/body. Only to be used when a SIF reference object not available.	xs:normalizedString
ShareWithPurpose	M		Why is this information to be shared?	xs:string
ShareWithRole	M	001156 https://ceds.ed.gov/element/001156	Role of the information to be shared?	xs:string
ShareWithComments	O		Comments associated with Sharing arrangement	xs:string
PermissionToOnShare	M		Can this information be shared with other parties?	GenericYesNoType values: Y Yes N No U Unknown
ShareWithURL	O		URL Associated with Share	xs:anyURI

Table A.703-1: ShareWithType

A.704 SIF_ExtendedElementsType

This element is supported at the end of all SIF objects. The element is used to extend existing SIF objects with locally-defined elements. Extended elements SHOULD NOT be used to duplicate data that can be obtained from other SIF objects.

Figure A.704-1: SIF_ExtendedElementsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SIF_ExtendedElementsType			Allows an agent to include data not yet defined within a SIF data object as name/value pairs.	ActionList (SIF_ExtendedElement/@Name)
SIF_ExtendedElement	OR		A name/value pair, the name being contained in the Name attribute, the value being the element content.	SIF_ExtendedElementType

Table A.704-1: SIF_ExtendedElementsType

JSON

```
{
  "SIF_ExtendedElements": {
    "SIF_ExtendedElement": [
      {
        "Name": "ApplicationSubmissionStatus",
        "value": "4"
      },
      {
        "Name": "DynamicXml",
        "Parent": {
          "Child": {
            "n": "3",
            "value": "three"
          }
        }
      },
      {
        "Name": "Note",
        "xhtml:strong": "Double"
      }
    ]
  }
}
```

XML

```
<SIF_ExtendedElements>
  <SIF_ExtendedElement Name="ApplicationSubmissionStatus">4</SIF_ExtendedElement>
  <SIF_ExtendedElement Name="DynamicXml">
    <Parent xmlns="http://myapplication.com">
      <Child n="1">one</Child>
      <Child n="2" />
      <Child n="3">three</Child>
    </Parent>
  </SIF_ExtendedElement>
  <SIF_ExtendedElement Name="Note">
    <xhtml:strong xmlns:xhtml="http://www.w3.org/1999/xhtml">Double</xhtml:strong>-check submission status. </SIF_ExtendedElement>
</SIF_ExtendedElements>
```

Example A.704-1: SIF_ExtendedElementsType

A.705 SIF_ExtendedElementType

A name/value pair, the name being contained in the Name attribute, the value being the element content.

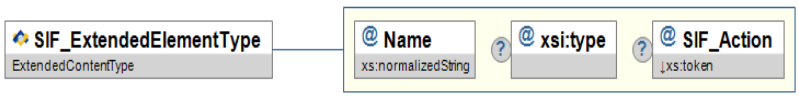

Figure A.705-1: SIF_ExtendedElementType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SIF_ExtendedElementType	OR		A name/value pair, the name being contained in the Name attribute, the value being the element content.	Extension of `ExtendedContentType`
@	Name	M		The name of the extended element. As it is possible that names for extended elements may collide from agent to agent, it is recommended that the names of extended elements be configurable in an agent, or that agents use URIs for the names of extended elements.	`xs:normalizedString`
@	xsi:type	O		Allows type of element to be explicitly communicated.	
@	SIF_Action	O		In a `Change` event, this flag can be used to indicate an element has been deleted from the parent list container. At a minimum the key for the list must also be present.	values: `Delete`

Table A.705-1: SIF_ExtendedElementType

A.706 SIF_MetadataType

Metadata is commonly referred to as data about data and includes information such as author, grade level, or keywords relating to a learning object, as examples. Metadata can be used to structure and contain any of this kind of information in a consistent manner. In the context of SIF, `SIF_Metadata` provides a consistent structure to appropriate SIF objects for the purpose of cataloging and object discovery, as well as other metadata functions and purposes. One recurring use case within the SIF data model is the requirement for some form of temporal constraints and tagging on objects (see `TimeElement`). Other metadata elements are based on needs brought to the Data Model Task Force.

IMPORTANT NOTE ON PERSISTENCE

This data is not designed to be permanent. It is designed to frame an object instance and could dissolve as soon as it leaves the SIF framework for the application space. A data warehouse could be used to store metadata for later tracking.

IMPORTANT NOTE ON USAGE

Any usage of metadata is optional unless made a requirement within individual SIF objects, or if a SIF or local profile or zone installation mandates it. SIF_Metadata allows for the usage of metadata in agents and applications that choose to support it.

This element is designed to operate much like SIF_ExtendedElements. It is an approved common element that is part of any data object.

DEPRECATED

The International community is already working on a generic replacement for SIF_Metadata and it has been deprecated as of SIF Data Model Implementation Specification (NA) 4.0.

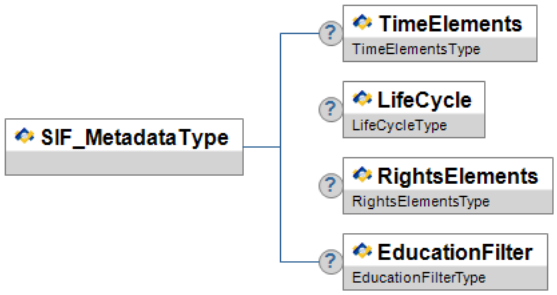

Figure A.706-1: SIF_MetadataType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SIF_MetadataType			A commonly defined container for metadata elements defined within SIF.	
TimeElements	O			TimeElementsType
LifeCycle	O			LifeCycleType
RightsElements	O			RightsElementsType
EducationFilter	O			EducationFilterType

Table A.706-1: SIF_MetadataType

A.707 SimpleContactRelationshipType

Typically used to provide the state information about a person's parents and legal guardians.

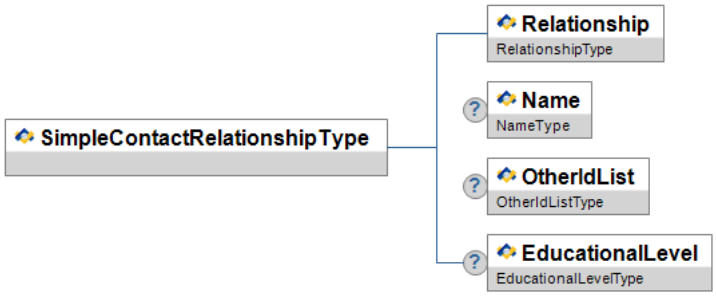

Figure A.707-1: SimpleContactRelationshipType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SimpleContactRelationshipType	OR		Typically used to provide the state information about a person's parents and legal guardians.	
Relationship	M		Relationship to the person.	Relationship
Name	O		The name(s) of the contact.	NameType
OtherIdList	O		OtherIds associated with the contact .	OtherIdListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
EducationalLevel	O		The highest level of education completed by the contact person.	EducationalLevelType

Table A.707-1: SimpleContactRelationshipType

A.708 SoftwareRequirementListType

Contains information about required software.

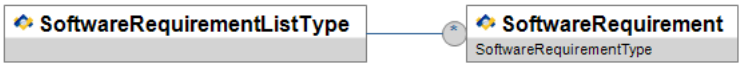

Figure A.708-1: SoftwareRequirementListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SoftwareRequirementListType			Contains information about required software.	List
SoftwareRequirement	OR		Contains information about a specific required piece of software.	SoftwareRequirementType

Table A.708-1: SoftwareRequirementListType

A.709 SoftwareRequirementType

Contains information about a specific required piece of software.

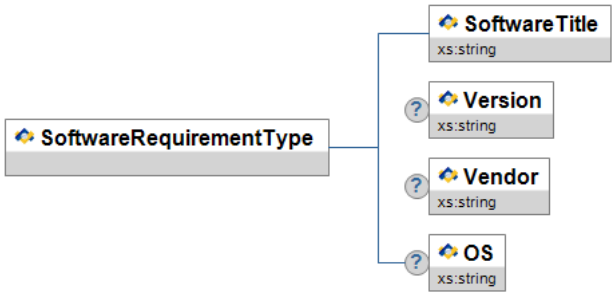

Figure A.709-1: SoftwareRequirementType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SoftwareRequirementType	OR		Contains information about a specific required piece of software.	
SoftwareTitle	M		This is the title of the specific software. This does not include the vendor. For example, Flash not Adobe.	xs:string
Version	O		This includes the version of the specific software.	xs:string
Vendor	O		This is the vendor of the specific software. For example, Adobe.	xs:string
OS	O		This is the operating system and version. For example, Macintosh OS X 1.4.	xs:string

Table A.709-1: SoftwareRequirementType

A.710 SourcedCodesetType

Figure A.710-1: SourcedCodesetType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SourcedCodesetType				xs:token
@	Codeset			Identifies source of value provided.	values: StateProvince Local e.g. district-specific Other Text

Table A.710-1: SourcedCodesetType

A.711 SourceObjectListType

Source objects assigned to students.

Figure A.711-1: SourceObjectListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SourceObjectListType			Source objects assigned to students.	List
	SourceObject	OR		GUID assigned to the source object.	SourceObjectType

Table A.711-1: SourceObjectListType

A.712 SourceObjectType

GUID assigned to the source object.

Figure A.712-1: SourceObjectType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SourceObjectType			GUID assigned to the source object.	IdRefType
@	SIF_RefObject	M		The type of learning object the source object is.	xs:token
@	SIF_RefObjectCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.712-1: SourceObjectType

A.713 SpanGapsType

A container element for holding multiple possible span gaps.

Figure A.713-1: SpanGapsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SpanGapsType	O		A container element for holding multiple possible span gaps.	List
SpanGap	OR		This structure duplicates much of the structure of TimeElement and is designed to represent a gap in the parent time period defined by StartDateTime and EndDateTime above.	SpanGapType

Table A.713-1: SpanGapsType

A.714 SpanGapType

This structure duplicates much of the structure of TimeElement and is designed to represent a gap in the parent time period defined by StartDateTime and EndDateTime above.

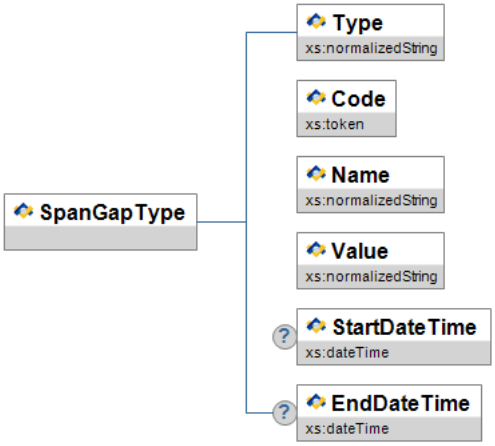

Figure A.714-1: SpanGapType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SpanGapType	OR		This structure duplicates much of the structure of TimeElement and is designed to represent a gap in the parent time period defined by StartDateTime and EndDateTime above.	
Type	M			xs:normalizedString
Code	M			xs:token
Name	M			xs:normalizedString
Value	M			xs:normalizedString
StartDateTime	O			xs:dateTime
EndDateTime	O			xs:dateTime

Table A.714-1: SpanGapType

A.715 SpecialConditionActionListType

Records student-specific special conditions during the test.

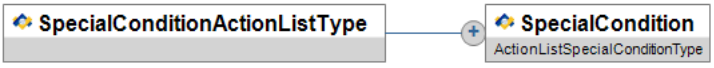

Figure A.715-1: SpecialConditionActionListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SpecialConditionActionListType			Records student-specific special conditions during the test.	ActionList (SpecialCondition/@Code)
SpecialCondition	MR	000389 https://ceds.ed.gov/element/000389	A description of the special condition. Student special conditions are different from special conditions of the test. Examples Fire drill during test. Air conditioning broke during the request. Assessment was given over three days instead of in one sitting.	ActionListSpecialConditionType

Table A.715-1: SpecialConditionActionListType

A.716 SpecialEductionType

For tracking common special eduction effort.

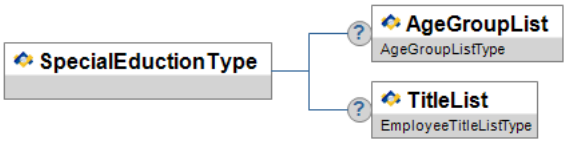

Figure A.716-1: SpecialEductionType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SpecialEductionType				
AgeGroupList	O		The groups of students by age receiving special education.	AgeGroupListType
TitleList	O		Titles of personnel employed and contracted to provide special education and related services for children with disabilities.	EmployeeTitleListType

Table A.716-1: SpecialEductionType

A.717 SSNType

Social Security Number

Figure A.717-1: SSNType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SSNType			Social Security Number	xs:token

Table A.717-1: SSNType

JSON

```
{
  "SSN": "590651225"
}
```

XML

```
<SSN>590651225</SSN>
```

Example A.717-1: SSNType

A.718 StaffAssignmentItinerantTeacherType

Is this staff itinerant for this assignment?

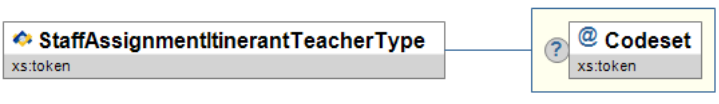

Figure A.718-1: StaffAssignmentItinerantTeacherType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StaffAssignmentItinerantTeacherType	O	000528 https://ceds.ed.gov/element/000528	Is this staff itinerant for this assignment?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.718-1: StaffAssignmentItinerantTeacherType

A.719 StaffListType

Figure A.719-1: StaffListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StaffListType	O			List
	StaffPersonalRefId	MR		GUID that identifies the staff person.	IdRefType

Table A.719-1: StaffListType

A.720 StaffParametersType

Characteristics of the staff person identified by the district which the state uses to perform its matching logic.

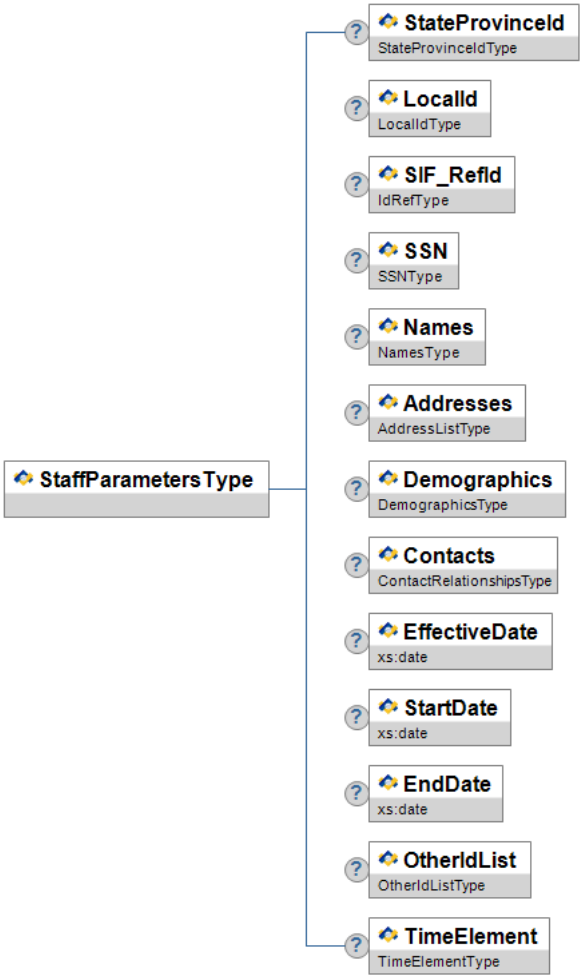

Figure A.720-1: StaffParametersType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StaffParametersType			Characteristics of the staff person identified by the district which the state uses to perform its matching logic.	
StateProvinceId	O		Specified if the requesting agency believes it knows the person's state Id.	StateProvinceIdType
LocalId	O		This is the requesting agent's unique Id for the person.	LocalIdType
SIF_RefId	O		Requesting agency's local zone's GUID of the person's data source object.	IdRefType
SSN	O		Social security number of the person.	SSNType
Names	O		The name(s) of the person.	NamesType
Addresses	O		The address(es) of the person.	AddressListType
Demographics	O		Demographic information about the person. This will typically be the core matching information. Privacy considerations may mean that it is filled differently here than it might be in a local object, but it must include enough to drive the state's matching algorithms.	DemographicsType
Contacts	O		Typically used to provide the state information about a person's parents and legal guardians.	ContactRelationshipsType
EffectiveDate	O		This should match StudentSchoolEnrollment/EntryDate.	xs:date
StartDate	O		Start date for a range that is being requested. In most cases this will correspond to the school entry date.	xs:date
EndDate	O		End date for a range that is being requested. In most cases this will correspond to the school exit date.	xs:date
OtherIdList	O		Additional person identifiers not represented elsewhere in Characteristics (e.g. the driver's license number of the person).	OtherIdListType
TimeElement	O		SIF_Metadata's TimeElement may be specified to indicate a time duration to which the characteristics apply (as opposed to adding new elements to Characteristics). This metadata may be supplied by systems that know a student existed in a district during a certain time period (e.g. a system initiating a student record exchange). If the responder is able to make use of the metadata, it may do so to narrow down the student look-up; otherwise the metadata can be ignored or logged.	TimeElementType

Table A.720-1: StaffParametersType

A.721 StaffPersonalDataSummary2Type

Collects elements of interest from StaffPersonal.

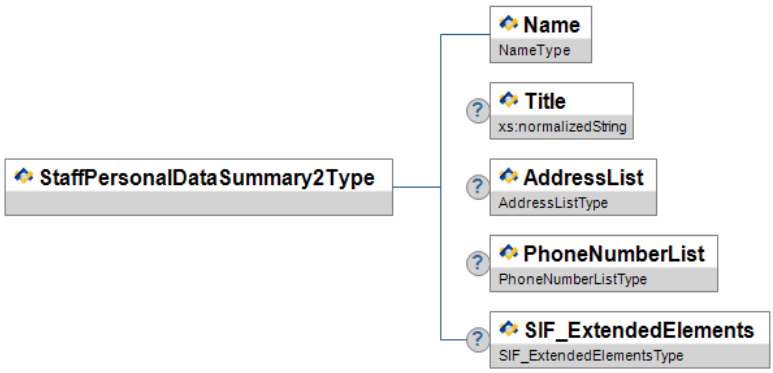

Figure A.721-1: StaffPersonalDataSummary2Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StaffPersonalDataSummary2Type			Collects elements of interest from StaffPersonal.	
Name	M			NameType
Title	O			xs:normalizedString
AddressList	O			AddressListType
PhoneNumberList	O			PhoneNumberListType
SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.721-1: StaffPersonalDataSummary2Type

A.722 StaffPersonalDataSummaryType

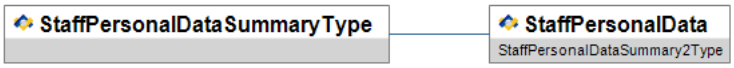

Figure A.722-1: StaffPersonalDataSummaryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StaffPersonalDataSummaryType				
StaffPersonalData	M		Collects elements of interest from StaffPersonal.	StaffPersonalDataSummary2Type

Table A.722-1: StaffPersonalDataSummaryType

A.723 StandardHierarchyLevelType

Description of hierarchical level within standards tree.

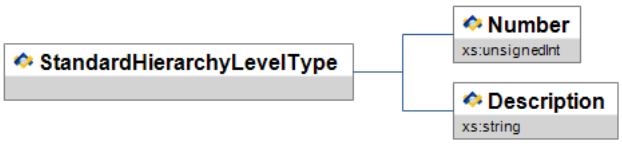

Figure A.723-1: StandardHierarchyLevelType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StandardHierarchyLevelType			Description of hierarchical level within standards tree.	
Number	M		Integer assigned to each hierarchical level within the CurriculumStructure tree. The top level is 1.	xs:unsignedInt

Element/@Attribute	Char	CEDS Id/URL	Description	Type
Description	M		Used to describe what role this is serving in the structure. Some curriculum objects describe their levels in terms of programs of study, courses and units. Others use other terms.	xs:string

Table A.723-1: StandardHierarchyLevelType

A.724 StandardIdentifierType

This element describes the unique identifier for each LearningStandard.

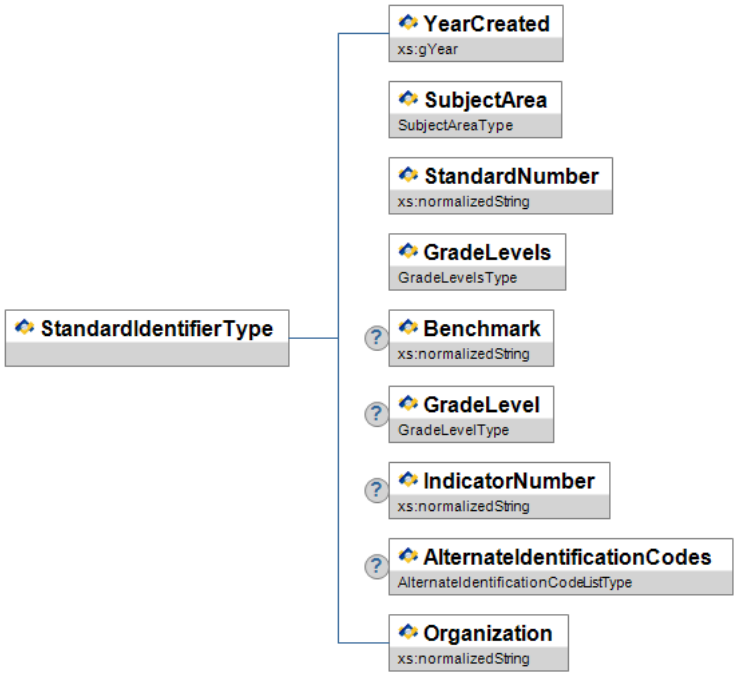

Figure A.724-1: StandardIdentifierType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StandardIdentifierType	O		This element describes the unique identifier for each LearningStandard.	
YearCreated	M		This represents the year that this specific learning standard was created. This is important to indicate as standards are updated to reflect the appropriate year it was created. This would be assigned and unique to the standard setting body.	xs:gYear
SubjectArea	M		This represents the subject or content area this learning standard addresses. This would be assigned and unique to the standard setting body.\	SubjectAreaType
StandardNumber	M		This is the specific number of the standard. For example, if the subject is mathematics and this standard is Patterns, Functions and Algebra, this would be StandardNumber 1. This would be assigned and unique to the standard setting body.	xs:normalizedString
GradeLevels	M		This represents the grade level(s) this specific learning standard will address. This may be addressed in different ways. Some states have a grade level that covers several grades and others have just one grade. This would be assigned and unique to the standard setting body.	GradeLevelsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
Benchmark	O		This is the next level within the hierarchy of the learning standard. For example, if the subject is mathematics and the standard is algebra, this would be the next delineation - Represent an unknown quantity as a variable using a symbol, including letters. This would be assigned and unique to the standard setting body.	xs:normalizedString
GradeLevel	O		This is the specific grade level. This is to be utilized if the GradeLevel covers several grades. This would be assigned and unique to the standard setting body.	GradeLevelType
IndicatorNumber	O		This would be the most granular level of the learning standard associated with the grade level. Following the same example, an indicator for Algebra GradeLevel 5-7, the indicator for the benchmark above at 6 grade would be to Evaluate simple expressions by replacing variables with given values, and use formulas in problem-solving situations. This would be assigned and unique to the standard setting body.	xs:normalizedString
AlternateIdentificationCodes	O		This element is for an organization to utilize for an internal code. This may be used for an alignment schema or other purposes that are only internal for the organization.	AlternateIdentificationCodeListType
Organization	M		Name of organization represented by the document, i.e., "National Council of Teachers of Mathematics (NCTM)," "Washington," "Seattle School District." This is the name of the organization that has this AlternateIdentificationCode. This should be a text field.	xs:normalizedString

Table A.724-1: StandardIdentifierType

A.725 StandardsSettingBodyType

The name of the state or organization that authored and manages updates to the standards document (e.g., NCTM, Ohio Department of Education).

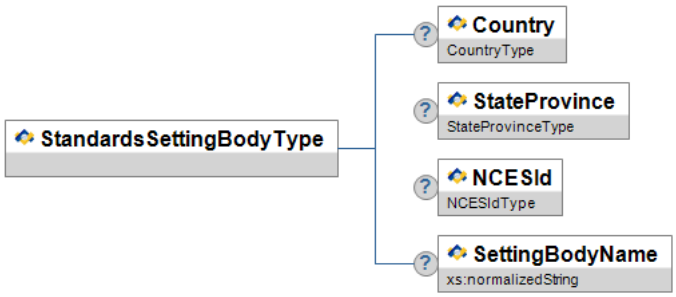

Figure A.725-1: StandardsSettingBodyType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StandardsSettingBodyType			The name of the state or organization that authored and manages updates to the standards document (e.g., NCTM, Ohio Department of Education).	
Country	O		The country of the standard setting body.	CountryType
StateProvince	O	000518 https://ceds.ed.gov/element/000518	The state or province of the standard setting body.	StateProvinceType
NCESId	O	000517 https://ceds.ed.gov/element/000517	National Center for Education Statistics Id.	NCESIdType
SettingBodyName	O		The text version of the organization's name.	xs:normalizedString

Table A.725-1: StandardsSettingBodyType

A.726 StateCourseCodeType

State-defined standard course code used to report information about courses.

Figure A.726-1: StateCourseCodeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StateCourseCodeType			State-defined standard course code used to report information about courses.	xs:normalizedString

Table A.726-1: StateCourseCodeType

JSON

```
{
  "StateCourseCode": "08-001"
}
```

XML

```
<StateCourseCode>08-001</StateCourseCode>
```

Example A.726-1: StateCourseCodeType

A.727 StateJobTitleListType

A list of state job titles to the employee holds.

Figure A.727-1: StateJobTitleListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StateJobTitleListType	O		A list of state job titles to the employee holds.	List
StateJobTitle	MR		A state job title the employee holds.	StateJobTitleType

Table A.727-1: StateJobTitleListType

A.728 StateJobTitleType

A state job title the employee holds.

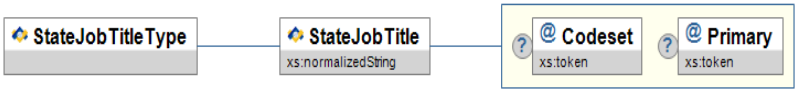

Figure A.728-1: StateJobTitleType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StateJobTitleType	M		A state job title the employee holds.	
StateJobTitle	M		The text of the state job title the employee holds.	xs:normalizedString

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
@	Primary	O		An indicator that this is the primary state job title for this employee. This attribute MUST appear for only one item in the list.	xs:token

Table A.728-1: StateJobTitleType

A.729 StatementCodeListType

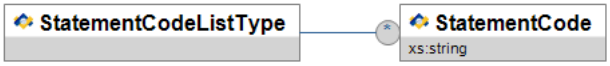

Figure A.729-1: StatementCodeListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StatementCodeListType	O			List
	StatementCode	OR	000692 https://ceds.ed.gov/element/000692	An alphanumeric Id code as defined by the organization to identify the statement.	xs:string

Table A.729-1: StatementCodeListType

A.730 StatementListType

A list of texts of the "standard," or "benchmark."

Figure A.730-1: StatementListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StatementListType			A list of texts of the "standard," or "benchmark."	List
	Statement	MR	000690 https://ceds.ed.gov/element/000690	The text of the "standard," or "benchmark."	xs:string

Table A.730-1: StatementListType

A.731 StateProvinceIdType

This is a common element used to define the state or province assigned identifier associated with an entity. It is used in StudentPersonal, StaffPersonal, and other objects.

Figure A.731-1: StateProvinceIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StateProvinceIdType			The identifier for this entity as assigned by the state or province.	xs:normalizedString

Table A.731-1: StateProvinceIdType

JSON

```
{
  "StateProvinceId": "L65432765"
}
```

XML

```
<StateProvinceId>L65432765</StateProvinceId>
```

Example A.731-1: StateProvinceIdType

A.732 StateProvinceType

A state or province code. Note: When dealing with countries other than the United States or Canada, state/province codes/values other than those referenced here can be used.

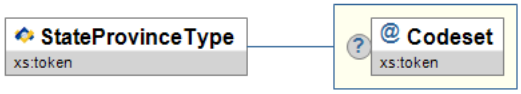

Figure A.732-1: StateProvinceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StateProvinceType			A state or province code. Note: When dealing with countries other than the United States or Canada, state/province codes/values other than those referenced here can be used.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.732-1: StateProvinceType

JSON

```
{
  "StateProvince": "IL"
}
```

XML

```
<StateProvince>IL</StateProvince>
```

Example A.732-1: StateProvinceType

A.733 StreetType

The street element is a complex element and breaks the street down into several parts.

The type of street. For example, Lane, Blvd., Ave., etc.

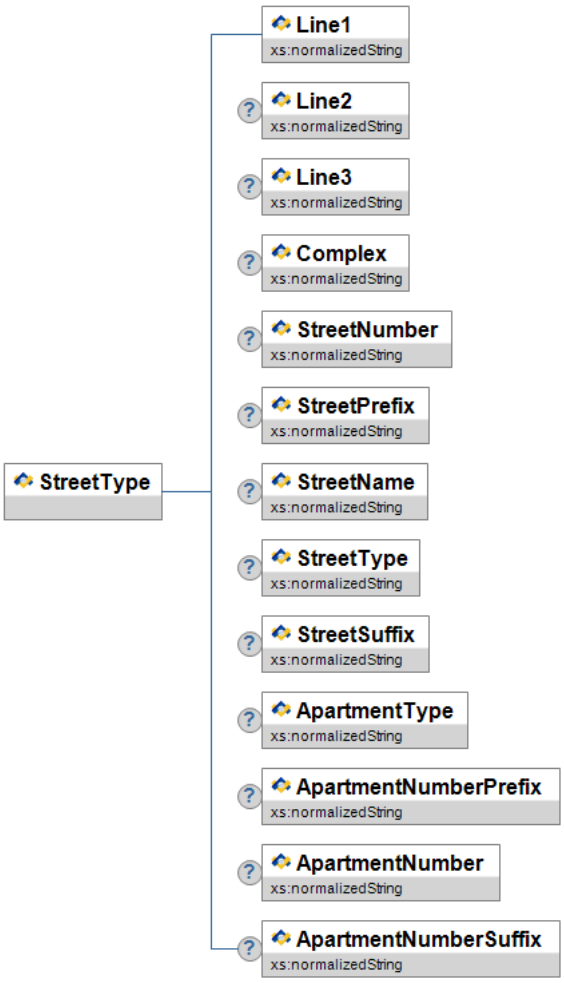

Figure A.733-1: StreetType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StreetType	M		The street element is a complex element and breaks the street down into several parts.	
Line1	M		Address line 1.	xs:normalizedString
Line2	O		Address line 2.	xs:normalizedString
Line3	O		Address line 3.	xs:normalizedString
Complex	O		Name of the complex.	xs:normalizedString
StreetNumber	O	000269 https://ceds.ed.gov/element/000269	The address number assigned to the building.	xs:normalizedString
StreetPrefix	O		Street prefix like NE	xs:normalizedString
StreetName	O	000269 https://ceds.ed.gov/element/000269	The name of the street.	xs:normalizedString
StreetType	O		The type of street. For example, Lane, Blvd., Ave., etc.	xs:normalizedString

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StreetSuffix	O		Street suffix like SW.	xs:normalizedString
ApartmentType	O		Type of apartment, for example, Suite.	xs:normalizedString
ApartmentNumberPrefix	O		Apartment number prefix.	xs:normalizedString
ApartmentNumber	O		The number of the apartment.	xs:normalizedString
ApartmentNumberSuffix	O		Apartment number suffix.	xs:normalizedString

Table A.733-1: StreetType

A.734 StudentActivityTypeType

Information regarding the co-curricular or extra-curricular activity.

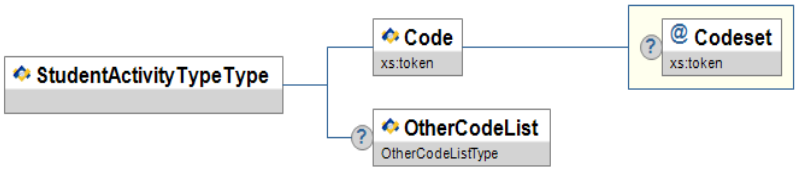

Figure A.734-1: StudentActivityTypeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentActivityTypeType	M		Information regarding the co-curricular or extra-curricular activity.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Code	M	000006 https://ceds.ed.gov/element/000006	Code identifying the co-curricular or extra-curricular activity.	xs:token subset: 0721 0729 0628 0683 0700 0629 0677 0630 0631 0633 0634 0718 0691 0713 0667 0722 0680 0701 0635 0636 0684 0685 0707 0637 0696 0688 0694 0705 0639 0638 0640 0724 0702 0703 0719 0641 0642 0706 0644 0679 0690 0717 0645 0697 0693 0646 0732 0674 0676 0673 0730 0726 0704 0727 0678 9999 0725 0735 0681 0689 0668 0672 0714 0647 0733 0648 0664 0649 0650 0699 0665 0651 0652 0653 0723 0695 0655 0728 0716 0656 0657 0658 0708 0659 0682 0734 0660 0715 0712 0661 0662 0663 0692
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.734-1: StudentActivityTypeType

A.735 StudentAttendanceAuditInfoType

An audit trail to help determine who entered this attendance event and when.

