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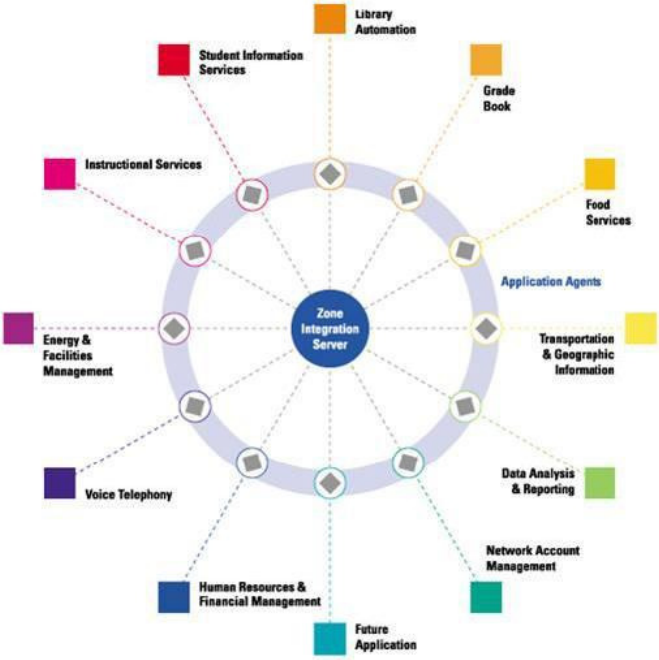
Systems Interoperability Framework™
SIF Implementation Specification (Australia) 1.2

October 28, 2011



This version:
http://specification.sifassociation.org/Implementation/AU/1.2/
Previous version:
http://specification.sifassociation.org/Implementation/AU/1.1/
Latest version:
http://specification.sifassociation.org/Implementation/AU/
Schemas
SIF_Message (single file, non-annotated) (ZIP archive)
SIF_Message (single file, annotated) (ZIP archive)
SIF_Message (includes, non-annotated) (ZIP archive)
SIF_Message (includes, annotated) (ZIP archive)
DataModel (single file, non-annotated) (ZIP archive)
DataModel (single file, annotated) (ZIP archive)
DataModel (includes, non-annotated) (ZIP archive)
DataModel (includes, annotated) (ZIP archive)
ServiceBodyDefinitions (includes, annotated) (ZIP archive)

Note: SIF_Message schemas define every data object element as optional per SIF's Publish/Subscribe and SIF Request/Response Models; *DataModel* schemas maintain the cardinality of all data object elements.

Please refer to the errata for this document, which may include some normative corrections.

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

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1 Preamble

1.1 Abstract

1.1.1 What is SIF?

The Schools Interoperability Framework (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:

- an XML-based messaging framework that allows diverse software applications to interoperate and share and report data related to entities in the pK-12 instructional and administrative environment;
- an HTTP(S)-based transport for conveying these SIF messages;
- an abstract, platform-independent definition of a message queue for reliable delivery of asynchronous SIF messages and related synchronous administrative functions—the *Zone Integration Server (ZIS)*; and
- an abstract, platform-independent definition of the interface between a software application and the ZIS—the *SIF Agent*.

These are known collectively as the *SIF Infrastructure*. The SIF Implementation Specification also defines the *SIF Data Model*:

- an XML-based data model that models entities in the pK-12 environment as *SIF Data Objects* to be shared between applications.

A *SIF Zone* is a distributed system that consists of a ZIS and one or more software applications with a SIF Agent (a *SIF-enabled application*) sharing/reporting one or more SIF data objects over a network. A *SIF Implementation* consists of one or more SIF Zones 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 Zone Integration Server implementations, other than their ability to support technologies leveraged as the foundation for SIF, most prominently XML and HTTP(S).

1.1.1.1 What is SIF (AU)?

SIF Implementation Specification (Australia) defines a set of data objects supporting the Australia's interoperability requirements for the education sector and combines this data model with established infrastructure protocols from the SIF Implementation Specification [SIF]. SIF Implementation Specification (Australia) 1.1 leverages the SIF architecture and redefines the SIF infrastructure from SIF Implementation Specification 2.5 [SIF 2.5] to support its data objects, with an Australia-specific namespace and the data objects defined in this specification. Until such time as the SIF infrastructure is defined separately from its data objects, technical readers should note that the version number internal to SIF XML messages may differ from the version number of the corresponding specification. This is the case for SIF Implementation Specification (Australia) 1.2, which uses version `2.5` from SIF Implementation Specification 2.5, upon which it is based.

1.1.2 Schools Interoperability Framework Association

The Schools Interoperability Framework Association (SIF Association) 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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Address Type
Assessment Reporting Method
Assessment Type
Attendance Code
Attendance Status
Australian Citizenship Status
Australian Standard Classification of Cultural and Ethnic Groups (ASCCEG)
Australian Standard Classification of Languages (ASCL)
Australian Standard Classification of Religious Groups (ASCRG)
Australian Standard Geographical Classification (ASGC)
Birthdate Verification
Calendar Event
Day Value Code
Dwelling Arrangement
Education Agency Type
Electronic Id Type
Email Type
Employment Type
English Proficiency
Enrollment Time Frame
Entry Type
Exit/Withdrawal Status
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Staff Activity
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State Territory Code
Student/Family Program Type
Systemic Status
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Visa Sub Class
Year Level Code
Yes Or No Category
Infrastructure
Status Code
Error Category
XML Validation Error
Encryption Error
Authentication Error
Access and Permission Error
Registration Error
Provision Error
Subscription Error
Request and Response Error
Event Reporting and Processing Error
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System Error
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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.
- Zone Services details the data formats and operation choreographies of the interfaces which Zone Services provide in support of their clients.
- 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

```
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.

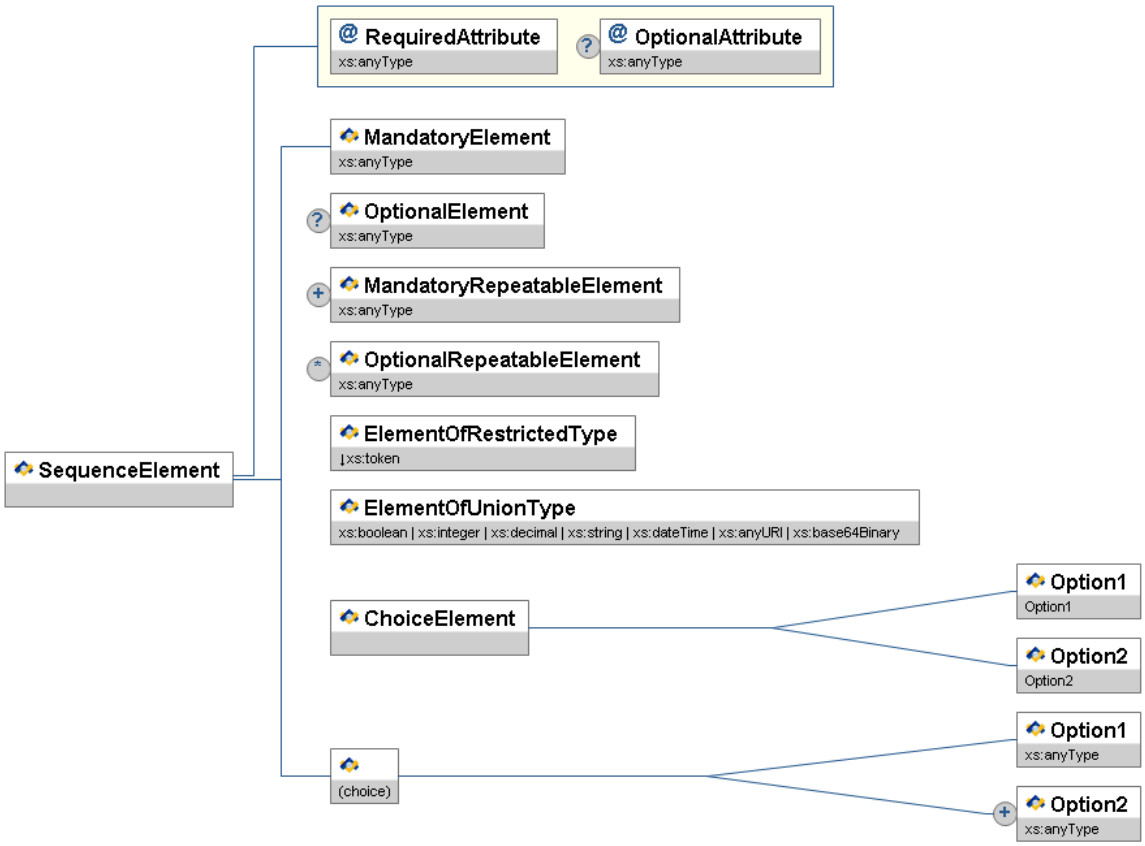


Figure 2.2.6-1: XML Diagram Conventions

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*r*revision number*

Major versions typically introduce additions/changes to the SIF infrastructure and/or data model changes that impact a significant percentage of SIF-enabled applications (e.g. making previously optional elements mandatory, removal of deprecated objects, elements or values). The first release of a major version has a minor version of `0` (`2.0`); major version numbers start at `1` and are incremented as major versions are released (`1.0`, `2.0`, `3.0`, ...).

Minor releases typically introduce new data objects, or optional additions to data objects, to the marketplace, and may include minor infrastructure additions/changes that do not impact existing SIF-enabled applications and that ZIS vendors have agreed to implement. The first minor version released subsequent to and within a major release has a minor version of `1` and is incremented as new minor versions are released (`2.1`, `2.2`, ...). If a significant number of minor release features is introduced in a specification, the SIF Association may decide to increment the minor version number by more than `1` (e.g. `1.1` to `1.5`), though a number like `1.5` is not an indication of being halfway to a major release, as minor version numbers may be incremented significantly past `10` (`2.10`, `2.11`, ...) as data objects and other minor version features are released.

Corrections resulting from identified errata, as well as textual changes, may be incorporated into a revision release. These typically include minor corrections to messages or data objects, corrections of typographical errors, or corrected/expanded documentation. If major errors in any release are identified, a revision release may incorporate changes more typical of a major or minor release. First major and minor releases have a revision number of `0`, which is omitted from the version number (`2.0`, not `2.0r0`); subsequent revision numbers start at `1` and are incremented as new revisions are released (`2.0r1`, `2.0r2`, ...).

2.4 Highlighted Additions/Changes

This release contains the following significant updates and extensions to the SIF specification.

Additions

- SIS Baseline Profile 1.2 - Profile document to guide SIS vendors in Australia.
- ResourceUsage - New Object proposed by DSWG to support disseminating generic information about a student's usage of school resources (such as internet usage).
- StudentPersonal – Parent1Language, Parent2Language, Parent1EmploymentType, Parent2EmploymentType, Parent1SchoolEducationLevel,

Parent2SchoolEducationLevel, Parent1NonSchoolEducation and Parent2NonSchoolEducation added to MostRecent container.

- StaffPersonal – StaffEmploymentStatus added.
- StudentContactRelationship – AttendanceContact and ReceivesAssessmentReport added to ContactFlags container.
- TeachingGroup – Added TeachingGroupPeriodList and elements contained within TeachingGroupPeriod; TimeTableCellRefId, RoomNumber, StaffLocalId, DayId, PeriodId, StartTime and CellType.
- PersonInfo – Added 'Work' and 'Personal' to EmailType. Added 'Work telephone number', 'Work mobile', 'Home telephone number' and 'Home mobile' to PhoneNumberType
- StudentSchoolEnrollment – Added '9998' - Transferred to a different campus of the same school to ExitWithdrawalType and added '0997' - Transfer from a different campus of the same school to EntryType
- SchoolInfo – Added SchoolEmailList element for school specific email addresses.

Changes

- TimetableCell Object - StaffRefId and RoomNumber changed to 'Optional'.
- StaffAssignment Object - SchoolYear changed to 'Optional'.
- StudentSDTN Object - StudentPersonalRefId changed to 'Optional'.
- Visa Sub Class - Code set updated with changes from DIAC, dated August, 2011.
- Student Attendance Summary - now reports events.
- ABS Reference Data: Updated for changes in 2011 - 1249.0 - ASCCEG; 1266.0 - ASCRG; 1269.0 SACC
- ACStrand Code set updated from source: http://vocabulary.esa.edu.au/framework
- Reference source data documentation updated for various code sets.

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 Agents and Zone Integration Servers `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 many cases this is no more than a `RefId` GUID of `RefIdType`, though the primary key may consist solely of foreign key references to other SIF objects and include school years, dates, etc. These key attributes are immutable over the lifetime of an object and serve the purpose of uniquely identifying an object, especially in `Change` and `Delete` events. Some groups include non-primary key attributes in object attributes (e.g. mandatory foreign key references to other objects) and attributes that provide additional processing information regarding the objects. As SIF currently mandates that all object attributes be included in all messages, when a SIF Association working group or task force places a non-primary key attribute in the object's attribute definitions (typically out of historical query conventions), they are indicating that this value must still be accessible to systems in `Change` and, more notably, `Delete` events. All object attributes must be supplied to identify the object in `Change` and `Delete` events.

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 Zone. 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 Zone. 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.:

```
<EmailList>
  <Email Type="01">contact@sifinfo.org</Email>
  <Email Type="02">info@sifinfo.org</Email>
</EmailList>
```

Example 3.1.2.3-1: EmailList

Two types of list are currently defined in SIF, *ActionList* and *List*; both consist of a list container element and a single repeatable child element. Each type of list serves different needs and has associated conventions for communication and processing in the SIF Publish/Subscribe Model. *List* or *ActionList* is specified in the Type column in tables in this section for each list; when an *ActionList* the key, possibly compound, is also indicated in the Type column. *ActionList* key values must be unique within an instance of an *ActionList*.

3.1.2.3.1 ActionList

An *ActionList* has a key that uniquely identifies each child element within the list. This type of list is primarily used when it is desirable or necessary for systems to support or refer to a subset of the list, either due to functionally only being able to support a subset or because specifying a subset in `Change` events is more efficient than transmitting a whole list as in *List*. While one system may support the `Primary` and `Alternate1` e-mail address types above, another may additionally support `Alternate2` addresses. The second system is able to communicate the addition, change or deletion of an `Alternate2` address without the first system inadvertently interpreting that to mean a student or staff member's `Primary` and `Alternate1` addresses have been deleted.

Systems communicate the whole list as a cohesive unit consisting of the parent list container element and all child elements in an `Add` event; if the container is present with no child elements, the list is empty; the same is implied when an optional list is not present in an `Add` event. In a `Change` event, systems `SHOULD` only transmit those elements that have been added, changed or deleted. Deletion is not implied by the omission of a child element, but rather explicitly communicated with a `SIF_Action` attribute of `Delete` added to the deleted element, along with the element's key attribute(s)/element(s) at a minimum. An empty list in a `Change` event implies no changes have occurred in the list, as does the omission of the list. Systems storing *ActionList* data should set/replace/delete any existing values identified by primary keys in the `Change` event they support.

```
<EmailList>
  <Email Type="01">editor@sifinfo.org</Email>
  <Email Type="02" SIF_Action="Delete" />
</EmailList>
```

Example 3.1.2.3.1-1: Indicating a new value for the Primary e-mail address and deleting the Alternate1 address

A system that supports an `Alternate2` e-mail makes no changes to its value for that address type.

3.1.2.3.2 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.