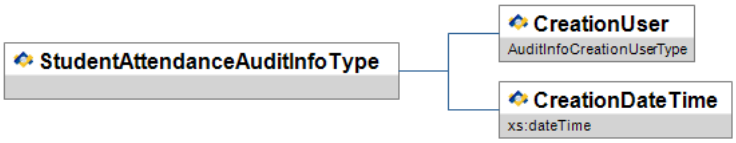

Figure A.735-1: StudentAttendanceAuditInfoType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentAttendanceAuditInfoType			An audit trail to help determine who entered this attendance event and when.	
	CreationUser	M		Information about which staff member created this attendance record.	AuditInfoCreationUserType
	CreationDateTime	M		The date and time of this attendance record was created.	xs:dateTime

Table A.735-1: StudentAttendanceAuditInfoType

A.736 StudentCareerTechnicalDisplacedHomemakerType

A person who ; (A) (i) has worked primarily without remuneration to care for a home and family, and for that reason has diminished marketable skills; (ii) has been dependent on the income of another family member but is no longer supported by that income; or (iii) is a parent whose youngest dependent child will become ineligible to receive assistance under part A of title IV of the Social Security Act (42 U.S.C. 601 et seq.) not later than 2 years after the date on which the parent applies for assistance under such title; and (B) is unemployed or underemployed and is experiencing difficulty in obtaining or upgrading employment.

Figure A.736-1: StudentCareerTechnicalDisplacedHomemakerType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentCareerTechnicalDisplacedHomemakerType	O	000084 https://ceds.ed.gov/element/000084	A person who ; (A) (i) has worked primarily without remuneration to care for a home and family, and for that reason has diminished marketable skills; (ii) has been dependent on the income of another family member but is no longer supported by that income; or (iii) is a parent whose youngest dependent child will become ineligible to receive assistance under part A of title IV of the Social Security Act (42 U.S.C. 601 et seq.) not later than 2 years after the date on which the parent applies for assistance under such title; and (B) is unemployed or underemployed and is experiencing difficulty in obtaining or upgrading employment.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.736-1: StudentCareerTechnicalDisplacedHomemakerType

A.737 StudentCareerTechnicalNontraditionalGenderStatusType

An indication of whether CTE participants were members of an underrepresented gender group (where one gender comprises less than 25 percent of the persons employed in those occupations or field of work).

Figure A.737-1: StudentCareerTechnicalNontraditionalGenderStatusType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentCareerTechnicalNontraditionalGenderStatusType	O	000588 https://ceds.ed.gov/element/000588	An indication of whether CTE participants were members of an underrepresented gender group (where one gender comprises less than 25 percent of the persons employed in those occupations or field of work).	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.737-1: StudentCareerTechnicalNontraditionalGenderStatusType

A.738 StudentCareerTechnicalParticipantType

An indication a student has met the state-defined threshold of Career and Technical Education participation as defined in the State's approved Perkins IV State Plan.

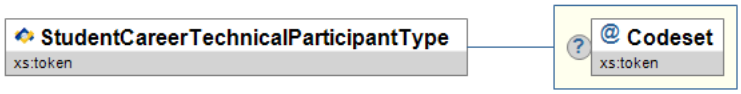

Figure A.738-1: StudentCareerTechnicalParticipantType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentCareerTechnicalParticipantType	O	000592 https://ceds.ed.gov/element/000592	An indication a student has met the state-defined threshold of Career and Technical Education participation as defined in the State's approved Perkins IV State Plan.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.738-1: StudentCareerTechnicalParticipantType

A.739 StudentCareerTechnicalSingleParentOrSinglePregnantWomanType

A student who, at some time during the school year, is either a pregnant female student who is unmarried; or a male or female student who is unmarried or legally separated from a spouse and has a minor child or children.

Figure A.739-1: StudentCareerTechnicalSingleParentOrSinglePregnantWomanType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentCareerTechnicalSingleParentOrSinglePregnantWomanType	O	000580 https://ceds.ed.gov/element/000580	A student who, at some time during the school year, is either a pregnant female student who is unmarried; or a male or female student who is unmarried or legally separated from a spouse and has a minor child or children.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.739-1: StudentCareerTechnicalSingleParentOrSinglePregnantWomanType

A.740 StudentContactPersonalOptOutEmailType

A "yes" value indicates person may only be contacted as authorized via email. This usually indicates they have requested contact be limited to essential purposes and use/release of their contact information (e.g. to Parent Teacher organizations) may be limited.

Figure A.740-1: StudentContactPersonalOptOutEmailType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentContactPersonalOptOutEmailType	O		A "yes" value indicates person may only be contacted as authorized via email. This usually indicates they have requested contact be limited to essential purposes and use/release of their contact information (e.g. to Parent Teacher organizations) may be limited.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.740-1: StudentContactPersonalOptOutEmailType

A.741 StudentContactsSummaryType

Reports up to two parents/guardians of the student.

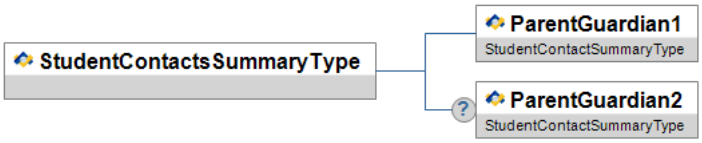

Figure A.741-1: StudentContactsSummaryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentContactsSummaryType			Reports up to two parents/guardians of the student.	
	ParentGuardian1	M		First parent/guardian.	StudentContactSummaryType
	ParentGuardian2	O		Second parent/guardian.	StudentContactSummaryType

Table A.741-1: StudentContactsSummaryType

A.742 StudentContactSummaryType

A parent/guardian.

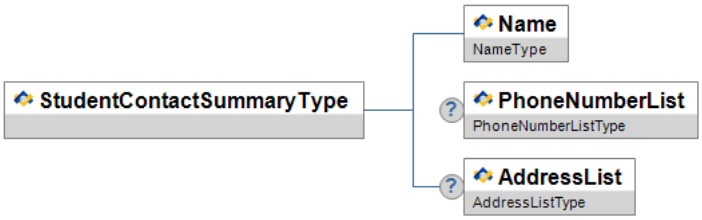

Figure A.742-1: StudentContactSummaryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentContactSummaryType	O		A parent/guardian.	
	Name	M			NameType
	PhoneNumberList	O			PhoneNumberListType
	AddressList	O			AddressListType

Table A.742-1: StudentContactSummaryType

A.743 StudentEntryTypeType

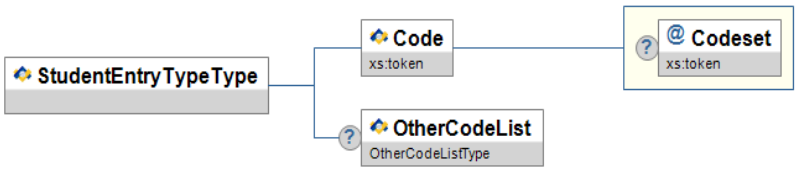

Figure A.743-1: StudentEntryTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentEntryTypeType				
	Code	M	000099 https://ceds.ed.gov/element/000099	Code indicating the type of entry for this affiliation.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.743-1: StudentEntryTypeType

A.744 StudentExitStatusType

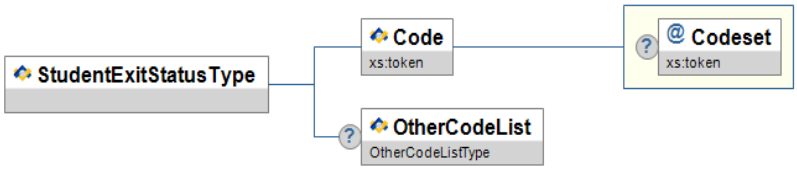

Figure A.744-1: StudentExitStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentExitStatusType				
	Code	M	000108 https://ceds.ed.gov/element/000108	Code indicating the exit status for this affiliation.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.744-1: StudentExitStatusType

A.745 StudentExitTypeType

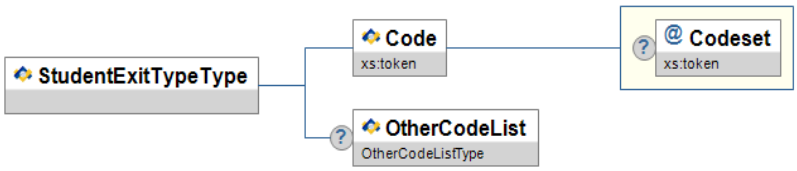

Figure A.745-1: StudentExitTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentExitTypeType				
	Code	M	000110 https://ceds.ed.gov/element/000110	Code indicating the type of exit for this affiliation.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Element/@Attribute	Char	CEDS Id/URL	Description	Type
OtherCodeList	O			OtherCodeListType

Table A.745-1: StudentExitTypeType

A.746 StudentGradeGradeType

This is the one grade given for this student and section. At least one numeric, percentage or letter must be provided as defined in the fields below. If `Numeric` is entered, `OutOf`, `Low` and `High` must also be entered.

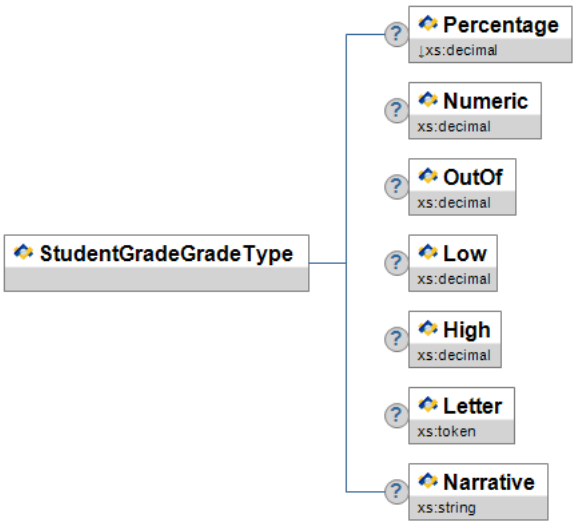

Figure A.746-1: StudentGradeGradeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentGradeGradeType			This is the one grade given for this student and section. At least one numeric, percentage or letter must be provided as defined in the fields below. If `Numeric` is entered, `OutOf`, `Low` and `High` must also be entered.	
Percentage	C		The grade percentage for this grade (0.00-100.00).	xs:decimal xs:minInclusive 0.00 xs:maxInclusive 100.00
Numeric	C		The raw numeric value for this grade. If this is provided, the `OutOf`, `Low` and `High` must be entered.	xs:decimal
OutOf	C		This is the high value equivalent to 100% without extra points or extra credit (e.g. if a student received 3.5 out of 4, 4 would be the `Grade/OutOf` value and 3.5 would be the `Grade/Numeric` value).	xs:decimal
Low	C		Lowest grade value in the range for the numeric grade.	xs:decimal
High	C		Highest grade value in the range for the numeric grade. NOTE: This could be higher than the `Grade/OutOf` value.	xs:decimal
Letter	C	000093 https://ceds.ed.gov/element/000093	The letter grade value for this grade. If this is provided, the numeric value or percentage value must also be entered in order to provide a numeric value for the grade to be utilized in any computations.	xs:token
Narrative	O	000124 https://ceds.ed.gov/element/000124	The free form text narrative for this grade.	xs:string

Table A.746-1: StudentGradeGradeType

A.747 StudentLEARelationship2Type

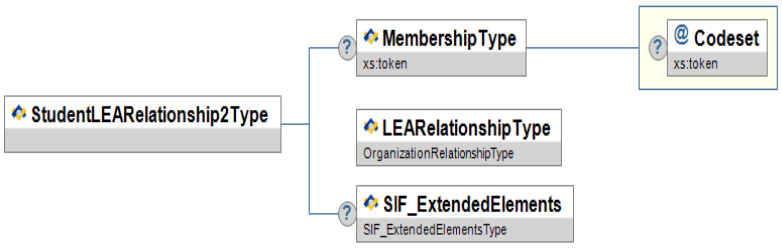

Figure A.747-1: StudentLEARelationship2Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentLEARelationship2Type				
	MembershipType	O		The type of this affiliation as it relates to the LEA identified.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	LEARelationshipType	M		An instance of the OrganizationRelationshipType common type that describes the details of the student's affiliation with the LEA.	OrganizationRelationshipType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.747-1: StudentLEARelationship2Type

A.748 StudentLEARelationshipNonResidentAttendReasonType

Indicates the reason that the student has an affiliation with this LEA if the student is a not a resident of the LEA.

The conditional characteristic of this element is defined such that if the LEA participating in this affiliation is outside of the student's usual attendance area, as indicated in the `LEARelationshipType/ResidencyStatus` element, then this element must be reported.

Figure A.748-1: StudentLEARelationshipNonResidentAttendReasonType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentLEARelationshipNonResidentAttendReasonType	C		Indicates the reason that the student has an affiliation with this LEA if the student is a not a resident of the LEA. The conditional characteristic of this element is defined such that if the LEA participating in this affiliation is outside of the student's usual attendance area, as indicated in the `LEARelationshipType/ResidencyStatus` element, then this element must be reported.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.748-1: StudentLEARelationshipNonResidentAttendReasonType

A.749 StudentMigrantContinuationOfServicesReasonType

Reason why the student is being served under the continuation of services provision of the MEP.

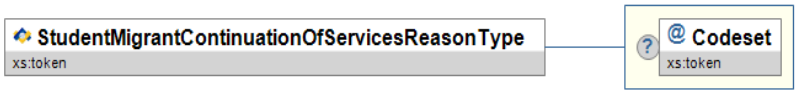

Figure A.749-1: StudentMigrantContinuationOfServicesReasonType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentMigrantContinuationOfServicesReasonType	O	000429 https://ceds.ed.gov/element/000429	Reason why the student is being served under the continuation of services provision of the MEP.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.749-1: StudentMigrantContinuationOfServicesReasonType

A.750 StudentMigrantContinuationOfServicesStatusType

An indication that migrant children are receiving instructional or support services under the continuation of services authority ESEA Title III Section 1304(e)(2)-(3).

Figure A.750-1: StudentMigrantContinuationOfServicesStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentMigrantContinuationOfServicesStatusType	O	000563 https://ceds.ed.gov/element/000563	An indication that migrant children are receiving instructional or support services under the continuation of services authority ESEA Title III Section 1304(e)(2)-(3).	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.750-1: StudentMigrantContinuationOfServicesStatusType

A.751 StudentMigrantEnrollmentTypeType

The type of school/migrant education project in which instruction and/or support services are provided.

Figure A.751-1: StudentMigrantEnrollmentTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentMigrantEnrollmentTypeType	O	000437 https://ceds.ed.gov/element/000437	The type of school/migrant education project in which instruction and/or support services are provided.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.751-1: StudentMigrantEnrollmentTypeType

A.752 StudentMigrantParticipationStatusType

An indicator of whether the student is served by a Migrant Education Program (MEP).

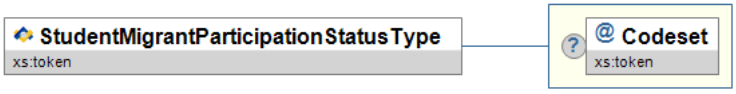

Figure A.752-1: StudentMigrantParticipationStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentMigrantParticipationStatusType	O	000185 https://ceds.ed.gov/element/000185	An indicator of whether the student is served by a Migrant Education Program (MEP).	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.752-1: StudentMigrantParticipationStatusType

A.753 StudentMigrantPrioritizedForServicesType

An indication that a migratory child 1) is failing to meet, or most at risk of failing to meet, the state's challenging academic content standards and student academic achievement standards; and 2) has experienced interruptions in their education during the regular school year.

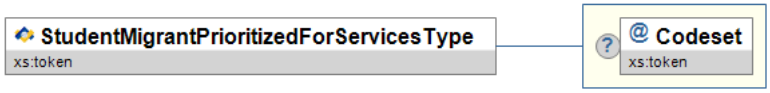

Figure A.753-1: StudentMigrantPrioritizedForServicesType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentMigrantPrioritizedForServicesType	O	000562 https://ceds.ed.gov/element/000562	An indication that a migratory child 1) is failing to meet, or most at risk of failing to meet, the state's challenging academic content standards and student academic achievement standards; and 2) has experienced interruptions in their education during the regular school year.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.753-1: StudentMigrantPrioritizedForServicesType

A.754 StudentMostRecentContainerType

Container for elements reflecting the most recent enrollment of a student. If the student is currently enrolled in the district, the elements contain current information.

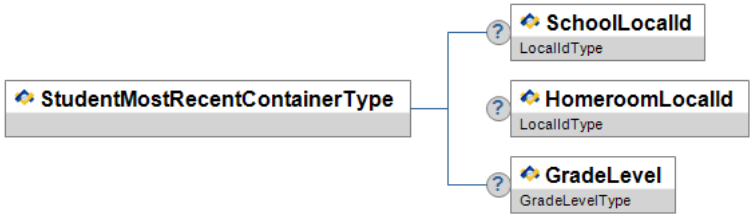

Figure A.754-1: StudentMostRecentContainerType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentMostRecentContainerType	O		Container for elements reflecting the most recent enrollment of a student. If the student is currently enrolled in the district, the elements contain current information.	
	SchoolLocalId	O		Local identifier representing the school in which the student is or was most recently enrolled in the district.	LocalIdType
	HomeroomLocalId	O		Local identifier representing the current or most recent homeroom in which the student is or was most recently assigned in the district. Use the value from `RoomInfo/HomeroomNumber` if supported. If not supported, use the value from `RoomInfo/RoomNumber`. If neither is supported, use the most appropriate value from the agent's application.	LocalIdType
	GradeLevel	O		The current or most recent grade level of the student in the district.	GradeLevelType

Table A.754-1: StudentMostRecentContainerType

A.755 StudentParametersType

Characteristics of the student identified by the district which the state uses to perform its locator matching logic.

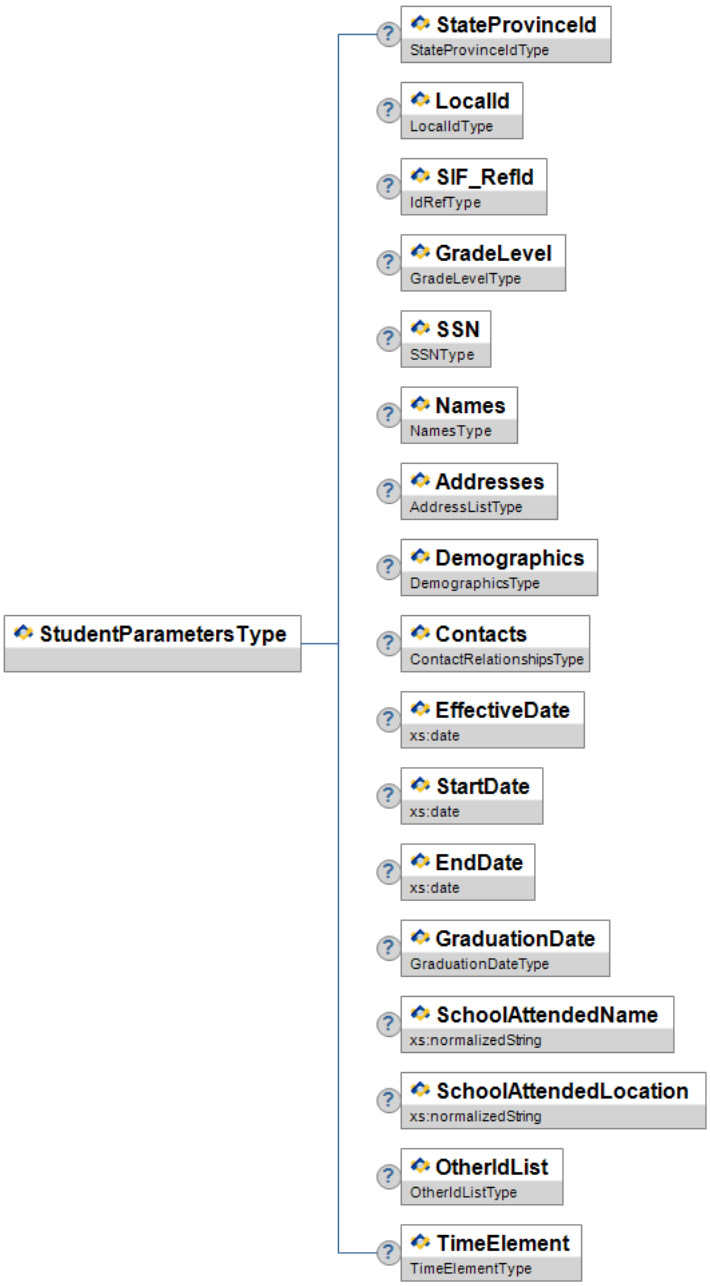

Figure A.755-1: StudentParametersType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentParametersType			Characteristics of the student identified by the district which the state uses to perform its locator matching logic.	
StateProvinceId	O		Specified if the requesting agency believes it knows the person's state Id.	StateProvinceIdType
LocalId	O		This is the requesting agent's unique Id for the person.	LocalIdType
SIF_RefId	O		Requesting agency's local zone's GUID of the student's data source object.	IdRefType
GradeLevel	O		The student's current grade level.	GradeLevelType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SSN	O		Social security number of the person.	SSNType
Names	O		The name(s) of the person.	NamesType
Addresses	O		The address(es) of the person.	AddressListType
Demographics	O		Demographic information about the person. This will typically be the core matching information. Privacy considerations may mean that it is filled differently here than it might be in a local object, but it must include enough to drive the state's matching algorithms.	DemographicsType
Contacts	O		Typically used to provide the state information about a person's parents and legal guardians.	ContactRelationshipsType
EffectiveDate	O		This should match StudentSchoolEnrollment/EntryDate.	xs:date
StartDate	O		Start date for a range that is being requested. In most cases this will correspond to the school entry date.	xs:date
EndDate	O		End date for a range that is being requested. In most cases this will correspond to the school exit date.	xs:date
GraduationDate	O		Indicates the date the person's graduated Year, Year and Month, or Year, Month and Day may be specified. Intended to facilitate locating persons that may not be currently enrolled in a school or district, particularly in the context of locating student identifiers for initiating a request for a student's academic record. Supplied date values may often be approximations made by the entity endeavoring to request a student's academic record.	GraduationDateType
SchoolAttendedName	O		The name of the school last attended by the person.	xs:normalizedString
SchoolAttendedLocation	O		The location of the school last attended by the person (e.g. city or county name, district name, etc.).	xs:normalizedString
OtherIdList	O		Additional person identifiers not represented elsewhere in Characteristics (e.g. the driver's license number of the person).	OtherIdListType
TimeElement	O		SIF_Metadata's TimeElement may be specified to indicate a time duration to which the characteristics apply (as opposed to adding new elements to Characteristics). This metadata may be supplied by systems that know a student existed in a district during a certain time period (e.g. a system initiating a student record exchange). If the responder is able to make use of the metadata, it may do so to narrow down the student look-up; otherwise the metadata can be ignored or logged.	TimeElementType

Table A.755-1: StudentParametersType

A.756 StudentParticipationCommonReasonNotCompletingType

The primary reason a participant did not complete an assessment.

Figure A.756-1: StudentParticipationCommonReasonNotCompletingType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentParticipationCommonReasonNotCompletingType	O	000540 https://ceds.ed.gov/element/000540	The primary reason a participant did not complete an assessment.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.756-1: StudentParticipationCommonReasonNotCompletingType

A.757 StudentParticipationCommonReasonNotTestedType

The primary reason a student is not tested.

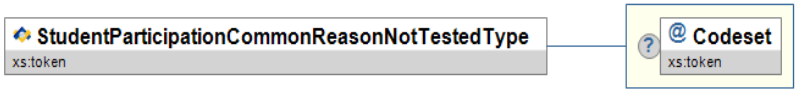

Figure A.757-1: StudentParticipationCommonReasonNotTestedType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentParticipationCommonReasonNotTestedType	O	000228 https://ceds.ed.gov/element/000228	The primary reason a student is not tested.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.757-1: StudentParticipationCommonReasonNotTestedType

A.758 StudentParticipationCommonType

This is a common element used to determine whether a student participated and/or completed.

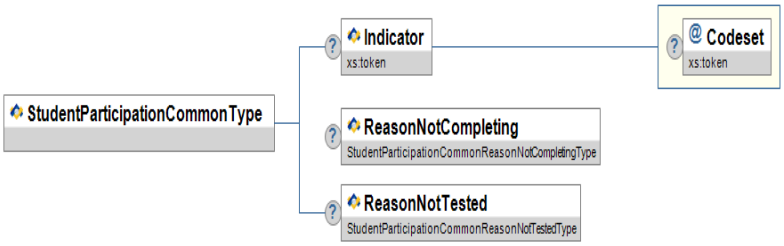

Figure A.758-1: StudentParticipationCommonType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentParticipationCommonType			Whether a student participated and/or completed.	
	Indicator	O	000025 https://ceds.ed.gov/element/000025	An indication of whether a student participated in an assessment.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ReasonNotCompleting	O			StudentParticipationCommonReasonNotCompletingType
	ReasonNotTested	O			StudentParticipationCommonReasonNotTestedType

Table A.758-1: StudentParticipationCommonType

A.759 StudentParticipationDataManagingSchoolType

The GUID of the school responsible for coordinating the student's program participation.

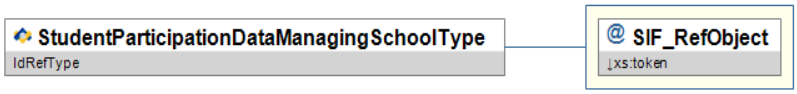

Figure A.759-1: StudentParticipationDataManagingSchoolType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentParticipationDataManagingSchoolType	O		The GUID of the school responsible for coordinating the student's program participation.	IdRefType
@	SIF_RefObject	M			values: SchoolInfo

Table A.759-1: StudentParticipationDataManagingSchoolType

A.760 StudentParticipationDataType

Collects elements of interest from StudentParticipation.

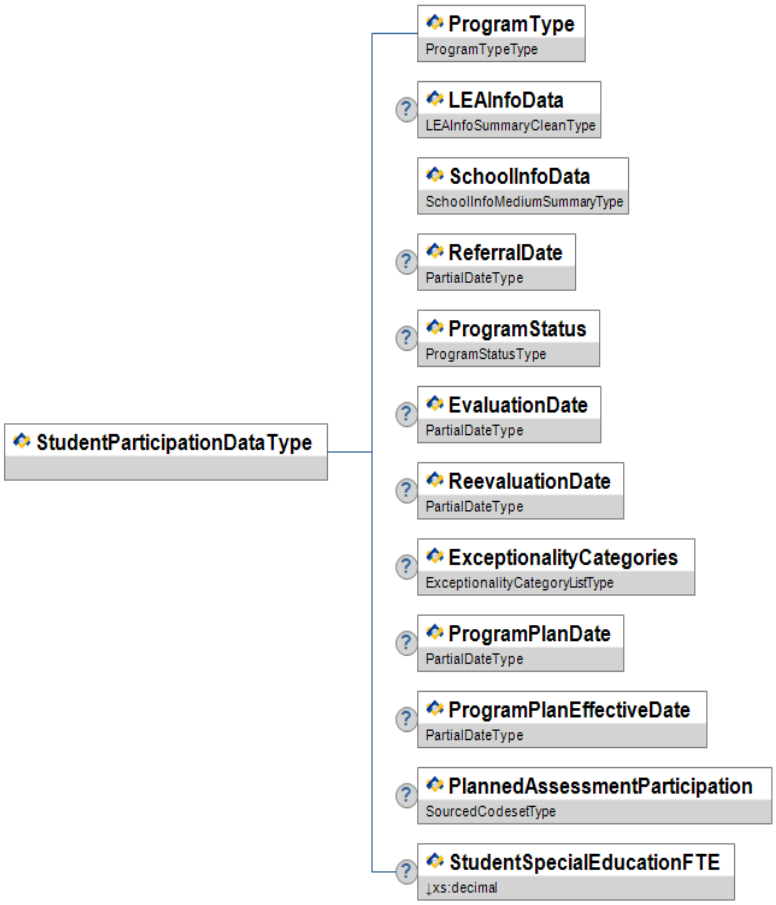

Figure A.760-1: StudentParticipationDataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentParticipationDataType	M		Collects elements of interest from StudentParticipation.	
	ProgramType	M			ProgramTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	LEAInfoData	O		Collects elements of interest from LEAInfo. Replaces GUID of ManagingPublicAgency to identify the LEA or district to which the ManagingSchool reports.	LEAInfoSummaryCleanType
	SchoolInfoData	M		Collects elements of interest from SchoolInfo. Replaces GUID of ManagingSchool which identifies the school responsible for coordinating the student's program participation.	SchoolInfoMediumSummaryType
	ReferralDate	O			PartialDateType
	ProgramStatus	O			ProgramStatusType
	EvaluationDate	O			PartialDateType
	ReevaluationDate	O			PartialDateType
	ExceptionalityCategories	O			ExceptionalityCategoryListType
	ProgramPlanDate	O			PartialDateType
	ProgramPlanEffectiveDate	O			PartialDateType
	PlannedAssessmentParticipation	O			SourcedCodesetType
	StudentSpecialEducationFTE	O		Calculated ratio of time the student is in a special ed setting. Values range from 0.00 to 1.00. If the student is in a special ed setting 25% of the time, the value is .25; if 100% of the time, the value is 1.00.	xs:decimal xs:minInclusive 0 xs:maxInclusive 1 xs:fractionDigits 2

Table A.760-1: StudentParticipationDataType

A.761 StudentParticipationManagingSchoolType

The GUID of the school responsible for coordinating the student's program participation.

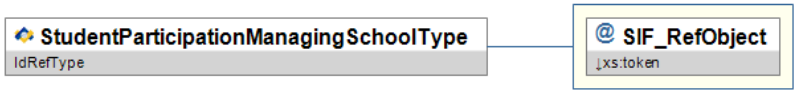

Figure A.761-1: StudentParticipationManagingSchoolType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentParticipationManagingSchoolType	O		The GUID of the school responsible for coordinating the student's program participation.	IdRefType
@	SIF_RefObject	M			values: SchoolInfo

Table A.761-1: StudentParticipationManagingSchoolType

A.762 StudentParticipationNeglectedOrDelinquentAcademicOutcomeIndicatorType

Student was served by Title I, Part D, Subpart 2 of ESEA as amended for at least 90 consecutive days during the reporting period who took both a pre- and post-test.

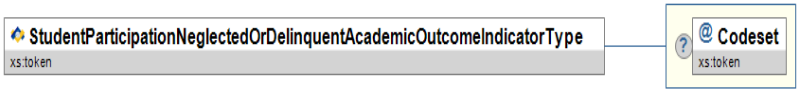

Figure A.762-1: StudentParticipationNeglectedOrDelinquentAcademicOutcomeIndicatorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentParticipationNeglectedOrDelinquentAcademicOutcomeIndicatorType	O	000636 https://ceds.ed.gov/element/000636	Student was served by Title I, Part D, Subpart 2 of ESEA as amended for at least 90 consecutive days during the reporting period who took both a pre- and post-test.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.762-1: StudentParticipationNeglectedOrDelinquentAcademicOutcomeIndicatorType

A.763 StudentParticipationNeglectedOrDelinquentAchievementIndicatorType

Student was served by Title I, Part D, Subpart 1 of ESEA as amended for at least 90 consecutive days during the reporting period who took both a pre- and post-test.

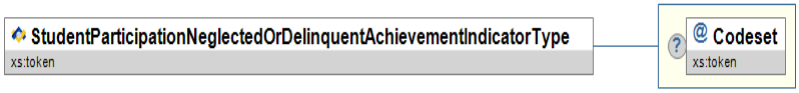

Figure A.763-1: StudentParticipationNeglectedOrDelinquentAchievementIndicatorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentParticipationNeglectedOrDelinquentAchievementIndicatorType	O	000635 https://ceds.ed.gov/element/000635	Student was served by Title I, Part D, Subpart 1 of ESEA as amended for at least 90 consecutive days during the reporting period who took both a pre- and post-test.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.763-1: StudentParticipationNeglectedOrDelinquentAchievementIndicatorType

A.764 StudentParticipationPerkinsLEPStatusType

An indication that students have Limited English Proficiency according to the definition in the Carl D. Perkins Career and Technical Education Act of 2006, which is "a secondary student, an adult, or an out-of-school youth, who has limited ability in speaking, reading, writing, or understanding English language, and (a) whose native language is a language other than English, or (b) who lives in a family or community environment in which a language other than English is the dominant language.

Figure A.764-1: StudentParticipationPerkinsLEPStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentParticipationPerkinsLEPStatusType	O	000581 https://ceds.ed.gov/element/000581	An indication that students have Limited English Proficiency according to the definition in the Carl D. Perkins Career and Technical Education Act of 2006, which is "a secondary student, an adult, or an out-of-school youth, who has limited ability in speaking, reading, writing, or understanding English language, and (a) whose native language is a language other than English, or (b) who lives in a family or community environment in which a language other than English is the dominant language.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.764-1: StudentParticipationPerkinsLEPStatusType

A.765 StudentParticipationTitleIIIAccountabilityProgressStatusType

An indication of the progress made by a student toward English proficiency.

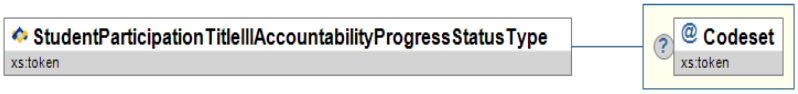

Figure A.765-1: StudentParticipationTitleIIIAccountabilityProgressStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentParticipationTitleIIIAccountabilityProgressStatusType	O	000536 https://ceds.ed.gov/element/000536	An indication of the progress made by a student toward English proficiency.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.765-1: StudentParticipationTitleIIIAccountabilityProgressStatusType

A.766 StudentParticipationTitleIIIImmigrantParticipationStatusType

An indication that an immigrant student participated in programs for immigrant children and youth funded under ESEA Title III Section 3114(d)(1) using funds reserved for immigrant education programs/activities.

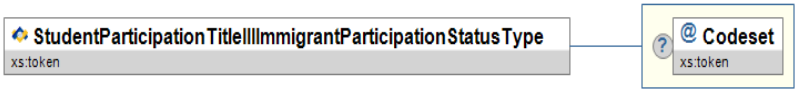

Figure A.766-1: StudentParticipationTitleIIIImmigrantParticipationStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentParticipationTitleIIIImmigrantParticipationStatusType	O	000290 https://ceds.ed.gov/element/000290	An indication that an immigrant student participated in programs for immigrant children and youth funded under ESEA Title III Section 3114(d)(1) using funds reserved for immigrant education programs/activities.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.766-1: StudentParticipationTitleIIIImmigrantParticipationStatusType

A.767 StudentPersonalDataDemographicDataType

Collects elements of interest from Demographics.

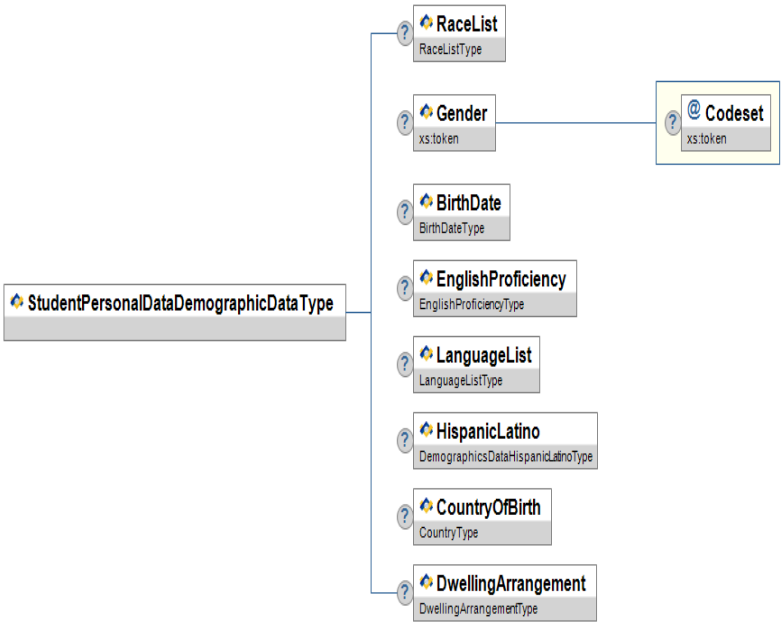

Figure A.767-1: StudentPersonalDataDemographicDataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalDataDemographicDataType			Collects elements of interest from Demographics.	
	RaceList	O			RaceListType
	Gender	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	BirthDate	O			BirthDateType
	EnglishProficiency	O		Person's proficiency in English.	EnglishProficiencyType
	LanguageList	O		List of languages an individual uses to communicate.	LanguageListType
	HispanicLatino	O			DemographicsDataHispanicLatinoType
	CountryOfBirth	O			CountryType
	DwellingArrangement	O		Setting/environment in which the person resides.	DwellingArrangementType

Table A.767-1: StudentPersonalDataDemographicDataType

A.768 StudentPersonalDataOtherIdListType

Lists all "other" identifiers associated with the student.

Figure A.768-1: StudentPersonalDataOtherIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalDataOtherIdListType	O		Lists all "other" identifiers associated with the student.	List
	OtherId	MR		Lists an "other" identifier associated with the student.	StudentPersonalDataOtherIdType

Table A.768-1: StudentPersonalDataOtherIdListType

A.769 StudentPersonalDataOtherIdType

Lists an "other" identifier associated with the student.

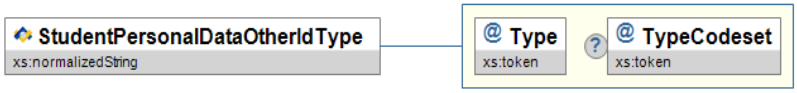

Figure A.769-1: StudentPersonalDataOtherIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalDataOtherIdType			Lists an "other" identifier associated with the student.	xs:normalizedString
@	Type	M		Code that defines the type of this other Id.	xs:token subset: 0164 0339 0338 0879 9999 0222 0764 0154 0113 5013
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.769-1: StudentPersonalDataOtherIdType

A.770 StudentPersonalDataType

Collects elements of interest from StudentPersonal.

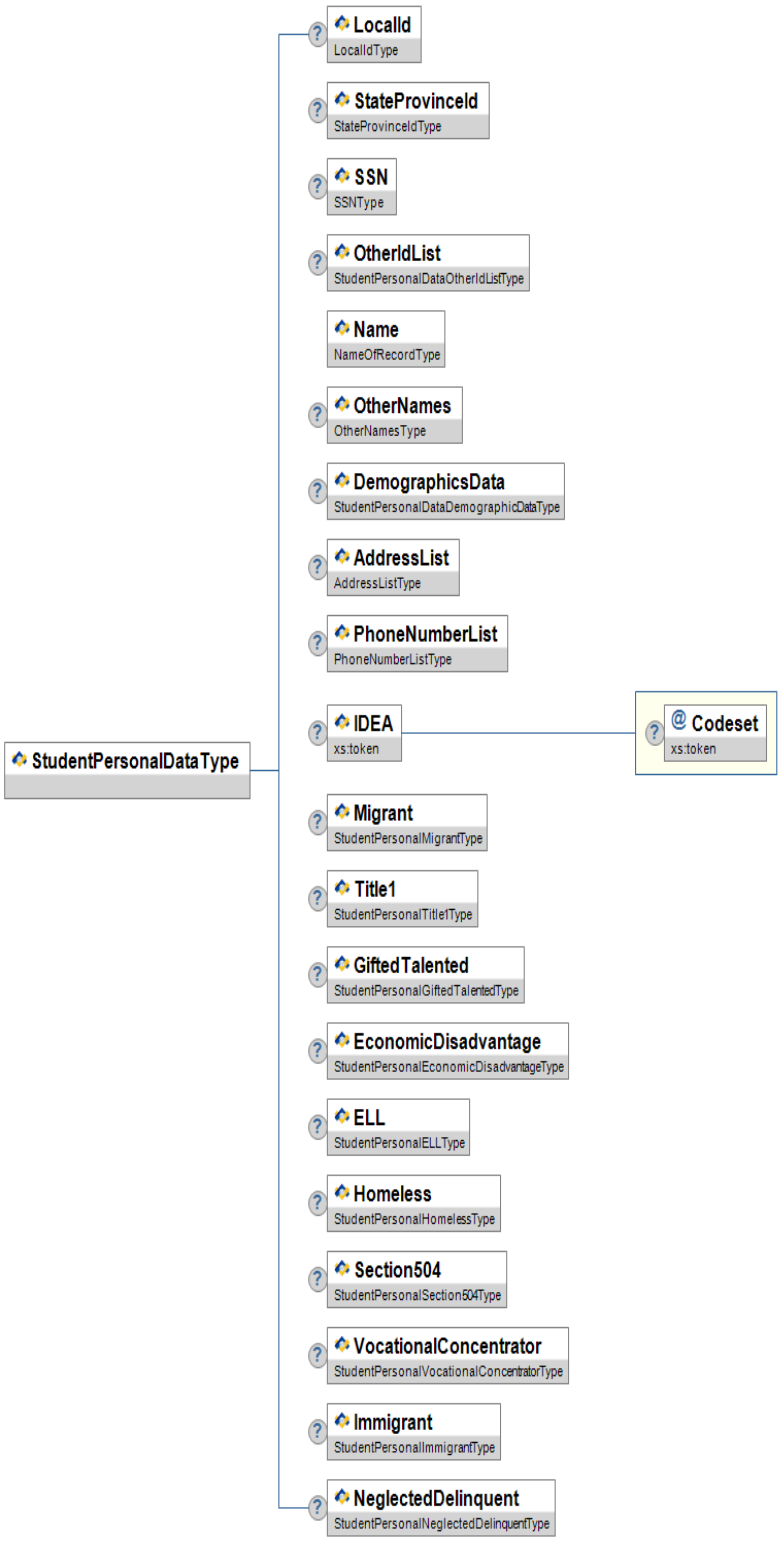

Figure A.770-1: StudentPersonalDataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalDataType			Collects elements of interest from StudentPersonal.	
	LocalId	O			LocalIdType
	StateProvinceId	O			StateProvinceIdType
	SSN	O			SSNType
	OtherIdList	O		Lists all "other" identifiers associated with the student.	StudentPersonalDataOtherIdListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Name	M		Name of the student. Note: Type value of `04` must be used here.	NameOfRecordType
	OtherNames	O		Previous, alternate or other names or aliases associated with the student.	OtherNamesType
	DemographicsData	O		Collects elements of interest from Demographics.	StudentPersonalDataDemographicDataType
	AddressList	O		The address of the student.	AddressListType
	PhoneNumberList	O			PhoneNumberListType
	IDEA	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Migrant	O			StudentPersonalMigrantType
	Title1	O			StudentPersonalTitle1Type
	GiftedTalented	O			StudentPersonalGiftedTalentedType
	EconomicDisadvantage	O			StudentPersonalEconomicDisadvantageType
	ELL	O			StudentPersonalELLType
	Homeless	O			StudentPersonalHomelessType
	Section504	O			StudentPersonalSection504Type
	VocationalConcentrator	O			StudentPersonalVocationalConcentratorType
	Immigrant	O			StudentPersonalImmigrantType
	NeglectedDelinquent	O			StudentPersonalNeglectedDelinquentType

Table A.770-1: StudentPersonalDataType

A.771 StudentPersonalEconomicDisadvantageType

Figure A.771-1: StudentPersonalEconomicDisadvantageType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalEconomicDisadvantageType	O	000086 https://ceds.ed.gov/element/000086		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.771-1: StudentPersonalEconomicDisadvantageType

A.772 StudentPersonalELLType

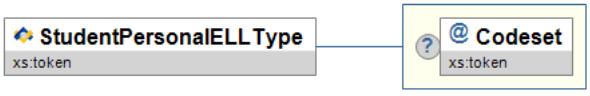

Figure A.772-1: StudentPersonalELLType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalELLType	O	000565 https://ceds.ed.gov/element/000565		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.772-1: StudentPersonalELLType

A.773 StudentPersonalGiftedTalentedType

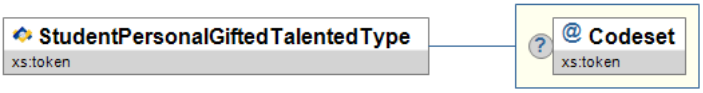

Figure A.773-1: StudentPersonalGiftedTalentedType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalGiftedTalentedType	O	000122 https://ceds.ed.gov/element/000122		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.773-1: StudentPersonalGiftedTalentedType

A.774 StudentPersonalHomelessServicedIndicatorType

An indication of whether homeless children and youth were served by a McKinney-Vento program in the state.

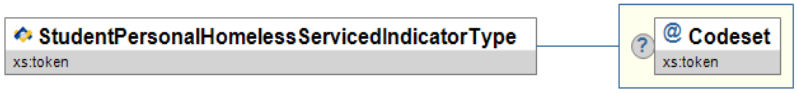

Figure A.774-1: StudentPersonalHomelessServicedIndicatorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalHomelessServicedIndicatorType	O	000147 https://ceds.ed.gov/element/000147	An indication of whether homeless children and youth were served by a McKinney-Vento program in the state.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.774-1: StudentPersonalHomelessServicedIndicatorType

A.775 StudentPersonalHomelessType

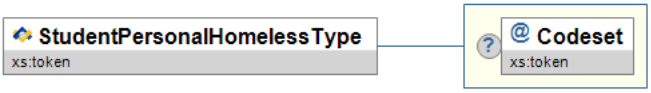

Figure A.775-1: StudentPersonalHomelessType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalHomelessType	O	000149 https://ceds.ed.gov/element/000149		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.775-1: StudentPersonalHomelessType

A.776 StudentPersonalIDEAType

Figure A.776-1: StudentPersonalIDEAType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalIDEAType	O	000151 https://ceds.ed.gov/element/000151		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.776-1: StudentPersonalIDEAType

A.777 StudentPersonalImmigrantType

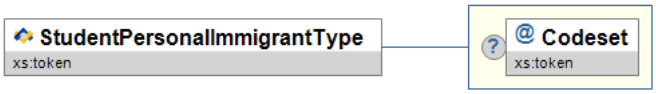

Figure A.777-1: StudentPersonalImmigrantType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalImmigrantType	O	000291 https://ceds.ed.gov/element/000291		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.777-1: StudentPersonalImmigrantType

A.778 StudentPersonalMigrantType

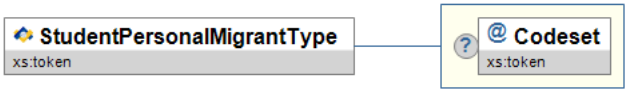

Figure A.778-1: StudentPersonalMigrantType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalMigrantType	O	000189 https://ceds.ed.gov/element/000189		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.778-1: StudentPersonalMigrantType

A.779 StudentPersonalNeglectedDelinquentType

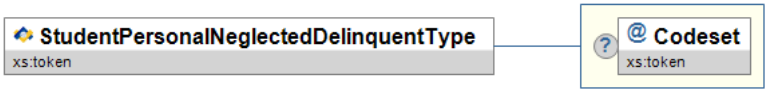

Figure A.779-1: StudentPersonalNeglectedDelinquentType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalNeglectedDelinquentType	O	000193 https://ceds.ed.gov/element/000193		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.779-1: StudentPersonalNeglectedDelinquentType

A.780 StudentPersonalRefIdListType

Links to students.

Figure A.780-1: StudentPersonalRefIdListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentPersonalRefIdListType			Links to students.	List
StudentPersonalRefId	OR		Link to a student.	IdRefType

Table A.780-1: StudentPersonalRefIdListType

A.781 StudentPersonalSection504Type

Figure A.781-1: StudentPersonalSection504Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalSection504Type	O	000249 https://ceds.ed.gov/element/000249		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.781-1: StudentPersonalSection504Type

A.782 StudentPersonalTitle1Type

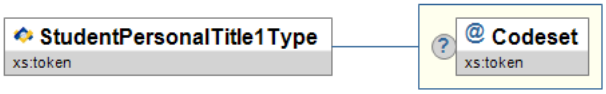

Figure A.782-1: StudentPersonalTitle1Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalTitle1Type	O	000281 https://ceds.ed.gov/element/000281		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.782-1: StudentPersonalTitle1Type

A.783 StudentPersonalVocationalConcentratorType

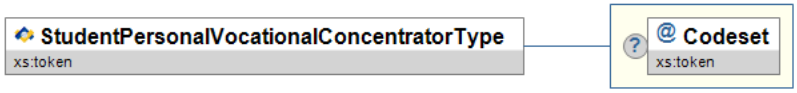

Figure A.783-1: StudentPersonalVocationalConcentratorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPersonalVocationalConcentratorType	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.783-1: StudentPersonalVocationalConcentratorType

A.784 StudentPlacementDataSchoolWhereServiceDeliveredType

The GUID of the school where the service is delivered.

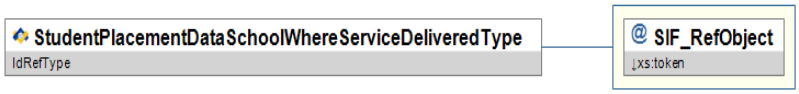

Figure A.784-1: StudentPlacementDataSchoolWhereServiceDeliveredType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPlacementDataSchoolWhereServiceDeliveredType	O		The GUID of the school where the service is delivered.	IdRefType
@	SIF_RefObject	M			values: SchoolInfo

Table A.784-1: StudentPlacementDataSchoolWhereServiceDeliveredType

A.785 StudentPlacementDataServicingSchoolType

The GUID of the school responsible for providing and coordinating this service (but physical location where service delivered could be different and is identified in SchoolWhereServiceDelivered).

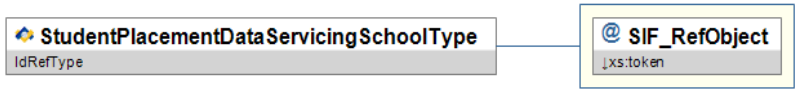

Figure A.785-1: StudentPlacementDataServicingSchoolType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPlacementDataServicingSchoolType	O		The GUID of the school responsible for providing and coordinating this service (but physical location where service delivered could be different and is identified in SchoolWhereServiceDelivered).	IdRefType
@	SIF_RefObject	M			values: SchoolInfo

Table A.785-1: StudentPlacementDataServicingSchoolType

A.786 StudentPlacementProgramFundingSourceListType

Figure A.786-1: StudentPlacementProgramFundingSourceListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPlacementProgramFundingSourceListType				List
	ProgramFundingSource	MR			StudentPlacementServiceFundingSourceType

Table A.786-1: StudentPlacementProgramFundingSourceListType

A.787 StudentPlacementSchoolWhereServiceDeliveredType

The GUID of the school where the service is delivered.

Figure A.787-1: StudentPlacementSchoolWhereServiceDeliveredType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPlacementSchoolWhereServiceDeliveredType	O		The GUID of the school where the service is delivered.	IdRefType
@	SIF_RefObject	M			values: SchoolInfo

Table A.787-1: StudentPlacementSchoolWhereServiceDeliveredType

A.788 StudentPlacementServiceFundingSourceListType

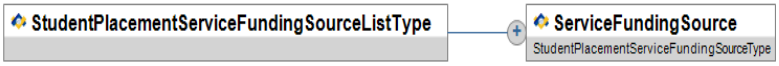

Figure A.788-1: StudentPlacementServiceFundingSourceListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPlacementServiceFundingSourceListType				List
	ServiceFundingSource	MR			StudentPlacementServiceFundingSourceType

Table A.788-1: StudentPlacementServiceFundingSourceListType

A.789 StudentPlacementServiceFundingSourceType

Funding source for the program, may be more than one.

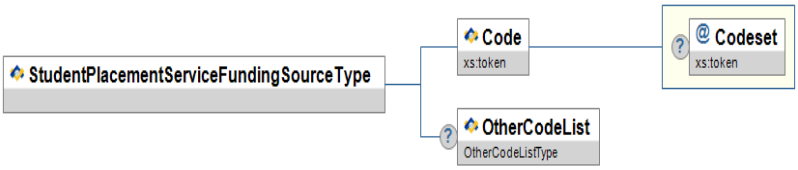

Figure A.789-1: StudentPlacementServiceFundingSourceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPlacementServiceFundingSourceType			Funding source for the program, may be more than one.	
	Code	M		Funding source for the program, may be more than one.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.789-1: StudentPlacementServiceFundingSourceType

A.790 StudentPlacementServiceType

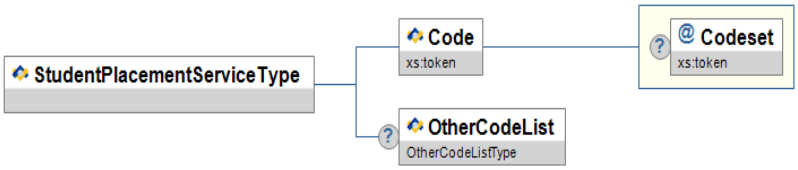

Figure A.790-1: StudentPlacementServiceType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPlacementServiceType	M			
	Code	M		Specialized instruction or related / transitional service provided to this student.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.790-1: StudentPlacementServiceType

A.791 StudentPlacementServicingSchoolType

The GUID of the school responsible for providing and coordinating this service (but physical location where service delivered could be different and is identified in SchoolWhereServiceDelivered).

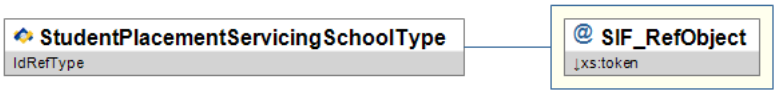

Figure A.791-1: StudentPlacementServicingSchoolType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentPlacementServicingSchoolType	O		The GUID of the school responsible for providing and coordinating this service (but physical location where service delivered could be different and is identified in SchoolWhereServiceDelivered).	IdRefType
@	SIF_RefObject	M			values: SchoolInfo

Table A.791-1: StudentPlacementServicingSchoolType

A.792 StudentProgramAccommodationAccommodationListType

Identifies the specific accommodation. At least one required if the repeating group is sent.

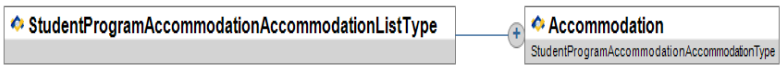

Figure A.792-1: StudentProgramAccommodationAccommodationListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentProgramAccommodationAccommodationListType			Identifies the specific accommodation. At least one required if the repeating group is sent.	List
	Accommodation	MR			StudentProgramAccommodationAccommodationType

Table A.792-1: StudentProgramAccommodationAccommodationListType

A.793 StudentProgramAccommodationAccommodationType

Identifies the specific accommodation. At least one required if the repeating group is sent.

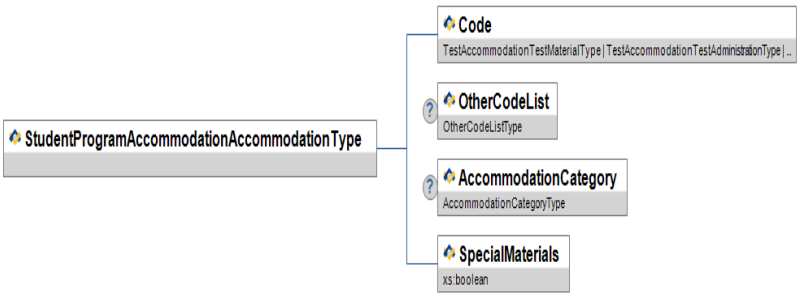

Figure A.793-1: StudentProgramAccommodationAccommodationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentProgramAccommodationAccommodationType			Identifies the specific accommodation. At least one required if the repeating group is sent.	
Code	M	000383 https://ceds.ed.gov/element/000383	Identifies the specific accommodation. At least one required if the repeating group is sent.	union of: TestAccommodationTestMaterialType TestAccommodationTestAdministrationType TestAccommodationStudentEquipmentAndTechnologyType TestAccommodationTestResponseType TestAccommodationSchedulingType TestAccommodationSettingType additional values: 9999 Other
OtherCodeList	O			OtherCodeListType
AccommodationCategory	O		Defines a general category of test accommodation.	AccommodationCategoryType
SpecialMaterials	M		Accommodation specified requires special materials. Required if the repeating group is sent.	xs:boolean

Table A.793-1: StudentProgramAccommodationAccommodationType

A.794 StudentProgramAccommodationListType

Container. If the requested student no longer requires any accomodations, this element should be omitted.

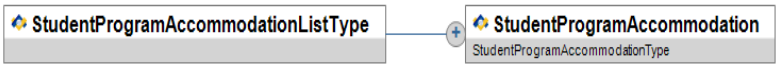

Figure A.794-1: StudentProgramAccommodationListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentProgramAccommodationListType			Container. If the requested student no longer requires any accomodations, this element should be omitted.	
StudentProgramAccommodation	MR		Identifies a program in which the student participates and the accommodations specified by that program.	StudentProgramAccommodationType

Table A.794-1: StudentProgramAccommodationListType

A.795 StudentProgramAccommodationType

Identifies a program in which the student participates and the accommodations specified by that program.

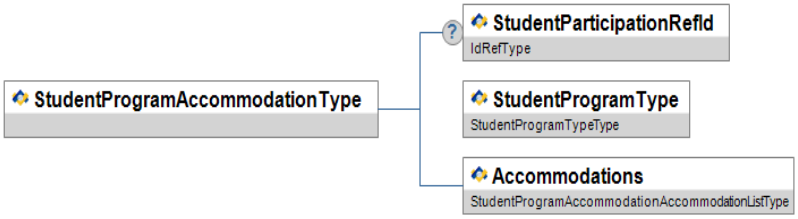

Figure A.795-1: StudentProgramAccommodationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentProgramAccommodationType			Identifies a program in which the student participates and the accommodations specified by that program.	
	StudentParticipationRefId	O		Reference to the instance of the StudentParticipation object in which the required test accommodation(s) are specified for the date of the test.	IdRefType
	StudentProgramType	M		The value specified in the referenced StudentParticipation object in ProgramType	StudentProgramTypeType
	Accommodations	M		Identifies the specific accommodation. At least one required if the repeating group is sent.	StudentProgramAccommodationAccommodationListType

Table A.795-1: StudentProgramAccommodationType

A.796 StudentProgramAssociationExitStatusType

Code indicating the closure status for this enrollment.

Figure A.796-1: StudentProgramAssociationExitStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentProgramAssociationExitStatusType	O		Code indicating the closure status for this enrollment.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.796-1: StudentProgramAssociationExitStatusType

A.797 StudentProgramAssociationExitTypeType

Code indicating the type of exit for this enrollment.

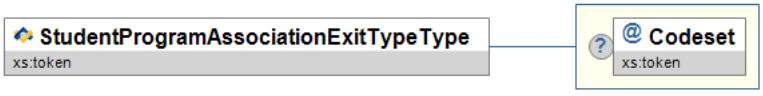

Figure A.797-1: StudentProgramAssociationExitTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentProgramAssociationExitTypeType	O		Code indicating the type of exit for this enrollment.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.797-1: StudentProgramAssociationExitTypeType

A.798 StudentProgramAssociationPlacementTypeType

Provides additional detail concerning enrollment in the program, e.g., Resident, State Placed.

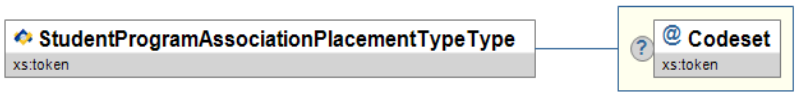

Figure A.798-1: StudentProgramAssociationPlacementTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentProgramAssociationPlacementTypeType	O		Provides additional detail concerning enrollment in the program, e.g., Resident, State Placed.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.798-1: StudentProgramAssociationPlacementTypeType

A.799 StudentProgramAssociationYearGroupType

Grade or academic level of student for this enrollment.

Figure A.799-1: StudentProgramAssociationYearGroupType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentProgramAssociationYearGroupType	O		Grade or academic level of student for this enrollment.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.799-1: StudentProgramAssociationYearGroupType

A.800 StudentProgramTypeType

The value specified in the referenced StudentParticipation object in ProgramType

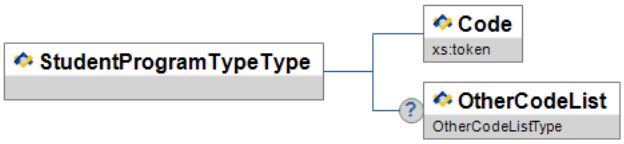

Figure A.800-1: StudentProgramTypeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentProgramTypeType	M		The value specified in the referenced StudentParticipation object in ProgramType	
	Code	M		The value specified in the referenced StudentParticipation object in ProgramType	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.800-1: StudentProgramTypeType

A.801 StudentRecordPackageAbstractContentPackageType

An abstract type for derived content package types, elements and objects. This structure may be used verbatim, optionally extending with additional attributes, or may be redefined to include only a subset of child elements and/or to add validation to XML contained in `XMLData`. Only one instance of `XMLData`, `TextData`, `BinaryData` or `Reference` can occur in a single instance.

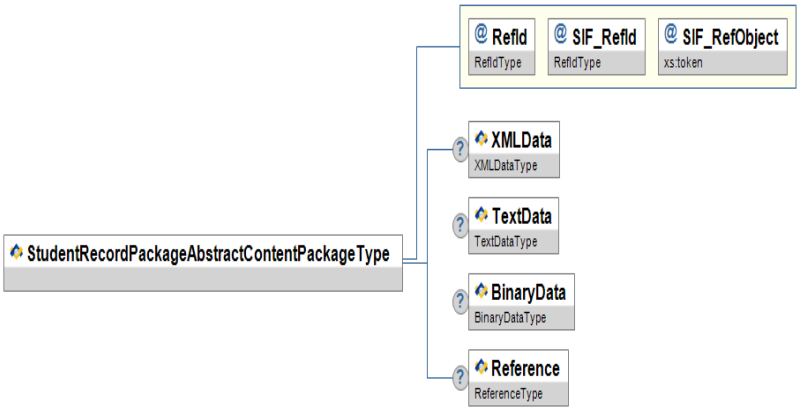

Figure A.801-1: StudentRecordPackageAbstractContentPackageType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentRecordPackageAbstractContentPackageType			An abstract type for derived content package types, elements and objects. This structure may be used verbatim, optionally extending with additional attributes, or may be redefined to include only a subset of child elements and/or to add validation to XML contained in `XMLData`. Only one instance of `XMLData`, `TextData`, `BinaryData` or `Reference` can occur in a single instance.	
@	RefId	M		The GUID that uniquely identifies an instance of the package.	`RefIdType`
@	SIF_RefId	M		The GUID of an associated object, either `StudentRecordExchange` or `StudentPersonal`.	`RefIdType`
@	SIF_RefObject	M		The associated object type.	`xs:token`
	XMLData	C		Contains an arbitary XML element, encoded in UTF-8.	`XMLDataType`
	TextData	C		Contains arbitrary text, encoded in UTF-8.	`TextDataType`
	BinaryData	C		Contains the base64Binary encoding of binary or text data not encoded in UTF-8.	`BinaryDataType`
	Reference	C		References external content via a URL.	`ReferenceType`

Table A.801-1: StudentRecordPackageAbstractContentPackageType

A.802 StudentRecordsType

All records associated with the student.

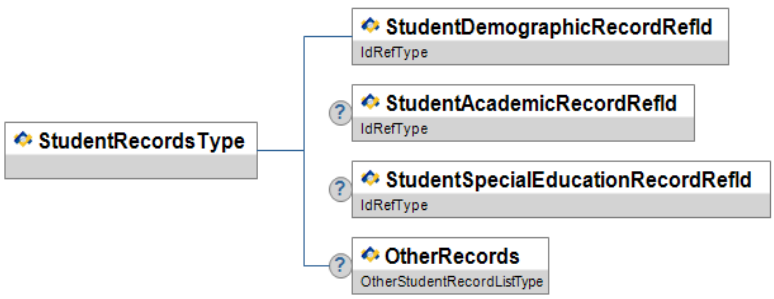

Figure A.802-1: StudentRecordsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentRecordsType			All records associated with the student.	
StudentDemographicRecordRefId	M			IdRefType
StudentAcademicRecordRefId	O			IdRefType
StudentSpecialEducationRecordRefId	O			IdRefType
OtherRecords	O		Other records or content not defined by SIF, but associated with the student. Wrapped in StudentRecordPackage.	OtherStudentRecordListType

Table A.802-1: StudentRecordsType

A.803 StudentResponseSetItemListType

Container for item elements.

Figure A.803-1: StudentResponseSetItemListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentResponseSetItemListType			Container for item elements.	List
Item	OR		The item contains response data and metadata for each item.	StudentResponseSetItemType

Table A.803-1: StudentResponseSetItemListType

A.804 StudentResponseSetItemType

The item contains response data and metadata for each item.