```
<CountriesOfCitizenship>
  <CountryOfCitizenship>1101</CountryOfCitizenship>
  <CountryOfCitizenship>2304</CountryOfCitizenship>
</CountriesOfCitizenship>
```

Example 3.1.2.3.2-1: Indicating an updated list of country citizenships

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

3.1.2.4 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. See SIF and XML Namespaces for more details on namespaces, and SIF and XML Schema for more details on SIF's use of XML Schema.

3.1.2.5 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.

3.2 Common Elements

3.2.1 ACStrandSubjectArea

Subject matter.

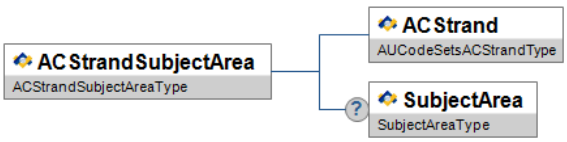


Figure 3.2.1-1: ACStrandSubjectArea

Element/@Attribute	Char	Description	Type
ACStrandSubjectArea		Subject matter.	
ACStrand	M	Subject matter.	`AUCodeSetsACStrandType`

	SubjectArea	O	Subject matter.	SubjectArea

Table 3.2.1-1: ACStrandSubjectArea

```
<ACStrandSubjectArea>
  <ACStrand>M</ACStrand>
  <SubjectArea>
    <Code>Maths</Code>
    <OtherCodeList>
      <OtherCode Codeset="Text">Mathematics</OtherCode>
    </OtherCodeList>
  </SubjectArea>
</ACStrandSubjectArea>
```

Example 3.2.1-1: ACStrandSubjectArea

3.2.2 Address

This element contains address data

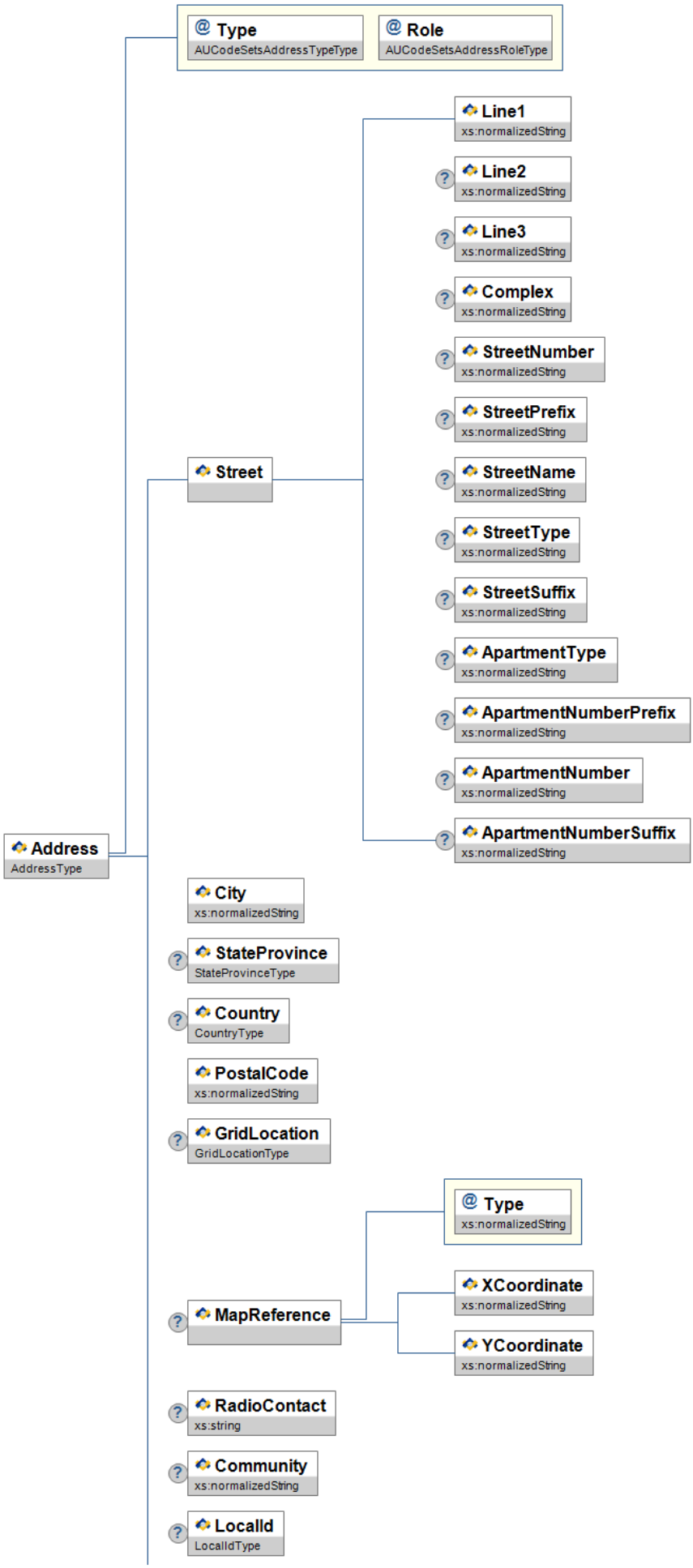

Type
AUCodeSetsAddressTypeType
Role
AUCodeSetsAddressRoleType
Address
AddressType
Street
Line1
xs:normalizedString
Line2
xs:normalizedString
Line3
xs:normalizedString
Complex
xs:normalizedString
StreetNumber
xs:normalizedString
StreetPrefix
xs:normalizedString
StreetName
xs:normalizedString
StreetType
xs:normalizedString
StreetSuffix
xs:normalizedString
ApartmentType
xs:normalizedString
ApartmentNumberPrefix
xs:normalizedString
ApartmentNumber
xs:normalizedString
ApartmentNumberSuffix
xs:normalizedString
City
xs:normalizedString
StateProvince
StateProvinceType
Country
CountryType
PostalCode
xs:normalizedString
GridLocation
GridLocationType
MapReference
Type
xs:normalizedString
XCoordinate
xs:normalizedString
YCoordinate
xs:normalizedString
RadioContact
xs:string
Community
xs:normalizedString
LocalId
LocalIdType

Figure 3.2.2-1: Address

	Element/@Attribute	Char	Description	Type
	Address	M	This element contains address data.	
@	Type	M	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.	AUCodeSetsAddressTypeType
@	Role	M	A facet of Address	AUCodeSetsAddressRoleType
	Street	M	The street element is a complex element and breaks the street down into several parts. (Allow for PO Box here)	
	Street/Line1	M	Address line 1.	xs:normalizedString
	Street/Line2	O	Address line 2.	xs:normalizedString
	Street/Line3	O	Address line 3.	xs:normalizedString
	Street/Complex	O	Name of the complex.	xs:normalizedString
	Street/StreetNumber	O	The address number assigned to the building.	xs:normalizedString
	Street/StreetPrefix	O	Street prefix like NE	xs:normalizedString
	Street/StreetName	O	The name of the street.	xs:normalizedString
	Street/StreetType	O	The type of street. For example, Lane, Blvd., Ave., etc.	xs:normalizedString
	Street/StreetSuffix	O	Street suffix like SW.	xs:normalizedString
	Street/ApartmentType	O	Type of apartment, for example, Suite.	xs:normalizedString
	Street/ApartmentNumberPrefix	O	Apartment number prefix.	xs:normalizedString
	Street/ApartmentNumber	O	The number of the apartment.	xs:normalizedString
	Street/ApartmentNumberSuffix	O	Apartment number suffix.	xs:normalizedString
	City	M	The city part of the address.	xs:normalizedString
	StateProvince	C	The state or province code. StateTerritory Code only applicable if an Australian Address. Conditional- If Australian Address this is mandatory.	StateProvince
	Country	O	The country code.	Country
	PostalCode	M	The ZIP/postal code.	xs:normalizedString
	GridLocation	O	The location of the address.	GridLocation
	MapReference	O	A Map Reference in x-y co-ordinates.	
@	Type	M	Type map reference	xs:normalizedString
	MapReference/XCoordinate	M	X Co-ordinate of reference	xs:normalizedString
	MapReference/YCoordinate	M	Y Co-ordinate of reference	xs:normalizedString

	RadioContact	O	UHF Radio frequency or channel used for contact eg: 477MHz or CH60	xs:string
	Community	O	This element is used to describe a Community that is associated with the instance of the address.	xs:normalizedString
	LocalId	O	This is the LocalId of the specific address if it can be provided.	LocalId
	AddressGlobalUID	O	This is the GUID generated by the Provider system. Where it is available to be provided, the globally unique identifier links together separate instances of the Address Common Element which reference the same physical address. When it can be provided, it can be used by subsribing systems to connect addresses from different personal objects.	GUIDType

Table 3.2.2-1: Address

```
<Address Type="0123" Role="012B">
  <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>WA</StateProvince>
  <Country>1101</Country>
  <PostalCode>60611</PostalCode>
  <GridLocation>
    <Latitude>41.850000</Latitude>
    <Longitude>-87.650000</Longitude>
  </GridLocation>
  <Community>Bidyadanga Community</Community>
  <LocalId>A1530</LocalId>
  <AddressGlobalUID>4286194F43ED43C18EE2F0A27C4BEF87</AddressGlobalUID>
</Address>
```

Example 3.2.2-1: Address

3.2.3 AddressList

A list of Address elements.

Figure 3.2.3-1: AddressList

	Element/@Attribute	Char	Description	Type
	AddressList		A list of Address elements.	ActionList (Address/@Type, Address/@Role)
	Address	MR		Address
@	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 3.2.3-1: AddressList

```
<AddressList>
  <Address Type="0123" Role="012B">
    <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>1101</Country>
    <PostalCode>60611</PostalCode>
    <GridLocation>
      <Latitude>41.850000</Latitude>
      <Longitude>-87.650000</Longitude>
    </GridLocation>
  </Address>
</AddressList>
```

Example 3.2.3-1: AddressList

3.2.4 AttendanceCode

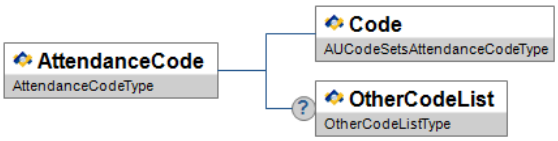


Figure 3.2.4-1: AttendanceCode

Element/@Attribute	Char	Description	Type
AttendanceCode		Code that describes the absence/attendance.	
Code	M	Code representing the absence/attendance.	AUCodeSetsAttendanceCodeType
OtherCodeList	O		OtherCodeList

Table 3.2.4-1: AttendanceCode

```
<AttendanceCode>
  <Code>200</Code>
  <OtherCodeList>
    <OtherCode Codeset="Local">S</OtherCode>
    <OtherCode Codeset="Other">C</OtherCode>
  </OtherCodeList>
</AttendanceCode>
```

Example 3.2.4-1: AttendanceCode

3.2.5 BirthDate

A person's date of birth.

Figure 3.2.5-1: BirthDate

Element/@Attribute	Char	Description	Type
BirthDate		A person's date of birth.	xs:date

Table 3.2.5-1: BirthDate

```
<BirthDate>1970-08-11</BirthDate>
```

Example 3.2.5-1: BirthDate

3.2.6 ContactInfo

Common element used to supply information for a contact person at a school, LEA, or other institution.

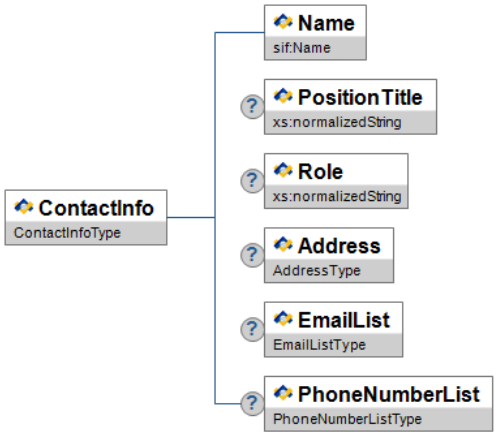


Figure 3.2.6-1: ContactInfo

Element/@Attribute	Char	Description	Type
ContactInfo		Common element used to supply information for a contact person at a school, LEA, or other institution.	
Name	M		Name
PositionTitle	O	The contact person's position title.	xs:normalizedString

			Examples Superintendent	
	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.	Address
	EmailList	O	List of Email elements.	EmailList
	PhoneNumberList	O	List of PhoneNumber elements.	PhoneNumberList

Table 3.2.6-1: ContactInfo

```
<ContactInfo>
  <Name Type="LGL">
    <FamilyName>Woodall</FamilyName>
    <GivenName>Charles</GivenName>
    <MiddleName>William</MiddleName>
  </Name>
  <PositionTitle>Superintendent</PositionTitle>
  <EmailList>
    <Email Type="01">drseuss@whoville.k12.state.us</Email>
  </EmailList>
  <PhoneNumberList>
    <PhoneNumber Type="0096">
      <Number>(02) 9555-0102</Number>
    </PhoneNumber>
  </PhoneNumberList>
</ContactInfo>
```

Example 3.2.6-1: ContactInfo

3.2.7 Country

A country code.

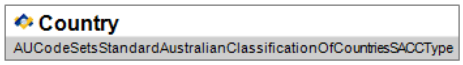


Figure 3.2.7-1: Country

	Element/@Attribute	Char	Description	Type
	Country		A country code.	**union of:** AUCodeSetsStandardAustralianClassificationOfCountriesSACCType

Table 3.2.7-1: Country

```
<Country>1101</Country>
```

Example 3.2.7-1: Country

3.2.8 Demographics

Demographics information about the student, contact, staff member, etc.

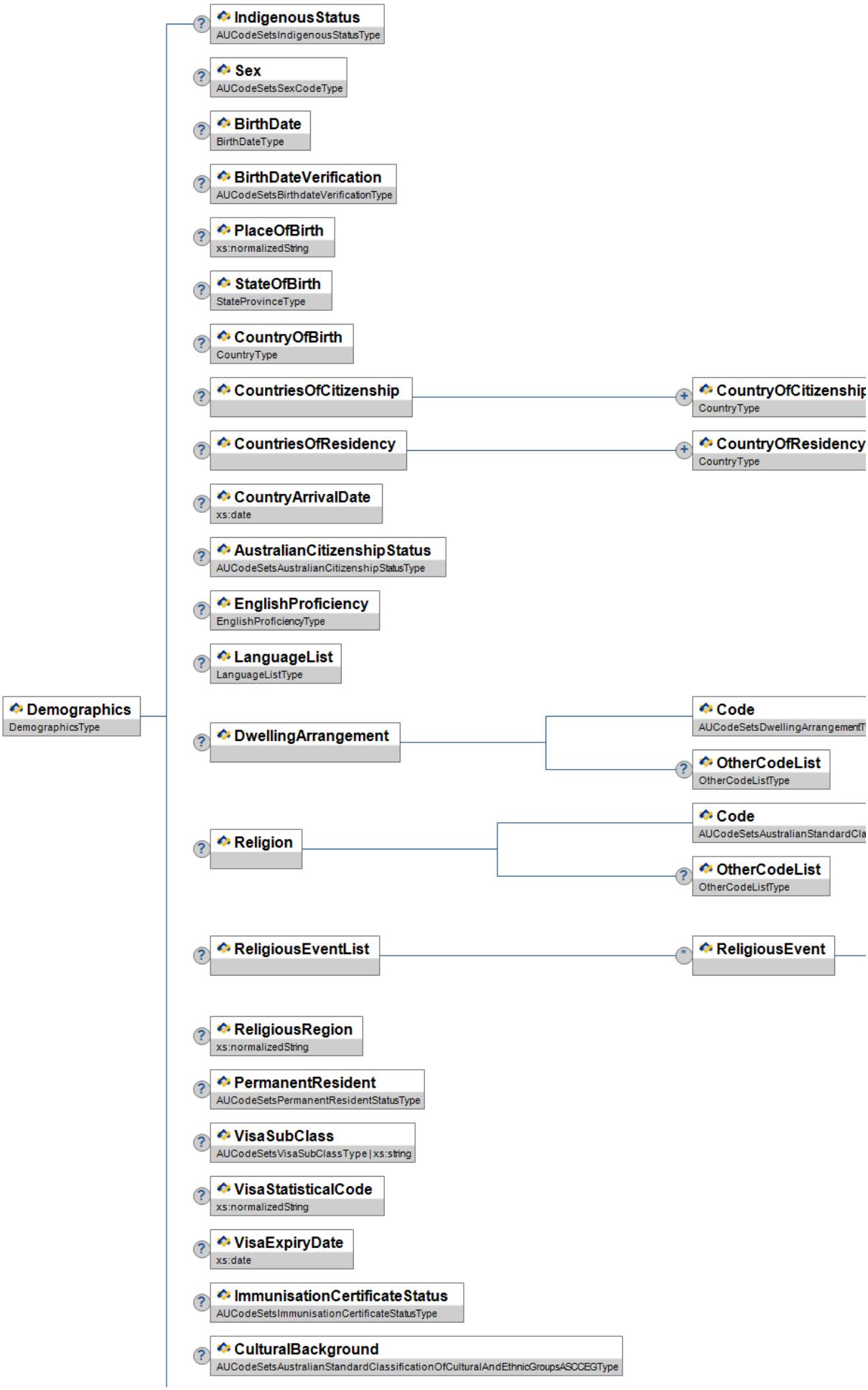

Demographics
DemographicsType
IndigenousStatus
AUCodeSetsIndigenousStatusType
Sex
AUCodeSetsSexCodeType
BirthDate
BirthDateType
BirthDateVerification
AUCodeSetsBirthdateVerificationType
PlaceOfBirth
xs:normalizedString
StateOfBirth
StateProvinceType
CountryOfBirth
CountryType
CountriesOfCitizenship
CountryOfCitizenship
CountryType
CountriesOfResidency
CountryOfResidency
CountryType
CountryArrivalDate
xs:date
AustralianCitizenshipStatus
AUCodeSetsAustralianCitizenshipStatusType
EnglishProficiency
EnglishProficiencyType
LanguageList
LanguageListType
DwellingArrangement
Code
AUCodeSetsDwellingArrangementT
OtherCodeList
OtherCodeListType
Religion
Code
AUCodeSetsAustralianStandardCla
OtherCodeList
OtherCodeListType
ReligiousEventList
ReligiousEvent
ReligiousRegion
xs:normalizedString
PermanentResident
AUCodeSetsPermanentResidentStatusType
VisaSubClass
AUCodeSetsVisaSubClassType | xs:string
VisaStatisticalCode
xs:normalizedString
VisaExpiryDate
xs:date
ImmunisationCertificateStatus
AUCodeSetsImmunisationCertificateStatusType
CulturalBackground
AUCodeSetsAustralianStandardClassificationOfCulturalAndEthnicGroupsASCCEGType

Figure 3.2.8-1: Demographics

Element/@Attribute	Char	Description	Type
Demographics		Demographics information about the student, contact, staff member, etc.	
IndigenousStatus	O	Whether or not the student identifies themselves as being of Aboriginal and/or Torres Strait Islander descent.	AUCodeSetsIndigenousStatusType
Sex	O	'Sex' is the distinction 'male' and 'female', as reported by the person	AUCodeSetsSexCodeType
BirthDate	O	The person's date of birth.	BirthDate
BirthDateVerification	O	Means by which the person's birth date was validated.	AUCodeSetsBirthdateVerificationType
PlaceOfBirth	O	The person's place of birth—like village, town, city etc.	xs:normalizedString
StateOfBirth	O	The person's state of birth.	StateProvince
CountryOfBirth	O	The person's country of birth.	Country
CountriesOfCitizenship	O		List
CountriesOfCitizenship/CountryOfCitizenship	MR	A person's country of citizenship.	Country
CountriesOfResidency	O		List
CountriesOfResidency/CountryOfResidency	MR	A person's country of residence.	Country
CountryArrivalDate	O	Date the person first arrived in the country.	xs:date
AustralianCitizenshipStatus	O	The person's citizenship status.	AUCodeSetsAustralianCitizenshipStatusType
EnglishProficiency	O	Person's proficiency in English.	EnglishProficiency
LanguageList	O	List of languages an individual uses to communicate.	LanguageList
DwellingArrangement	O	Setting/environment in which the person resides.	
DwellingArrangement/Code	M	Code representing the setting/environment in which the person resides	AUCodeSetsDwellingArrangementType
DwellingArrangement/OtherCodeList	O		OtherCodeList
Religion	O	Type of Religion if any	
Religion/Code	M	Religion Code	AUCodeSetsAustralianStandardClassificationOfReligiousGroupsASCRGType
Religion/OtherCodeList	O		OtherCodeList
ReligiousEventList	O	List of Religious events	List
ReligiousEventList/ReligiousEvent	OR		
ReligiousEventList/ReligiousEvent/Type	M	Religious Event - Currently Free Text	xs:normalizedString
ReligiousEventList/ReligiousEvent/Date	M	Date of Religious Event	xs:date
ReligiousRegion	O	Belong to Religious Region - Currently Free Text.	xs:normalizedString

PermanentResident	O	Australian Residency Status (Mandatory for Student)	AUCodeSetsPermanentResidentStatusType
VisaSubClass	O	Visa Sub-Class - Can be free text - not necessary to validate	**union of:** AUCodeSetsVisaSubClassType xs:string
VisaStatisticalCode	O	Visa Statistical Code - Can be free text - not necessary to validate	xs:normalizedString
VisaExpiryDate	O	Expiry Date of Visa if one exists	xs:date
ImmunisationCertificateStatus	O	Status of Immunisation Certificate	AUCodeSetsImmunisationCertificateStatusType
CulturalBackground	O	Used to indicate cultural background.	AUCodeSetsAustralianStandardClassificationOfCulturalAndEthnicGroupsASCCEGType
MaritalStatus	O	The person's marital status.	AUCodeSetsMaritalStatusAIHWType

Table 3.2.8-1: Demographics

```
<Demographics>
  <IndigenousStatus>3</IndigenousStatus>
  <Sex>1</Sex>
  <BirthDate>1990-09-26</BirthDate>
  <BirthDateVerification>1004</BirthDateVerification>
  <PlaceOfBirth>Clayton</PlaceOfBirth>
  <StateOfBirth>VIC</StateOfBirth>
  <CountryOfBirth>1101</CountryOfBirth>
  <CountriesOfCitizenship>
    <CountryOfCitizenship>8104</CountryOfCitizenship>
    <CountryOfCitizenship>1101</CountryOfCitizenship>
  </CountriesOfCitizenship>
  <CountriesOfResidency>
    <CountryOfResidency>8104</CountryOfResidency>
    <CountryOfResidency>1101</CountryOfResidency>
  </CountriesOfResidency>
  <CountryArrivalDate>1990-09-26</CountryArrivalDate>
  <AustralianCitizenshipStatus>1</AustralianCitizenshipStatus>
  <EnglishProficiency>
    <Code>1</Code>
  </EnglishProficiency>
  <LanguageList>
    <Language>
      <Code>0001</Code>
      <LanguageType>1</LanguageType>
    </Language>
  </LanguageList>
  <DwellingArrangement>
    <Code>1671</Code>
  </DwellingArrangement>
  <Religion>
    <Code>2013</Code>
  </Religion>
  <ReligiousEventList>
    <ReligiousEvent>
      <Type>Baptism</Type>
      <Date>2000-09-01</Date>
    </ReligiousEvent>
    <ReligiousEvent>
      <Type>Christmas</Type>
      <Date>2009-12-24</Date>
    </ReligiousEvent>
  </ReligiousEventList>
  <ReligiousRegion>The Religion Region</ReligiousRegion>
  <PermanentResident>P</PermanentResident>
  <VisaSubClass>101</VisaSubClass>
  <VisaStatisticalCode>05</VisaStatisticalCode>
</Demographics>
```

Example 3.2.8-1: Demographics Example

3.2.9 EducationalLevel

A code representing the highest level of education completed by a person.

Figure 3.2.9-1: EducationalLevel

Element/@Attribute	Char	Description	Type
EducationalLevel		A code representing the highest level of education completed by a person.	AUCodeSetsSchoolEducationLevelTypeType

Table 3.2.9-1: EducationalLevel

```
<EducationalLevel>3</EducationalLevel>
```

Example 3.2.9-1: EducationalLevel

3.2.10 EducationFilter

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 3.2.10-1: EducationFilter

	Element/@Attribute	Char	Description	Type
	EducationFilter			
	LearningStandardItems	O	Allows any SIF object to be correlated to learning standards.	`List`
	LearningStandardItems/LearningStandardItemRefId	MR		`IdRefType`

Table 3.2.10-1: EducationFilter

```
<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>
```

Example 3.2.10-1: EducationFilter - Example 1

3.2.11 ElectronicId

Common element used to specify entity identifiers that are read by electronic equipment.

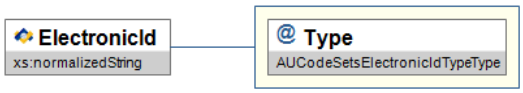


Figure 3.2.11-1: ElectronicId

	Element/@Attribute	Char	Description	Type
	ElectronicId		Common element used to specify entity identifiers that are read by electronic equipment.	`xs:normalizedString`
@	Type	M	Electronic ID type.	`AUCodeSetsElectronicIdTypeType`

Table 3.2.11-1: ElectronicId

```
<ElectronicId Type="01">206654</ElectronicId>
```

Example 3.2.11-1: ElectronicId

3.2.12 ElectronicIdList

A list of electronic identifiers associated with an entity.

Figure 3.2.12-1: ElectronicIdList

	Element/@Attribute	Char	Description	Type
	ElectronicIdList		A list of electronic identifiers associated with an entity.	`List`
	ElectronicId	MR		`ElectronicId`

Table 3.2.12-1: ElectronicIdList

```
<ElectronicIdList>
```

```
  <ElectronicId Type="01">206654</ElectronicId>
  <ElectronicId Type="03">1234</ElectronicId>
</ElectronicIdList>
```

Example 3.2.12-1: ElectronicIdList

3.2.13 Email

This element represents an e-mail address of one of a number of types and occurs in objects such as StudentPersonal, StaffPersonal, StudentContactPersonal, etc.

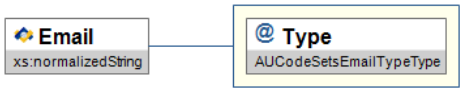


Figure 3.2.13-1: Email

	Element/@Attribute	Char	Description	Type
	Email		This element represents an e-mail address of one of a number of types and occurs in objects such as StudentPersonal, StaffPersonal, StudentContactPersonal, etc.	`xs:normalizedString`
@	Type	M	This attribute specifies the type of e-mail address.	`AUCodeSetsEmailTypeType`

Table 3.2.13-1: Email

```
<Email Type="01">contact@sifinfo.org</Email>
```

Example 3.2.13-1: Email

3.2.14 EmailList

A list of e-mail addresses associated with an individual or organization.

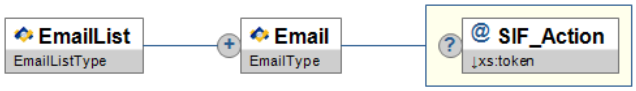


Figure 3.2.14-1: EmailList

	Element/@Attribute	Char	Description	Type
	EmailList		A list of e-mail addresses associated with an individual or organization.	`ActionList (Email/@Type)`
	Email	MR		`Email`
@	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 3.2.14-1: EmailList

```
<EmailList>
  <Email Type="01">contact@sifinfo.org</Email>
  <Email Type="02">info@sifinfo.org</Email>
</EmailList>
```

Example 3.2.14-1: EmailList

3.2.15 EnglishProficiency

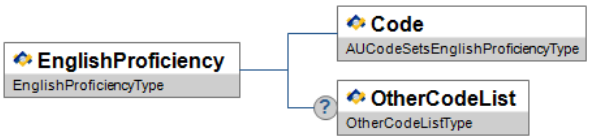


Figure 3.2.15-1: EnglishProficiency

	Element/@Attribute	Char	Description	Type
	EnglishProficiency	O		
	Code	M	Person's proficiency in English.	`AUCodeSetsEnglishProficiencyType`
	OtherCodeList	O		`OtherCodeList`

Table 3.2.15-1: EnglishProficiency

```
<EnglishProficiency>
  <Code>9</Code>
</EnglishProficiency>
```

Example 3.2.15-1: EnglishProficiency

3.2.16 GraduationDate

Date student officially graduated from secondary education.

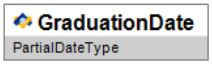


Figure 3.2.16-1: GraduationDate

	Element/@Attribute	Char	Description	Type
	GraduationDate		Date student officially graduated from secondary education.	PartialDateType

Table 3.2.16-1: GraduationDate

```
<GraduationDate>2005-05-27</GraduationDate>
```

Example 3.2.16-1: GraduationDate

3.2.17 GridLocation

This element contains a map location. The GridLocation element is utilized within the Address element.

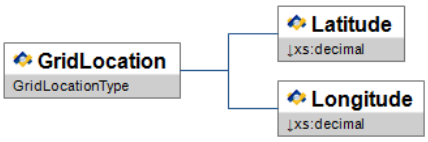


Figure 3.2.17-1: GridLocation

	Element/@Attribute	Char	Description	Type
	GridLocation		This element contains a map location. The GridLocation element is utilized within the Address element.	
	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
	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 3.2.17-1: GridLocation

```
<GridLocation>
  <Latitude>41.850000</Latitude>
  <Longitude>-87.650000</Longitude>
</GridLocation>
```

Example 3.2.17-1: GridLocation

3.2.18 HomeroomNumber

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 3.2.18-1: HomeroomNumber

	Element/@Attribute	Char	Description	Type
	HomeroomNumber		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 3.2.18-1: HomeroomNumber

```
<HomeroomNumber>A-204</HomeroomNumber>
```

Example 3.2.18-1: HomeroomNumber

3.2.19 LanguageList

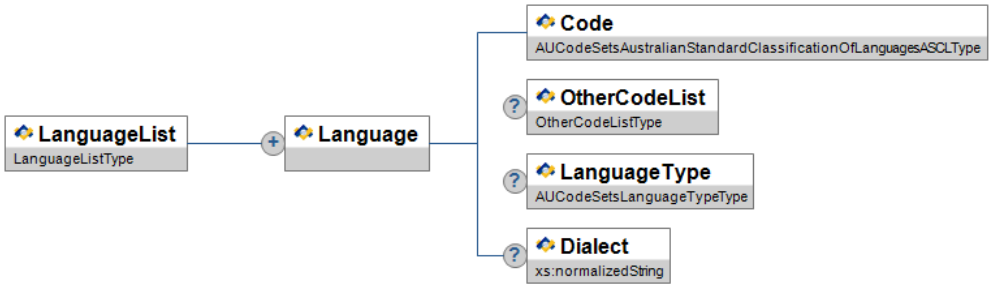


Figure 3.2.19-1: LanguageList

Element/@Attribute	Char	Description	Type
LanguageList	O		List
Language	MR		
Language/Code	M	The code representing the specific language that an individual uses to communicate.	AUCodeSetsAustralianStandardClassificationOfLanguagesASCLType
Language/OtherCodeList	O		OtherCodeList
Language/LanguageType	O	An indication of the function and context in which an individual uses a language to communicate.	AUCodeSetsLanguageTypeType
Language/Dialect	O	Specific dialect of a person's language.	xs:normalizedString

Table 3.2.19-1: LanguageList

```
<LanguageList>
  <Language>
    <Code>1201</Code>
    <LanguageType>1</LanguageType>
  </Language>
  <Language>
    <Code>1301</Code>
    <LanguageType>9</LanguageType>
  </Language>
</LanguageList>
```

Example 3.2.19-1: LanguageList

3.2.20 LifeCycle

This common metadata element describes the life cycle of the object it represents, based on the IEEE LOM LifeCycle element [LOM].

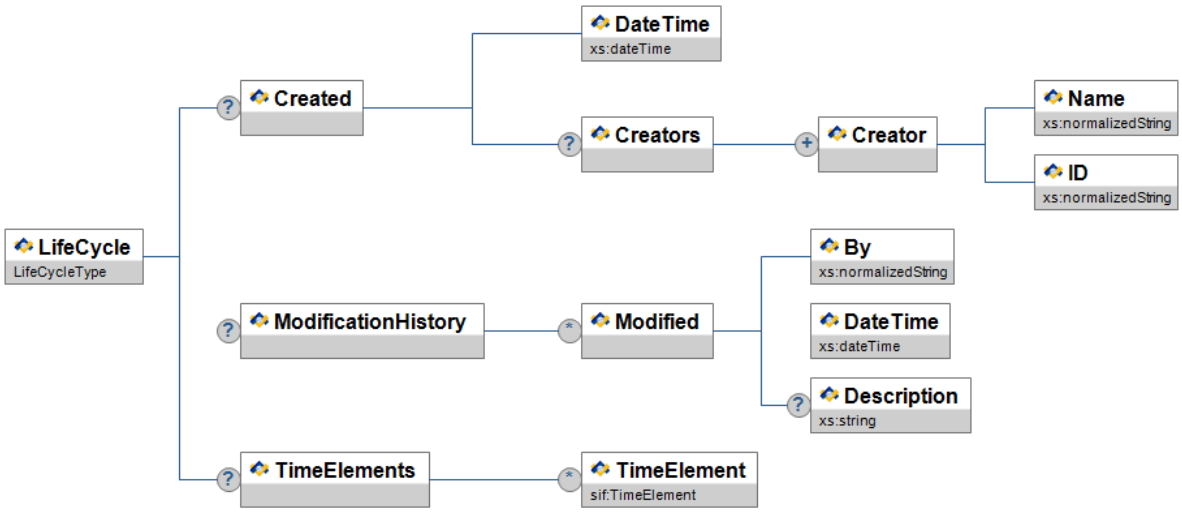


Figure 3.2.20-1: LifeCycle

Element/@Attribute	Char	Description	Type

	LifeCycle		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.	
	Created/DateTime	M		`xs:dateTime`
	Created/Creators	O		`List`
	Created/Creators/Creator	MR		
	Created/Creators/Creator/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`
	Created/Creators/Creator/ID	M	Unique identifier of the creator. An email address or URI could be used here.	`xs:normalizedString`
	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.	`List`
	ModificationHistory/Modified	OR	A single modification event.	
	ModificationHistory/Modified/By	M	Identifier of the system or person that modified the data.	`xs:normalizedString`
	ModificationHistory/Modified/DateTime	M	The date/time the modification occurred.	`xs:dateTime`
	ModificationHistory/Modified/Description	O	Human readable description of the data modifications.	`xs:string`
	TimeElements	O		`List`
	TimeElements/TimeElement	OR		`TimeElement`

Table 3.2.20-1: LifeCycle

```
<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 3.2.20-1: LifeCycle

3.2.21 LocalId

This is a common element used to define the locally assigned identifier associated with an entity.

Figure 3.2.21-1: LocalId

	Element/@Attribute	Char	Description	Type
	LocalId		This is a common element used to define the locally assigned identifier associated with an entity.	`xs:normalizedString`

Table 3.2.21-1: LocalId

```
<LocalId>123321A</LocalId>
```

Example 3.2.21-1: LocalId

3.2.22 Location

This common element initially supports core data elements describing specific physical locations.

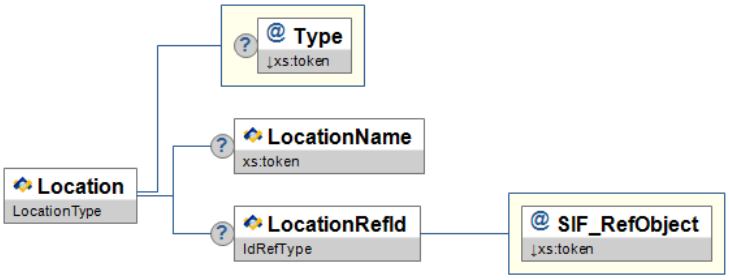


Figure 3.2.22-1: Location

	Element/@Attribute	Char	Description	Type
	Location			
@	Type	O		**values:** Classroom School District Campus IntermediateUnit StateEducationAgency NonInstructionalSpace AthleticVenue Other
	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 3.2.22-1: Location

```
<Location Type="Classroom">
  <LocationName>Beaconhills Middle School Library</LocationName>
  <LocationRefId SIF_RefObject="RoomInfo">947582610947583ACEB2BB345291BAAA</LocationRefId>
</Location>
```

Example 3.2.22-1: Location

3.2.23 Name

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, StudentContactPersonal, StaffPersonal, etc.