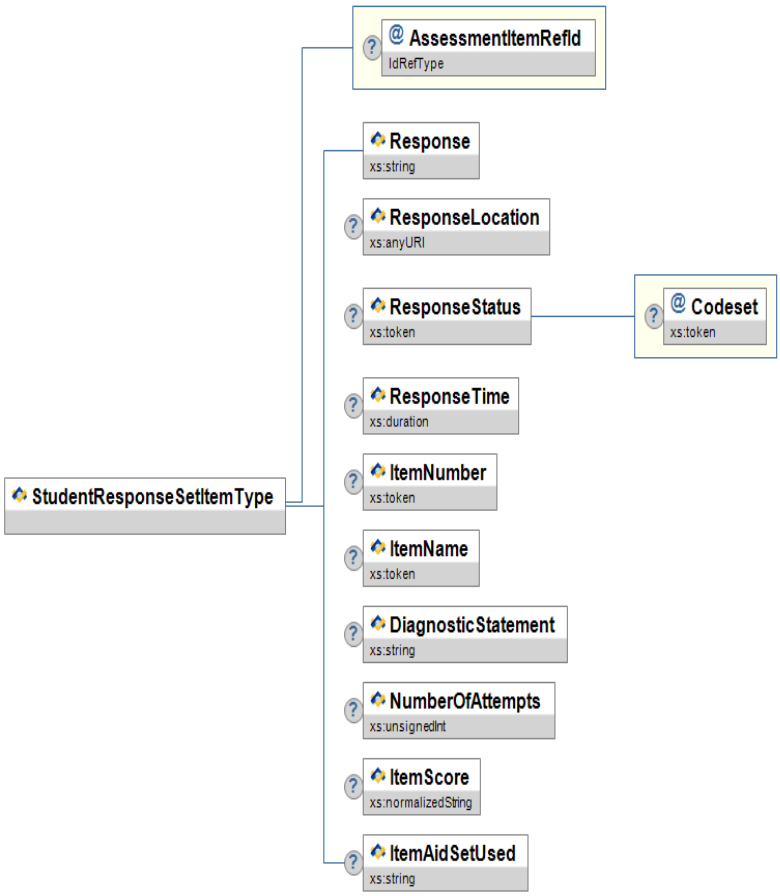

Figure A.804-1: StudentResponseSetItemType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentResponseSetItemType			The item contains response data and metadata for each item.	
@	AssessmentItemRefId	O		A GUID that identifies the item object associated with this student result.	IdRefType
	Response	M		Answer selected or student work in raw format. Examples C 19	xs:string
	ResponseLocation	O		An optional element that contains a URL pointing to the location of the response or additional response.	xs:anyURI
	ResponseStatus	O	000405 https://ceds.ed.gov/element/000405	Status of the response.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ResponseTime	O	000407 https://ceds.ed.gov/element/000407	The length of time the student took to respond.	xs:duration
	ItemNumber	O		Identifies the item on the assessment by number.	xs:token
	ItemName	O		Identifies the item on the assessment by name.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	DiagnosticStatement	O		Psychometric purpose or design-related comment about the question.	xs:string
	NumberOfAttempts	O		The number of times a student changes their answer or attempts a response.	xs:unsignedInt
	ItemScore	O	000245 https://ceds.ed.gov/element/000245	This is the score the student received on the specific item.	xs:normalizedString
	ItemAidSetUsed	O	002397 https://ceds.ed.gov/element/002397	A tool or aid set used while viewing the item	xs:string

Table A.804-1: StudentResponseSetItemType

A.805 StudentSchoolEnrollmentAdvisorType

Staff member assigned as an advisor for this enrollment.

Figure A.805-1: StudentSchoolEnrollmentAdvisorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSchoolEnrollmentAdvisorType	O		Staff member assigned as an advisor for this enrollment.	IdRefType
@	SIF_RefObject	M		The name of the object referenced.	values: StaffPersonal

Table A.805-1: StudentSchoolEnrollmentAdvisorType

A.806 StudentSchoolEnrollmentCalendarType

The calendar assigned to this enrollment.

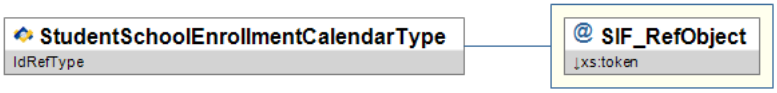

Figure A.806-1: StudentSchoolEnrollmentCalendarType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSchoolEnrollmentCalendarType	O		The calendar assigned to this enrollment.	IdRefType
@	SIF_RefObject	M		The name of the object referenced.	values: CalendarSummary

Table A.806-1: StudentSchoolEnrollmentCalendarType

A.807 StudentSchoolEnrollmentCounselorType

Staff member assigned as a counselor for this enrollment.

Figure A.807-1: StudentSchoolEnrollmentCounselorType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSchoolEnrollmentCounselorType	O		Staff member assigned as a counselor for this enrollment.	IdRefType
@	SIF_RefObject	M		The name of the object referenced.	values: StaffPersonal

Table A.807-1: StudentSchoolEnrollmentCounselorType

A.808 StudentSchoolEnrollmentDataType

Collects elements of interest from StudentSchoolEnrollment.

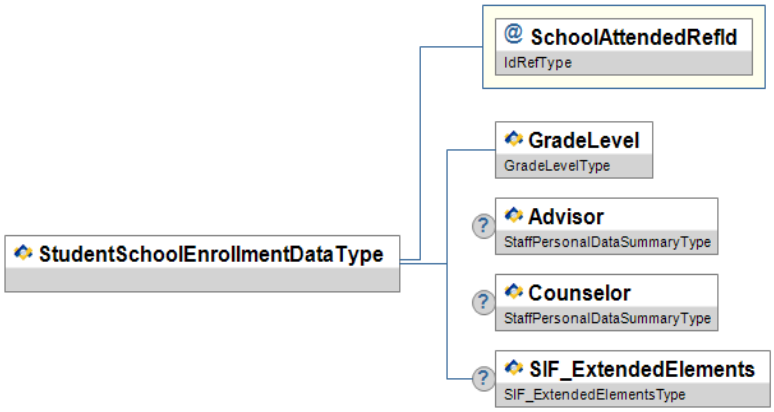

Figure A.808-1: StudentSchoolEnrollmentDataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSchoolEnrollmentDataType			Collects elements of interest from StudentSchoolEnrollment.	
@	SchoolAttendedRefId	M	000365 https://ceds.ed.gov/element/000365	References the school of record for the student (see SchoolAttended).	IdRefType
	GradeLevel	M			GradeLevelType
	Advisor	O		Staff member assigned to the student as an advisor.	StaffPersonalDataSummaryType
	Counselor	O		Staff member assigned to the student as a counselor.	StaffPersonalDataSummaryType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.808-1: StudentSchoolEnrollmentDataType

A.809 StudentSchoolEnrollmentFTPTStatusType

An indication of whether the student is enrolled full time or part time.

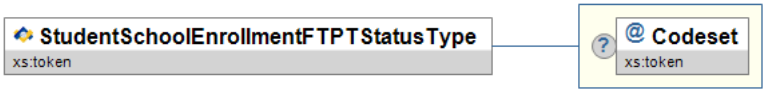

Figure A.809-1: StudentSchoolEnrollmentFTPTStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSchoolEnrollmentFTPTStatusType	O		An indication of whether the student is enrolled full time or part time.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.809-1: StudentSchoolEnrollmentFTPTStatusType

A.810 StudentSchoolEnrollmentNonResidentAttendReasonType

If the school represented by this enrollment is outside of the student's usual attendance area (as indicated in the ResidencyStatus element), this element indicates the reason that the student attends this school.

Figure A.810-1: StudentSchoolEnrollmentNonResidentAttendReasonType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSchoolEnrollmentNonResidentAttendReasonType	C		If the school represented by this enrollment is outside of the student's usual attendance area (as indicated in the ResidencyStatus element), this element indicates the reason that the student attends this school.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.810-1: StudentSchoolEnrollmentNonResidentAttendReasonType

A.811 StudentSchoolEnrollmentSummaryListType

A list of each enrollment in the schools above (see SchoolAttended).

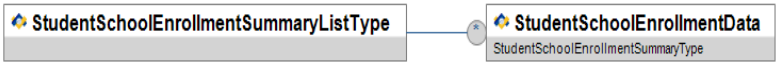

Figure A.811-1: StudentSchoolEnrollmentSummaryListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSchoolEnrollmentSummaryListType			A list of each enrollment in the schools above (see SchoolAttended).	List
	StudentSchoolEnrollmentData	OR		Collects elements of interest from StudentSchoolEnrollment.	StudentSchoolEnrollmentSummaryType

Table A.811-1: StudentSchoolEnrollmentSummaryListType

A.812 StudentSchoolEnrollmentSummaryType

Collects elements of interest from StudentSchoolEnrollment.

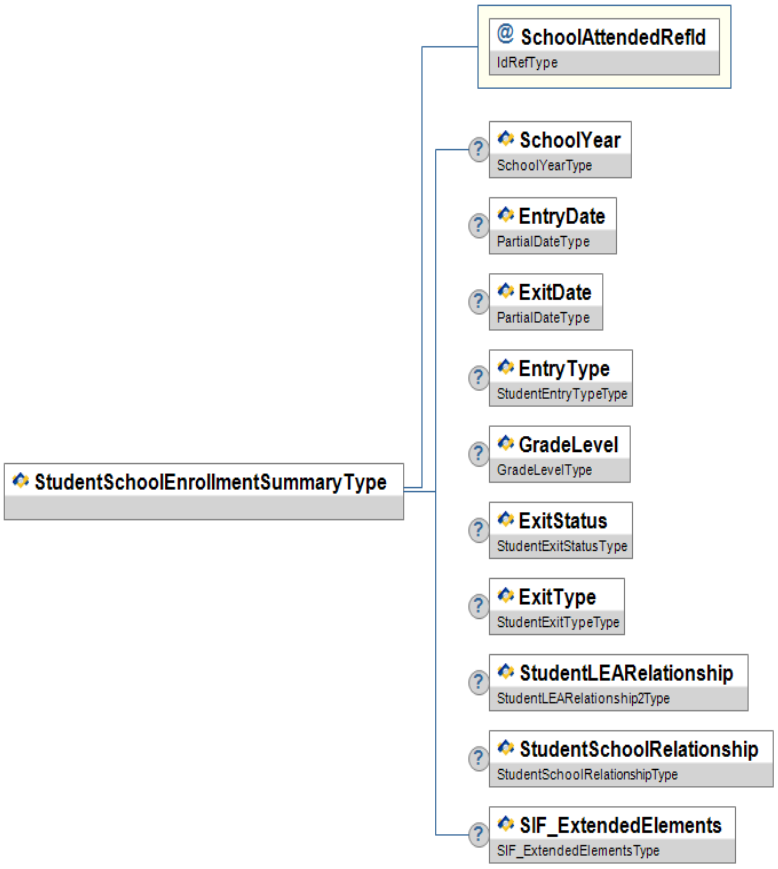

Figure A.812-1: StudentSchoolEnrollmentSummaryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSchoolEnrollmentSummaryType			Collects elements of interest from StudentSchoolEnrollment.	
@	SchoolAttendedRefId	M		Reference to SchoolAttended.	IdRefType
	SchoolYear	O			SchoolYearType
	EntryDate	O			PartialDateType
	ExitDate	C		Note: Mandatory if student exited school.	PartialDateType
	EntryType	O			StudentEntryTypeType
	GradeLevel	O		Grade or academic level of student.	GradeLevelType
	ExitStatus	O			StudentExitStatusType
	ExitType	O			StudentExitTypeType
	StudentLEARelationship	O			StudentLEARelationship2Type
	StudentSchoolRelationship	O			StudentSchoolRelationshipType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.812-1: StudentSchoolEnrollmentSummaryType

A.813 StudentSchoolRelationshipNonResidentAttendReasonType

If the school represented by this enrollment is outside of the student's usual attendance area (as indicated in the ResidencyStatus element), this element indicates the reason that the student attends this school.

Figure A.813-1: StudentSchoolRelationshipNonResidentAttendReasonType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSchoolRelationshipNonResidentAttendReasonType	C		If the school represented by this enrollment is outside of the student's usual attendance area (as indicated in the ResidencyStatus element), this element indicates the reason that the student attends this school.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.813-1: StudentSchoolRelationshipNonResidentAttendReasonType

A.814 StudentSchoolRelationshipResidencyStatusType

Location of an individual's legal residence relative to (within or outside) the boundaries of the school for the enrollment reported.

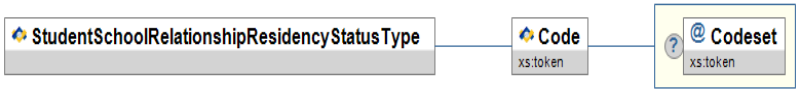

Figure A.814-1: StudentSchoolRelationshipResidencyStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSchoolRelationshipResidencyStatusType			Location of an individual's legal residence relative to (within or outside) the boundaries of the school for the enrollment reported.	
	Code	M		Code indicating the residency status for this enrollment.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.814-1: StudentSchoolRelationshipResidencyStatusType

A.815 StudentSchoolRelationshipType

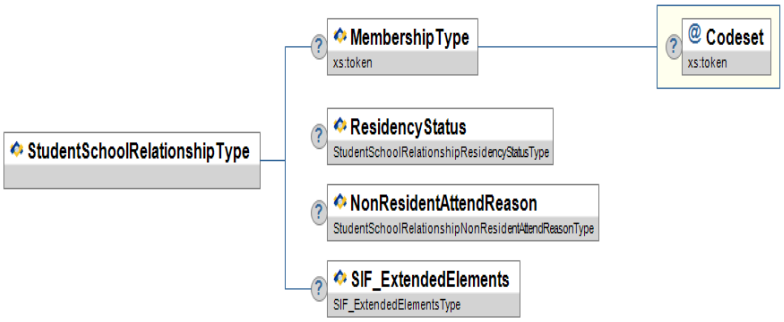

Figure A.815-1: StudentSchoolRelationshipType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSchoolRelationshipType				

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	MembershipType	O		The type of this affiliation as it relates to the school identified.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ResidencyStatus	O		Location of an individual's legal residence relative to (within or outside) the boundaries of the school for the enrollment reported.	StudentSchoolRelationshipResidencyStatusType
	NonResidentAttendReason	C			StudentSchoolRelationshipNonResidentAttendReasonType
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.815-1: StudentSchoolRelationshipType

A.816 StudentScoreSetScoreListType

Container for score elements.

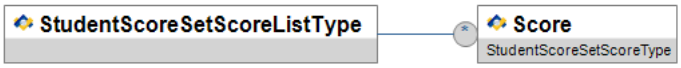

Figure A.816-1: StudentScoreSetScoreListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentScoreSetScoreListType			Container for score elements.	List
	Score	OR		The score with other information related to the score.	StudentScoreSetScoreType

Table A.816-1: StudentScoreSetScoreListType

A.817 StudentScoreSetScoreType

The score with other information related to the score.

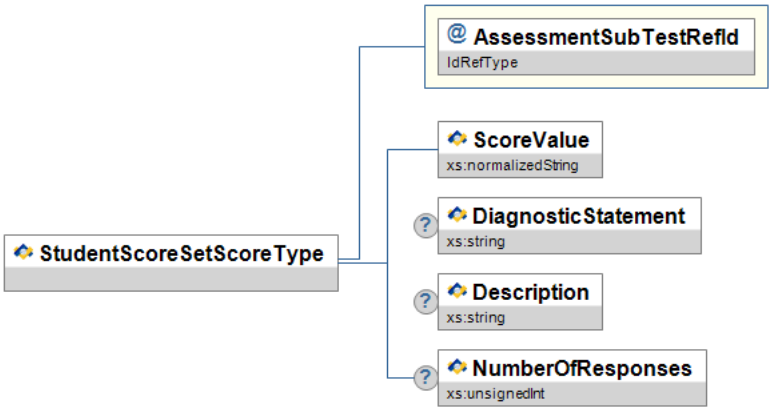

Figure A.817-1: StudentScoreSetScoreType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentScoreSetScoreType			The score with other information related to the score.	
@	AssessmentSubTestRefId	M		References the AssessmentSubTest that defines the score.	IdRefType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ScoreValue	M	000245 https://ceds.ed.gov/element/000245	The value of the score.	xs:normalizedString
	DiagnosticStatement	O	000394 https://ceds.ed.gov/element/000394	Comment created by any logical analysis of this score.	xs:string
	Description	O	000573 https://ceds.ed.gov/element/000573	This is further qualification of a Student Score.	xs:string
	NumberOfResponses	O		This is the number of responses that are included with the StudentScoreSet.	xs:unsignedInt

Table A.817-1: StudentScoreSetScoreType

A.818 StudentSectionEnrollmentCTEConcentratorType

Indicates whether this is a CTE concentrator for this course. This value overrides the SchoolCourseInfo CTEConcentrator value at the student section level..

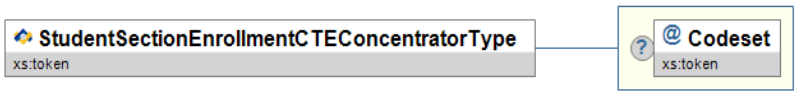

Figure A.818-1: StudentSectionEnrollmentCTEConcentratorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSectionEnrollmentCTEConcentratorType	O		Indicates whether this is a CTE concentrator for this course. This value overrides the SchoolCourseInfo CTEConcentrator value at the student section level..	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.818-1: StudentSectionEnrollmentCTEConcentratorType

A.819 StudentSectionMarkListType

A list of marks received for this student in this section. For each Mark entry, at least one of the sub-elements must be specified.

Figure A.819-1: StudentSectionMarkListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSectionMarkListType			A list of marks received for this student in this section. For each Mark entry, at least one of the sub-elements must be specified.	List
	Mark	MR		Outer wrapper for marks reported for this section, in this term.	StudentSectionMarkType

Table A.819-1: StudentSectionMarkListType

A.820 StudentSectionMarkType

Outer wrapper for marks reported for this section, in this term.

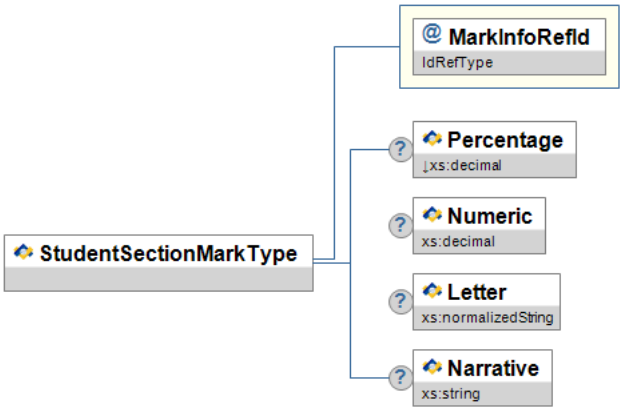

Figure A.820-1: StudentSectionMarkType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSectionMarkType			Outer wrapper for marks reported for this section, in this term.	
@	MarkInfoRefId	M		The Id (GUID) that identifies a mark that was given for this student.	IdRefType
	Percentage	C		The percent score for this mark (0.00 - 100.00).	xs:decimal xs:minInclusive 0 xs:maxInclusive 100 xs:fractionDigits 2
	Numeric	C		The raw numeric score for this mark.	xs:decimal
	Letter	C		The letter grade for this mark.	xs:normalizedString
	Narrative	C		The free form text narrative for this mark.	xs:string

Table A.820-1: StudentSectionMarkType

A.821 StudentSnapshotEconomicDisadvantageType

Figure A.821-1: StudentSnapshotEconomicDisadvantageType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotEconomicDisadvantageType	O	000086 https://ceds.ed.gov/element/000086		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.821-1: StudentSnapshotEconomicDisadvantageType

A.822 StudentSnapshotELLType

Figure A.822-1: StudentSnapshotELLType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotELLType	O	000565 https://ceds.ed.gov/element/000565		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.822-1: StudentSnapshotELLType

A.823 StudentSnapshotFreeAndReducedStatusType

Student's eligibility for free and reduced meals.

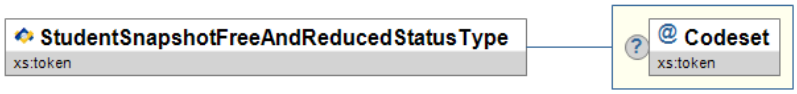

Figure A.823-1: StudentSnapshotFreeAndReducedStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotFreeAndReducedStatusType	O		Student's eligibility for free and reduced meals.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.823-1: StudentSnapshotFreeAndReducedStatusType

A.824 StudentSnapshotGenderType

Person's gender.

Figure A.824-1: StudentSnapshotGenderType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotGenderType	O		Person's gender.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.824-1: StudentSnapshotGenderType

A.825 StudentSnapshotGiftedTalentedType

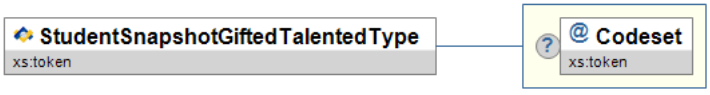

Figure A.825-1: StudentSnapshotGiftedTalentedType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotGiftedTalentedType	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.825-1: StudentSnapshotGiftedTalentedType

A.826 StudentSnapshotGraduationAwardType

The award received upon graduation.

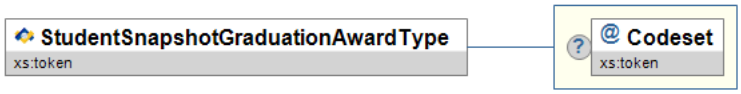

Figure A.826-1: StudentSnapshotGraduationAwardType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotGraduationAwardType	O		The award received upon graduation.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.826-1: StudentSnapshotGraduationAwardType

A.827 StudentSnapshotGraduationOnTimeType

Did the student graduate in the expected number of years?

Figure A.827-1: StudentSnapshotGraduationOnTimeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotGraduationOnTimeType	O		Did the student graduate in the expected number of years?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.827-1: StudentSnapshotGraduationOnTimeType

A.828 StudentSnapshotHomelessType

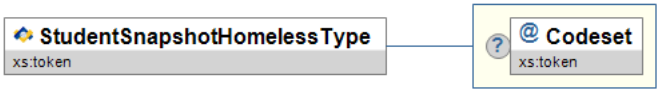

Figure A.828-1: StudentSnapshotHomelessType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotHomelessType	O	000149 https://ceds.ed.gov/element/000149		xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.828-1: StudentSnapshotHomelessType

A.829 StudentSnapshotIDEAType

Figure A.829-1: StudentSnapshotIDEAType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotIDEAType	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.829-1: StudentSnapshotIDEAType

A.830 StudentSnapshotImmigrantType

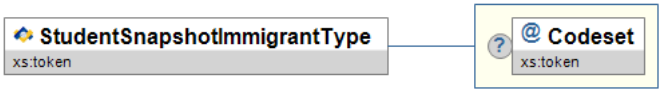

Figure A.830-1: StudentSnapshotImmigrantType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotImmigrantType	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.830-1: StudentSnapshotImmigrantType

A.831 StudentSnapshotMigrantType

Figure A.831-1: StudentSnapshotMigrantType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotMigrantType	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.831-1: StudentSnapshotMigrantType

A.832 StudentSnapshotNeglectedDelinquentType

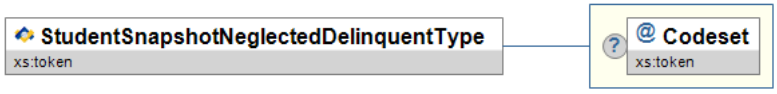

Figure A.832-1: StudentSnapshotNeglectedDelinquentType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotNeglectedDelinquentType	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.832-1: StudentSnapshotNeglectedDelinquentType

A.833 StudentSnapshotSection504Type

Figure A.833-1: StudentSnapshotSection504Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotSection504Type	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.833-1: StudentSnapshotSection504Type

A.834 StudentSnapshotTitle1Type

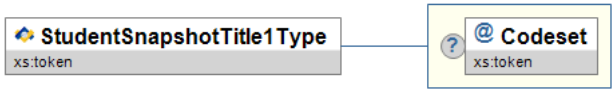

Figure A.834-1: StudentSnapshotTitle1Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotTitle1Type	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.834-1: StudentSnapshotTitle1Type

A.835 StudentSnapshotVocationalConcentratorType

Figure A.835-1: StudentSnapshotVocationalConcentratorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSnapshotVocationalConcentratorType	O			xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.835-1: StudentSnapshotVocationalConcentratorType

A.836 StudentSpecialConditionListType

Records student-specific special conditions during the test.

Figure A.836-1: StudentSpecialConditionListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentSpecialConditionListType			Records student-specific special conditions during the test.	List
StudentSpecialCondition	MR		A description of the special condition. Student special conditions are different from special conditions of the test.	StudentSpecialConditionType

Table A.836-1: StudentSpecialConditionListType

A.837 StudentSpecialConditionType

A description of the special condition. Student special conditions are different from special conditions of the test.

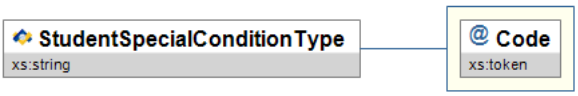

Figure A.837-1: StudentSpecialConditionType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSpecialConditionType		000415 https://ceds.ed.gov/element/000415	A description of the special condition. Student special conditions are different from special conditions of the test.	xs:string
@	Code	M		A code indicating the type of special condition.	xs:token

Table A.837-1: StudentSpecialConditionType

A.838 StudentSpecialEducationSummaryEnvironmentForEarlyChildhoodType

The program in which children ages 3 through 5 attend and in which these children receive special education and related services.

Figure A.838-1: StudentSpecialEducationSummaryEnvironmentForEarlyChildhoodType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSpecialEducationSummaryEnvironmentForEarlyChildhoodType	O	000559 https://ceds.ed.gov/element/000559	The program in which children ages 3 through 5 attend and in which these children receive special education and related services.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.838-1: StudentSpecialEducationSummaryEnvironmentForEarlyChildhoodType

A.839 StudentSpecialEducationSummaryEnvironmentForSchoolAgeType

The setting in which children ages 6 through 21, receive special education and related services.

Figure A.839-1: StudentSpecialEducationSummaryEnvironmentForSchoolAgeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentSpecialEducationSummaryEnvironmentForSchoolAgeType	O	000535 https://ceds.ed.gov/element/000535	The setting in which children ages 6 through 21, receive special education and related services.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.839-1: StudentSpecialEducationSummaryEnvironmentForSchoolAgeType

A.840 StudentSpecialEducationSummaryStudentParticipationListType

Figure A.840-1: StudentSpecialEducationSummaryStudentParticipationListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentSpecialEducationSummaryStudentParticipationListType				List
StudentParticipationData	MR		Collects elements of interest for each StudentParticipation.	StudentSpecialEducationSummaryStudentParticipationType

Table A.840-1: StudentSpecialEducationSummaryStudentParticipationListType

A.841 StudentSpecialEducationSummaryStudentParticipationType

Collects elements of interest for each StudentParticipation.

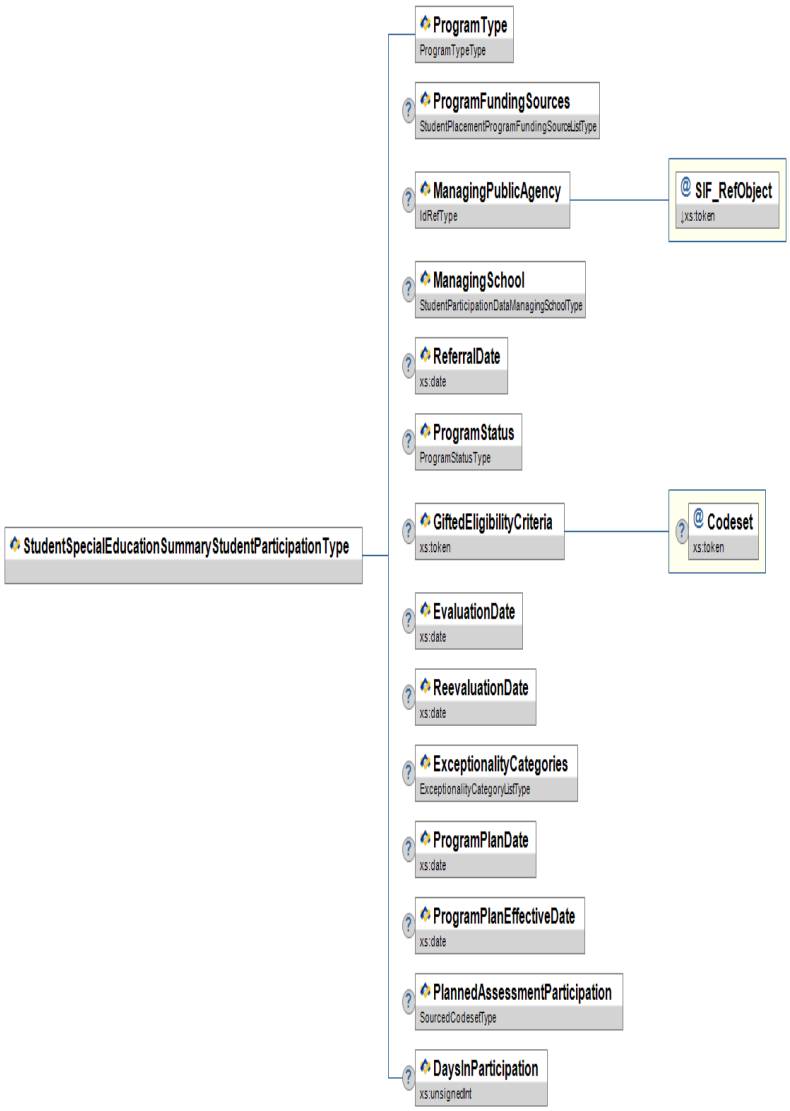

Figure A.841-1: StudentSpecialEducationSummaryStudentParticipationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentSpecialEducationSummaryStudentParticipationType			Collects elements of interest for each StudentParticipation.	

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ProgramType	M			ProgramTypeType
	ProgramFundingSources	O			StudentPlacementProgramFundingSourceListType
	ManagingPublicAgency	O	000638 https://ceds.ed.gov/element/000638	The GUID of the public agency (a district / LEA) to which the "ManagingSchool" reports / belongs.	IdRefType
@	SIF_RefObject	M			values: LEAInfo
	ManagingSchool	O			StudentParticipationDataManagingSchoolType
	ReferralDate	O			xs:date
	ProgramStatus	O			ProgramStatusType
	GiftedEligibilityCriteria	O	000151 https://ceds.ed.gov/element/000151	State / local code used to determine eligibility for Gifted / Talented program.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	EvaluationDate	O			xs:date
	ReevaluationDate	O			xs:date
	ExceptionalityCategories	O			ExceptionalityCategoryListType
	ProgramPlanDate	O			xs:date
	ProgramPlanEffectiveDate	O			xs:date
	PlannedAssessmentParticipation	O			SourcedCodesetType
	DaysInParticipation	O			xs:unsignedInt

Table A.841-1: StudentSpecialEducationSummaryStudentParticipationType

A.842 StudentSpecialEducationSummaryStudentPlacementListType

This list contains information that describes each specific instructional, related or transitional service that has been prescribed or recommended in the program plan developed for a student who has been placed in an individualized special program.

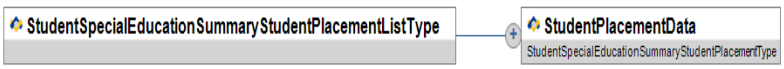

Figure A.842-1: StudentSpecialEducationSummaryStudentPlacementListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentSpecialEducationSummaryStudentPlacementListType			This list contains information that describes each specific instructional, related or transitional service that has been prescribed or recommended in the program plan developed for a student who has been placed in an individualized special program.	List
StudentPlacementData	MR		Collects elements of interest for each StudentPlacement.	StudentSpecialEducationSummaryStudentPlacementType

Table A.842-1: StudentSpecialEducationSummaryStudentPlacementListType

A.843 StudentSpecialEducationSummaryStudentPlacementType

Collects elements of interest for each StudentPlacement.