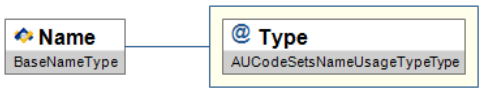


Figure 3.2.23-1: Name

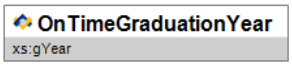
	Element/@Attribute	Char	Description	Type
	Name		The Name element, which could belong to a student, staff member, contact, etc. This element or a form with a subset of Type values occurs within objects such as StudentPersonal, StudentContactPersonal, StaffPersonal, etc.	BaseNameType
@	Type	M	Code that specifies what type of name this is. If unsure, use LGL.	AUCodeSetsNameUsageTypeType

Table 3.2.23-1: Name

```
<Name Type="LGL">
  <FamilyName>Woodall</FamilyName>
  <GivenName>Charles</GivenName>
  <MiddleName>William</MiddleName>
</Name>
```

Name

nYear



YY).

nYear

	Element/@Attribute	Char	Description	Type
	OnTimeGraduationYear		First projected graduation year, usually determined when student is accepted into 9th grade (CCYY).	xs:gYear

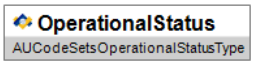
r
Year

```
<OnTimeGraduationYear>2006</OnTimeGraduationYear>
```

ar>

Year

tatus



ion.

	Element/@Attribute	Char	Description	Type
	OperationalStatus		Operational condition of an institution.	AUCodeSetsOperationalStatusType

Table 3.2.25-1: OperationalStatus

```
<OperationalStatus>O</OperationalStatus>
```

Example 3.2.25-1: OperationalStatus

3.2.26 OtherCodeList

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 OtherCodes are supported, both Code and all associated OtherCode elements must be present.

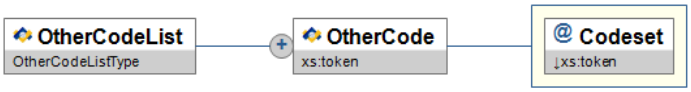


Figure 3.2.26-1: OtherCodeList

	Element/@Attribute	Char	Description	Type
	OtherCodeList		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 OtherCodes 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 3.2.26-1: OtherCodeList

```
<OtherCodeList>
  <OtherCode Codeset="Local">S</OtherCode>
  <OtherCode Codeset="Text">Semester</OtherCode>
</OtherCodeList>
```

Example 3.2.26-1: OtherCodeList

3.2.27 OtherNames

Previous, alternate or other names or aliases associated with a person.

Figure 3.2.27-1: OtherNames

	Element/@Attribute	Char	Description	Type
	OtherNames	O	Previous, alternate or other names or aliases associated with a person.	ActionList (Name/@Type)
	Name	MR	Name of the person. Note: Type value of LGL may not occur here.	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 3.2.27-1: OtherNames

```
<OtherNames>
  <Name Type="AKA">
    <FamilyName>Anderson</FamilyName>
    <GivenName>Samuel</GivenName>
    <FullName>Samuel Anderson</FullName>
  </Name>
  <Name Type="PRF">
    <FamilyName>Rowinski</FamilyName>
    <GivenName>Sam</GivenName>
    <FullName>Sam Rowinski </FullName>
  </Name>
</OtherNames>
```

Example 3.2.27-1: OtherNames

3.2.28 PersonInfo

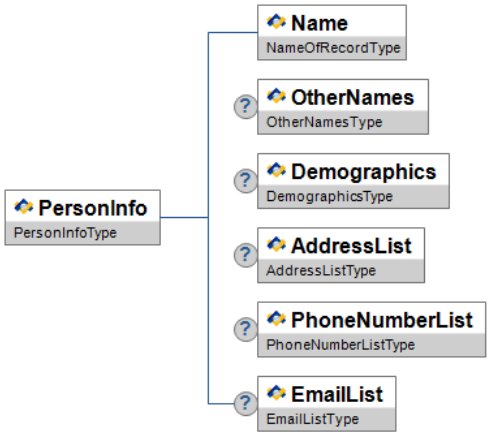


Figure 3.2.28-1: PersonInfo

Element/@Attribute	Char	Description	Type
PersonInfo			
Name	M	The name of the person. Note: Type attribute value of LGL must be used here.	NameOfRecordType
OtherNames	O	Previous, alternate or other names or aliases associated with the person.	OtherNames
Demographics	O	Demographic information about the person.	Demographics
AddressList	O	The person's address(es).	AddressList
PhoneNumberList	O	The person's phone number(s).	PhoneNumberList
EmailList	O	The person's e-mail address(es).	EmailList

Table 3.2.28-1: PersonInfo

```
<PersonInfo>
  <Name Type="LGL">
    <FamilyName>Smith</FamilyName>
    <GivenName>Fred</GivenName>
    <FullName>Fred Smith</FullName>
  </Name>
  <OtherNames>
    <Name Type="AKA">
      <FamilyName>Anderson</FamilyName>
      <GivenName>Samuel</GivenName>
      <FullName>Samuel Anderson</FullName>
    </Name>
    <Name Type="PRF">
      <FamilyName>Rowinski</FamilyName>
      <GivenName>Sam</GivenName>
      <FullName>Sam Rowinski </FullName>
    </Name>
  </OtherNames>
  <Demographics>
    <IndigenousStatus>3</IndigenousStatus>
    <Sex>1</Sex>
    <BirthDate>1990-09-26</BirthDate>
    <BirthDateVerification>1004</BirthDateVerification>
    <PlaceOfBirth>Clayton</PlaceOfBirth>
    <StateOfBirth>VIC</StateOfBirth>
    <CountryOfBirth>1101</CountryOfBirth>
    <CountriesOfCitizenship>
      <CountryOfCitizenship>8104</CountryOfCitizenship>
      <CountryOfCitizenship>1101</CountryOfCitizenship>
    </CountriesOfCitizenship>
    <CountriesOfResidency>
      <CountryOfResidency>8104</CountryOfResidency>
      <CountryOfResidency>1101</CountryOfResidency>
    </CountriesOfResidency>
    <CountryArrivalDate>1990-09-26</CountryArrivalDate>
    <AustralianCitizenshipStatus>1</AustralianCitizenshipStatus>
    <EnglishProficiency>
      <Code>1</Code>
    </EnglishProficiency>
    <LanguageList>
      <Language>
        <Code>0001</Code>
        <LanguageType>1</LanguageType>
      </Language>
    </LanguageList>
    <DwellingArrangement>
      <Code>1671</Code>
    </DwellingArrangement>
    <Religion>
      <Code>2013</Code>
    </Religion>
    <ReligiousEventList>
```

```
      <ReligiousEvent>
        <Type>Baptism</Type>
        <Date>2000-09-01</Date>
      </ReligiousEvent>
      <ReligiousEvent>
        <Type>Christmas</Type>
        <Date>2009-12-24</Date>
      </ReligiousEvent>
    </ReligiousEventList>
    <ReligiousRegion>The Religion Region</ReligiousRegion>
    <PermanentResident>P</PermanentResident>
    <VisaSubClass>101</VisaSubClass>
    <VisaStatisticalCode>05</VisaStatisticalCode>
  </Demographics>
  <AddressList>
    <Address Type="0123" Role="2382">
      <Street>
        <Line1>Unit1/10</Line1>
        <Line2>Barkley Street</Line2>
      </Street>
      <City>Yarra Glenn</City>
      <StateProvince>VIC</StateProvince>
      <Country>1101</Country>
      <PostalCode>9999</PostalCode>
    </Address>
    <Address Type="0123A" Role="013A">
      <Street>
        <Line1>34 Term Address Street</Line1>
      </Street>
      <City>Home Town</City>
      <StateProvince>WA</StateProvince>
      <Country>1101</Country>
      <PostalCode>9999</PostalCode>
    </Address>
  </AddressList>
  <PhoneNumberList>
    <PhoneNumber Type="0096">
      <Number>03 9637-2289</Number>
      <Extension>72289</Extension>
      <ListedStatus>Y</ListedStatus>
    </PhoneNumber>
    <PhoneNumber Type="0888">
      <Number>0437-765-234</Number>
      <ListedStatus>N</ListedStatus>
    </PhoneNumber>
  </PhoneNumberList>
  <EmailList>
    <Email Type="01">fsmith@yahoo.com</Email>
    <Email Type="02">freddy@gmail.com</Email>
  </EmailList>
</PersonInfo>
```

Example 3.2.28-1: PersonInfo

3.2.29 PhoneNumber

This element represents a phone number and occurs within objects such as StudentPersonal, StaffPersonal, etc.

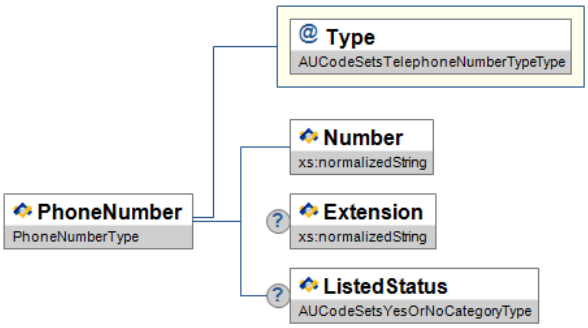


Figure 3.2.29-1: PhoneNumber

	Element/@Attribute	Char	Description	Type
	PhoneNumber		This element represents a phone number and occurs within objects such as StudentPersonal, StaffPersonal, etc.	
@	Type	M	Code that specifies what type of phone number this is. Note: A subset of valid values may be specified in data objects.	AUCodeSetsTelephoneNumberTypeType
	Number	M	Phone number. Free-form, but typical Australian formats include: • (###) ####-#### • ####-#### • +##### ### ###	xs:normalizedString
	Extension	O	Phone number extension.	xs:normalizedString
	ListedStatus	O	Indicates whether or not the phone number is available to the public.	AUCodeSetsYesOrNoCategoryType

Table 3.2.29-1: PhoneNumber

```
<PhoneNumber Type="0096">
  <Number>(03) 9543 2000</Number>
  <Extension>245</Extension>
</PhoneNumber>
```

Example 3.2.29-1: PhoneNumber

3.2.30 PhoneNumberList

Lists phone numbers associated with an entity.

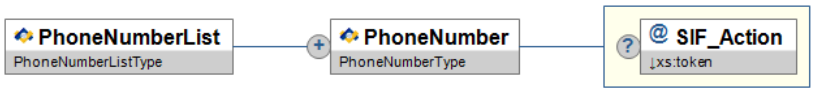


Figure 3.2.30-1: PhoneNumberList

	Element/@Attribute	Char	Description	Type
	PhoneNumberList		Lists phone numbers associated with an entity.	`ActionList (PhoneNumber/@Type)`
	PhoneNumber	MR		`PhoneNumber`
@	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 3.2.30-1: PhoneNumberList

```
<PhoneNumberList>
  <PhoneNumber Type="0096">
    <Number>(03) 9543 2000</Number>
  </PhoneNumber>
</PhoneNumberList>
```

Example 3.2.30-1: PhoneNumberList

3.2.31 PrincipalInfo

Information about the campus or school principal.

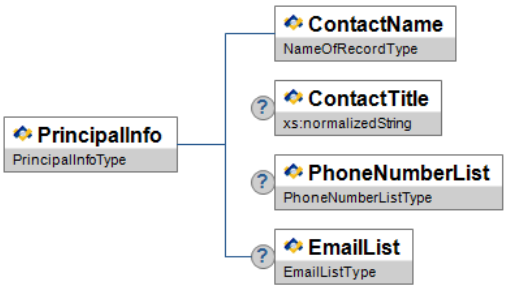


Figure 3.2.31-1: PrincipalInfo

	Element/@Attribute	Char	Description	Type
	PrincipalInfo	O	Information about the campus or school principal.	
	ContactName	M	The name of the principal.	`NameOfRecordType`
	ContactTitle	O	The principal's title.	`xs:normalizedString`
	PhoneNumberList	O	The principal's phone number(s).	`PhoneNumberList`
	EmailList	O	The principal's e-mail address(es).	`EmailList`

Table 3.2.31-1: PrincipalInfo

```
<PrincipalInfo>
  <ContactName Type="LGL">
    <Title>Mr</Title>
    <FamilyName>Miller</FamilyName>
    <GivenName>James</GivenName>
    <MiddleName>Frank</MiddleName>
    <Suffix>Jr.</Suffix>
```

```
    <FullName>Mr James Frank Miller Jr.</FullName>
  </ContactName>
  <ContactTitle>School Principal</ContactTitle>
  <PhoneNumberList>
    <PhoneNumber Type="0096">
      <Number>03 9637-2000</Number>
      <Extension>72345</Extension>
      <ListedStatus>Y</ListedStatus>
    </PhoneNumber>
  </PhoneNumberList>
  <EmailList>
    <Email Type="01">jmiller@lsc.vic.edu.au</Email>
    <Email Type="02">jmiller@yahoo.com.au</Email>
  </EmailList>
</PrincipalInfo>
```

Example 3.2.31-1: PrincipalInfo

3.2.32 ProgramStatus

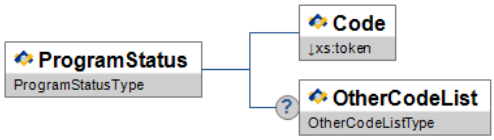


Figure 3.2.32-1: ProgramStatus

Element/@Attribute	Char	Description	Type
ProgramStatus			
Code	M	The current status of the student's program participation.	**values:** S001 Referred S002 Eligible S003 Not Eligible S004 Active S005 Exited S006 Withdrew/refused 9999 Other
OtherCodeList	O		OtherCodeList

Table 3.2.32-1: ProgramStatus

```
<ProgramStatus>
  <Code>S004</Code>
</ProgramStatus>
```

Example 3.2.32-1: ProgramStatus

3.2.33 ProjectedGraduationYear

Currently projected graduation year.

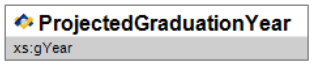


Figure 3.2.33-1: ProjectedGraduationYear

Element/@Attribute	Char	Description	Type
ProjectedGraduationYear		Currently projected graduation year (CCYY).	xs:gYear

Table 3.2.33-1: ProjectedGraduationYear

```
<ProjectedGraduationYear>2006</ProjectedGraduationYear>
```

Example 3.2.33-1: ProjectedGraduationYear

3.2.34 PublishInDirectory

This is a common element used to specify whether or not information (e.g., contact information) should be published in a directory.

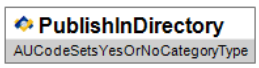


Figure 3.2.34-1: PublishInDirectory

Element/@Attribute	Char	Description	Type

	PublishInDirectory		Indicates whether or not information should be published in a directory.	AUCodeSetsYesOrNoCategoryType

Table 3.2.34-1: PublishInDirectory

```
<PublishInDirectory>Y</PublishInDirectory>
```

Example 3.2.34-1: PublishInDirectory

3.2.35 Relationship

Code that defines the relationship of one person to another.

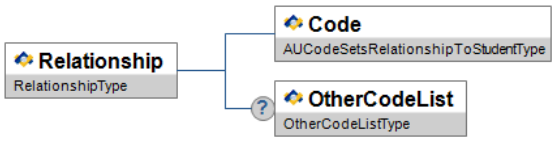


Figure 3.2.35-1: Relationship

	Element/@Attribute	Char	Description	Type
	Relationship		Code that defines the relationship of one person to another.	
	Code	M	Code representing the relationship.	AUCodeSetsRelationshipToStudentType
	OtherCodeList	O		OtherCodeList

Table 3.2.35-1: Relationship

```
<Relationship>
  <Code>01</Code>
</Relationship>
```

Example 3.2.35-1: Relationship

3.2.36 SchoolContactList

A list of contact persons associated with a school.

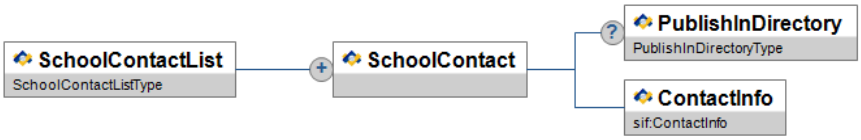


Figure 3.2.36-1: SchoolContactList

	Element/@Attribute	Char	Description	Type
	SchoolContactList		A list of contact persons associated with a school.	List
	SchoolContact	MR	Information on contact persons for this school.	
	SchoolContact/PublishInDirectory	O	Indicates whether or not this school contact's information should be published in a directory of school information.	PublishInDirectory
	SchoolContact/ContactInfo	M		ContactInfo

Table 3.2.36-1: SchoolContactList

```
<SchoolContactList>
  <SchoolContact>
    <PublishInDirectory>Y</PublishInDirectory>
    <ContactInfo>
      <Name Type="LGL">
        <FamilyName>Woodall</FamilyName>
        <GivenName>Charles</GivenName>
        <MiddleName>William</MiddleName>
      </Name>
      <PositionTitle>Superintendent</PositionTitle>
      <EmailList>
        <Email Type="01">drseuss@whoville.k12.state.us</Email>
      </EmailList>
      <PhoneNumberList>
        <PhoneNumber Type="0096">
          <Number>(08) 8555-0102</Number>
        </PhoneNumber>
      </PhoneNumberList>
    </ContactInfo>
  </SchoolContact>
```

```
</SchoolContactList>
```

Example 3.2.36-1: SchoolContactList

3.2.37 SchoolURL

URL for a school.