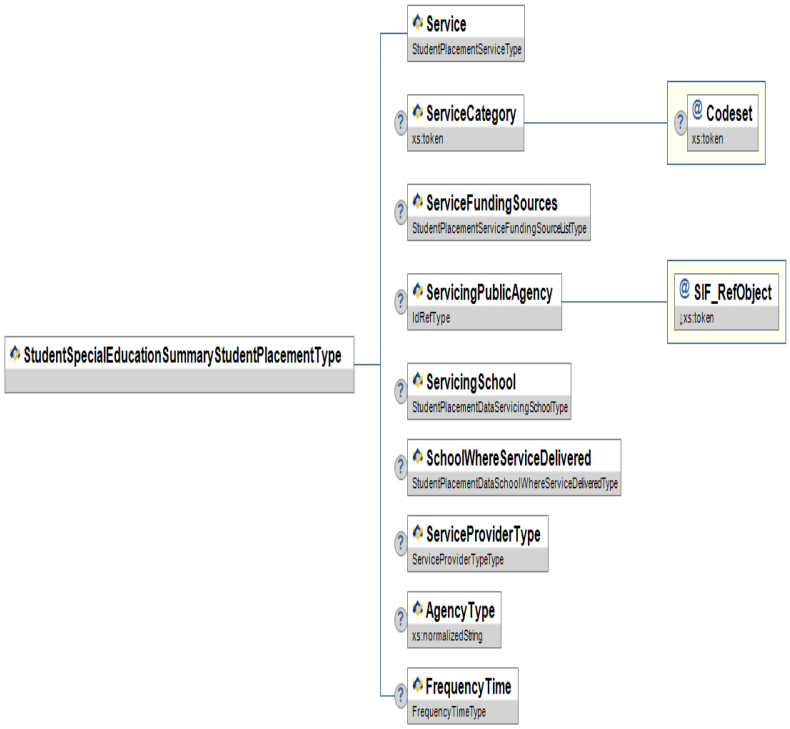

Figure A.843-1: StudentSpecialEducationSummaryStudentPlacementType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
StudentSpecialEducationSummaryStudentPlacementType			Collects elements of interest for each StudentPlacement.	
Service	M		Specialized instruction or related / transitional service provided to this student.	StudentPlacementServiceType
ServiceCategory	O		Category of service (for example, whether it is instruction or a related / transitional service or a supplemental service). Typically designated by a state.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	ServiceFundingSources	O			StudentPlacementServiceFundingSourceListType
	ServicingPublicAgency	O		The GUID of the public agency (a district / LEA) to which the "ServicingSchool" reports / belongs.	IdRefType
@	SIF_RefObject	M			values: LEAInfo
	ServicingSchool	O			StudentPlacementDataServicingSchoolType
	SchoolWhereServiceDelivered	O			StudentPlacementDataSchoolWhereServiceDeliveredType
	ServiceProviderType	O			ServiceProviderTypeType
	AgencyType	O		Identifies an agency or clinic that will provide the specified service.	xs:normalizedString
	FrequencyTime	O			FrequencyTimeType

Table A.843-1: StudentSpecialEducationSummaryStudentPlacementType

A.844 StudentTransportInfoPublicExpenseType

The eligibility of a student for transportation between home and school at local public expense because of distance, disability, or other reasons.

Figure A.844-1: StudentTransportInfoPublicExpenseType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentTransportInfoPublicExpenseType	O		The eligibility of a student for transportation between home and school at local public expense because of distance, disability, or other reasons.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.844-1: StudentTransportInfoPublicExpenseType

A.845 StudentTransportInfoSchoolBusRouteDetailType

GUID referring to a BusRouteDetail object that identifies the origin bus stop for an outbound route or the destination bus stop for an inbound route.

If the SchoolBusRouteDetail does not exist, then the student does not ride a bus to/from school.

Note: this element has been deprecated—use `OriginPoint` and `DestinationPoint`.

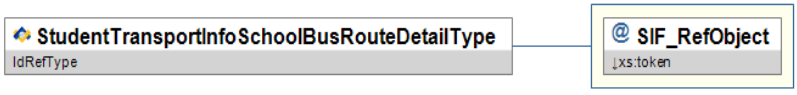

Figure A.845-1: StudentTransportInfoSchoolBusRouteDetailType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentTransportInfoSchoolBusRouteDetailType	O		GUID referring to a BusRouteDetail object that identifies the origin bus stop for an outbound route or the destination bus stop for an inbound route. If the SchoolBusRouteDetail does not exist, then the student does not ride a bus to/from school. Note: this element has been deprecated—use `OriginPoint` and `DestinationPoint`.	`IdRefType`
@	SIF_RefObject	M			values: `BusRouteDetail`

Table A.845-1: StudentTransportInfoSchoolBusRouteDetailType

A.846 StudentTransportInfoStateAidQualificationType

The qualification status of a student entitling local education agency to receive state transportation aid.

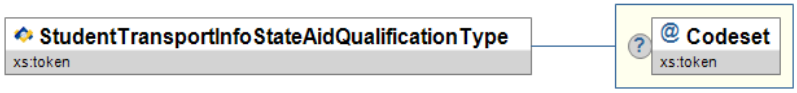

Figure A.846-1: StudentTransportInfoStateAidQualificationType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentTransportInfoStateAidQualificationType	O		The qualification status of a student entitling local education agency to receive state transportation aid.	`xs:token`
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	`xs:token`

Table A.846-1: StudentTransportInfoStateAidQualificationType

A.847 StudentTransportInfoTransportationStatusType

Information about whether or not a student is transported to and/or from school or receives services, aid, or payment in lieu of transportation.

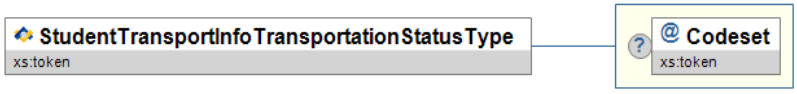

Figure A.847-1: StudentTransportInfoTransportationStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	StudentTransportInfoTransportationStatusType	O		Information about whether or not a student is transported to and/or from school or receives services, aid, or payment in lieu of transportation.	`xs:token`
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	`xs:token`

Table A.847-1: StudentTransportInfoTransportationStatusType

A.848 SubjectAreaListType

A list of subject areas.

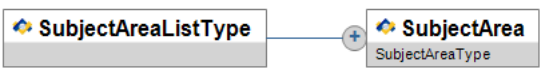

Figure A.848-1: SubjectAreaListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SubjectAreaListType			A list of subject areas.	List
SubjectArea	MR		Subject matter.	SubjectAreaType

Table A.848-1: SubjectAreaListType

JSON

```
{
  "SubjectAreaList": {
    "SubjectArea": [
      {
        "Code": {
          "value": "05"
        },
        "OtherCodeList": {
          "OtherCode": [
            {
              "Codeset": "Text",
              "value": "Graphic Arts"
            }
          ]
        }
      }
    ]
  }
}
```

XML

```
<SubjectAreaList>
  <SubjectArea>
    <Code>05</Code>
    <OtherCodeList>
      <OtherCode Codeset="Text">Graphic Arts</OtherCode>
    </OtherCodeList>
  </SubjectArea>
</SubjectAreaList>
```

Example A.848-1: SubjectAreaListType

A.849 SubjectAreasType

This allows subject areas to be associated with an object or query. Although there could be overlap with `LearningStandardItems`, it is anticipated there will be use cases where `LearningStandardItem` objects may not exist or may not be available, and data may need to be tagged with high-level subject areas.

Figure A.849-1: SubjectAreasType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
SubjectAreasType	O		This allows subject areas to be associated with an object or query. Although there could be overlap with `LearningStandardItems`, it is anticipated there will be use cases where `LearningStandardItem` objects may not exist or may not be available, and data may need to be tagged with high-level subject areas.	List
SubjectArea	MR			SubjectAreaType

Table A.849-1: SubjectAreasType

A.850 SubjectAreaType

This is a common element used to designate the subject area of a course or other learning materials, or a department. It is used in SchoolCourseInfo and learning-related objects.

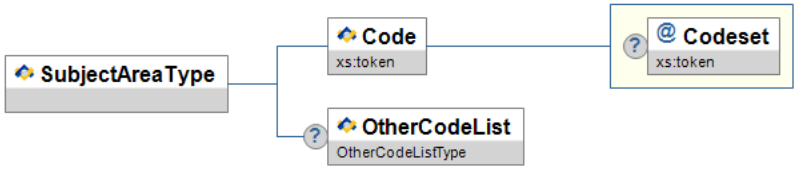

Figure A.850-1: SubjectAreaType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	SubjectAreaType			This is a common element used to designate the subject area of a course or other learning materials, or a department. It is used in SchoolCourseInfo and learning-related objects.	
	Code	M	000702 https://ceds.ed.gov/element/000702	The subject area code (i.e., the first two digits of the course classification code).	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.850-1: SubjectAreaType

JSON

```
{
  "SubjectArea": {
    "Code": {
      "value": "05"
    },
    "OtherCodeList": {
      "OtherCode": [
        {
          "Codeset": "Text",
          "value": "Graphic Arts"
        }
      ]
    }
  }
}
```

XML

```
<SubjectArea>
  <Code>05</Code>
  <OtherCodeList>
    <OtherCode Codeset="Text">Graphic Arts</OtherCode>
  </OtherCodeList>
</SubjectArea>
```

Example A.850-1: SubjectAreaType

A.851 TargetListType

List of specific end aims.

Figure A.851-1: TargetListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TargetListType	O		List of specific end aims.	List
	Target	MR		The specific end aim that is desired to achieve for the student.	xs:normalizedString

Table A.851-1: TargetListType

A.852 TargetObjectListType

List of target objects for the learning standard linkage.

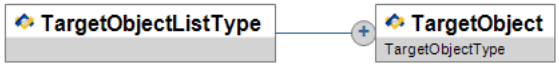

Figure A.852-1: TargetObjectListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TargetObjectListType			List of target objects for the learning standard linkage.	List
	TargetObject	MR		At least one target for the learning standard linkage.	TargetObjectType

Table A.852-1: TargetObjectListType

A.853 TargetObjectType

Target object for the learning standard linkage.

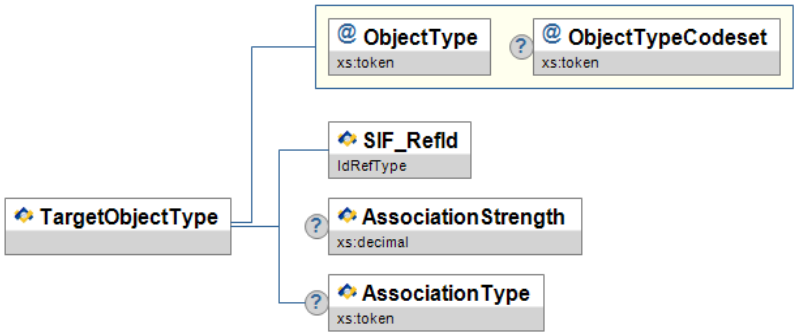

Figure A.853-1: TargetObjectType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TargetObjectType			Target object for the learning standard linkage.	
@	ObjectType	M		The Target Object name referenced.	xs:token
@	ObjectTypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	SIF_RefId	M		The RefId for the LearningResource or AssessmentItem	IdRefType
	AssociationStrength	O		A number greater than 0 and less than or equal to 1. This indicates the strength of the association between the one or more Learning Standards and this target object.	xs:decimal
	AssociationType	O		The type of relationship or cardinality being modeled, e.g., predecessor, prerequisite, unidirectional, nondirectional, is a component of, etc.	xs:token

Table A.853-1: TargetObjectType

A.854 TeacherInexperiencedStatusType

An indication of whether teachers have been identified as inexperienced as defined by the state. This element is used specifically for EDFacts reporting.

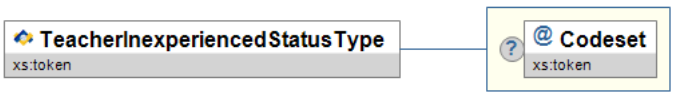

Figure A.854-1: TeacherInexperiencedStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TeacherInexperiencedStatusType	O	001961 https://ceds.ed.gov/element/001961	An indication of whether teachers have been identified as inexperienced as defined by the state. This element is used specifically for EDFacts reporting.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.854-1: TeacherInexperiencedStatusType

A.855 TeacherOutOfFieldStatusType

An indication of whether teachers have been identified as teaching a subject or field for which they are not certified or licensed as defined by the state. This element is used specifically for EDFacts reporting.

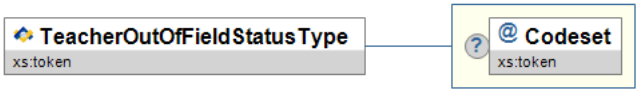

Figure A.855-1: TeacherOutOfFieldStatusType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TeacherOutOfFieldStatusType	O	001962 https://ceds.ed.gov/element/001962	An indication of whether teachers have been identified as teaching a subject or field for which they are not certified or licensed as defined by the state. This element is used specifically for EDFacts reporting.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.855-1: TeacherOutOfFieldStatusType

A.856 TeachingAssignmentType

The teacher field taught by the individual

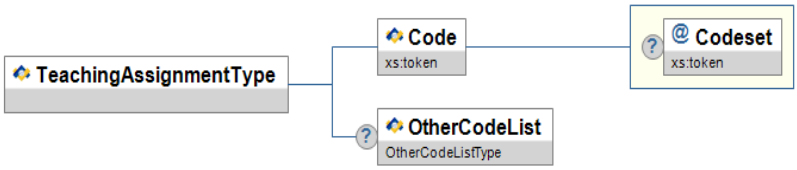

Figure A.856-1: TeachingAssignmentType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TeachingAssignmentType	O		The teacher field taught by the individual	
	Code	M	002276 https://ceds.ed.gov/element/002276	Code representing the type of teaching assignment.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.856-1: TeachingAssignmentType

A.857 TechnicalRequirementsType

A list of operating system, network, and other technical requirements.

Figure A.857-1: TechnicalRequirementsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
TechnicalRequirementsType			A list of operating system, network, and other technical requirements.	List
TechnicalRequirement	MR		an operating system, network, or other technical requirement.	xs:string

Table A.857-1: TechnicalRequirementsType

JSON

```
{
  "TechnicalRequirements": {
    "TechnicalRequirement": [
      "Internet Explorer 5.5 or greater"
    ]
  }
}
```

XML

```
<TechnicalRequirements>
  <TechnicalRequirement>Internet Explorer 5.5 or greater</TechnicalRequirement>
</TechnicalRequirements>
```

Example A.857-1: TechnicalRequirementsType

A.858 TelemetryListType

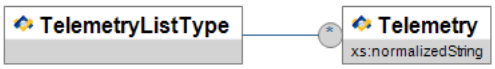

Figure A.858-1: TelemetryListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
TelemetryListType				List

Element/@Attribute	Char	CEDS Id/URL	Description	Type
Telemetry	OR		Indicators and values provided by the hardware along with this position snapshot. For events, it is safe to assume that one of these items triggered the hardware to issue an update. The following values are suggested for common reports to enhance interoperability, but each deployment will have items dictated by the infrastructure. A format for reporting continuous-value metrics is also suggested. Suggested Values: Panic—panic button pressed Accident—airbag deployed or some other detection Checkpoint—manually triggered per procedures Assistance—non-emergency request Timer—timed report RouteStatus—change to RouteStatus/Status Open—door open Close—door closed ToD—shifted into "Drive" OffD—shifted off "Drive" StpLght—Stop Lights are on WrngLght—Warning lights are on StpArm—Stop arm is out CrsngGt—Crossing gate is extended EcmOp—ECM Oil Pressure is Low EcmOt—ECM Oil Temperature is high EcmTt—ECM transmission temperature is high EcmTp—Transmission Oil Pressure is low EcmFuelPrs—ECM Fuel Pressure is low EcmExtIdle—ECM Extended engine idle period EcmOvrSpeed—ECM engine over Speed EcmVltg—ECM Voltage is low OutBndry—Out of Boundary FuelGauge-34pct—suggested continuous-value syntax, minimal use of special characters	xs:normalizedString

Table A.858-1: TelemetryListType

A.859 TermInfoAttendanceTermType

Does this TermInfo represent an attendance term?

Figure A.859-1: TermInfoAttendanceTermType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TermInfoAttendanceTermType	O		Does this TermInfo represent an attendance term?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.859-1: TermInfoAttendanceTermType

A.860 TermInfoSchedulingTermType

Does this TermInfo represent a scheduling term?

Figure A.860-1: TermInfoSchedulingTermType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TermInfoSchedulingTermType	O		Does this TermInfo represent a scheduling term?	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.860-1: TermInfoSchedulingTermType

A.861 TermMarkListsType

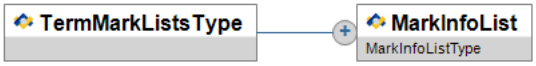

Figure A.861-1: TermMarkListsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
TermMarkListsType				ActionList (MarkInfoList/@TermInfoRefId)
MarkInfoList	MR		The grading-related information for a section, repeating for each marking period (TermInfo) in which the section reports Marks.	MarkInfoListType

Table A.861-1: TermMarkListsType

A.862 TermPerformanceType

Individual term performance.

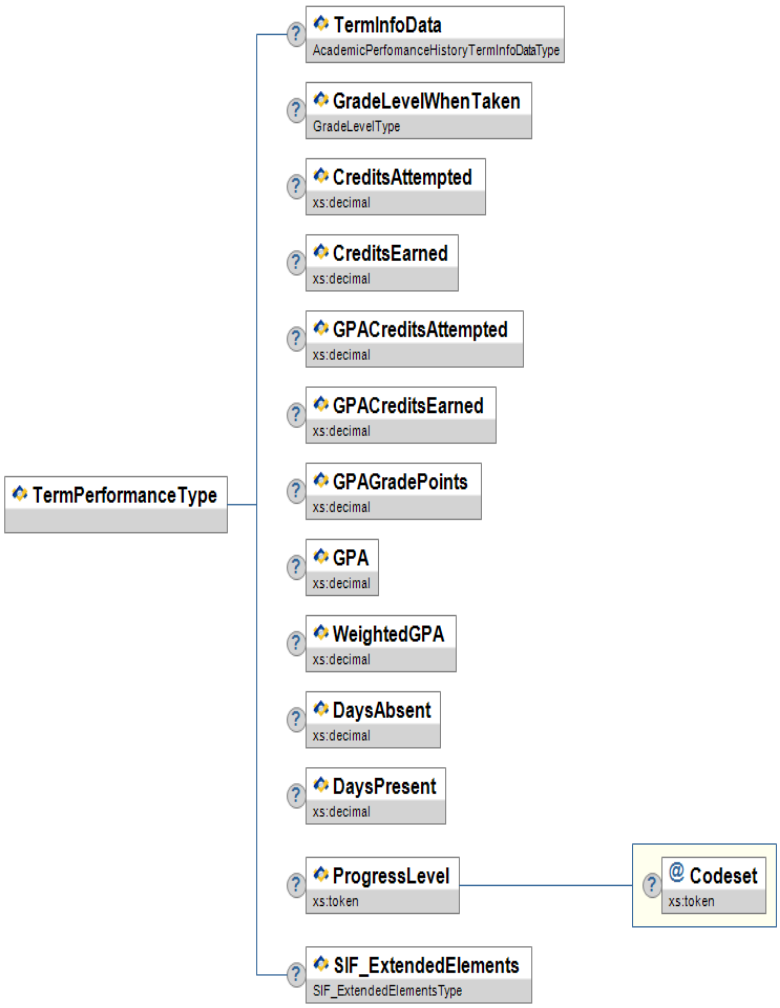

Figure A.862-1: TermPerformanceType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
TermPerformanceType			Individual term performance.	
TermInfoData	O		Collects elements of interest from TermInfo.	AcademicPerfomanceHistoryTermInfoDataType
GradeLevelWhenTaken	O		Student's grade level at time.	GradeLevelType
CreditsAttempted	O		Number of credits attempted.	xs:decimal
CreditsEarned	O		Number of credits earned.	xs:decimal
GPACreditsAttempted	O		Number of GPA credits attempted.	xs:decimal
GPACreditsEarned	O		Number of GPA credits earned.	xs:decimal
GPAGradePoints	O		Number of GPA points received.	xs:decimal
GPA	O		Grade point average for term.	xs:decimal

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	WeightedGPA	O		Weighted grade point average for term.	xs:decimal
	DaysAbsent	O		Number of days absent.	xs:decimal
	DaysPresent	O		Number of days present.	xs:decimal
	ProgressLevel	O	000561 https://ceds.ed.gov/element/000561	The amount of progress shown in academic subjects.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	SIF_ExtendedElements	O			SIF_ExtendedElementsType

Table A.862-1: TermPerformanceType

A.863 TermSpanType

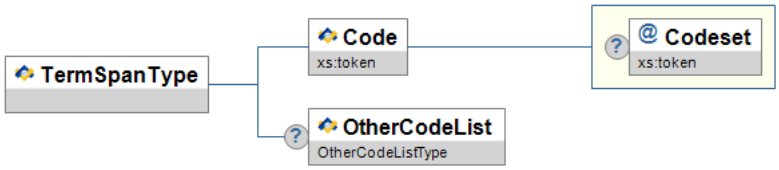

Figure A.863-1: TermSpanType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TermSpanType				
	Code	M		Code for session type.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.863-1: TermSpanType

JSON

```
{
  "TermSpan": {
    "Code": {
      "value": "0828"
    },
    "OtherCodeList": {
      "OtherCode": [
        {
          "Codeset": "Text",
          "value": "Semester"
        }
      ]
    }
  }
}
```

XML

```
<TermSpan>
  <Code>0828</Code>
  <OtherCodeList>
    <OtherCode Codeset="Text">Semester</OtherCode>
  </OtherCodeList>
</TermSpan>
```

Example A.863-1: TermSpanType

A.864 TestAccommodationAuthorizedActualType

Indicator - Identifies whether accommodations in this object are authorized or were actually used.

Figure A.864-1: TestAccommodationAuthorizedActualType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TestAccommodationAuthorizedActualType	M		Indicator - Identifies whether accommodations in this object are authorized or were actually used.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.864-1: TestAccommodationAuthorizedActualType

A.865 TextDataType

Contains arbitrary text, encoded in UTF-8.

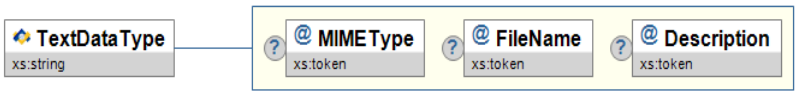

Figure A.865-1: TextDataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TextDataType	C		Contains arbitrary text, encoded in UTF-8.	xs:string
@	MIMEType	O		Optional MIME type to specifically indicate the text type. Otherwise `text/plain` can be assumed.	xs:token
@	FileName	O		Optional file name to indicate the file from which the content originated, or to suggest a name to use when saving the content.	xs:token
@	Description	O		Contains an optional description of the content or a processing hint with regard to its structure (e.g. named standard, file layout or XSD). Contents may be mandated in instances of this type, or types that follow the `AbstractContentPackageType` pattern.	xs:token

Table A.865-1: TextDataType

A.866 tiepHistoryItemIepDatesType

Figure A.866-1: tiepHistoryItemIepDatesType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
tiepHistoryItemIepDatesType				

Element/@Attribute	Char	CEDS Id/URL	Description	Type
start	O	001236 https://ceds.ed.gov/element/001236	The year, month and day on which the status of the service plan for a child is established or significantly altered	xs:date
end	O	001683 https://ceds.ed.gov/element/001683	The year, month and day on which the status of the service plan for a child effectively ends.	xs:date

Table A.866-1: tiepHistoryItemIepDatesType

A.867 tiepHistoryListItemType

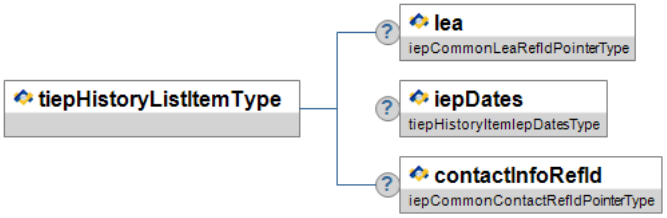

Figure A.867-1: tiepHistoryListItemType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
tiepHistoryListItemType			tiepHistoryListItemType is the base type for the following data types: • tiepHistoryListType	
lea	O		Pointer to school or other LEA where this historical IEP was created	iepCommonLeaRefIdPointerType
iepDates	O		Period that IEP is in effect	tiepHistoryItemIepDatesType
contactInfoRefId	O		Pointer to a person who has additional information about this IEP	iepCommonContactRefIdPointerType

Table A.867-1: tiepHistoryListItemType

A.868 tiepHistoryListType

List of previous IEPs and contact information for additional research.

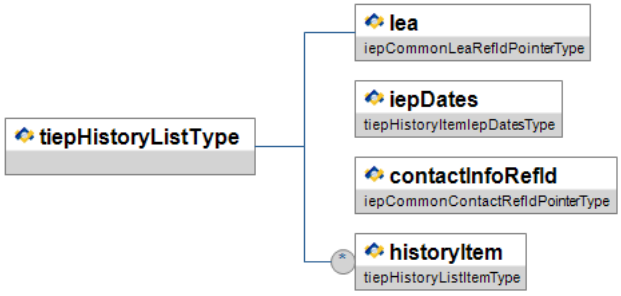

Figure A.868-1: tiepHistoryListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
tiepHistoryListType			List of previous IEPs and contact information for additional research.	Extension of tiepHistoryListItemType
lea	O		Pointer to school or other LEA where this historical IEP was created	iepCommonLeaRefIdPointerType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
iepDates	O		Period that IEP is in effect	tiepHistoryItemIepDatesType
contactInfoRefId	O		Pointer to a person who has additional information about this IEP	iepCommonContactRefIdPointerType
historyItem	OR		Documentation of existence of previous IEP and information about where to find out more information	tiepHistoryListItemType

Table A.868-1: tiepHistoryListType

A.869 tiepReferenceObjectContactListType

List of contacts referenced in the IEP

Figure A.869-1: tiepReferenceObjectContactListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
tiepReferenceObjectContactListType			List of contacts referenced in the IEP	
referenceContactPerson	OR		Information for a contact person referenced in the IEP by iepCommonContactRefIdPointerType	xContactType

Table A.869-1: tiepReferenceObjectContactListType

A.870 tiepReferenceObjectLeaListType

List of schools or other LEAs referenced in the IEP

Figure A.870-1: tiepReferenceObjectLeaListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
tiepReferenceObjectLeaListType			List of schools or other LEAs referenced in the IEP	
referenceLea	OR		Information for a school or other Local Education Agency referenced in the IEP by iepCommonLeaRefIdPointerType	xLeaType

Table A.870-1: tiepReferenceObjectLeaListType

A.871 tiepReferenceObjectOrganizationListType

List of organizations referenced in the IEP

Figure A.871-1: tiepReferenceObjectOrganizationListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
tiepReferenceObjectOrganizationListType			List of organizations referenced in the IEP	
referenceOrganization	OR		Information for an organization referenced in the IEP by iepStaffRefIdPointerType	xOrganizationType

Table A.871-1: tiepReferenceObjectOrganizationListType

A.872 tiepReferenceObjectStaffListType

List of staff members referenced in the IEP

Figure A.872-1: tiepReferenceObjectStaffListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
tiepReferenceObjectStaffListType			List of staff members referenced in the IEP	
referenceStaffPerson	OR		Information for a staff person referenced in the IEP by iepStaffRefIdPointerType	xStaffType

Table A.872-1: tiepReferenceObjectStaffListType

A.873 tiepReferenceObjectsType

This is the root entity of SIF objects. It is the highest level object in the SIF Conceptual Model for Education.

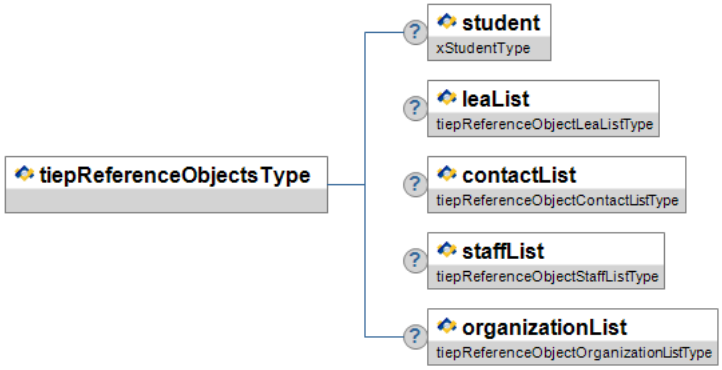

Figure A.873-1: tiepReferenceObjectsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
tiepReferenceObjectsType			This is the root entity of SIF objects. It is the highest level object in the SIF Conceptual Model for Education.	
student	O		Student who is the subject of this IEP	xStudentType
leaList	O		List of school or other Local Education Agencies referenced in this IEP	tiepReferenceObjectLeaListType
contactList	O		List of xContact objects for people who referenced in this IEP	tiepReferenceObjectContactListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
staffList	O		List of xStaff objects for staff members who participate in this IEP	tiepReferenceObjectStaffListType
organizationList	O		List of xOrganization objects for organizations that participate in this IEP	tiepReferenceObjectOrganizationListType

Table A.873-1: tiepReferenceObjectsType

A.874 TimeElementsType

Figure A.874-1: TimeElementsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
TimeElementsType	O			List
TimeElement	OR			TimeElementType

Table A.874-1: TimeElementsType

A.875 TimeElementType

A common metadata element designed to contain time data, both self-defined and by type.

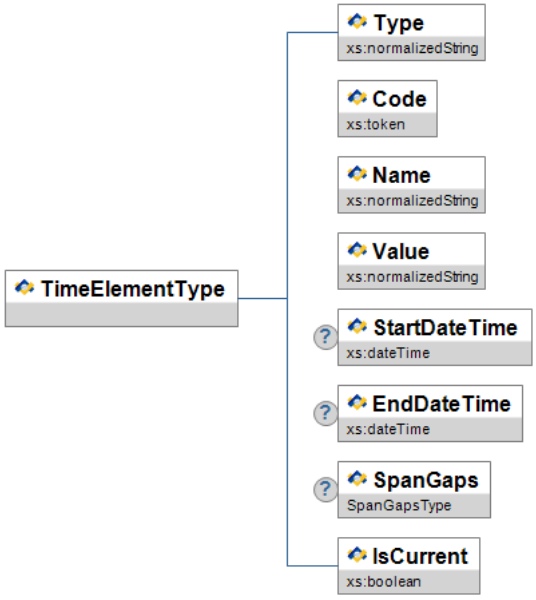

Figure A.875-1: TimeElementType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
TimeElementType			A common metadata element designed to contain time data, both self-defined and by type.	

Element/@Attribute	Char	CEDS Id/URL	Description	Type

Type	M		This element is designed to contain the time period attached to an object. Very long periods (school year, quarter, etc.) and very small periods (second, millisecond, etc.) can be defined. This element provides a scoping description of the time metadata enclosed.
			
			Because the educational environment varies so greatly we are including here a suggested but not prescriptive list of values. Although there may be unique needs for values not covered here—and we may have missed a major one—a best practice would be to utilize the examples here to enhance interoperability.
			
			Examples
			`Full school year`
			`Mini-term`
			`Long session`
			`Other`
			`Semester`
			`Trimester`
			`Quarter`
			`Spring Vacation`
			`Summer Term`
			`Intercession`
			`Holiday`
				xs:normalizedString

Code	M		This element provides a place for the application to send structured data (code values, unique identifier, timestamps). This code value can, depending upon the use case agreement between agents, be used to qualify the data in the `Value` element.
			
			Examples
			`2007SY`
			`2006.FallConferences`
				xs:token

Name	M		Contains a human-readable description of the value in `Value`.
			
			Examples
			`Class of '07`
			`Fall 2007 Parent-Teacher Conferences`
				xs:normalizedString

Value	M		Contains the human-readable value.
			
			Examples
			`2007`
			`Evening of 10/12/06`
				xs:normalizedString

StartDateTime	O			xs:dateTime
EndDateTime	O			xs:dateTime
SpanGaps	O		A container element for holding multiple possible span gaps.	SpanGapsType
IsCurrent	M		This element allows for the system to tag an object as being explicitly current. Although the baseline assumption in SIF is that objects are always current (default value is typically `true`), there are use cases when that is not the case.	xs:boolean

Table A.875-1: TimeElementType

JSON

```
{
  "TimeElement": {
    "Type": "Full school year",
    "Code": "01",
    "Name": "2004/2005 School Year",
    "Value": "2004-2005",
    "StartDateTime": "2004-09-01T06:00:00-07:00",
    "EndDateTime": "2005-06-30T13:00:00-07:00",
    "SpanGaps": {
      "SpanGap": [
        {
          "Type": "Holiday",
          "Code": "02",
          "Name": "2005 Winter Break",
          "Value": "2005 Winter Break",
          "StartDateTime": "2005-02-21T12:00:00-08:00",
          "EndDateTime": "2005-02-25T05:00:00-08:00"
        }
      ]
    },
    "IsCurrent": true
  }
}
```

XML

```
<TimeElement>
  <Type>Full school year</Type>
  <Code>01</Code>
  <Name>2004/2005 School Year</Name>
  <Value>2004-2005</Value>
  <StartDateTime>2004-09-01T08:00:00-05:00</StartDateTime>
  <EndDateTime>2005-06-30T15:00:00-05:00</EndDateTime>
  <SpanGaps>
    <SpanGap>
      <Type>Holiday</Type>
      <Code>02</Code>
      <Name>2005 Winter Break</Name>
      <Value>2005 Winter Break</Value>
      <StartDateTime>2005-02-21T15:00:00-05:00</StartDateTime>
      <EndDateTime>2005-02-25T08:00:00-05:00</EndDateTime>
    </SpanGap>
  </SpanGaps>
  <IsCurrent>true</IsCurrent>
</TimeElement>
```

Example A.875-1: TimeElementType

A.876 TimetableDayListType

The timetable days for this school year bell schedule. This essentially provides a list of the time day identifiers that are used in the BellPeriod definitions below with some additional properties for each. The identifiers defined here may be referenced by other objects / elements like MeetingTime.