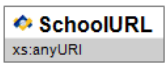


Figure 3.2.37-1: SchoolURL

Element/@Attribute	Char	Description	Type
SchoolURL		URL for a school.	`xs:anyURI`

Table 3.2.37-1: SchoolURL

```
<SchoolURL>http://www.lincolnhs.edu</SchoolURL>
```

Example 3.2.37-1: SchoolURL

3.2.38 SchoolYear

Common element used to designate the academic school year to which an object relates.

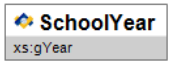


Figure 3.2.38-1: SchoolYear

Element/@Attribute	Char	Description	Type
SchoolYear		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2009").	`xs:gYear`

Table 3.2.38-1: SchoolYear

```
<SchoolYear>2005</SchoolYear>
```

Example 3.2.38-1: SchoolYear

3.2.39 SIF_Metadata

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.

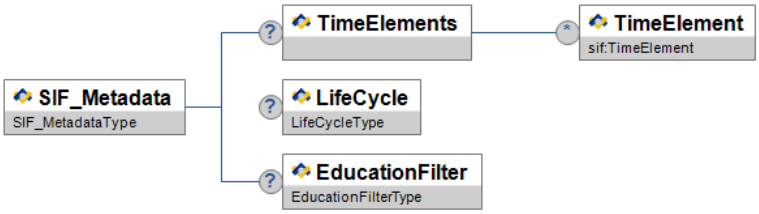


Figure 3.2.39-1: SIF_Metadata

Element/@Attribute	Char	Description	Type
SIF_Metadata		A commonly defined container for metadata elements defined within SIF.	

	TimeElements	O		List
	TimeElements/TimeElement	OR		TimeElement
	LifeCycle	O		LifeCycle
	EducationFilter	O		EducationFilter

Table 3.2.39-1: SIF_Metadata

3.2.40 StateProvince

A state or province code. Note: When dealing with countries other than Australia, state/province codes/values other than those referenced here can be used.

Figure 3.2.40-1: StateProvince

	Element/@Attribute	Char	Description	Type
	StateProvince		A state or province code. Note: When dealing with countries other than Australia, state/province codes/values other than those referenced here can be used.	**union of:** AUCodeSetsStateTerritoryCodeType xs:token

Table 3.2.40-1: StateProvince

```
<StateProvince>ACT</StateProvince>
```

Example 3.2.40-1: StateProvince

3.2.41 StateProvinceId

This is a common element used to define the state or province assigned identifier associated with an entity.

Figure 3.2.41-1: StateProvinceId

	Element/@Attribute	Char	Description	Type
	StateProvinceId		The identifier for this entity as assigned by the state or province.	xs:normalizedString

Table 3.2.41-1: StateProvinceId

```
<StateProvinceId>L65432765</StateProvinceId>
```

Example 3.2.41-1: StateProvinceId

3.2.42 SubjectArea

Subject matter.

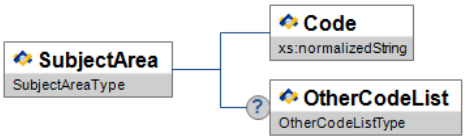


Figure 3.2.42-1: SubjectArea

	Element/@Attribute	Char	Description	Type
	SubjectArea		Subject matter.	
	Code	M	The subject area details	xs:normalizedString
	OtherCodeList	O		OtherCodeList

Table 3.2.42-1: SubjectArea

```
<SubjectArea>
  <Code>05</Code>
  <OtherCodeList>
    <OtherCode Codeset="Text">Graphic Arts</OtherCode>
  </OtherCodeList>
</SubjectArea>
```

Example 3.2.42-1: SubjectArea

3.2.43 SubjectAreaList

A list of subject areas.

Figure 3.2.43-1: SubjectAreaList

Element/@Attribute	Char	Description	Type
SubjectAreaList		A list of subject areas.	List
SubjectArea	MR	Subject matter.	SubjectArea

Table 3.2.43-1: SubjectAreaList

```
<SubjectAreaList>
  <SubjectArea>
    <Code>05</Code>
    <OtherCodeList>
      <OtherCode Codeset="Text">Graphic Arts</OtherCode>
      <OtherCode Codeset="Local">GRA</OtherCode>
    </OtherCodeList>
  </SubjectArea>
  <SubjectArea>
    <Code>06</Code>
    <OtherCodeList>
      <OtherCode Codeset="Text">Visual Arts</OtherCode>
    </OtherCodeList>
  </SubjectArea>
</SubjectAreaList>
```

Example 3.2.43-1: SubjectAreaList

3.2.44 TimeElement

A common metadata element designed to contain time data, both self-defined and by type.

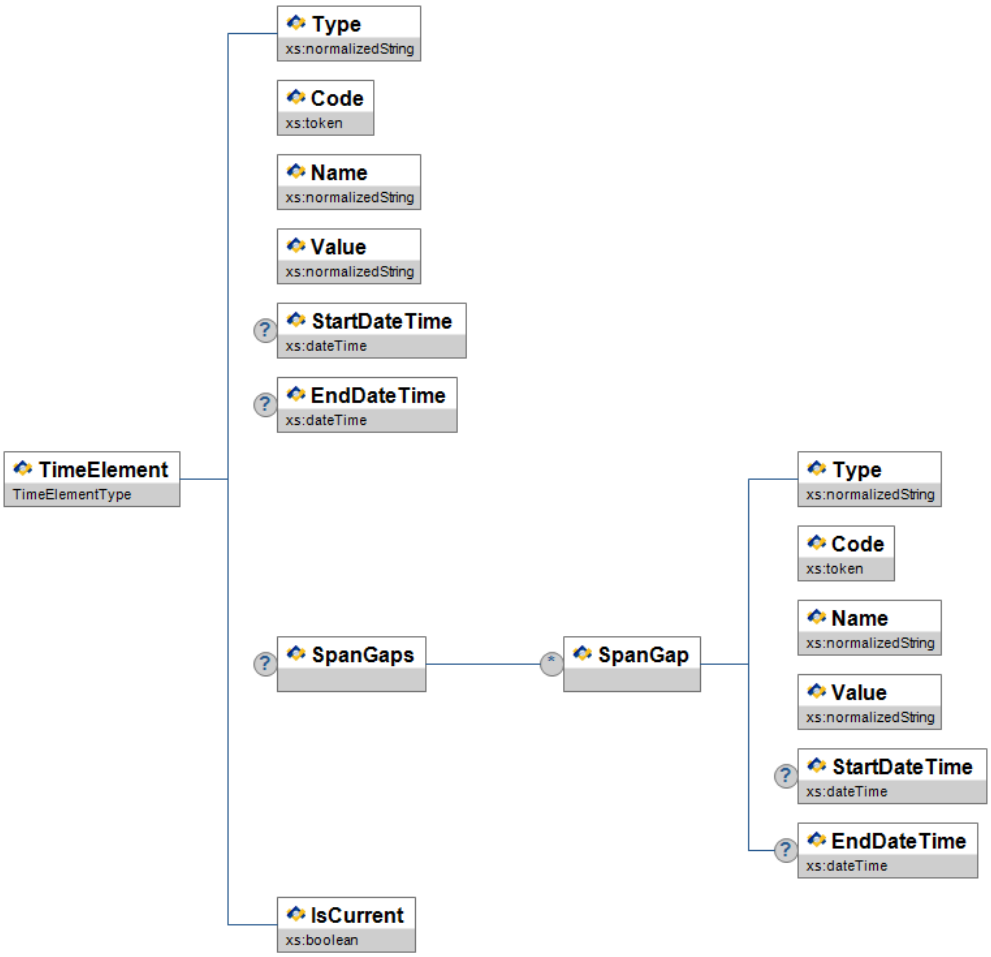


Figure 3.2.44-1: TimeElement

Element/@Attribute	Char	Description	Type
TimeElement		A common metadata element designed to contain time data, both self-defined and by 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.	`List`
SpanGaps/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.	

	SpanGaps/SpanGap/Type	M		xs:normalizedString
	SpanGaps/SpanGap/Code	M		xs:token
	SpanGaps/SpanGap/Name	M		xs:normalizedString
	SpanGaps/SpanGap/Value	M		xs:normalizedString
	SpanGaps/SpanGap/StartDateTime	O		xs:dateTime
	SpanGaps/SpanGap/EndDateTime	O		xs:dateTime
	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 3.2.44-1: TimeElement

```
<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 3.2.44-1: TimeElement

3.2.45 YearLevel

Figure 3.2.45-1: YearLevel

	Element/@Attribute	Char	Description	Type
	YearLevel		Year or academic level.	
	Code	M	Code representing the year level.	AUCodeSetsYearLevelCodeType

Table 3.2.45-1: YearLevel

```
<YearLevel>
  <Code>8</Code>
</YearLevel>
```

Example 3.2.45-1: YearLevel

3.2.46 YearLevels

List of year levels.

Figure 3.2.46-1: YearLevels

	Element/@Attribute	Char	Description	Type
	YearLevels		List of year levels.	List
	YearLevel	MR		YearLevel

Table 3.2.46-1: YearLevels

```
<YearLevels>
  <YearLevel>
    <Code>5</Code>
  </YearLevel>
  <YearLevel>
    <Code>6</Code>
  </YearLevel>
  <YearLevel>
    <Code>7</Code>
  </YearLevel>
  <YearLevel>
    <Code>8</Code>
  </YearLevel>
</YearLevels>
```

Example 3.2.46-1: YearLevels

3.3 SIF AU

The introduction for the SIF AU data model.

3.3.1 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.

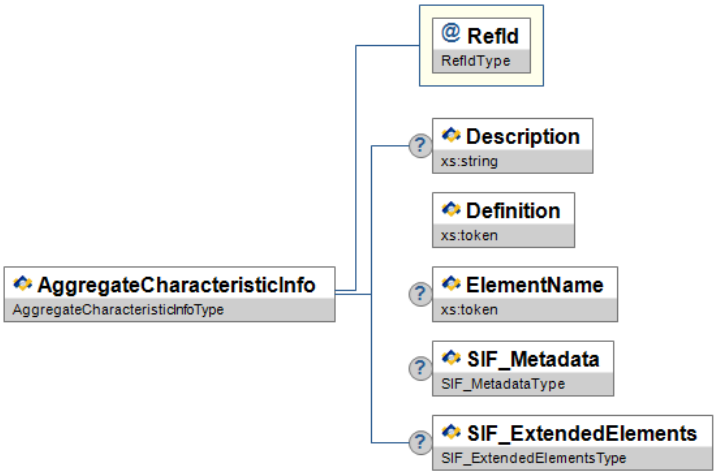


Figure 3.3.1-1: AggregateCharacteristicInfo

	Element/@Attribute	Char	Description	Type
	AggregateCharacteristicInfo		This object defines the attribute of a group of objects that implicitly or explicitly defines a subset of the group.	
@	RefId	M	Key for aggregate characteristic information.	`RefIdType`

	Description	O	Describes the supercategory of the characteristic described in the `Definition` element below.
			
			Examples
			`Sex`
			`CulturalBackground`
			`YearLevel`
			`IndigenousStatus`
				`xs:string`

	Definition	M	Defines the aggregate characteristic information.
			
			Examples
			`LBOTE`
			`Male`
				`xs:token`

	ElementName	O	Reference to SIF elements or external authority (e.g., `StudentPersonal/PersonInfo/Demographics/Sex`). **Examples** `Dropout Status`	`xs:token`
	SIF_Metadata	O		`SIF_Metadata`
	SIF_ExtendedElements	O		`SIF_ExtendedElements`

Table 3.3.1-1: AggregateCharacteristicInfo

```
<AggregateCharacteristicInfo RefId="06AF1D69FB064AB388983505714F18FB">
  <Description>Sex</Description>
  <ElementName>StudentPersonal/PersonInfo/Demographics/Sex</ElementName>
</AggregateCharacteristicInfo>
```

Example 3.3.1-1: AggregateCharacteristicInfo

3.3.2 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.

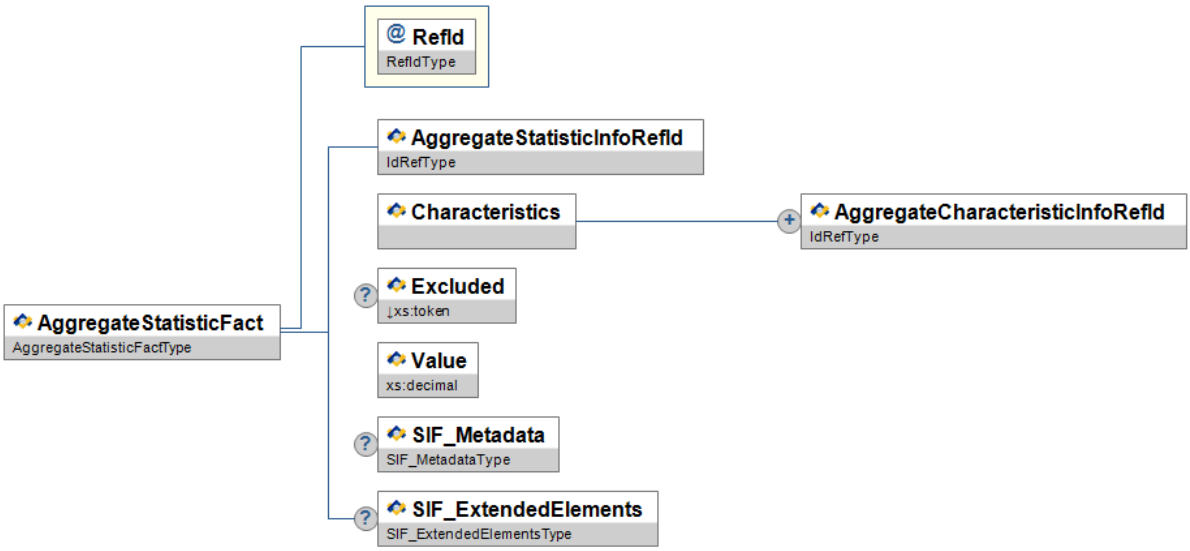


Figure 3.3.2-1: AggregateStatisticFact

	Element/@Attribute	Char	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.	`List`
	Characteristics/AggregateCharacteristicInfoRefId	MR	Reference to an `AggregateCharacteristicInfo` object.	`IdRefType`

	Excluded	O		**values:**
				`Yes`
				`No`

	Value	M	Value of the fact.	`xs:decimal`
	SIF_Metadata	O		`SIF_Metadata`
	SIF_ExtendedElements	O		`SIF_ExtendedElements`

Table 3.3.2-1: AggregateStatisticFact

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

Example 3.3.2-1: AggregateStatisticFact

3.3.3 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.

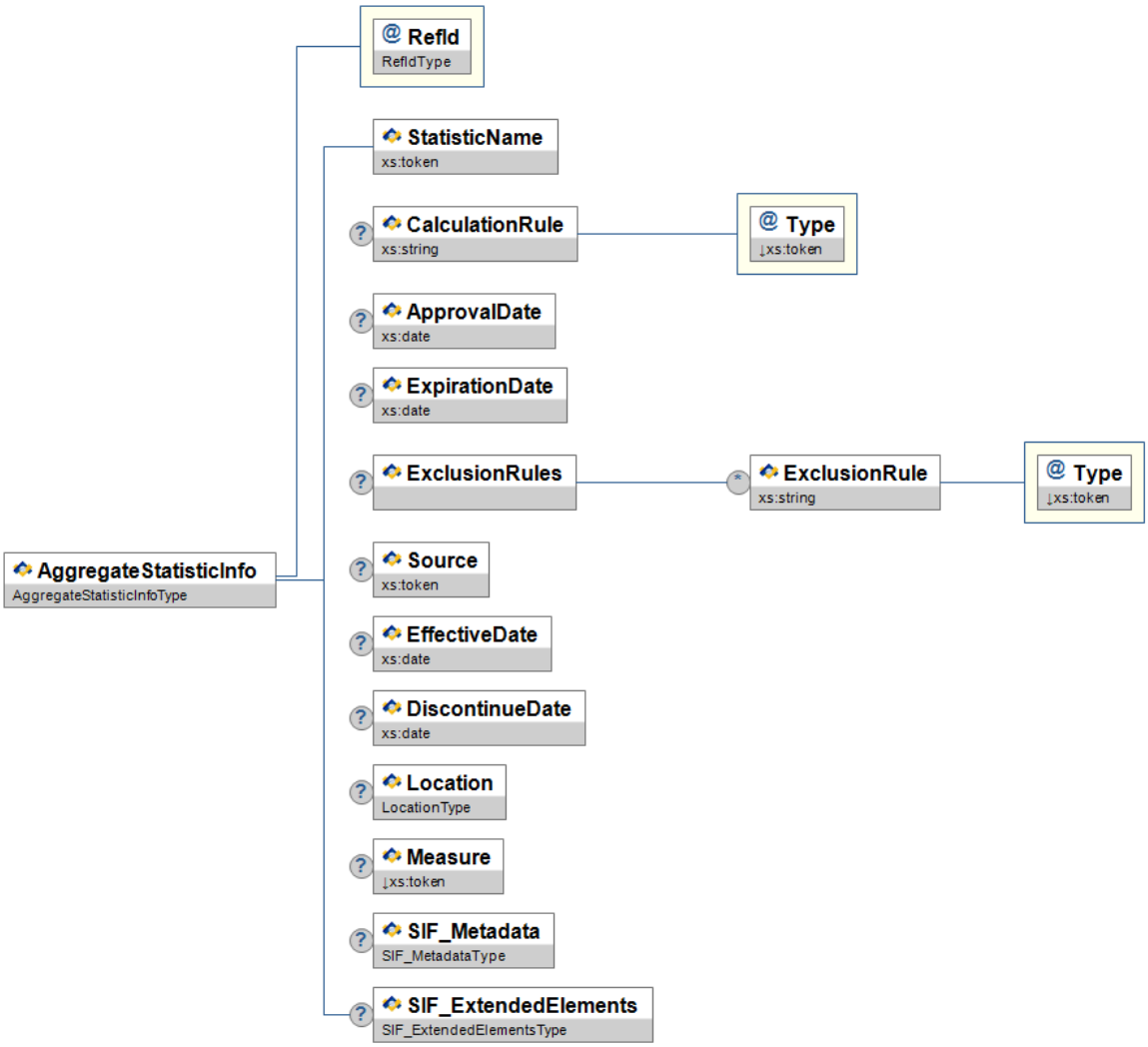


Figure 3.3.3-1: AggregateStatisticInfo

	Element/@Attribute	Char	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	`xs:string`

@	Type	M		**values:**
				
				`Description`
				`Formula`
				`URL`
				`Other`

	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.	`List`
	ExclusionRules/ExclusionRule	OR	Rule for which statistic may not be reported	`xs:string`

@	Type	M		**values:**
				
				`SampleSize`
				`Description`

	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	Location where the activity takes place.	Location
	Measure	O	Type of the statistic.	**values:** Count Minimum Maximum Percent Mean Median Mode Sum StandardDeviation UnduplicatedCount FTE Other
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.3-1: AggregateStatisticInfo

```
<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 3.3.3-1: AggregateStatisticInfo

3.3.4 Assessment

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

SIF_Events are not reported for this object.