Figure A.876-1: TimetableDayListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
TimetableDayListType	M		The timetable days for this school year bell schedule. This essentially provides a list of the time day identifiers that are used in the BellPeriod definitions below with some additional properties for each. The identifiers defined here may be referenced by other objects / elements like MeetingTime.	List
TimetableDay	MR		An entry for each unique timetable day.	TimetableDayType

Table A.876-1: TimetableDayListType

A.877 TimetableDayType

An entry for each unique timetable day

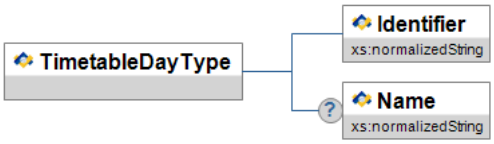

Figure A.877-1: TimetableDayType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
TimetableDayType	MR		An entry for each unique timetable day	
Identifier	M		The unique identifier for the timetable day for this school calendar.	xs:normalizedString
Name	O		The name of the timetable day.	xs:normalizedString

Table A.877-1: TimetableDayType

A.878 TimetablePeriodListType

The timetable periods for this school year bell schedule. This essentially provides a list of the time period identifiers that are used in the BellPeriod definitions below with some addition properties for each. The identifiers defined here may be referenced by other objects / elements like MeetingTime

Figure A.878-1: TimetablePeriodListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
TimetablePeriodListType	M		The timetable periods for this school year bell schedule. This essentially provides a list of the time period identifiers that are used in the BellPeriod definitions below with some addition properties for each. The identifiers defined here may be referenced by other objects / elements like MeetingTime	List

Element/@Attribute	Char	CEDS Id/URL	Description	Type
TimetablePeriod	MR		An entry for each unique timetable period.	TimetablePeriodType

Table A.878-1: TimetablePeriodListType

A.879 TimetablePeriodType

An entry for each unique timetable period.

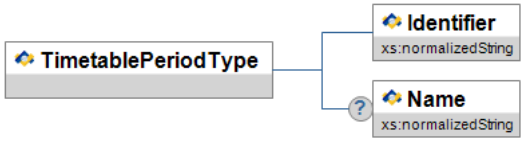

Figure A.879-1: TimetablePeriodType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
TimetablePeriodType	MR		An entry for each unique timetable period.	
Identifier	M		The unique identifier for the timetable period for this school calendar.	xs:normalizedString
Name	O		The name of the timetable period.	xs:normalizedString

Table A.879-1: TimetablePeriodType

A.880 Title1Type

Is the student in Title 1 programs?

Figure A.880-1: Title1Type

Element/@Attribute	Char	CEDS Id/URL	Description	Type
Title1Type			Is the student in Title 1 programs?	values: Yes No Unknown

Table A.880-1: Title1Type

JSON

```
{
  "Title1": "No"
}
```

XML

```
<Title1>No</Title1>
```

Example A.880-1: Title1Type

A.881 TitleListType

Figure A.881-1: TitleListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
TitleListType	M			List
Title	MR		Name of this type of curriculum object (e.g., "American Revolutionary War")	xs:normalizedString

Table A.881-1: TitleListType

A.882 TransferPointDisembarkBusRouteDetailType

GUID that identifies the bus stop/route where the student gets off the bus.

Figure A.882-1: TransferPointDisembarkBusRouteDetailType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TransferPointDisembarkBusRouteDetailType	M		GUID that identifies the bus stop/route where the student gets off the bus.	IdRefType
@	SIF_RefObject	M			values: BusRouteDetail

Table A.882-1: TransferPointDisembarkBusRouteDetailType

A.883 TransferPointListType

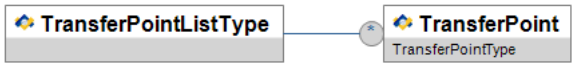

Figure A.883-1: TransferPointListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
TransferPointListType				List
TransferPoint	OR		There should be one TransferPoint element for each intermediate point on a trip. The "embark" and "disembark" bus stops for a single transfer point must be at the same location. To order multiple TransferPoint elements, use the Time element of the BusStopInfo objects referenced by the attributes.	TransferPointType

Table A.883-1: TransferPointListType

A.884 TransferPointType

There should be one TransferPoint element for each intermediate point on a trip. The "embark" and "disembark" bus stops for a single transfer point must be at the same location. To order multiple TransferPoint elements, use the Time element of the BusStopInfo objects referenced by the attributes.

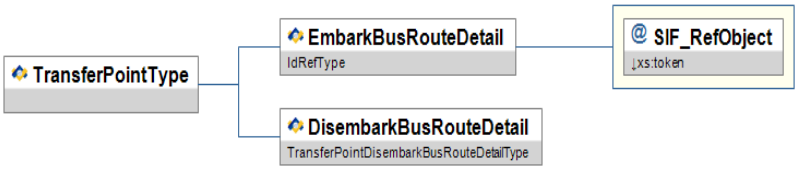

Figure A.884-1: TransferPointType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TransferPointType			There should be one TransferPoint element for each intermediate point on a trip. The "embark" and "disembark" bus stops for a single transfer point must be at the same location. To order multiple TransferPoint elements, use the Time element of the BusStopInfo objects referenced by the attributes.	
	EmbarkBusRouteDetail	M		GUID that identifies the bus stop/route where the student gets on the bus.	IdRefType
@	SIF_RefObject	M			values: BusRouteDetail
	DisembarkBusRouteDetail	M			TransferPointDisembarkBusRouteDetailType

Table A.884-1: TransferPointType

A.885 TypedCreator2Type

Name of a Creator.

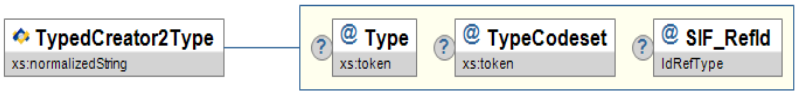

Figure A.885-1: TypedCreator2Type

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TypedCreator2Type			Name of a Creator.	xs:normalizedString
@	Type	O		The type of the object representing the Creator.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
@	SIF_RefId	O		RefId of SIF object representing the creator if such exists.	IdRefType

Table A.885-1: TypedCreator2Type

A.886 TypedCreatorType

Name of the Creator of the relationship.

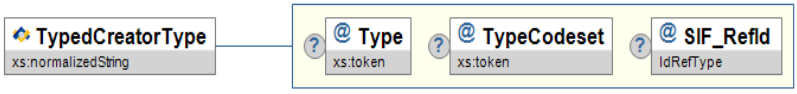

Figure A.886-1: TypedCreatorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	TypedCreatorType			Name of the Creator of the relationship.	xs:normalizedString
@	Type	O		The object type of the object representing the Creator.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
@	SIF_RefId	O		RefId of SIF object representing the creator if such exists.	IdRefType

Table A.886-1: TypedCreatorType

A.887 URIOrBinaryType

Allows for a URL or a Base-64 encoding.

Figure A.887-1: URIOrBinaryType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
URIOrBinaryType			Allows for a URL or a Base-64 encoding.	union of: xs:anyURI xs:base64Binary

Table A.887-1: URIOrBinaryType

A.888 UserOrganizationAssociationPersonRefIdType

RefId of the person or any other SIF role object instance (e.g., student) of the person.

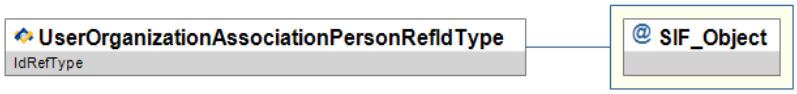

Figure A.888-1: UserOrganizationAssociationPersonRefIdType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	UserOrganizationAssociationPersonRefIdType	M		RefId of the person or any other SIF role object instance (e.g., student) of the person.	IdRefType
@	SIF_Object	M		The name of the SIF object that is being referenced by the payload of this element.	

Table A.888-1: UserOrganizationAssociationPersonRefIdType

A.889 ValidMarkCleanType

Valid letter Mark.

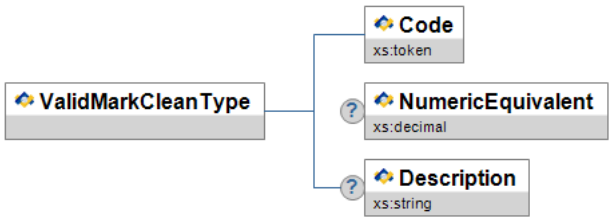

Figure A.889-1: ValidMarkCleanType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ValidMarkCleanType			Valid letter Mark.	
	Code	M		String representing the actual Mark that would appear on the report card (e.g., "A+", "I", "100").	xs:token
	NumericEquivalent	O	000616 https://ceds.ed.gov/element/000616	Numeric equivalent for the Mark (e.g., 100, 4.0).	xs:decimal
	Description	O		The description for this code. (e.g. "Excellent", "Participates in Class", "Incomplete", etc...).	xs:string

Table A.889-1: ValidMarkCleanType

A.890 ValidMarkType

Valid letter Mark.

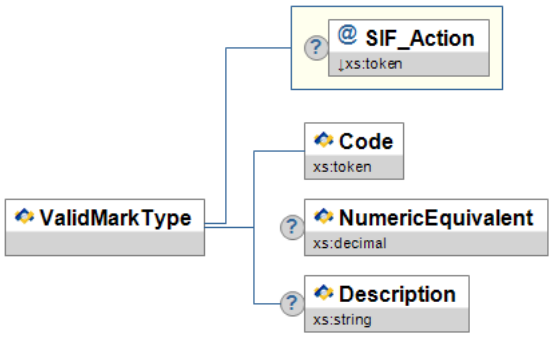

Figure A.890-1: ValidMarkType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	ValidMarkType			Valid letter Mark.	
@	SIF_Action	O		In a `Change` event, this flag can be used to indicate an element has been deleted from the parent list container. At a minimum the key for the list must also be present.	values: `Delete`
	Code	M		String representing the actual Mark that would appear on the report card (e.g., "A+", "I", "100").	`xs:token`
	NumericEquivalent	O		Numeric equivalent for the Mark (e.g., 100, 4.0).	`xs:decimal`
	Description	O		The description for this code. (e.g. "Excellent", "Participates in Class", "Incomplete", etc...).	`xs:string`

Table A.890-1: ValidMarkType

A.891 VersionType

A SIF version number.

Figure A.891-1: VersionType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

VersionType			A SIF version number.	`xs:token`
				`xs:pattern` `[0-9]+[.][0-9]+(r[0-9]+)?`
				`xs:maxLength` 12

Table A.891-1: VersionType

A.892 VersionWithWildcardsType

A SIF version number, with wildcards for matching multiple versions.

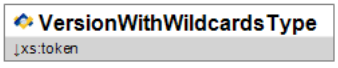

Figure A.892-1: VersionWithWildcardsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type

VersionWithWildcardsType			A SIF version number, with wildcards for matching multiple versions.	`xs:token`
				`xs:pattern` `\*|([0-9]+[.]\*)|([0-9]+[.][0-9]+r\*)|([0-9]+[.][0-9]+(r[0-9]+)?)`
				`xs:maxLength` 12

Table A.892-1: VersionWithWildcardsType

A.893 VictimListType

List of victim(s) if the incident is directed toward specific persons or their property.

Figure A.893-1: VictimListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	VictimListType	C		List of victim(s) if the incident is directed toward specific persons or their property.	List
	Victim	MR		Information regarding the victim(s) in the incident.	VictimType

Table A.893-1: VictimListType

A.894 VictimType

Information regarding the victim(s) in the incident.

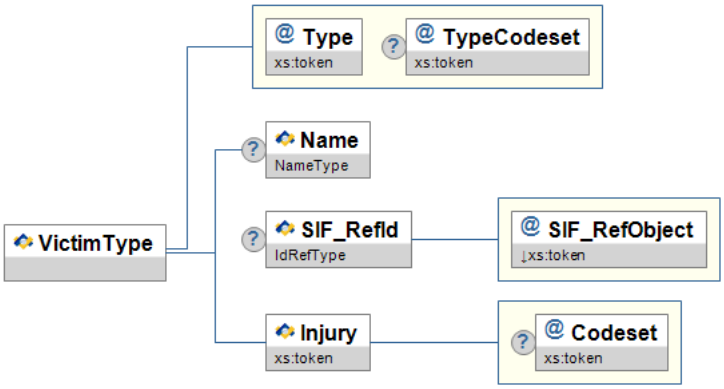

Figure A.894-1: VictimType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	VictimType	MR		Information regarding the victim(s) in the incident.	
@	Type	M		Identifies the type of individual victimized in the incident.	xs:token
@	TypeCodeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	Name	O		The name of the victim.	NameType
	SIF_RefId	C		If the Victim Type attribute identifies the victim as a Student or Staff Member, then this element should contain the Id (GUID) of the student or staff to whom this information relates.	IdRefType
@	SIF_RefObject	M		SIF Object to which the SIFRefId relates.	values: StudentPersonal StaffPersonal EmployeePersonal

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	Injury	M		Identifies whether or not this specific victim was physically injured, and if so, identify whether the injury was major or minor.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.894-1: VictimType

A.895 VocationalConcentratorType

Does the student meet the State criteria for classification as a vocational concentrator?

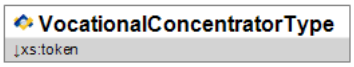

Figure A.895-1: VocationalConcentratorType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	VocationalConcentratorType			Does the student meet the State criteria for classification as a vocational concentrator?	values: Yes No Unknown

Table A.895-1: VocationalConcentratorType

JSON

```
{
  "VocationalConcentrator": "No"
}
```

XML

```
<VocationalConcentrator>No</VocationalConcentrator>
```

Example A.895-1: VocationalConcentratorType

A.896 WeaponTypeListType

List of weapons involved in the incident. If the incident involves weapons, the element must have a value.

Each weapon used in the incident is identified by a WeaponType entry. When multiple weapons of a single type are used, each weapon has a separate entry in this list.

Weapons used by individual offenders are also reported in WeaponTypeList entries associated to the offender.

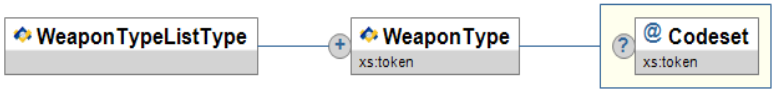

Figure A.896-1: WeaponTypeListType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	WeaponTypeListType	C		List of weapons involved in the incident. If the incident involves weapons, the element must have a value. Each weapon used in the incident is identified by a WeaponType entry. When multiple weapons of a single type are used, each weapon has a separate entry in this list. Weapons used by individual offenders are also reported in WeaponTypeList entries associated to the offender.	List
	WeaponType	MR	000557 https://ceds.ed.gov/element/000557	Identifies the type of weapon used during an incident.	xs:token

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token

Table A.896-1: WeaponTypeListType

A.897 WhenServiceProvidedType

General timing of service delivery relative to school calendar / schedule.

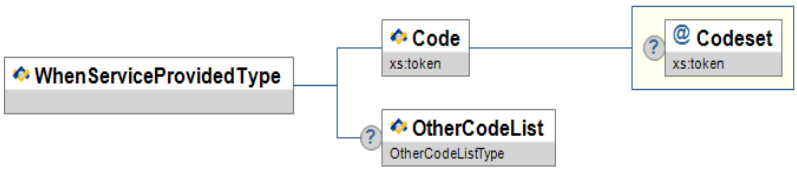

Figure A.897-1: WhenServiceProvidedType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	WhenServiceProvidedType			General timing of service delivery relative to school calendar / schedule.	
	Code	M		General timing of service delivery relative to school calendar / schedule.	xs:token
@	Codeset	O		A unique indicator (usually a URL) that points to the codeset used.	xs:token
	OtherCodeList	O			OtherCodeListType

Table A.897-1: WhenServiceProvidedType

A.898 xAcademicSummaryType

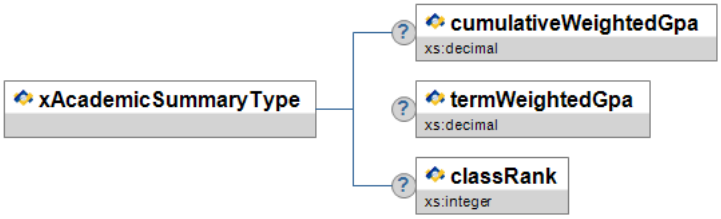

Figure A.898-1: xAcademicSummaryType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	xAcademicSummaryType				
	cumulativeWeightedGpa	O	000128 https://ceds.ed.gov/element/000128	A measure of average performance in all courses taken by a person during his or her school career as determined for record-keeping purposes. This is obtained by dividing the total grade points received by the total number of credits attempted. This usually includes grade points received and credits attempted in his or her current school as well as those transferred from schools in which the person was previously enrolled.	xs:decimal
	termWeightedGpa	O	000129 https://ceds.ed.gov/element/000129	A measure of average performance in all courses taken by a person during a given session. This is obtained by dividing the total grade points received by the number of credits attempted for the same session.	xs:decimal
	classRank	O	000041 https://ceds.ed.gov/element/000041	The academic rank of a student in relation to his or her high school graduating class (e.g., 1, 2, 3) based on high school GPA.	xs:integer

Table A.898-1: xAcademicSummaryType

A.899 xApplicableEducationLevelListType

A list of applicable education levels.

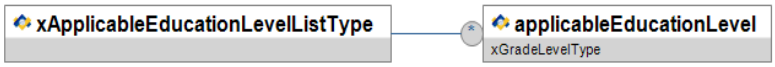

Figure A.899-1: xApplicableEducationLevelListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xApplicableEducationLevelListType			A list of applicable education levels.	
applicableEducationLevel	OR	001301 https://ceds.ed.gov/element/001301	The education level, grade level or primary instructional level at which a course is intended.	xGradeLevelType

Table A.899-1: xApplicableEducationLevelListType

A.900 xContactStudentRelationshipListType

Figure A.900-1: xContactStudentRelationshipListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xContactStudentRelationshipListType				
relationship	OR			xContactStudentRelationshipType

Table A.900-1: xContactStudentRelationshipListType

A.901 xContactStudentRelationshipType

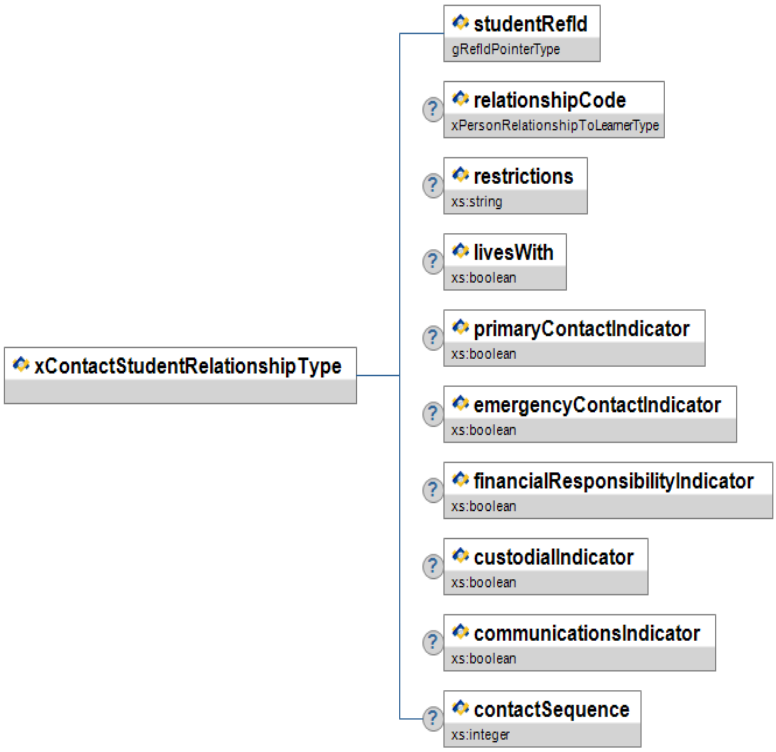

Figure A.901-1: xContactStudentRelationshipType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xContactStudentRelationshipType				

Element/@Attribute	Char	CEDS Id/URL	Description	Type
studentRefId	M			qRefIdPointerType
relationshipCode	O	000425 https://ceds.ed.gov/element/000425		xPersonRelationshipToLearnerType
restrictions	O	001424 https://ceds.ed.gov/element/001424	Restrictions for student and/or teacher contact with the individual (e.g., the student may not be picked up by the individual.	xs:string
livesWith	O	001425 https://ceds.ed.gov/element/001425	Indicates whether or not the learner lives with the related person.	xs:boolean
primaryContactIndicator	O	001428 https://ceds.ed.gov/element/001428	Indicates that a person is a primary contact within the specified context, such as a primary parental contact specified in Person Relationship to Learner or a primary administrative contact for an organization.	xs:boolean
emergencyContactIndicator	O	001341 https://ceds.ed.gov/element/001341	Indicates whether or not the person is a designated emergency contact for the learner.	xs:boolean
financialResponsibilityIndicator	O			xs:boolean
custodialIndicator	O	000329 https://ceds.ed.gov/element/000329		xs:boolean
communicationsIndicator	O			xs:boolean
contactSequence	O	001423 https://ceds.ed.gov/element/001423	The numeric order in the preferred sequence and priority for contacting a person related to the learner.	xs:integer

Table A.901-1: xContactStudentRelationshipType

A.902 xCourseIdType

The actual code that identifies the organization of subject matter and related learning experiences provided for the instruction of students.

Figure A.902-1: xCourseIdType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xCourseIdType	O	000055 https://ceds.ed.gov/element/000055	The actual code that identifies the organization of subject matter and related learning experiences provided for the instruction of students.	xs:token

Table A.902-1: xCourseIdType

A.903 xDayListType

A list of days.

Figure A.903-1: xDayListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xDayListType			A list of days.	
bellScheduleDay	O	000521 https://ceds.ed.gov/element/000521		xDayOfWeekType

Table A.903-1: xDayListType

A.904 xDemographicsType

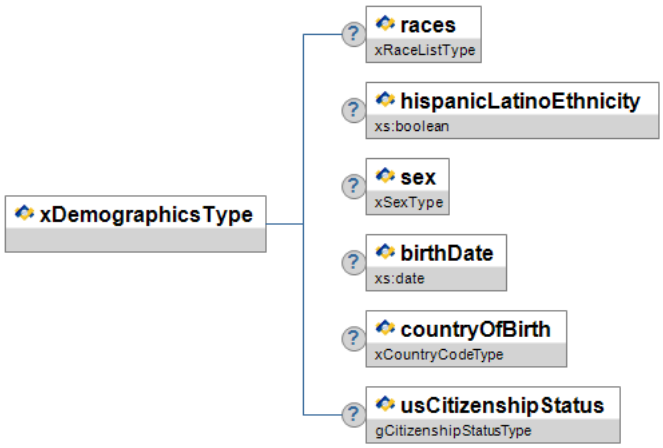

Figure A.904-1: xDemographicsType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xDemographicsType				
races	O		A list of races.	xRaceListType
hispanicLatinoEthnicity	O	000144 https://ceds.ed.gov/element/000144	An indication that the person traces his or her origin or descent to Mexico, Puerto Rico, Cuba, Central and South America, and other Spanish cultures, regardless of race.	xs:boolean
sex	O	000255 https://ceds.ed.gov/element/000255	The concept describing the biological traits that distinguish the males and females of a species.	xSexType
birthDate	O	000033 https://ceds.ed.gov/element/000033	The year, month and day on which a person was born.	xs:date
countryOfBirth	O	000050 https://ceds.ed.gov/element/000050		xCountryCodeType
usCitizenshipStatus	O	000299 https://ceds.ed.gov/element/000299	An indicator of whether or not the person is a US citizen.	gCitizenshipStatusType

Table A.904-1: xDemographicsType

A.905 xEmailListType

Figure A.905-1: xEmailListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xEmailListType				
email	OR	000088 https://ceds.ed.gov/element/000088	The numbers, letters, and symbols used to identify an electronic mail (e-mail) user within the network to which the person or organization belongs.	xEmailType

Table A.905-1: xEmailListType

A.906 xEmailType

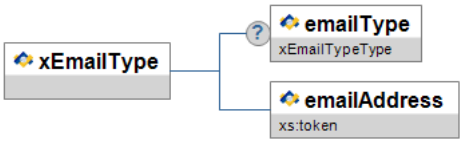

Figure A.906-1: xEmailType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xEmailType				
emailType	O	000089 https://ceds.ed.gov/element/000089	The type of electronic mail (e-mail) address listed for a person or organization.	xEmailTypeType
emailAddress	M	000088 https://ceds.ed.gov/element/000088	The numbers, letters, and symbols used to identify an electronic mail (e-mail) user within the network to which the person or organization belongs.	xs:token

Table A.906-1: xEmailType

A.907 xEnrollmentListType

A list of enrollments.

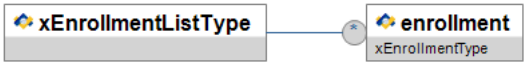

Figure A.907-1: xEnrollmentListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xEnrollmentListType			A list of enrollments.	
enrollment	OR		Enrollment information for the student.	xEnrollmentType

Table A.907-1: xEnrollmentListType

A.908 xEnrollmentType

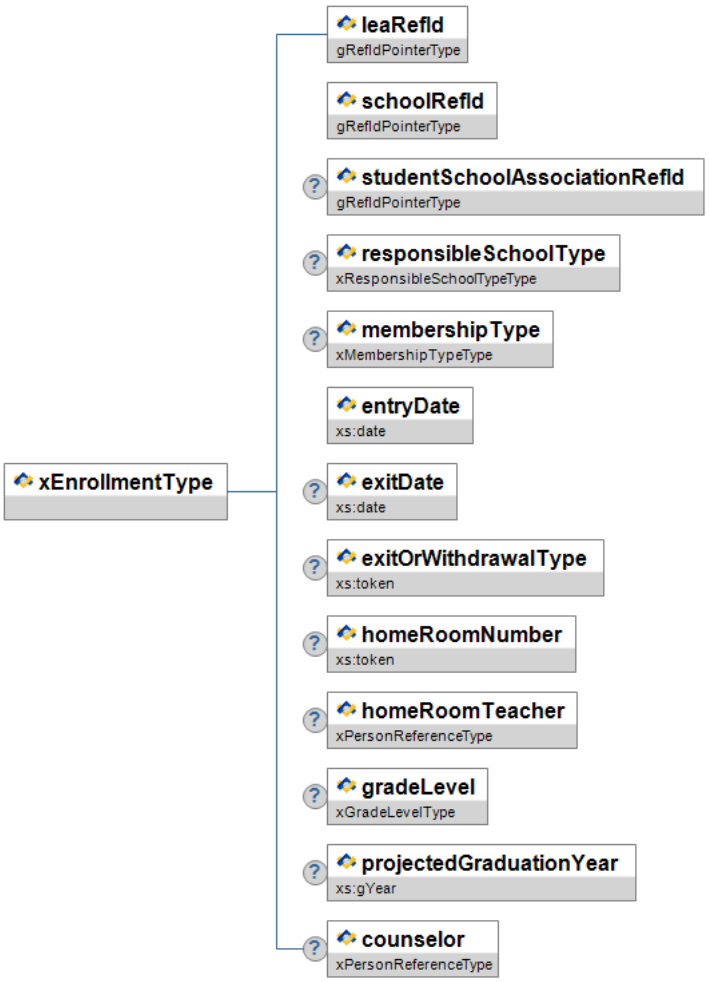

Figure A.908-1: xEnrollmentType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xEnrollmentType				
leaRefId	M		RefId of the LEA	gRefIdPointerType
schoolRefId	M		RefId of the school.	gRefIdPointerType
studentSchoolAssociationRefId	O		RefId of the SIF Student-School Association object.	gRefIdPointerType
responsibleSchoolType	O	000595 https://ceds.ed.gov/element/000595	The type of services/instruction the school is responsible for providing to the student.	xResponsibleSchoolTypeType
membershipType	O		The student's type of membership in the system.	xMembershipTypeType
entryDate	M	000097 https://ceds.ed.gov/element/000097	The month, day, and year on which a person enters and begins to receive instructional services in a school, institution, program, or class-section during a given session.	xs:date
exitDate	O	000107 https://ceds.ed.gov/element/000107	The year, month and day on which the student officially withdrew or graduated, i.e. the date on which the student's enrollment ended.	xs:date

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	exitOrWithdrawalType	O	000110 https://ceds.ed.gov/element/000110	The circumstances under which the student exited from membership in an educational institution.	xs:token
	homeRoomNumber	O	000364 https://ceds.ed.gov/element/000364	Home Room number	xs:token
	homeRoomTeacher	O			xPersonReferenceType
	gradeLevel	O		The current grade or academic level of the student within a school.	xGradeLevelType
	projectedGraduationYear	O	000226 https://ceds.ed.gov/element/000226	The year and month the student is projected to graduate.	xs:gYear
	counselor	O		RefId of the counselor.	xPersonReferenceType

Table A.908-1: xEnrollmentType

A.909 xIepType

This is the root entity of SIF objects. It is the highest level object in the SIF Conceptual Model for Education.

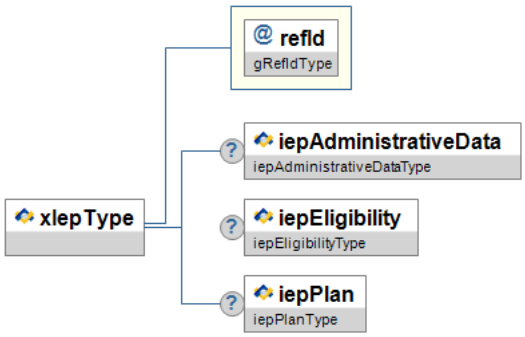

Figure A.909-1: xIepType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	xIepType			This is the root entity of SIF objects. It is the highest level object in the SIF Conceptual Model for Education.	
@	refId	M			gRefIdType
	iepAdministrativeData	O			iepAdministrativeDataType
	iepEligibility	O			iepEligibilityType
	iepPlan	O			iepPlanType

Table A.909-1: xIepType

A.910 xLanguageCodeType

The code for the specific language or dialect that a person uses to communicate.

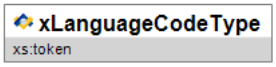

Figure A.910-1: xLanguageCodeType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	xLanguageCodeType	O	000317 https://ceds.ed.gov/element/000317	The code for the specific language or dialect that a person uses to communicate.	xs:token

Table A.910-1: xLanguageCodeType

A.911 xLanguageListType

A list of languages.