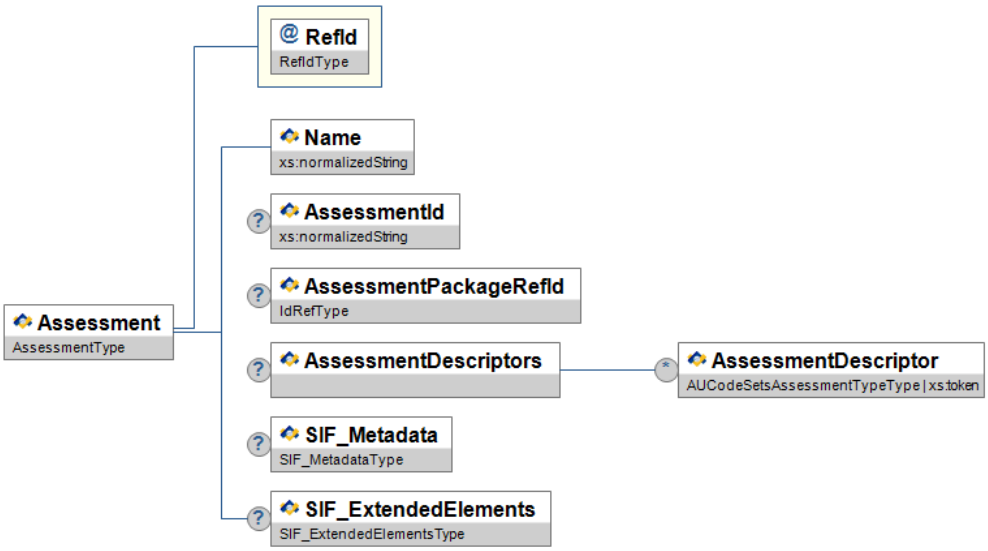


Figure 3.3.4-1: Assessment

	Element/@Attribute	Char	Description	Type
	Assessment			
@	RefId	M	The GUID that uniquely identifies this object.	RefIdType
	Name	M	Name of the test.	xs:normalizedString
	AssessmentId	O	The state, local or publisher unique Id for the assessment.	xs:normalizedString

	AssessmentPackageRefId	O		IdRefType
	AssessmentDescriptors	O	Describes what type of assessment this represents.	List
	AssessmentDescriptors/AssessmentDescriptor	OR		**union of:** AUCodeSetsAssessmentTypeType **additional values:** Statewide Formative Local Summative Diagnostic Benchmark
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.4-1: Assessment

```
<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 3.3.4-1: Assessment

3.3.5 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.

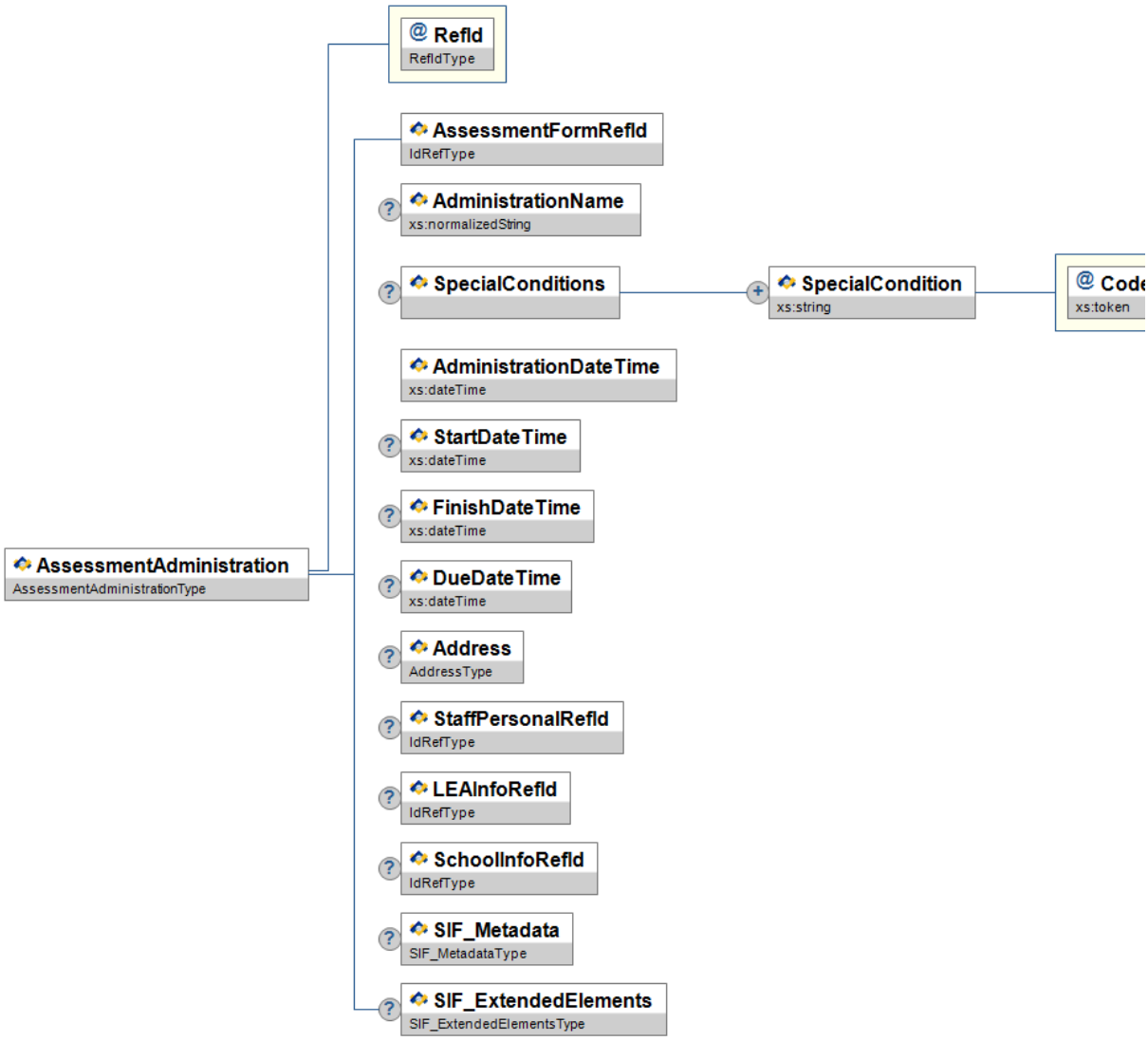


Figure 3.3.5-1: AssessmentAdministration

	Element/@Attribute	Char	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		`xs:normalizedString`
	SpecialConditions	O	Special conditions or unusual events related to the administration event.	`ActionList (SpecialCondition/@Code)`

	SpecialConditions/SpecialCondition	MR	A text description of the special condition.
			
			Examples
			`Fire drill during test.`
			`Air conditioning broke during the request.`
			`Assessment was given over three days instead of in one sitting.`
				`xs:string`

@	Code	M	This is the primary key for the list of special conditions.	`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`
	AdministrationDateTime	M	Date and time the test is scheduled to be given.	`xs:dateTime`
	StartDateTime	O	Date and time testing begins.	`xs:dateTime`

	FinishDateTime	O	Date and time testing ends.	xs:dateTime
	DueDateTime	O	Date and time test is due.	xs:dateTime
	Address	O	Address of the location where the administration takes place.	Address
	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_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.5-1: AssessmentAdministration

```
<AssessmentAdministration RefId="E2E8045FD8884745AC588F1DDDBEE864">
  <AssessmentFormRefId>78DA3F367AAE4E34995CE15530F531CC</AssessmentFormRefId>
  <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 3.3.5-1: AssessmentAdministration

3.3.6 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.

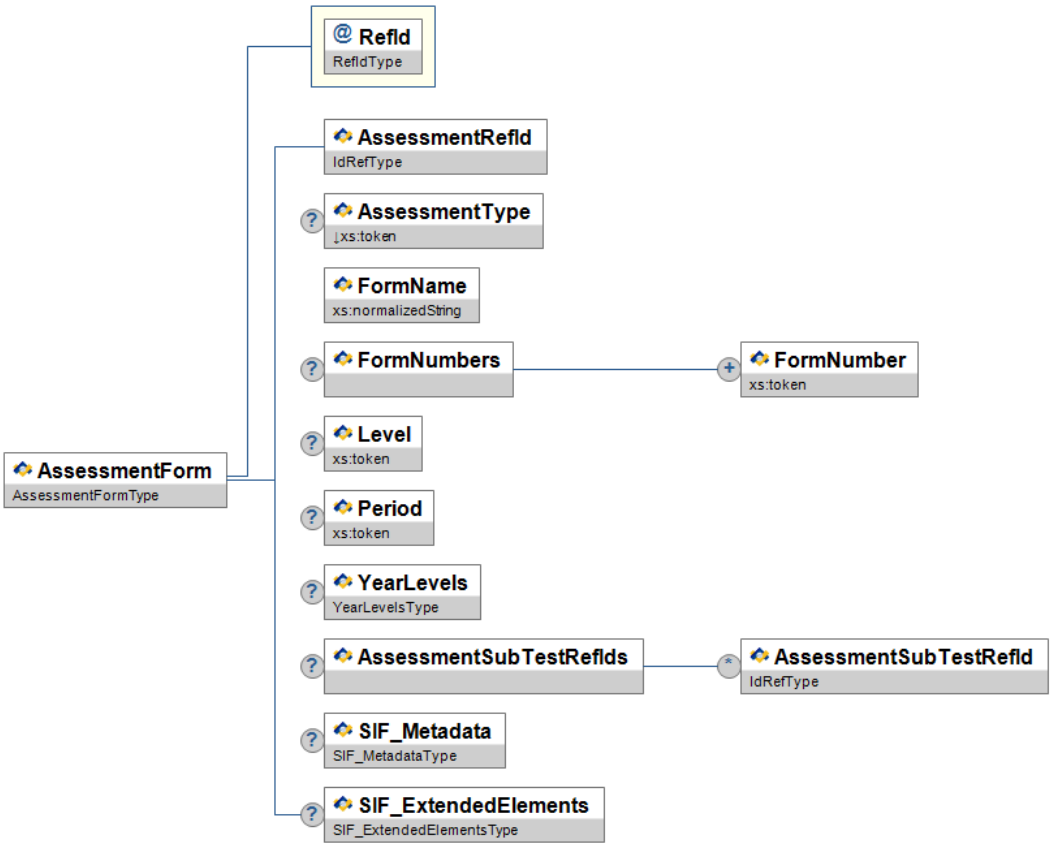


Figure 3.3.6-1: AssessmentForm

	Element/@Attribute	Char	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	Indicates whether this assessment (form) is a standard administration or alternate.	**values:** standard alternate
	FormName	M	Text description for this particular arrangement of questions, etc.	xs:normalizedString
	FormNumbers	O	Reference numbers for the form.	List
	FormNumbers/FormNumber	MR	Reference number for the form.	xs:token
	Level	O	Indicates the level of the form. **Examples** Year 3 Leveling System	xs:token
	Period	O	The time period in which the form is intended to be administered.	xs:token
	YearLevels	O	Year levels this assessment is designed to evaluate.	YearLevels
	AssessmentSubTestRefIds	O	Associated subtests (score types). Each form can provide scores in one or more subtest areas.	List
	AssessmentSubTestRefIds/AssessmentSubTestRefId	OR	A subtest identified by RefId.	IdRefType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.6-1: AssessmentForm

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

Example 3.3.6-1: AssessmentForm

3.3.7 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.

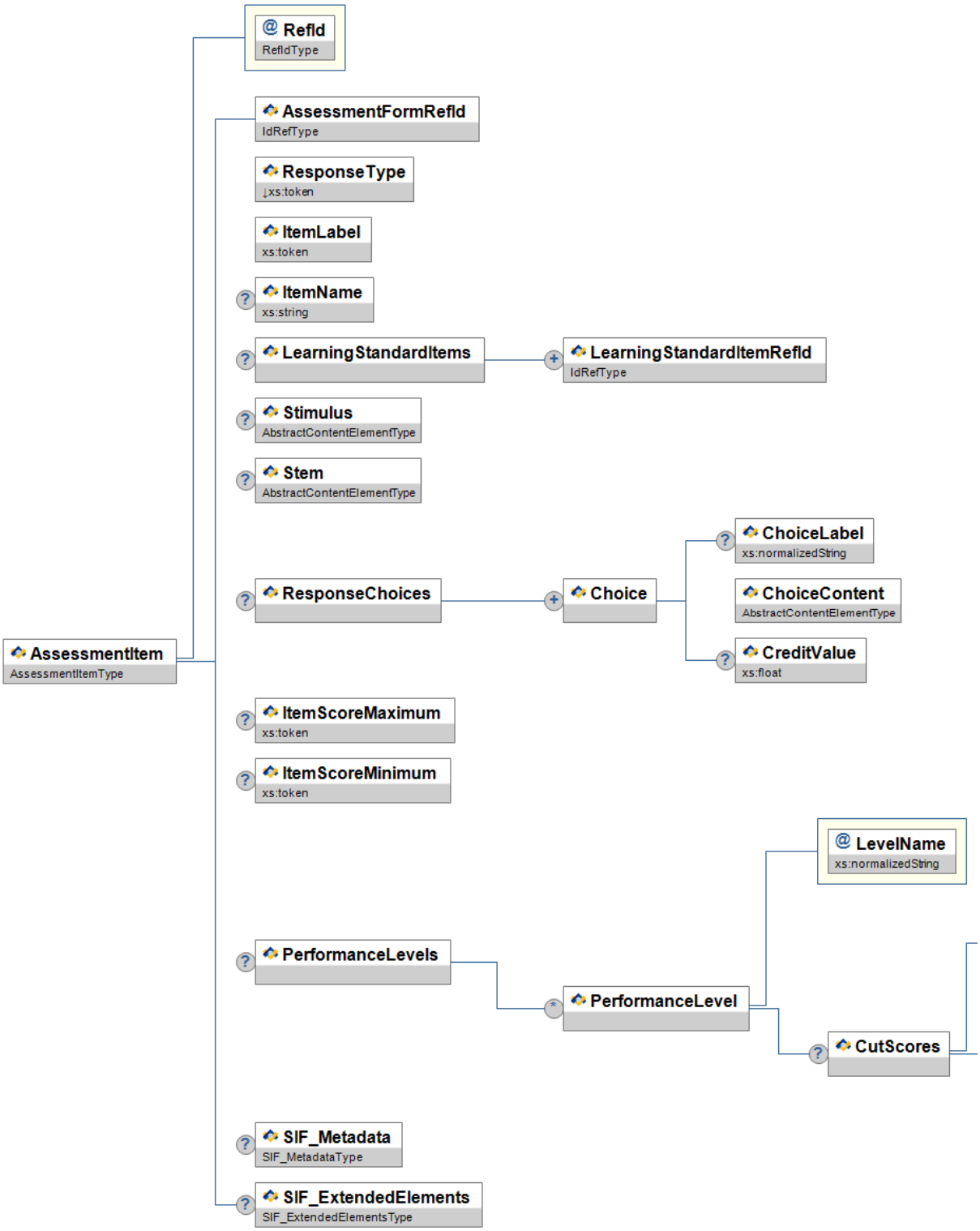


Figure 3.3.7-1: AssessmentItem

	Element/@Attribute	Char	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	A value that indicates the response type for the item. Note: the multiple-multiple choice value means that there is a multiple choice question, for	**values:**

			which more than one choice is acceptable.	`multiple-choice`
				`multiple-multiple choice`
				`true-false`
				`fill-in-the-blank`
				`short-answer`
				`essay`

	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	Name or short description of the item.	`xs:string`
	LearningStandardItems	O	This object contains information related to curriculum standards statements "standards" or "benchmarks" or the like within the document. Each `LearningStandardItemRefId` reflects an individual standard statement and may occur at several levels within a hierarchially structured document.	`List`
	LearningStandardItems/LearningStandardItemRefId	MR		`IdRefType`
	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.	
	ResponseChoices/Choice	MR		
	ResponseChoices/Choice/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`
	ResponseChoices/Choice/ChoiceContent	M	The text of the choice, such as `true`, `27`, or `Important economic and social factors`.	`AbstractContentElementType`
	ResponseChoices/Choice/CreditValue	O	A numeric value that indicates the amount of credit awarded for choosing the choice.	`xs:float`
	ItemScoreMaximum	O	The maximum item score possible for this item.	`xs:token`
	ItemScoreMinimum	O	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.	`List`
	PerformanceLevels/PerformanceLevel	OR	Defines cut scores for placing students in an appropriate performance level.	
@	LevelName	M	The name of the performance level.	`xs:normalizedString`
	PerformanceLevels/PerformanceLevel/ CutScores	O	Score bounds for the performance level.	
@	ScoreMetric	M	The metric or scale used to report the scores.	`AUCodeSetsAssessmentReportingMethodType`
	PerformanceLevels/PerformanceLevel/ CutScores/LowerCut	O	Lower bound for the performance level.	`xs:token`
	PerformanceLevels/PerformanceLevel/ CutScores/UpperCut	O	Upper bound for the performance level.	`xs:token`
	SIF_Metadata	O		`SIF_Metadata`
	SIF_ExtendedElements	O		`SIF_ExtendedElements`

Table 3.3.7-1: AssessmentItem

```
<AssessmentItem RefId="C294F3E190F019AD8E1DFC8367537EC8">
  <AssessmentFormRefId>9372CB8EA910FF87D5672CAEF01387AA</AssessmentFormRefId>
  <ResponseType>multiple-choice</ResponseType>
  <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 3.3.7-1: AssessmentItem - Example 1

```
<AssessmentItem RefId="C294F3E190F019AD8E1DFC8367537EC8">
  <AssessmentFormRefId>9372CB8EA910FF87D5672CAEF01387AA</AssessmentFormRefId>
  <ResponseType>multiple-choice</ResponseType>
  <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 3.3.7-2: AssessmentItem - Example 2

3.3.8 AssessmentPackage

SIF_Events are not reported for this object.

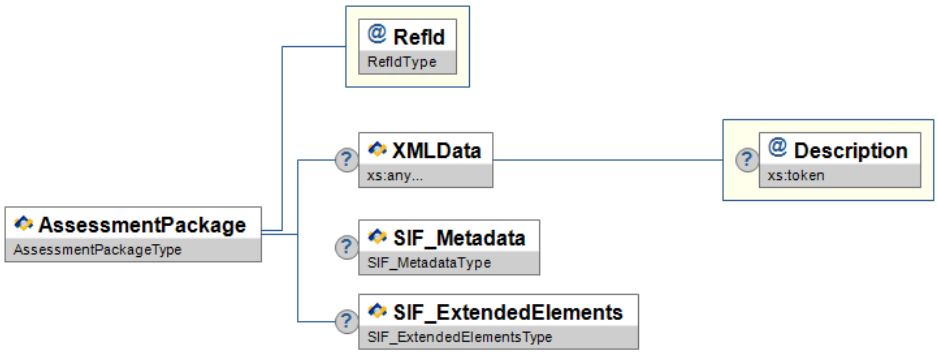


Figure 3.3.8-1: AssessmentPackage

	Element/@Attribute	Char	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.	`<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).	`xs:token`
	SIF_Metadata	O		`SIF_Metadata`
	SIF_ExtendedElements	O		`SIF_ExtendedElements`

Table 3.3.8-1: AssessmentPackage

```
<AssessmentPackage RefId="495A00194CA340E3A33777B42E59C4F2">
  <XMLData Description="Assessment">...</XMLData>
</AssessmentPackage>
```

Example 3.3.8-1: AssessmentPackage

3.3.9 AssessmentRegistration

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

SIF_Events are reported for this object.

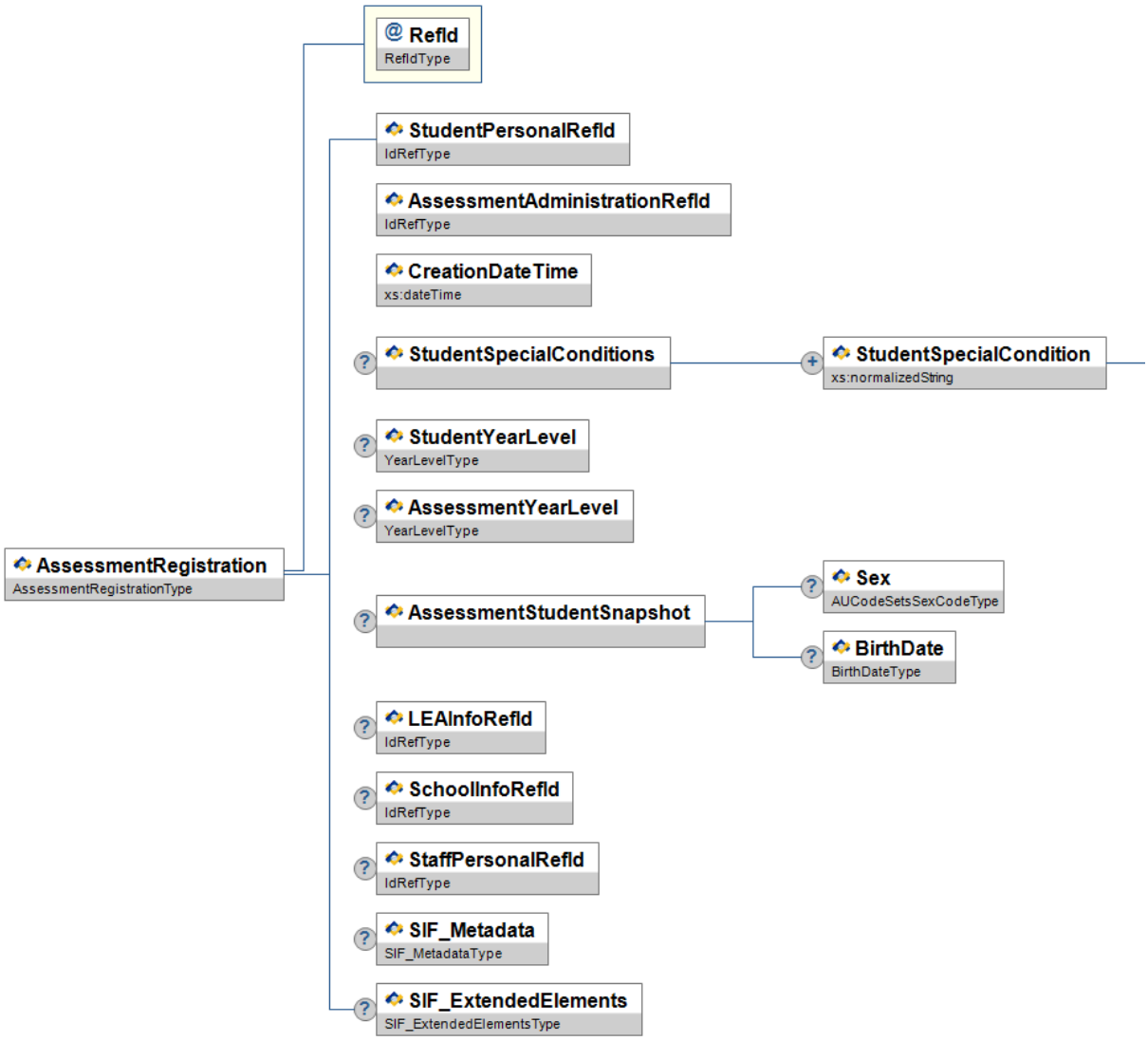


Figure 3.3.9-1: AssessmentRegistration

	Element/@Attribute	Char	Description	Type
	AssessmentRegistration		This object represents the assignment of a specific assessment to be taken by a student.	
@	RefId	M	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.	`List`
	StudentSpecialConditions/ StudentSpecialCondition	MR	A description of the special condition. Student special conditions are different from special conditions of the test.	`xs:normalizedString`
@	Code	M	A code indicating the type of special condition.	`xs:token`
	StudentYearLevel	O	Year level of the student at the time of testing.	`YearLevel`
	AssessmentYearLevel	O	The Year or level at which the student is to be tested. This element should be omitted unless the student is being tested out-of-level.	`YearLevel`

	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.	
	AssessmentStudentSnapshot/ Sex	O	Person's gender.	AUCodeSetsSexCodeType
	AssessmentStudentSnapshot/ BirthDate	O	The person's date of birth.	BirthDate
	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
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.9-1: AssessmentRegistration

```
<AssessmentRegistration RefId="84243B2716EA4A68889B57A07E3707C9">
  <StudentPersonalRefId>0D015F74DAB645FD92EFA8F43F2D79C3</StudentPersonalRefId>
  <AssessmentAdministrationRefId>6B08DF6E158941D9B8206D16E1FA6219</AssessmentAdministrationRefId>
  <CreationDateTime>2006-03-05T09:30:00-05:00</CreationDateTime>
  <StudentSpecialConditions>
    <StudentSpecialCondition Code="45C">Student became ill during test.</StudentSpecialCondition>
  </StudentSpecialConditions>
  <StudentYearLevel>
    <Code>4</Code>
  </StudentYearLevel>
  <AssessmentYearLevel>
    <Code>3</Code>
  </AssessmentYearLevel>
  <AssessmentStudentSnapshot>
    <Sex>2</Sex>
    <BirthDate>1996-09-12</BirthDate>
  </AssessmentStudentSnapshot>
  <LEAInfoRefId>3253335F330A24BCD85E263E5C1EAAF89</LEAInfoRefId>
  <SchoolInfoRefId>0578B825250649DE930BF8916175BBAB</SchoolInfoRefId>
  <StaffPersonalRefId>3CD4A20CE2D64C27AE977F02D2CE24B3</StaffPersonalRefId>
</AssessmentRegistration>
```

Example 3.3.9-1: AssessmentRegistration

3.3.10 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.

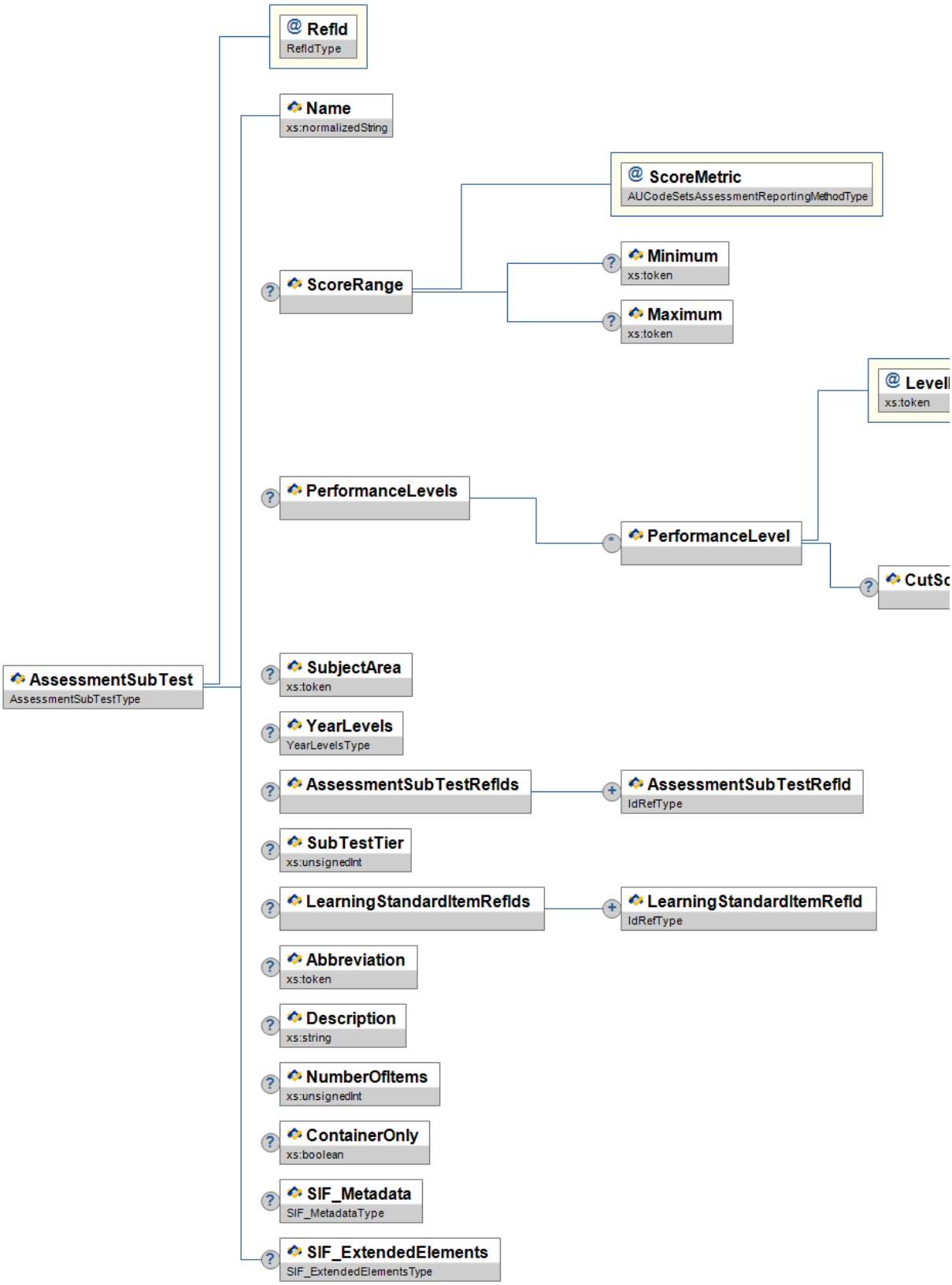


Figure 3.3.10-1: AssessmentSubTest

	Element/@Attribute	Char	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	The GUID that uniquely identifies an instance of the object.	RefIdType
	Name	M	Text name of the subtest.	xs:normalizedString
	ScoreRange	O	The possible range of scores.	
@	ScoreMetric	M	The metric or scale used to report the scores.	AUCodeSetsAssessmentReportingMethodType
	ScoreRange/Minimum	O	Lowest possible score value.	xs:token
	ScoreRange/Maximum	O	Highest possible score value.	xs:token
	PerformanceLevels	O	Container for performance level elements.	List
	PerformanceLevels/PerformanceLevel	OR	Defines cut scores for placing students in appropriate performance levels.	
@	LevelName	M	The name of the performance level.	xs:token
	PerformanceLevels/PerformanceLevel/ CutScores	O	Score bounds for the performance level.	
@	ScoreMetric	M	The metric or scale used to report the scores.	AUCodeSetsAssessmentReportingMethodType
	PerformanceLevels/PerformanceLevel/ CutScores/LowerCut	O	Lower bound for the performance level.	xs:token
	PerformanceLevels/PerformanceLevel/ CutScores/UpperCut	O	Upper bound for the performance level.	xs:token
	SubjectArea	O	Content area covered by the score.	xs:token
	YearLevels	O	Year levels for which the score is valid.	YearLevels
	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.	List
	AssessmentSubTestRefIds/AssessmentSubTestRefId	MR	A reference to an AssessmentSubTest by RefId.	IdRefType
	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.	List
	LearningStandardItemRefIds/ LearningStandardItemRefId	MR	A reference to a LearningStandardItem by RefId.	IdRefType
	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	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	This element records the number of items included on the assessment. This number may be different than the possible score.	xs:unsignedInt
	ContainerOnly	O	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_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.10-1: AssessmentSubTest

```
<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>
  <YearLevels>
    <YearLevel>
      <Code>3</Code>
    </YearLevel>
  </YearLevels>
  <AssessmentSubTestRefIds>
    <AssessmentSubTestRefId>4710A15C428C48EBBC17CF320B6DCF25</AssessmentSubTestRefId>
  </AssessmentSubTestRefIds>
  <SubTestTier>0</SubTestTier>
  <LearningStandardItemRefIds>
    <LearningStandardItemRefId>3E4BEBCA14E54A118051DFA239A65990</LearningStandardItemRefId>
  </LearningStandardItemRefIds>
</AssessmentSubTest>
```

Example 3.3.10-1: AssessmentSubTest

3.3.11 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.