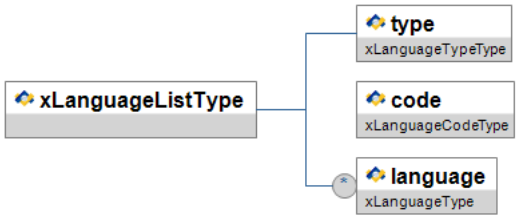

Figure A.911-1: xLanguageListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xLanguageListType			A list of languages.	Extension of `xLanguageType`
type	O	000316 https://ceds.ed.gov/element/000316	An indication of the function and context in which a person uses a language to communicate.	`xLanguageTypeType`

code	O	000317
		https://ceds.ed.gov/element/000317
			The code for the specific language or dialect that a person uses to communicate.	`xLanguageCodeType`
				values:
				`aar`
				`abk`
				`ace`
				`ach`
				`ada`
				`ady`
				`afa`
				`afh`
				`afr`
				`ain`
				`aka`
				`akk`
				`alb`
				`ale`
				`alg`
				`alt`
				`amh`
				`ang`
				`anp`
				`apa`
				`ara`
				`arc`
				`arg`
				`arm`
				`arn`
				`arp`
				`art`
				`arw`
				`asm`
				`ast`
				`ath`
				`aus`
				`ava`
				`ave`
				`awa`
				`aym`
				`aze`
				`bad`
				`bai`
				`bak`
				`bal`
				`bam`
				`ban`
				`baq`
				`bas`
				`bat`
				`bej`
				`bel`
				`bem`
				`ben`
				`ber`
				`bho`
				`bih`
				`bik`
				`bin`
				`bis`
				`bla`
				`bnt`
				`bos`
				`bra`
				`bre`
				`btk`
				`bua`
				`bug`
				`bul`
				`bur`
				`byn`
				`cad`
				`cai`
				`car`
				`cat`
				`cau`
				`ceb`
				`cel`
				`cha`
				`chb`
				`che`
				`chg`
				`chi`

Element/@Attribute	Char	CEDS Id/URL	Description	Type
				chk chm chn cho chp chr chu chv chy cmc cop cor cos cpe cpf cpp cre crh crp csb cus cze dak dan dar day del den dgr din div doi dra dsb dua dum dut dyu dzo efi egy eka elx eng enm epo est ewe ewo fan fao fat fij fil fin fiu fon fre frm fro frr frs fry ful fur gaa gay gba gem geo ger gez gil gla gle glg glv gmh goh gon gor got grb grc gre grn gsw guj gwi hai hat hau haw heb her hil him hin hit hmn hmo hrv hsb hun hup iba ibo ice ido iii ijo iku ile ilo ina inc ind ine inh ipk ira iro ita jav jbo jpn jpr jrb kaa kab kac

Element/@Attribute	Char	CEDS Id/URL	Description	Type
				kal kam kan kar kas kau kaw kaz kbd kha khi khm kho kik kin kir kmb kok kom kon kor kos kpe krc krl kro kru kua kum kur kut lad lah lam lao lat lav lez lim lin lit lol loz ltz lua lub lug lui lun luo lus mac mad mag mah mai mak mal man mao map mar mas may mdf mdr men mga mic min mis mkh mlg mlt mnc mni mno moh mon mos mul mun mus mwl mwr myn myv nah nai nap nau nav nbl nde ndo nds nep new nia nic niu nno nob nog non nor nqo nso nub nwc nya nym nyn nyo nzi oci oji ori orm osa oss ota oto paa pag pal pam pan pap pau peo

Element/@Attribute	Char	CEDS Id/URL	Description	Type
				per phi phn pli pol pon por pra pro pus que raj rap rar roa roh rom rum run rup rus sad sag sah sai sal sam san sas sat scn sco sel sem sga sgn shn sid sin sio sit sla slo slv sma sme smi smj smn smo sms sna snd snk sog som son sot spa srd srn srp srr ssa ssw suk sun sus sux swa swe syc syr tah tai tam tat tel tem ter tet tgk tgl tha tib tig tir tiv tkl tlh tli tmh tog ton tpi tsi tsn tso tuk tum tup tur tut tvl twi tyv udm uga uig ukr umb und urd uzb vai ven vie vol vot wak wal war was wel wen wln wol xal xho yao yap

Element/@Attribute	Char	CEDS Id/URL	Description	Type
				yid yor ypk zap zbl zen zha znd zul zun zxx zza
language	OR	000317 https://ceds.ed.gov/element/000317	The specific language or dialect that a person uses to communicate.	xLanguageType

Table A.911-1: xLanguageListType

A.912 xLanguageType

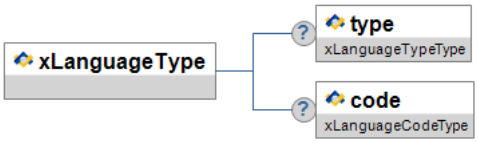

Figure A.912-1: xLanguageType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xLanguageType			xLanguageType is the base type for the following data types: • xLanguageListType	
type	O	000316 https://ceds.ed.gov/element/000316	An indication of the function and context in which a person uses a language to communicate.	xLanguageTypeType
code	O	000317 https://ceds.ed.gov/element/000317	The code for the specific language or dialect that a person uses to communicate.	xLanguageCodeType values: aar abk ace ach ada ady afa afh afr ain aka akk alb ale alg alt amh ang anp apa ara arc arg arm arn arp art arw asm ast ath aus ava ave awa aym aze bad bai bak bal bam ban baq bas bat bej bel bem ben ber bho bih bik bin bis bla bnt bos bra bre btk bua bug bul bur

Element/@Attribute	Char	CEDS Id/URL	Description	Type
				byn cad cai car cat cau ceb cel cha chb che chg chi chk chm chn cho chp chr chu chv chy cmc cop cor cos cpe cpf cpp cre crh crp csb cus cze dak dan dar day del den dgr din div doi dra dsb dua dum dut dyu dzo efi egy eka elx eng enm epo est ewe ewo fan fao fat fij fil fin fiu fon fre frm fro frr frs fry ful fur gaa gay gba gem geo ger gez gil gla gle glg glv gmh goh gon gor got grb grc gre grn gsw guj gwi hai hat hau haw heb her hil him hin hit hmn hmo hrv hsb hun hup iba ibo ice ido iii ijo iku ile ilo ina inc ind ine

Element/@Attribute	Char	CEDS Id/URL	Description	Type
				inh ipk ira iro ita jav jbo jpn jpr jrb kaa kab kac kal kam kan kar kas kau kaw kaz kbd kha khi khm kho kik kin kir kmb kok kom kon kor kos kpe krc krl kro kru kua kum kur kut lad lah lam lao lat lav lez lim lin lit lol loz ltz lua lub lug lui lun luo lus mac mad mag mah mai mak mal man mao map mar mas may mdf mdr men mga mic min mis mkh mlg mlt mnc mni mno moh mon mos mul mun mus mwl mwr myn myv nah nai nap nau nav nbl nde ndo nds nep new nia nic niu nno nob nog non nor nqo nso nub nwc nya nym nyn nyo nzi oci oji ori

Element/@Attribute	Char	CEDS Id/URL	Description	Type
				orm osa oss ota oto paa pag pal pam pan pap pau peo per phi phn pli pol pon por pra pro pus que raj rap rar roa roh rom rum run rup rus sad sag sah sai sal sam san sas sat scn sco sel sem sga sgn shn sid sin sio sit sla slo slv sma sme smi smj smn smo sms sna snd snk sog som son sot spa srd srn srp srr ssa ssw suk sun sus sux swa swe syc syr tah tai tam tat tel tem ter tet tgk tgl tha tib tig tir tiv tkl tlh tli tmh tog ton tpi tsi tsn tso tuk tum tup tur tut tvl twi tyv udm uga uig ukr umb und urd uzb vai ven vie vol

Element/@Attribute	Char	CEDS Id/URL	Description	Type
				vot wak wal war was wel wen wln wol xal xho yao yap yid yor ypk zap zbl zen zha znd zul zun zxx zza

Table A.912-1: xLanguageType

A.913 xLoginIdType

The login identifier for the person for the specified Authentication Identity Provider.

Figure A.913-1: xLoginIdType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xLoginIdType	O	001170 https://ceds.ed.gov/element/001170	The login identifier for the person for the specified Authentication Identity Provider.	xs:token

Table A.913-1: xLoginIdType

A.914 xMeetingTimeListType

A List of meeting times.

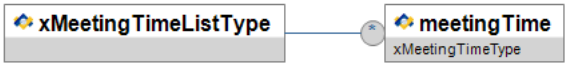

Figure A.914-1: xMeetingTimeListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xMeetingTimeListType			A List of meeting times.	
meetingTime	OR		Information about the periodic days and meeting times of a section.	xMeetingTimeType

Table A.914-1: xMeetingTimeListType

A.915 xMeetingTimeType

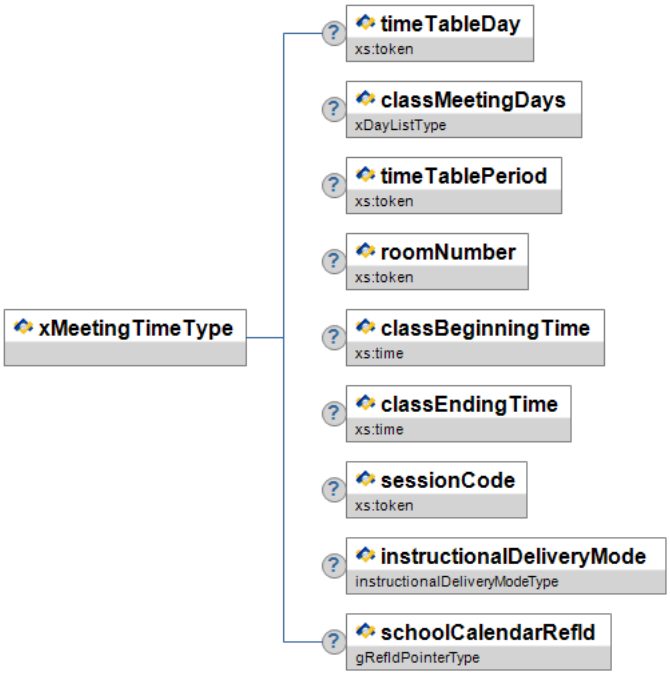

Figure A.915-1: xMeetingTimeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xMeetingTimeType				
timeTableDay	O	000523 https://ceds.ed.gov/element/000523	The unique identifier for the locally defined rotation cycle date code when the class meets (e.g., in a two day schedule, valid values could be "A" and "B", or "1" and "2").	xs:token
classMeetingDays	O	000521 https://ceds.ed.gov/element/000521	The day(s) of the week (e.g., Monday, Wednesday) that the class meets or an indication that a class meets "out-of-school" or "self-paced".	xDayListType
timeTablePeriod	O	000522 https://ceds.ed.gov/element/000522	An indication of the portion of a typical daily session in which students receive instruction in a specified subject (e.g., morning, sixth period, block period, or AB schedules).	xs:token
roomNumber	O	000364 https://ceds.ed.gov/element/000364	A unique number or alphanumeric code assigned to a room by a school, school system, state, or other agency or entity.	xs:token
classBeginningTime	O	000519 https://ceds.ed.gov/element/000519	An indication of the time of day the class begins.	xs:time
classEndingTime	O	000520 https://ceds.ed.gov/element/000520	An indication of the time of day the class ends.	xs:time
sessionCode	O	000252 https://ceds.ed.gov/element/000252	A local code given to the session, usually for a session that represents a term within the school year such as a marking term.	xs:token
instructionalDeliveryMode	O		How instruction is expected to be delivered.	instructionalDeliveryModeType
schoolCalendarRefId	O		The RefId of the school calendar.	gRefIdPointerType

Table A.915-1: xMeetingTimeType

A.916 XMLDataType

Contains an arbitary XML element, encoded in UTF-8.

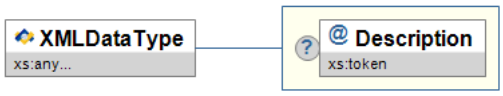

Figure A.916-1: XMLDataType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	XMLDataType	C		Contains an arbitary XML element, encoded in UTF-8.	`<xs:any processContents="lax" />`
@	Description	O		Contains an optional description of the content or a processing hint with regard to its structure (e.g. named standard, file layout or XSD). Contents may be mandated in instances of this type, or types that follow the `AbstractContentPackageType` pattern.	`xs:token`

Table A.916-1: XMLDataType

A.917 xOrganizationAddressType

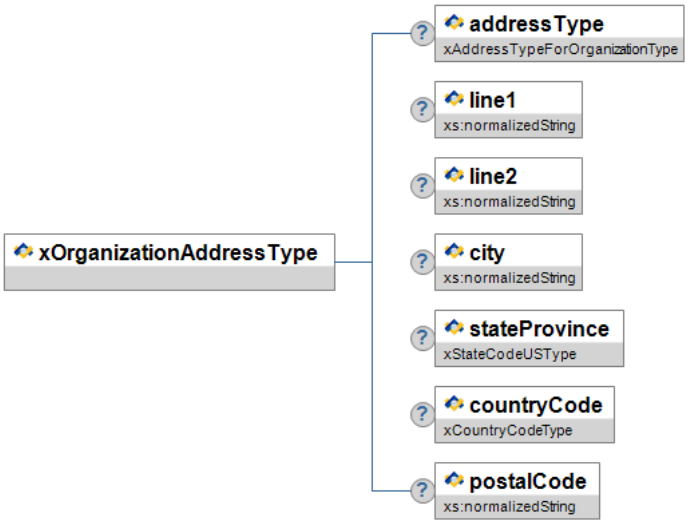

Figure A.917-1: xOrganizationAddressType

	Element/@Attribute	Char	CEDS Id/URL	Description	Type
	xOrganizationAddressType				
	addressType	O	001066 https://ceds.ed.gov/element/001066	The type of address listed for an organization. Generally the mailing address.	`xAddressTypeForOrganizationType`
	line1	O	000269 https://ceds.ed.gov/element/000269	The first line of the address.	`xs:normalizedString`
	line2	O	000019 https://ceds.ed.gov/element/000019	The second line of the address.	`xs:normalizedString`
	city	O	000040 https://ceds.ed.gov/element/000040	The name of the city in which an address is located.	`xs:normalizedString`
	stateProvince	O	000267 https://ceds.ed.gov/element/000267	The abbreviation for the state, province or outlying area in which an address is located.	`xStateCodeUSType`

Element/@Attribute	Char	CEDS Id/URL	Description	Type
countryCode	O	000050 https://ceds.ed.gov/element/000050	The unique two character International Organization for Standardization (ISO) code for the country in which an address is located.	xCountryCodeType
postalCode	O	000214 https://ceds.ed.gov/element/000214	A number that identifies each postal delivery area in the locale used as a portion of an address.	xs:normalizedString

Table A.917-1: xOrganizationAddressType

A.918 xOrganizationIdentificationSystemType

A coding scheme that is used for identification and record-keeping purposes by schools, social services, or other agencies to refer to an organization.

Figure A.918-1: xOrganizationIdentificationSystemType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xOrganizationIdentificationSystemType	O	000827 https://ceds.ed.gov/element/000827	A coding scheme that is used for identification and record-keeping purposes by schools, social services, or other agencies to refer to an organization.	xs:token

Table A.918-1: xOrganizationIdentificationSystemType

A.919 xOrganizationIdType

A unique number or alphanumeric code assigned to an organization by a school, school system, a state, or other agency or entity.

Figure A.919-1: xOrganizationIdType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xOrganizationIdType	O	000826 https://ceds.ed.gov/element/000826	A unique number or alphanumeric code assigned to an organization by a school, school system, a state, or other agency or entity.	xs:token

Table A.919-1: xOrganizationIdType

A.920 xOrganizationType

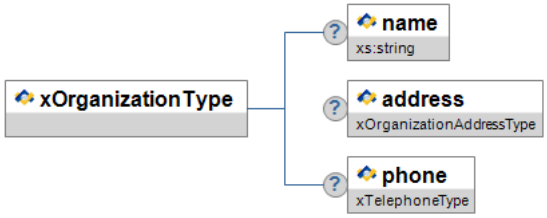

Figure A.920-1: xOrganizationType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xOrganizationType				
name	O			xs:string
address	O			xOrganizationAddressType
phone	O			xTelephoneType

Table A.920-1: xOrganizationType

A.921 xOtherCourseIdListType

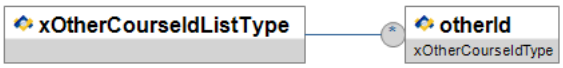

Figure A.921-1: xOtherCourseIdListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xOtherCourseIdListType				
otherId	OR			xOtherCourseIdType

Table A.921-1: xOtherCourseIdListType

A.922 xOtherCourseIdType

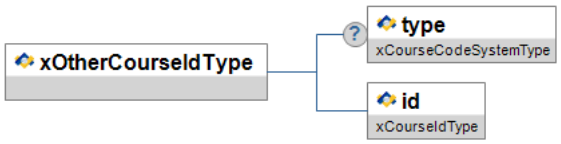

Figure A.922-1: xOtherCourseIdType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xOtherCourseIdType				
type	O	000056 https://ceds.ed.gov/element/000056	A system that is used to identify the organization of subject matter and related learning experiences provided for the instruction of students.	xCourseCodeSystemType
id	M	000055 https://ceds.ed.gov/element/000055	The actual code that identifies the organization of subject matter and related learning experiences provided for the instruction of students.	xCourseIdType

Table A.922-1: xOtherCourseIdType

A.923 xOtherOrganizationIdListType

A list of other organization Ids.

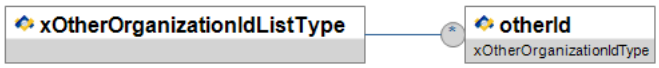

Figure A.923-1: xOtherOrganizationIdListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xOtherOrganizationIdListType			A list of other organization Ids.	
otherId	OR	000826 https://ceds.ed.gov/element/000826	A unique number or alphanumeric code assigned to an organization by a school, school system, a state, or other agency or entity.	xOtherOrganizationIdType

Table A.923-1: xOtherOrganizationIdListType

A.924 xOtherOrganizationIdType

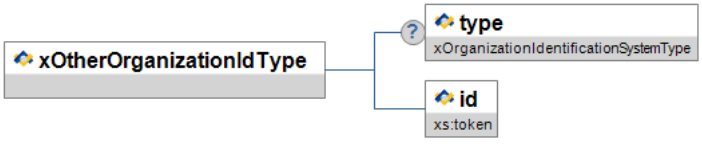

Figure A.924-1: xOtherOrganizationIdType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xOtherOrganizationIdType				
type	O	000827 https://ceds.ed.gov/element/000827	A coding scheme that is used for identification and record-keeping purposes by schools, social services, or other agencies to refer to an organization.	xOrganizationIdentificationSystemType values: School ACT LEA SEA NCES Federal DUNS OtherFederal Other SSN Vendor
id	M	000826 https://ceds.ed.gov/element/000826	A unique number or alphanumeric code assigned to an organization by a school, school system, a state, or other agency or entity.	xs:token

Table A.924-1: xOtherOrganizationIdType

A.925 xOtherPersonAddressListType

A List of other addresses for the person.

Figure A.925-1: xOtherPersonAddressListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xOtherPersonAddressListType			A List of other addresses for the person.	
name	OR	000010 https://ceds.ed.gov/element/000010	The types of previous, alternate or other address for a person. Generally another residence or mailing address.	xPersonAddressType

Table A.925-1: xOtherPersonAddressListType

A.926 xOtherPersonIdListType

A list of other Ids for the person.

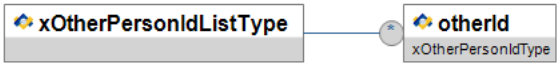

Figure A.926-1: xOtherPersonIdListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xOtherPersonIdListType			A list of other Ids for the person.	
otherId	OR		An other Id for the person.	xOtherPersonIdType

Table A.926-1: xOtherPersonIdListType

A.927 xOtherPersonIdType

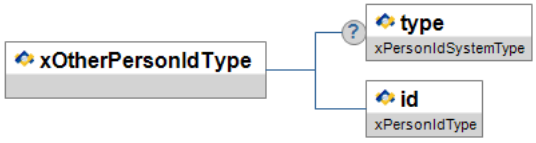

Figure A.927-1: xOtherPersonIdType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xOtherPersonIdType				
type	O	001075 https://ceds.ed.gov/element/001075	A coding scheme that is used for identification and record-keeping purposes by schools, social services, or other agencies to refer to a student.	xPersonIdSystemType
id	M	001572 https://ceds.ed.gov/element/001572	A unique number or alphanumeric code assigned to a student by a school, school system, a state, or other agency or entity.	xPersonIdType

Table A.927-1: xOtherPersonIdType

A.928 xOtherPersonNameListType

A List of other names for the person.

Figure A.928-1: xOtherPersonNameListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xOtherPersonNameListType			A List of other names for the person.	
name	OR	000634 https://ceds.ed.gov/element/000634	The types of previous, alternate or other names for a person. Generally the "LegalName" for the primary name.	xPersonNameType

Table A.928-1: xOtherPersonNameListType

A.929 xPersonAddressType

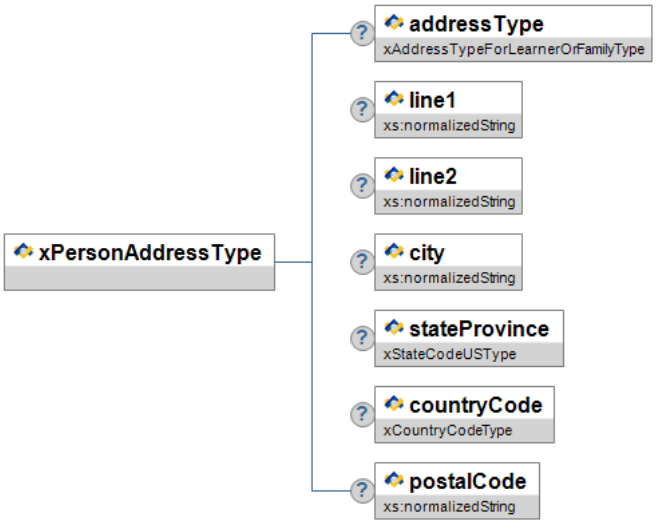

Figure A.929-1: xPersonAddressType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xPersonAddressType				
addressType	O	000010 https://ceds.ed.gov/element/000010	The type of address listed for a learner or a parent, guardian, family member or related person.	xAddressTypeForLearnerOrFamilyType
line1	O	000269 https://ceds.ed.gov/element/000269	The first line of the address.	xs:normalizedString

Element/@Attribute	Char	CEDS Id/URL	Description	Type
line2	O	000019 https://ceds.ed.gov/element/000019	The second line of the address.	xs:normalizedString
city	O	000040 https://ceds.ed.gov/element/000040	The name of the city in which an address is located.	xs:normalizedString
stateProvince	O	000267 https://ceds.ed.gov/element/000267	The abbreviation for the state, province or outlying area in which an address is located.	xStateCodeUSType
countryCode	O	000050 https://ceds.ed.gov/element/000050	The unique two character International Organization for Standardization (ISO) code for the country in which an address is located.	xCountryCodeType
postalCode	O	000214 https://ceds.ed.gov/element/000214	A number that identifies each postal delivery area in the locale used as a portion of an address.	xs:normalizedString

Table A.929-1: xPersonAddressType

A.930 xPersonIdType

A unique number or alphanumeric code assigned to a person by a school, school system, a state, or other agency or entity.

Figure A.930-1: xPersonIdType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xPersonIdType	O	001572 https://ceds.ed.gov/element/001572	A unique number or alphanumeric code assigned to a person by a school, school system, a state, or other agency or entity.	xs:token

Table A.930-1: xPersonIdType

A.931 xPersonNameType

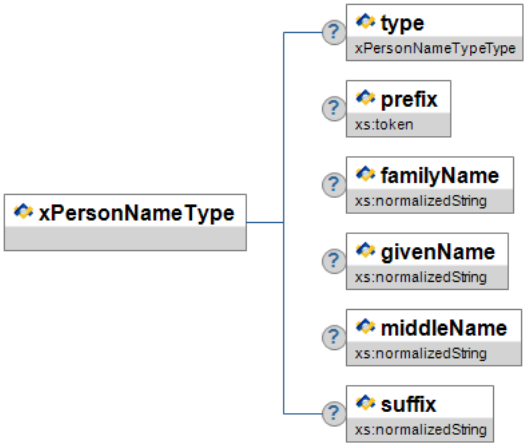

Figure A.931-1: xPersonNameType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xPersonNameType				
type	O	000634 https://ceds.ed.gov/element/000634	The types of previous, alternate or other names for a person. Generally the "LegalName" for the primary name.	xPersonNameTypeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
prefix	O	000212 https://ceds.ed.gov/element/000212	An appellation, if any, used to denote rank, placement, or status (e.g., Mr., Ms., Reverend, Sister, Dr., Colonel).	xs:token
familyName	O	000172 https://ceds.ed.gov/element/000172	The full legal last name borne in common by members of a family.	xs:normalizedString
givenName	O	000115 https://ceds.ed.gov/element/000115	The full legal first name given to a person at birth, baptism, or through legal change.	xs:normalizedString
middleName	O	000184 https://ceds.ed.gov/element/000184	A full legal middle name given to a person at birth, baptism, or through legal change.	xs:normalizedString
suffix	O	000121 https://ceds.ed.gov/element/000121	An appendage, if any, used to denote a person's generation in his family (e.g., Jr., Sr., III).	xs:normalizedString

Table A.931-1: xPersonNameType

A.932 xPersonReferenceType

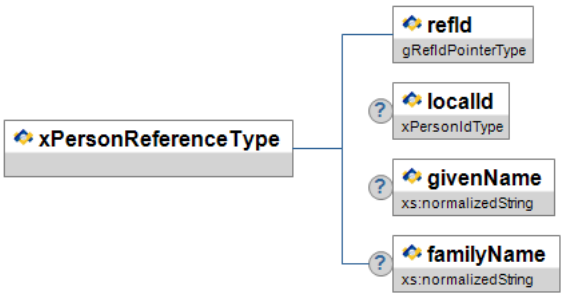

Figure A.932-1: xPersonReferenceType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xPersonReferenceType				
refId	M		A SIF RefId.	gRefIdPointerType
localId	O	001070 https://ceds.ed.gov/element/001070		xPersonIdType
givenName	O	000115 https://ceds.ed.gov/element/000115	The full legal first name given to a person at birth, baptism, or through legal change.	xs:normalizedString
familyName	O	000172 https://ceds.ed.gov/element/000172	The full legal last name borne in common by members of a family.	xs:normalizedString

Table A.932-1: xPersonReferenceType

A.933 xRaceListType

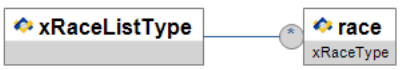

Figure A.933-1: xRaceListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xRaceListType				

Element/@Attribute	Char	CEDS Id/URL	Description	Type
race	OR		Indicates the racial origins of a person.	xRaceType

Table A.933-1: xRaceListType

A.934 xRaceType

Indicates the racial origins of a person.

Figure A.934-1: xRaceType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xRaceType			Indicates the racial origins of a person.	
race	M		Indicates the racial origins of a person. The possible values are: AmericanIndianOrAlaskaNative, Asian, BlackOrAfricanAmerican, NativeHawaiianOrOtherPacificIslander, White, DemographicRaceTwoOrMoreRaces.	xRaceTypeType

Table A.934-1: xRaceType

A.935 xSchoolYearType

The year for a reported school session.

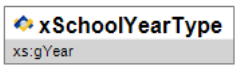

Figure A.935-1: xSchoolYearType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xSchoolYearType	O	000243 https://ceds.ed.gov/element/000243	The year for a reported school session.	xs:gYear

Table A.935-1: xSchoolYearType

A.936 xSessionListType

A list of sessions.

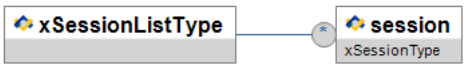

Figure A.936-1: xSessionListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xSessionListType			A list of sessions.	
session	OR			xSessionType

Table A.936-1: xSessionListType

A.937 xSessionType

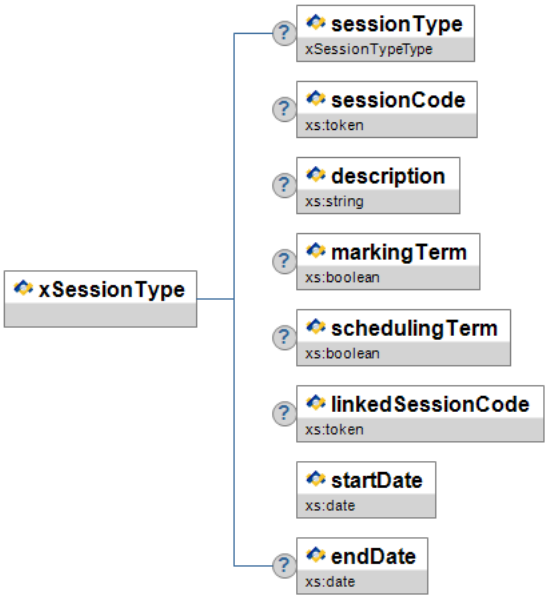

Figure A.937-1: xSessionType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xSessionType				
sessionType	O	000254 https://ceds.ed.gov/element/000254	A prescribed span of time when an education institution is open, instruction is provided, and students are under the direction and guidance of teachers and/or education institution administration. A session may be interrupted by one or more vacations.	xSessionTypeType
sessionCode	O	001270 https://ceds.ed.gov/element/001270	A local code given to the session, usually for a session that represents a term within the school year such as a marking term.	xs:token
description	O	001271 https://ceds.ed.gov/element/001271	A short description of the Session.	xs:string
markingTerm	O	001272 https://ceds.ed.gov/element/001272	Indicates that the session is a marking term.	xs:boolean
schedulingTerm	O	001273 https://ceds.ed.gov/element/001273	Indicates that the session is a scheduling term.	xs:boolean
linkedSessionCode	O		Enables sessions to be linked (e.g. link a marking term to a scheduling term)	xs:token
startDate	M	000251 https://ceds.ed.gov/element/000251	The year, month and day on which a session begins.	xs:date
endDate	O	000253 https://ceds.ed.gov/element/000253	The year, month and day on which a session ends.	xs:date

Table A.937-1: xSessionType

A.938 xStaffPersonAssignmentListType

A list of staff person assignments.

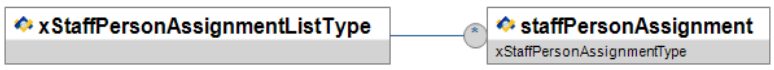

Figure A.938-1: xStaffPersonAssignmentListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xStaffPersonAssignmentListType			A list of staff person assignments.	
staffPersonAssignment	OR		The location and function to which a staff person is assigned.	xStaffPersonAssignmentType

Table A.938-1: xStaffPersonAssignmentListType

A.939 xStaffPersonAssignmentType

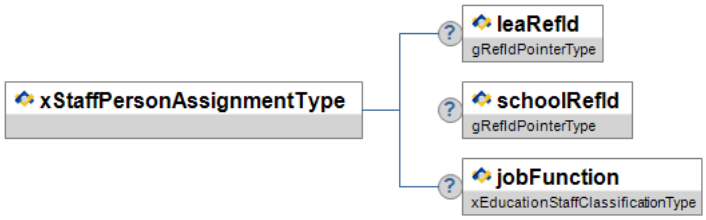

Figure A.939-1: xStaffPersonAssignmentType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xStaffPersonAssignmentType				
leaRefId	O		The RefId for the LEA Object.	gRefIdPointerType
schoolRefId	O		The RefId of the school object.	gRefIdPointerType
jobFunction	O	000087 https://ceds.ed.gov/element/000087	The titles of employment, official status, or rank of education staff.	xEducationStaffClassificationType

Table A.939-1: xStaffPersonAssignmentType

A.940 xStaffReferenceListType

A list of staff references.

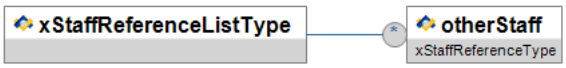

Figure A.940-1: xStaffReferenceListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xStaffReferenceListType			A list of staff references.	List
otherStaff	OR		A staff reference entry.	xStaffReferenceType

Table A.940-1: xStaffReferenceListType

A.941 xStaffReferenceType

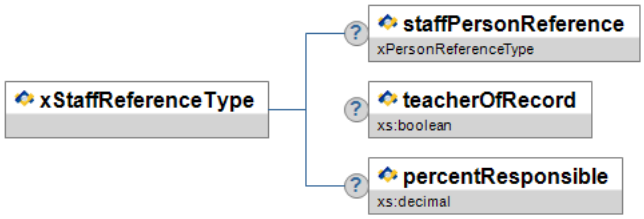

Figure A.941-1: xStaffReferenceType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xStaffReferenceType				
staffPersonReference	O		A collection of information about a staff person.	xPersonReferenceType
teacherOfRecord	O	000647 https://ceds.ed.gov/element/000647	Staff member who has a Teacher of Record responsibility for a Class Section based upon the state's definition of Teacher of Record.	xs:boolean
percentResponsible	O	000649 https://ceds.ed.gov/element/000649	A percentage used to weight the educator's assigned responsibility for student learning in a Class Section, particularly when more than one educator is assigned to the class section.	xs:decimal

Table A.941-1: xStaffReferenceType

A.942 xStudentContactListType

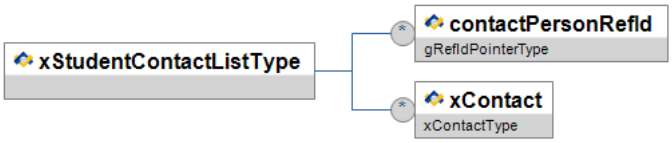

Figure A.942-1: xStudentContactListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xStudentContactListType				
contactPersonRefId	OR		The RefId of the contact object.	gRefIdPointerType
xContact	OR		A person associated with a student.	xContactType

Table A.942-1: xStudentContactListType

A.943 xStudentReferenceListType

A list of student references.

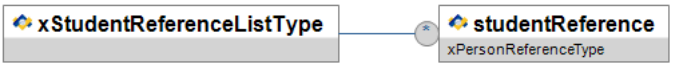

Figure A.943-1: xStudentReferenceListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xStudentReferenceListType			A list of student references.	
studentReference	OR		A collection of person information that identifies an unique student.	xPersonReferenceType

Table A.943-1: xStudentReferenceListType

A.944 xSubjectType

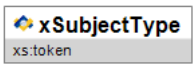

Figure A.944-1: xSubjectType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xSubjectType	O			xs:token

Table A.944-1: xSubjectType

A.945 xTelephoneListType

Figure A.945-1: xTelephoneListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xTelephoneListType				
phoneNumber	OR	000279 https://ceds.ed.gov/element/000279	The telephone number including the area code, and extension, if applicable.	xTelephoneType

Table A.945-1: xTelephoneListType

A.946 xTelephoneType

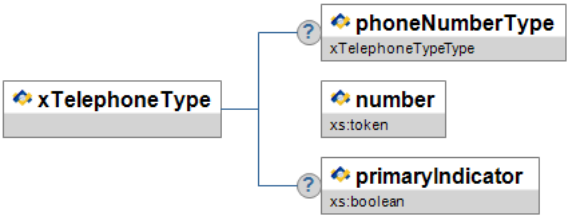

Figure A.946-1: xTelephoneType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xTelephoneType				
phoneNumberType	O	000280 https://ceds.ed.gov/element/000280	The type of communication number listed for a person.	xTelephoneTypeType values: Home Work Mobile Fax Other Text
number	M	000279 https://ceds.ed.gov/element/000279	The telephone number including the area code, and extension, if applicable.	xs:token
primaryIndicator	O	000219 https://ceds.ed.gov/element/000219	An indication that the telephone number should be used as the principal number for a person or organization.	xs:boolean

Table A.946-1: xTelephoneType

A.947 xTelephoneTypeType

The telephone number including the area code, and extension, if applicable.

Figure A.947-1: xTelephoneTypeType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xTelephoneTypeType	O	000279 https://ceds.ed.gov/element/000279	The telephone number including the area code, and extension, if applicable.	xs:token

Table A.947-1: xTelephoneTypeType

A.948 xYearGroupListType

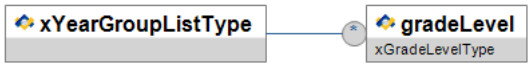

Figure A.948-1: xYearGroupListType

Element/@Attribute	Char	CEDS Id/URL	Description	Type
xYearGroupListType				
gradeLevel	OR			xGradeLevelType

Table A.948-1: xYearGroupListType

Appendix B: Code Sets

Select shared and named code sets defined in SIF are included here for reference.

LearningStandardItem

Course Code System

Intermediate	The related Course Code is based on the intermediate agency defined course code system.
LEA	The related Course Code is based on the LEA defined course code system.
NCES	The related Course Code is based on the NCES Pilot Standard National Course Classification System for Secondary Education Codes.
Other	The related Course Code is based on a course code system not yet categorized within CEDS.
SCED	The related Course Code is based on the School Codes for the Exchange of Data (SCED) course code system.
School	The related Course Code is based on the school's course code system.
State	The related Course Code is based on the State course code system.
University	The related Course Code is based on the University course code system.

Organization Identification System

ACT	The Organization Identifier is from the College Board/ACT program code set of PK-grade 12 institutions.
DUNS	The Organization Identifier is the organization's Dun and Bradstreet number.
FEIN	The Organization Identifier is the organization's Federal identification number.
LEA	The Organization Identifier is a Local Education Agency assigned number.
NCES	The Organization Identifier is a National Center for Education Statistics assigned number.
Other	The Organization Identifier is from an identification system not yet defined in CEDS.
OtherFederal	The Organization Identifier is an other federally assigned number.
School	The Organization Identifier is a School-assigned number.
SEA	The Organization Identifier is a State Education Agency assigned number.

StudentPlacement

Other Services

S200	Specialized instruction

Other Types Of Transportation

S101	Homeless transportation
S102	Choice transportation

Title I Services

S001	Reading / language program
S002	Mathematics program
S003	Science program
S004	Social studies program
S005	Economics program
S006	Computers program
S007	Vocational / career program
S008	Support guidance / advocacy program
S009	Study skills program
S010	After-school tutoring program
S011	Summer school program
S012	4-year-old program
S013	3-year-old program
S014	Extended kindergarten program (beyond half day)
S015	Health / dental / eye care service
S016	Extended instruction time program
S017	Supplemental outside provider instructional services

TestAccommodation

Scheduling

S182	Additional supervised test breaks for English Learners within testing day or following each section provided that test section is completed within a testing day
S183	Frequent breaks
S184	Multi-day administration
S185	Multiple test sessions
S186	Scheduled extended time
S187	Student-requested extended time
S188	Supervised test breaks
S189	Terminate session when student indicates they have completed all items they can
S190	Test administered at best time of day for student
S191	Untimed

Setting

S192	Carrel
S193	Facing examiner / proctor
S194	Front of room near examiner / proctor
S195	Hospital / home testing
S196	Individual
S197	Resource room
S198	Separate room
S199	Separate room with other English Learners under supervision of district employee
S200	Small group
S201	Small group in separate room
S202	Special ed classroom
S203	Special furniture
S204	Special lighting
S205	Specialized setting

Student Equipment And Technology

S135	Adjustable swivel arm
S136	Adjustable table height
S137	Audio cassette player / tape recorder
S138	Colored lenses
S139	Enlarged keyboard
S140	Enlarged monitor view / screen display
S141	Laptop / computer
S142	Magnification device
S143	Physical supports
S144	Technological aid
S145	Track ball
S146	Video cassette player

Test Administration

S105	Amplification equipment
S106	Audiotape or CD
S107	Braille Reader
S108	Clarify directions
S109	Computer administration
S110	Cueing
S111	Examiner familiar with / to student
S112	Examiner fluent in sign language
S113	Font enlarged beyond large print version requirements
S114	Foreign language interpreter
S115	Foreign language interpreter for instructions, ask questions

S116	Format
S117	Graph paper
S118	Manipulatives for math items
S119	Mask portion of answer booklet
S120	Mask portion of test booklet
S121	Paraphrasing
S122	Provide reading windows
S123	Provide written directions on separate sheet / transparency
S124	Repeat / reword / clarify directions
S125	Sign language / cued speech interpreter
S126	Simplified language
S127	Student reads aloud
S128	Tactile cues
S129	Test administrator reads test directions aloud
S130	Test administrator reads test questions aloud
S131	Unlisted accommodation or modification
S132	Video cassette
S133	Visual cues
S134	Word processor

Test Material

S101	Braille
S102	Foreign Language
S103	Large print booklet
S104	Manually coded English or American sign Language to present test questions

Test Response

S147	Access to translation glossaries / word lists (english-to-primary language). Shall not include definitions of formulas
S148	Arithmetic table (math or science)
S149	Assistive device that does interfere with independent work of the student
S150	Assistive device that does not interfere with independent work of the student
S151	Augmentative communication device
S152	Braille writer
S153	Braille writer, no thesaurus, spell-or grammar-checker
S154	Brailler ruler
S155	Calculator (math or science)
S156	Cassette player / tape recorder
S157	Computer administration
S158	Cranmer abacus
S159	Dictated oral response to proctor / transcriber
S160	Dictionary
S161	Essay responses dictated to a scribe orally, in manually coded English or in American Sign Language; and scribe provides spelling, grammar and language conventions
S162	Grammar checker
S163	Large face calculator
S164	Larger diameter pencil
S165	Mask portion of answer folder
S166	Math manipulatives (math or science)
S167	Modified specil grip pencil
S168	Qualified foreign language interpreter for LEP student
S169	Response dictated in American Sign Language / Manually coded English
S170	Separate additional continuation pages for writing tasks
S171	Sign responses to sign language interpreter
S172	Speech recognition system
S173	Spell-checker
S174	Student marked in test booklet
S175	Talking calculator
S176	Test administrator marked / wrote test at student's direction due to student handwriting issues

S177	Thesaurus
S178	Translation dictionary for LEP student
S179	Verbalized problem-solving
S180	Word processor / typewriter / computer with thesaurus / spell-checker / grammar-checker enabled on essay responses writing portion of test
S181	Word processor / typewriter / computer with thesaurus / spell-checker / grammar-checker turned off

X

Address Type For Learner Or Family

Billing	Billing address is specified as the type of address listed for a learner or a parent, guardian, family member or related person.
FatherAddress	Father's address is specified as the type of address listed for a learner or a parent, guardian, family member or related person.
GuardianAddress	Guardian's address is specified as the type of address listed for a learner or a parent, guardian, family member or related person.
Mailing	Mailing is specified as the type of address listed for a learner or a parent, guardian, family member or related person.
MotherAddress	Mother's address is specified as the type of address listed for a learner or a parent, guardian, family member or related person.
OffCampus	Off-campus, temporary is specified as the type of address listed for a learner or a parent, guardian, family member or related person.
OnCampus	On campus is specified as the type of address listed for a learner or a parent, guardian, family member or related person.
PermanentAdmission	Permanent, at time of admission is specified as the type of address listed for a learner or a parent, guardian, family member or related person.
PermanentStudent	Permanent, student is specified as the type of address listed for a learner or a parent, guardian, family member or related person.
Physical	Physical is specified as the type of address listed for a learner or a parent, guardian, family member or related person.
Shipping	Shipping is specified as the type of address listed for a learner or a parent, guardian, family member or related person.

Address Type For Organization

Mailing	Mailing is specified as the type of address listed for an organization.
Physical	Physical is specified as the type of address listed for an organization.
Shipping	Shipping is specified as the type of address listed for an organization.

Country Code

AD	Andorra
AE	United Arab Emirates
AF	Afghanistan
AG	Antigua and Barbuda
AI	Anguilla
AL	Albania
AM	Armenia
AO	Angola
AQ	Antarctica
AR	Argentina
AS	American Samoa
AT	Austria
AU	Australia
AW	Aruba
AX	Aland Islands
AZ	Azerbaijan
BA	Bosnia and Herzegovina
BB	Barbados
BD	Bangladesh
BE	Belgium
BF	Burkina Faso
BG	Bulgaria
BH	Bahrain
BI	Burundi
BJ	Benin
BL	Saint Barthélemy
BM	Bermuda
BN	Brunei Darussalam
BO	Bolivia (Plurinational State of)
BQ	Bonaire, Sint Eustatius and Saba

BR	Brazil
BS	Bahamas
BT	Bhutan
BV	Bouvet Island
BW	Botswana
BY	Belarus
BZ	Belize
CA	Canada
CC	Cocos (Keeling) Island
CD	Congo, Democratic Republic of the
CF	Central African Republic
CG	Congo
CH	Switzerland
CI	Côte D'Ivoire
CK	Cook Islands
CL	Chile
CM	Cameroon
CN	China
CO	Colombia
CR	Costa Rica
CU	Cuba
CV	Cabo Verde
CW	Curaçao
CX	Christmas Island
CY	Cyprus
CZ	Czechia
DE	Germany
DJ	Djibouti
DK	Denmark
DM	Dominica
DO	Dominican Republic
DZ	Algeria
EC	Ecuador
EE	Estonia
EG	Egypt
EH	Western Sahara
ER	Eritrea
ES	Spain
ET	Ethiopia
FI	Finland
FJ	Fiji
FK	Falkland Islands (Malvinas)
FM	Micronesia (Federated States of)
FO	Faroe Islands
FR	France
GA	Gabon
GB	United Kingdom of Great Britain and Northern Ireland
GD	Grenada
GE	Georgia
GF	French Guiana
GG	Guernsey
GH	Ghana
GI	Gibraltar
GL	Greenland
GM	Gambia
GN	Guinea
GP	Guadeloupe
GQ	Equatorial Guinea

GR	Greece
GS	South Georgia and the South Sandwich Islands
GT	Guatemala
GU	Guam
GW	Guinea-Bissau
GY	Guyana
HK	Hong Kong
HM	Heard Island and McDonald Islands
HN	Honduras
HR	Croatia
HT	Haiti
HU	Hungary
ID	Indonesia
IE	Ireland
IL	Israel
IM	Isle of Man
IN	India
IO	British Indian Ocean Territory
IQ	Iraq
IR	Iran (Islamic Republic of)
IS	Iceland
IT	Italy
JE	Jersey
JM	Jamaica
JO	Jordan
JP	Japan
KE	Kenya
KG	Kyrgyzstan
KH	Cambodia
KI	Kiribati
KM	Comoros
KN	Saint Kitts and Nevis
KP	Korea (Democratic People's Republic of)
KR	Korea, Republic of
KW	Kuwait
KY	Cayman Islands
KZ	Kazakhstan
LA	Lao People's Democratic Republic
LB	Lebanon
LC	Saint Lucia
LI	Liechtenstein
LK	Sri Lanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
LY	Libya
MA	Morocco
MC	Monaco
MD	Moldova, Republic of
ME	Montenegro
MF	Saint Martin (French Part)
MG	Madagascar
MH	Marshall Islands
MK	Macedonia, The Former Yugoslav Republic of
ML	Mali
MM	Myanmar

MN	Mongolia
MO	Macao
MP	Northern Mariana Islands
MQ	Martinique
MR	Mauritania
MS	Montserrat
MT	Malta
MU	Mauritius
MV	Maldives
MW	Malawi
MX	Mexico
MY	Malaysia
MZ	Mozambique
NA	Namibia
NC	New Caledonia
NE	Niger
NF	Norfolk Island
NG	Nigeria
NI	Nicaragua
NL	Netherlands
NO	Norway
NP	Nepal
NR	Nauru
NU	Niue
NZ	New Zealand
OM	Oman
PA	Panama
PE	Peru
PF	French Polynesia
PG	Papua New Guinea
PH	Philippines
PK	Pakistan
PL	Poland
PM	Saint Pierre and Miquelon
PN	Pitcairn
PR	Puerto Rico
PS	Palestine, State of
PT	Portugal
PW	Palau
PY	Paraguay
QA	Qatar
RE	Réunion
RO	Romania
RS	Serbia
RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia
SB	Solomon Islands
SC	Seychelles
SD	Sudan
SE	Sweden
SG	Singapore
SH	Saint Helena, Ascension and Tristan Da Cunha
SI	Slovenia
SJ	Svalbard and Jan Mayen
SK	Slovakia
SL	Sierra Leone
SM	San Marino

SN	Senegal
SO	Somalia
SR	Suriname
SS	South Sudan
ST	Sao Tome and Principe
SV	El Salvador
SX	Sint Maarten (Dutch Part)
SY	Syrian Arab Republic
SZ	Swaziland
TC	Turks and Caicos Islands
TD	Chad
TF	French Southern Territories
TG	Togo
TH	Thailand
TJ	Tajikistan
TK	Tokelau
TL	Timor-Leste
TM	Turkmenistan
TN	Tunisia
TO	Tonga
TR	Turkey
TT	Trinidad and Tobago
TV	Tuvalu
TW	Taiwan
TZ	Tanzania, United Republic of
UA	Ukraine
UG	Uganda
UM	United States Minor Outlying Islands
US	United States of America
UY	Uruguay
UZ	Uzbekistan
VA	Holy See
VC	Saint Vincent and the Grenadines
VE	Venezuela
VG	Virgin Islands (British)
VI	Virgin Islands (U.S.)
VN	Vietnam
VU	Vanuatu
WF	Wallis and Futuna
WS	Samoa
YE	Yemen
YT	Mayotte
ZA	South Africa
ZM	Zambia
ZW	Zimbabwe

Course Code System

Intermediate	The related Course Code is based on the intermediate agency defined course code system.
LEA	The related Course Code is based on the LEA defined course code system.
NCES	The related Course Code is based on the NCES Pilot Standard National Course Classification System for Secondary Education Codes.
Other	The related Course Code is based on a course code system not yet categorized within CEDS.
SCED	The related Course Code is based on the School Codes for the Exchange of Data (SCED) course code system.
School	The related Course Code is based on the school's course code system.
State	The related Course Code is based on the State course code system.
University	The related Course Code is based on the University course code system.

Day Of Week

Friday	Friday
Monday	Monday
Saturday	Saturday
Sunday	Sunday
Thursday	Thursday
Tuesday	Tuesday
Wednesday	Wednesday

Disability

AUT	Autism
DB	Deaf-blindness
DD	Developmental delay
EMN	Emotional disturbance
HI	Hearing impairment
ID	Intellectual Disability
MD	Multiple disabilities
OHI	Other health impairment
OI	Orthopedic impairment
SLD	Specific learning disability
SLI	Speech or language impairment
TBI	Traumatic brain injury
VI	Visual impairment

Education Staff Classification

Administrative Support Staff	Staff members who provide direct support to administrators, business office support, data processing, or support of the teaching and administrative duties of the office of the principal or department chairpersons, including clerical staff and secretaries.
Administrators	Executive officers or managers of education agencies or institutions, including superintendents, deputies, and assistant superintendents; other persons with district-wide responsibilities: e.g., business managers, administrative assistants, and professional instructional support staff. In addition, staff members whose activities are concerned with directing and managing the operation of a particular school including principals, assistant principals, and other assistants; persons who supervise school operations, assign duties to staff members, supervise and maintain the records of the school, and coordinate school instructional activities with those of the education agency, including department chairpersons.
All Other Support Staff	Support staff not reported in instructional or student support. Other support staff includes employees such as data processing, health, plant and equipment maintenance, bus drivers, security, and food service workers.
Behavioral Specialists	Behavioral Specialists
Early Learning Assistant Teachers	Assistant Teachers of general level instruction and/or services delivery classified by state and local practice from birth to Kindergarten.
Early Learning Teachers	Teachers of general level instruction and/or service delivery classified by state and local practice from birth to Kindergarten.
Elementary Teachers	Teachers of general level instruction classified by state and local practice as elementary and composed of any span of grades not above grade 8.
Family Service Workers	Professional staff members assigned specific duties related to staff providing in-home and other services (including needs assessment, development of service plans, family advocacy, and coordination of service delivery) to families of children participating in early care and education programs.
Health Specialists	Professional staff members or supervisors assigned specific duties related to providing any Health services that are not specific to mental health.
Home Visitors	Professional staff members assigned specific duties related to visiting a child or pregnant woman's home for the purpose of assisting parents in fostering the growth and development of their child.
Instructional Coordinators	Staff supervising instructional programs including professional staff members or supervisors in an early learning program assigned specific duties related to instruction , or supervisors at a school district or sub-district level including curriculum coordinators or supervisors; in-service training staff; Title I supervisors; home economics supervisors; educational television staff; coordinators and supervisors of audiovisual services; and staff engaged in development of computer-assisted instruction.
Kindergarten Teachers	Teachers of a group or class that is part of a public school program and is taught during the year preceding the first grade.
Librarians/Media Specialists	A professional staff member or supervisor assigned specific duties and school time for professional library and media service activities. Activities include: selecting, acquiring, preparing, cataloging, and circulating books and other printed materials; planning the use of library and media services by students, teachers and other members of the instructional staff; and guiding individuals in their use of media services and library materials, (whether maintained separately or as part of an instructional materials center).
Library/Media Support Staff	Staff members who render other library or media services, such as preparing, caring for, and making available to members of the instructional staff the equipment, films, filmstrips, transparencies, tapes, TV programs, and similar materials (whether maintained separately as part of an instructional materials center).
Mental Health Specialists	Professional staff members or supervisors assigned specific duties related to Mental Health.
Nutrition Specialists	Professional staff members or supervisors assigned specific duties related to Nutrition.

Paraprofessionals	Paraprofessionals are employees who provide instructional support, including those who: (1) provide one-on-one tutoring if such tutoring is scheduled at a time when a student would not otherwise receive instruction from a teacher, (2) assist with classroom management, such as organizing instructional and other materials, (3) provide instructional assistance in a computer laboratory, (4) conduct parental involvement activities, (5) provide support in a library or media center, (6) act as a translator, or (7) provide instructional support services under the direct supervision of a teacher.
Part C Early Interventionists	Professional staff members employed to provide early intervention services to infants and toddlers with disabilities or at-risk of experiencing a substantial developmental delay as defined by Part C of the Individuals with Disabilities Education Act (IDEA): The Early Intervention Program for Infants and Toddlers with Disabilities.
Part C Service Coordinators	Professional staff members employed to coordinate early intervention services to infants and toddlers with disabilities or at-risk of experiencing a substantial developmental delay as defined by Part C of the Individuals with Disabilities Education Act (IDEA): The Early Intervention Program for Infants and Toddlers with Disabilities.
School Counselors	Professional staff members assigned specific duties and school time for any of the following activities: counseling with students and parents, consulting with other staff members on learning problems, evaluating student abilities, assisting students in making education and career choices, assisting students in personal and social development, providing referral assistance, and/or working with other staff members in planning and conducting guidance programs for students. School counselors may be reported by elementary and secondary level when that information is available.
Secondary Teachers	Teachers of a general level of instruction classified by state and local practice as secondary and composed of any span of grades beginning with the next grade following the elementary grades and ending with or below grade 12.
Social Workers	Social workers assist people by helping them cope with and solve issues in their everyday lives, such as family and personal problems and dealing with relationships.
Special Education Teachers	Special Education teachers include teachers employed to provide special education services to children with disabilities, including preschool teachers, itinerant/consulting teachers, and home/hospital teachers. This should include teachers of children with disabilities in separate schools and facilities.
Special Needs Specialists	Professional staff members or supervisors assigned specific duties related to special needs learners.
Student Support Services Staff	Professional and supervisory staff providing non-instructional services to students including attendance officers; staff providing health, psychology, speech pathology, audiology, or social services; and supervisors of the preceding staff and of health, transportation, and food service workers.
Ungraded Teachers	Teachers of classes or programs to which students are assigned without standard grade designation.

Email Type

Home	Home/personal is the type of electronic mail (e-mail) address listed for a person or organization.
Organizational	Organizational (school) address is the type of electronic mail (e-mail) address listed for a person or organization.
Other	Other is the type of electronic mail (e-mail) address listed for a person or organization.
Work	Work is the type of electronic mail (e-mail) address listed for a person or organization.

Employer

AgriculturalFisherySeasonal_1808	Agricultural Fishery Seasonal
Government_1803	Government
Military_1804	Military
MilitaryDepartmentOfDefense_1807	Military Department of Defense
Other_9999	Other
PrivateOrganization_1805	Private Organization
Self-employed_1806	Self-employed

Exit Or Withdrawal

1907	Student is in a different public school in the same local education agency
1908	Transferred to a public school in a different local education agency in the same state
1909	Transferred to a public school in a different state
1910	Transferred to a private, non-religiously-affiliated school in the same local education agency
1911	Transferred to a private, non-religiously-affiliated school in a different LEA in the same state
1912	Transferred to a private, non-religiously-affiliated school in a different state
1913	Transferred to a private, religiously-affiliated school in the same local education agency
1914	Transferred to a private, religiously-affiliated school in a different LEA in the same state
1915	Transferred to a private, religiously-affiliated school in a different state
1916	Transferred to a school outside of the country
1917	Transferred to an institution
1918	Transferred to home schooling
1919	Transferred to a charter school
1921	Graduated with regular, advanced, International Baccalaureate, or other type of diploma
1922	Completed school with other credentials
1923	Died or is permanently incapacitated
1924	Withdrawn due to illness

1925	Expelled or involuntarily withdrawn
1926	Reached maximum age for services
1927	Discontinued schooling
1928	Completed grade 12, but did not meet all graduation requirements
1930	Enrolled in a postsecondary early admission program, eligible to return
1931	Not enrolled, unknown status
3499	Student is in the same LEA, receiving education services, but is not assigned to a particular school
3502	Not enrolled, eligible to return
3503	Enrolled in a foreign exchange program, eligible to return
3504	Withdrawn from school, under the age for compulsory attendance; eligible to return
3505	Exited
3508	Student is in a charter school managed by the same local education agency
3509	Completed with a state-recognized equivalency certificate
9999	Other
73060	Officially withdrew and enrolled in ABE, adult secondary education, or adult ESL program
73061	Officially withdrew and enrolled in a workforce training program

Grade Level

01	First grade
02	Second grade
03	Third grade
04	Fourth grade
05	Fifth grade
06	Sixth grade
07	Seventh grade
08	Eighth grade
09	Ninth grade
10	Tenth grade
11	Eleventh grade
12	Twelfth grade
13	Grade 13
IT	Infant/toddler
KG	Kindergarten
Other	Other
PK	Prekindergarten
PR	Preschool
PS	
TK	Transitional Kindergarten
UG	

Language Type

Correspondence	The language specified by the related Language Code is the language the person uses for correspondence.
Dominant	The language specified by the related Language Code is the person's dominant language.
Home	The language specified by the related Language Code is the language the person uses at home.
Native	The language specified by the related Language Code is the person's native language.
Other	The function and context in which a person uses the language specified by the related Language Code is in a category not yet defined in CEDS.
OtherLanguageProficiency	The language specified by the related Language Code is the language the person's other language proficiency.

Membership Type

Concurrent	Concurrent
Home	Home
Summer	Summer

Person Id System

Alias	
CanadianSIN	The related Student Identifier uses the student's Canadian Social Insurance Number.

District	The related Student Identifier uses the student's district-assigned number.
DriversLicense	
Family	The related Student Identifier uses the student's family unit number.
Federal	The related Student Identifier uses the student's federal identification number.
Healthcare	
Institution	
Medicaid	
NationalMigrant	The related Student Identifier uses the student's national migrant number.
Other	
OtherFederal	
PIN	
ProfessionalCertificate	
School	The related Student Identifier uses the student's school-assigned number.
SelectiveService	
SSN	The related Student Identifier uses the student's Social Security Administration number.
State	The related Student Identifier uses the student's state-assigned number.
StateMigrant	The related Student Identifier uses the student's State migrant number.
USVisa	

Person Name Type

Alias	The value specified for Other Name is the person's Alias.
FullName	The value specified for Other Name is the person's Full Name.
LegalName	The value specified for Other Name is the person's Legal Name.
Nickname	The value specified for Other Name is the person's Nickname.
OtherName	The value specified for Other Name is the person's Other name.
PreferredFamilyName	The value specified for Other Name is the person's Preferred Family Name.
PreferredGivenName	The value specified for Other Name is the person's Preferred Given Name.
PreviousLegalName	The value specified for Other Name is the person's Previous legal name.

Person Relationship To Learner

Aunt	The person is the learner's Aunt.
Brother	The person is the learner's Brother.
BrotherInlaw	The person is the learner's Brother-in-law.
CourtAppointedGuardian	The person is the learner's Court Appointed Guardian.
Daughter	The person is the learner's Daughter.
DaughterInLaw	The person is the learner's Daughter-in-law.
Employer	The person is the learner's Employer.
Father	The person is the learner's Father.
FatherInLaw	The person is the father of the learner's spouse.
FathersCivilPartner	The person is a legal partner of the learner's father, established by a civil union other than marriage.
FathersSignificantOther	The person is the Significant Other of the learner's Father.
Fiance	The person is a man who is engaged to be married to the learner.
Fiancee	The person is a woman who is engaged to be married to the learner.
Friend	The person is the learner's Friend.
Grandfather	The person is the learner's Grandfather.
Grandmother	The person is the learner's Grandmother.
Husband	The person is the learner's Husband.
Mother	The person is the learner's Mother.
MothersCivilPartner	The person is a legal partner of the learner's mother, established by a civil union other than marriage.
MothersSignificantOther	The person is the Significant Other of the learner's Mother.
Nephew	The person is the learner's Nephew.
Niece	The person is the learner's Niece.
Other	The person is related to the learner in a way not represented by other standard options.
SignificantOther	The person is the Significant Other of the learner.
Sister	The person is the learner's Sister.
Son	The person is the learner's Son.
Uncle	The person is the learner's Uncle.
Unknown	The person's relationship to the learner is Unknown.
Ward	The person is the learner's Ward.
Wife	The person is the learner's Wife.

Race Type

AmericanIndianOrAlaskaNative	
Asian	
BlackOrAfricanAmerican	
DemographicRaceTwoOrMoreRaces	
NativeHawaiianOrOtherPacificIslander	
White	

Responsible School Type

Accountability	The role/relationship type assigned to an organization, institution, or agency responsible for student learning under Federal ESEA and State accountability plans. (e.g. for AYP reporting)
Attendance	The role/relationship assigned to an organization, institution, or agency operating the physical or virtual site in which delivery of educational services take place.
Funding	The role/relationship assigned to an organization, institution, or agency responsible for funding related to a student enrollment.
Graduation	The role/relationship assigned to an organization, institution, or agency responsible for issuing/awarding diplomas. (e.g. for graduation-rate reporting)
IEP	The role/relationship type assigned to an organization, institution, or agency responsible for the enrolled student's IEP, a written instructional plan for students with disabilities designated as special education students under the Individuals with Disabilities Education Act (IDEA-Part B) which includes: 1) a statement of present levels of educational performance of a child; 2) a statement of annual goals including short-term instructional objectives; 3) a statement of specific education and related services to be provided and the extent to which the child will be able to participate in regular educational programs; 4) a projected date for initiation and anticipated duration of services; and 5) appropriate objectives, criteria and evaluation procedures and schedules for determining, on at least an annual basis, whether instructional objectives are being achieved.
Transportation	The role/relationship type assigned to an organization, institution, or agency responsible for transporting the student to the physical location of the school or facility in which educational services are delivered.

Session Type

FullSchoolYear	A regular school term consisting of no major subdivision of time segments. It usually begins in the late summer or early fall and ends in late spring or early summer (e.g., elementary school).
Intersession	A short session which occurs between longer sessions.
LongSession	A session that is longer than a semester but shorter than a full year.
MiniTerm	A school term which is shorter than a regular session..
Other	The session type is in a category not yet defined in CEDS.
Quarter	One of four equal segments into which a school year is divided.
Quinmester	One of five equal segments into which a school year is divided.
Semester	One of two equal segments into which a school year is divided.
SummerTerm	A school term which takes place in the summer between two regular school terms.
Trimester	One of three equal segments into which a school year is divided.
TwelveMonth	An educational program that operates on a full twelve month cycle.

Sex

Female	Female
Male	Male

State Code US

AA	Armed Forces America
AE	Armed Forces Africa, Canada, Europe, and Mideast
AK	Alaska
AL	Alabama
AP	Armed Forces Pacific
AR	Arkansas
AS	American Samoa
AZ	Arizona
CA	California
CO	Colorado
CT	Connecticut
DC	District of Columbia
DE	Delaware
FL	Florida
FM	Federated States of Micronesia
GA	Georgia
GU	Guam

HI	Hawaii
IA	Iowa
ID	Idaho
IL	Illinois
IN	Indiana
KS	Kansas
KY	Kentucky
LA	Louisiana
MA	Massachusetts
MD	Maryland
ME	Maine
MH	Marshall Islands
MI	Michigan
MN	Minnesota
MO	Missouri
MP	Northern Marianas
MS	Mississippi
MT	Montana
NC	North Carolina
ND	North Dakota
NE	Nebraska
NH	New Hampshire
NJ	New Jersey
NM	New Mexico
NV	Nevada
NY	New York
OH	Ohio
OK	Oklahoma
OR	Oregon
PA	Pennsylvania
PR	Puerto Rico
PW	Palau
RI	Rhode Island
SC	South Carolina
SD	South Dakota
TN	Tennessee
TX	Texas
UT	Utah
VA	Virginia
VI	Virgin Islands
VT	Vermont
WA	Washington
WI	Wisconsin
WV	West Virginia
WY	Wyoming

Telephone Number Type

Fax	Fax number is the type of communication number listed for a person.
Home	Home phone number is the type of communication number listed for a person.
Mobile	Mobile phone number is the type of communication number listed for a person.
Other	The type of communication number listed for a person is in a category not yet defined in CEDS.
Text	Text number is the type of communication number listed for a person.
Work	Work phone number is the type of communication number listed for a person.

Appendix C: Background/Supplementary Documentation (non-normative)

This appendix supplies background/supplementary documentation from working groups and task forces for interested readers, including but not limited to object plans, business/use cases, test plans, test results, background and best practice documentation. Last modified dates are included in parentheses.

- OpenAPI.zip (8/10/2022)
- PESCJSON.pdf (3/8/2021)
- scripts.zip (8/10/2022)
- Unity-EDFacts-Alignment-CEDS10.xlsx (10/4/2022)
- Unity_DataModel_Delta_4-3.pdf (9/2/2022)

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UnitsCodeset	A.170-1.3
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