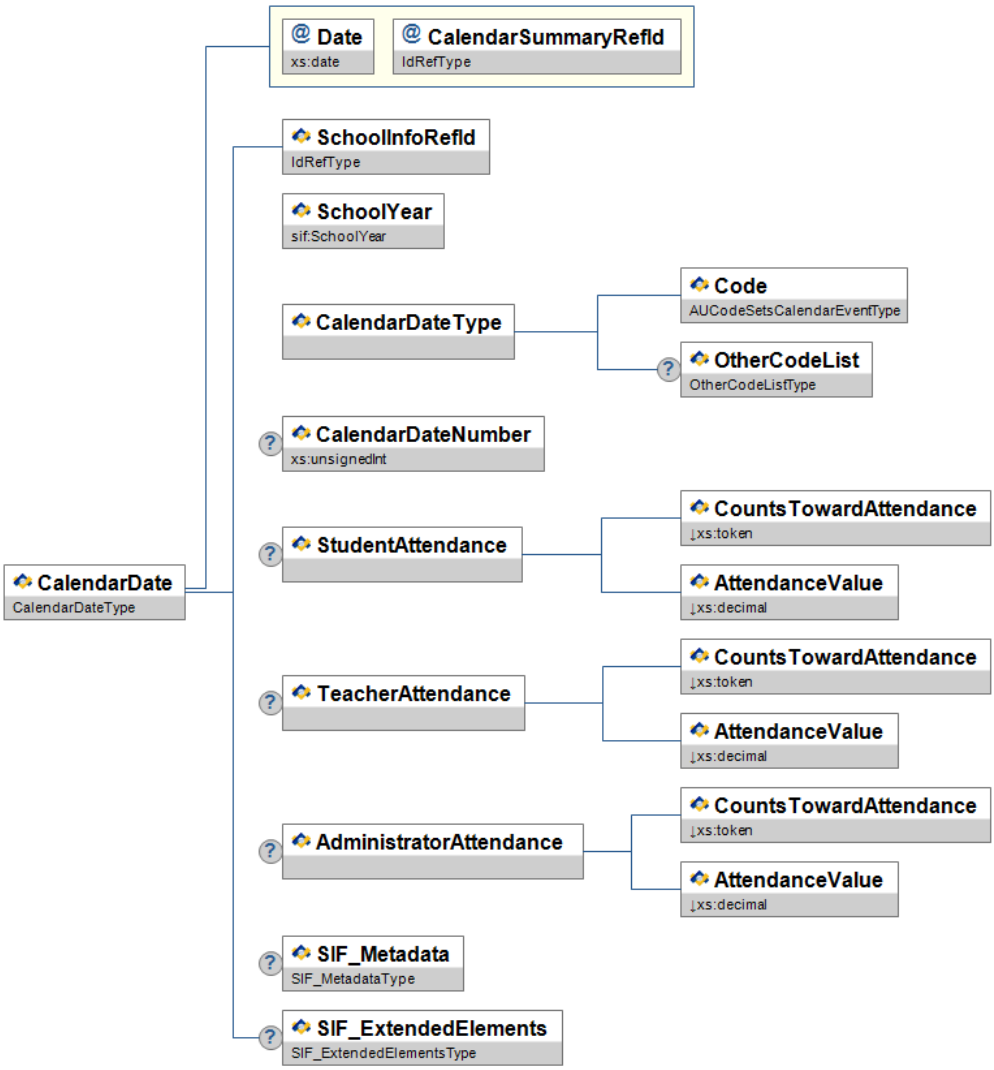


Figure 3.3.11-1: CalendarDate

	Element/@Attribute	Char	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.	
@	Date	M	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., "2009").	SchoolYear
	CalendarDateType	M	Calendar date type information.	
	CalendarDateType/Code	M	Code indicating the type of school day.	AUCodeSetsCalendarEventType
	CalendarDateType/OtherCodeList	O		OtherCodeList
	CalendarDateNumber	O	Order in which the calendar date falls within the school calendar.	xs:unsignedInt
	StudentAttendance	O	Information describing how the day relates to student attendance.	
	StudentAttendance/CountsTowardAttendance	M	Designates whether this date should be counted toward student attendance.	**values:** Yes No
	StudentAttendance/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
	TeacherAttendance	O	Information describing how the day relates to teacher attendance.	
	TeacherAttendance/CountsTowardAttendance	M	Designates whether this date should be counted toward teacher attendance.	**values:** Yes No
	TeacherAttendance/AttendanceValue	M	Amount of the school day in which the teacher should be in attendance (format is x.x; a teacher who should be in attendance a full day would be represented as 1.0).	xs:decimal xs:minInclusive 0 xs:maxInclusive 1 xs:fractionDigits 1
	AdministratorAttendance	O	Information describing how the day relates to administrator attendance.	
	AdministratorAttendance/CountsTowardAttendance	M	Designates whether this date should be counted toward administrator attendance.	**values:** Yes No
	AdministratorAttendance/AttendanceValue	M	Amount of the school day in which the administrator should be in attendance (format is x.x; an administrator who should be in attendance a full day would be represented as 1.0).	xs:decimal xs:minInclusive 0 xs:maxInclusive 1 xs:fractionDigits 1
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.11-1: CalendarDate

```
<CalendarDate Date="2007-08-31" CalendarSummaryRefId="B5739375800AC4CC63850BB2754114AA">
  <SchoolInfoRefId>B7A34E561C97345C0A4E11BB112B2753</SchoolInfoRefId>
  <SchoolYear>2007</SchoolYear>
  <CalendarDateType>
    <Code>INST</Code>
  </CalendarDateType>
  <StudentAttendance>
    <CountsTowardAttendance>Yes</CountsTowardAttendance>
    <AttendanceValue>1.0</AttendanceValue>
  </StudentAttendance>
  <TeacherAttendance>
    <CountsTowardAttendance>Yes</CountsTowardAttendance>
    <AttendanceValue>1.0</AttendanceValue>
  </TeacherAttendance>
</CalendarDate>
```

Example 3.3.11-1: CalendarDate

3.3.12 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.

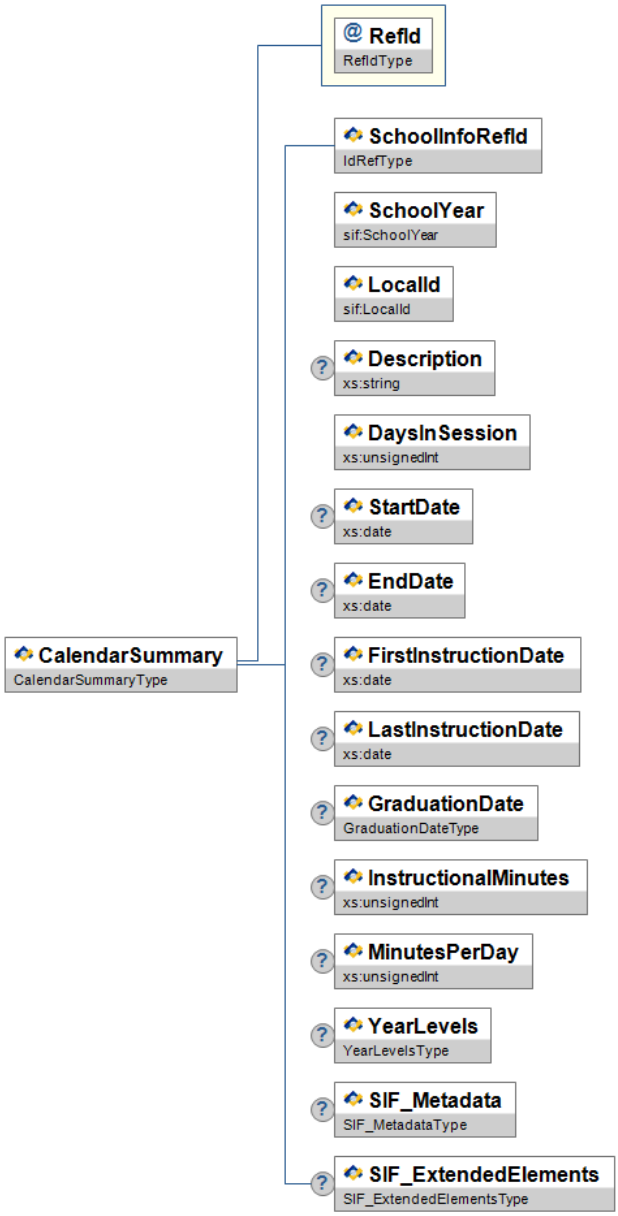


Figure 3.3.12-1: CalendarSummary

	Element/@Attribute	Char	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	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2007").	`SchoolYear`
	LocalId	M	The locally assigned identifier for this calendar.	`LocalId`
	Description	O	Textual description of the school calendar.	`xs:string`
	DaysInSession	M	The total number of days that the school was or is anticipated to be in session during the school year. Also	`xs:unsignedInt`

			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.	
	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	The first day of student instruction.	`xs:date`
	LastInstructionDate	O	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.	`GraduationDate`
	InstructionalMinutes	O	The total number of instructional minutes for this calendar for the school year.	`xs:unsignedInt`
	MinutesPerDay	O	The number of minutes in the day in which the school is normally in session.	`xs:unsignedInt`
	YearLevels	O	Collection of year levels applicable to this school calendar.	`YearLevels`
	SIF_Metadata	O		`SIF_Metadata`
	SIF_ExtendedElements	O		`SIF_ExtendedElements`

Table 3.3.12-1: CalendarSummary

```
<CalendarSummary RefId="B5739375800AC4CC63850BB2754114AA">
  <SchoolInfoRefId>B7A34E561C97345C0A4E11BB112B2753</SchoolInfoRefId>
  <SchoolYear>2005</SchoolYear>
  <LocalId>123321A</LocalId>
  <Description>Elementary School Calendar</Description>
  <DaysInSession>180</DaysInSession>
  <StartDate>2009-01-01</StartDate>
  <EndDate>2009-12-31</EndDate>
  <FirstInstructionDate>2009-01-02</FirstInstructionDate>
  <LastInstructionDate>2009-12-20</LastInstructionDate>
  <GraduationDate>2009-12-10</GraduationDate>
  <InstructionalMinutes>64800</InstructionalMinutes>
  <MinutesPerDay>360</MinutesPerDay>
  <YearLevels>
    <YearLevel>
      <Code>10</Code>
    </YearLevel>
    <YearLevel>
      <Code>11</Code>
    </YearLevel>
    <YearLevel>
      <Code>12</Code>
    </YearLevel>
  </YearLevels>
</CalendarSummary>
```

Example 3.3.12-1: CalendarSummary

3.3.13 Identity

This object allows a system that stores network identities and/or passwords to share them with other applications through SIF. The provider of the `Identity` object may only support providing an identity or a password, or it may support both.

SIF_Events are reported for this object.

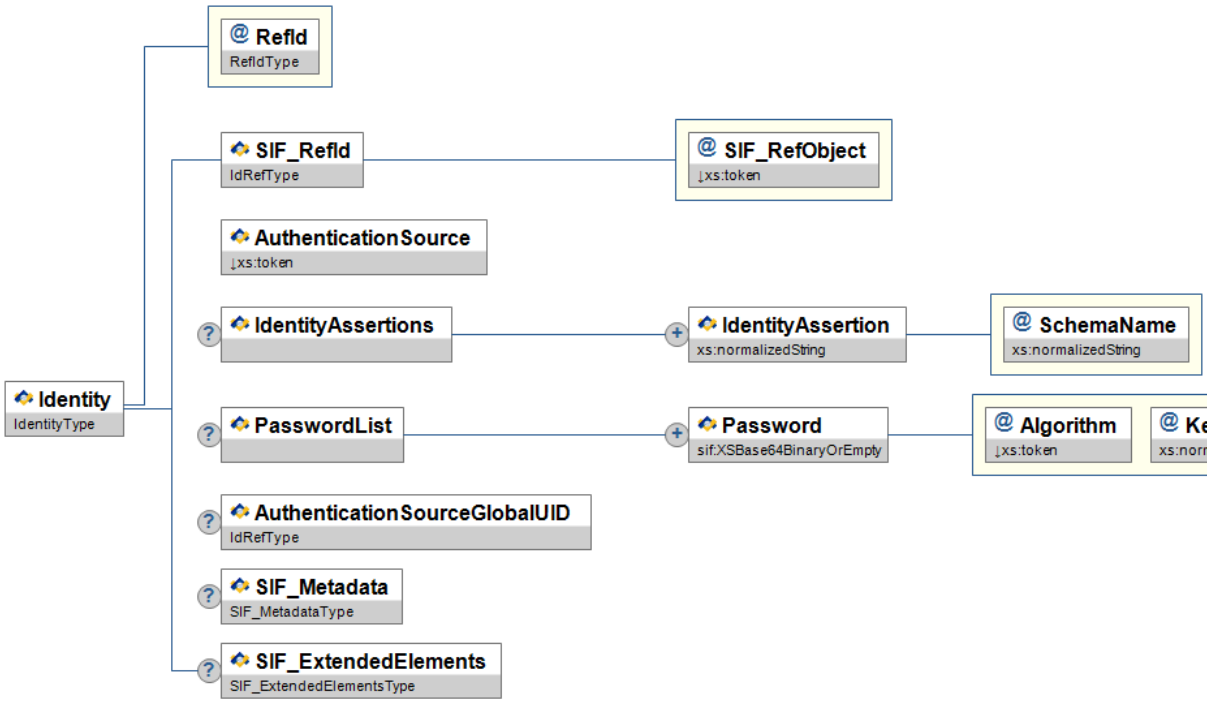


Figure 3.3.13-1: Identity

	Element/@Attribute	Char	Description	Type
	Identity		This object allows a system that stores network identities and/or passwords to share them with other applications through SIF. The provider of the `Identity` object may only support providing an identity or a password, or it may support both.	
@	RefId	M	The SIF RefId that uniquely identifies this object.	`RefIdType`
	SIF_RefId	M	The SIF RefId of a StudentPersonal, StaffPersonal, or StudentContactPersonal object.	`IdRefType`

@	SIF_RefObject	M	The type of SIF object that the `SIF_RefId` attribute identifies.	**values:**
				`StudentPersonal`
				`StaffPersonal`
				`StudentContactPersonal`

	AuthenticationSource	M	The type of source system that produced this `Identity` object.
			
			See implementation notes for provider requirements.
				values:
				`AUAccessShibboleth`
				`MSActiveDirectory`
				`NovellNDS`
				`OpenDirectory`
				`OpenID`
				`Other`

	IdentityAssertions	O	The list of identity assertions for this user.	`ActionList` `(IdentityAssertion/@SchemaName)`
	IdentityAssertions/IdentityAssertion	MR	The identification string for this user.	`xs:normalizedString`

@	SchemaName	M	The name of the field.
			
			See implementation notes for details on required schema elements.
			
			Examples
			`eduPersonPrincipalName`
			`sAmAccountName`
				`xs:normalizedString`

	PasswordList	O	Allows a provider or publisher to specify the same password using multiple algorithms, if supported.	`List`
	PasswordList/Password	MR	A representation of the user's password using the given algorithm.	`xs:base64Binary`

@	Algorithm	M	The method used to encrypt the user's password. See the implementation details below.	**values:**
				`MD5`
				`SHA1`
				`DES`
				`TripleDES`
				`RC2`
				`AES`
				`RSA`

@	KeyName	M	The name of the key to be used for decryption of the password. Left blank for hash algorithms (MD5 and SHA1).	`xs:normalizedString`

	AuthenticationSourceGlobalUID	O	The globally unique person identifier that links together separate Identity objects which reference the same Person.	IdRefType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.13-1: Identity

```
  <Identity RefId="4286194F43ED43C18EE2F0A27C4BEF86">
    <SIF_RefId SIF_RefObject="StudentPersonal">23B08571E4D645C3B82A3E52E5349925</SIF_RefId>
    <AuthenticationSource>AUAccessShibboleth</AuthenticationSource>
    <IdentityAssertions>
      <IdentityAssertion SchemaName="eduPersonPrincipalName">john.doe@asdf.edu.au</IdentityAssertion>
    </IdentityAssertions>
    <AuthenticationSourceGlobalUID>A9A6CB2BC49344278C1FD6587D448B35</AuthenticationSourceGlobalUID>
  </Identity>
```

th Provider

```
  <Identity RefId="4286194F43ED43C18EE2F0A27C4BEF86">
    <SIF_RefId SIF_RefObject="StudentPersonal">23B08571E4D645C3B82A3E52E5349925</SIF_RefId>
    <AuthenticationSource>MSActiveDirectory</AuthenticationSource>
    <IdentityAssertions>
      <IdentityAssertion SchemaName="sAmAccountName">user01</IdentityAssertion>
      <IdentityAssertion SchemaName="userPrincipalName">user01@asdf.edu.au</IdentityAssertion>
      <IdentityAssertion SchemaName="distinguishedName">cn=User01,cn=Users,dc=org</IdentityAssertion>
    </IdentityAssertions>
    <AuthenticationSourceGlobalUID>23A08571E4D645C3B82A3E52E5349925</AuthenticationSourceGlobalUID>
  </Identity>
```

A Provider

```
</Identity>
```

ve Directory

```
  <Identity RefId="4286194F43ED43C18EE2F0A27C4BEF86">
    <SIF_RefId SIF_RefObject="StudentPersonal">23B08571E4D645C3B82A3E52E5349925</SIF_RefId>
    <AuthenticationSource>OpenID</AuthenticationSource>
    <IdentityAssertions>
      <IdentityAssertion SchemaName="openid.identity">http://verisign.org/p/alice </IdentityAssertion>
      <IdentityAssertion SchemaName="openid.server">http://verisign.org </IdentityAssertion>
    </IdentityAssertions>
    <AuthenticationSourceGlobalUID>A9A6CB2BC49344278C1FD6587D448B35</AuthenticationSourceGlobalUID>
  </Identity>
```

Directory

```
</Identity>
```

nID provider

.3.14 LEAInfo

Agency (LEA).

this object.

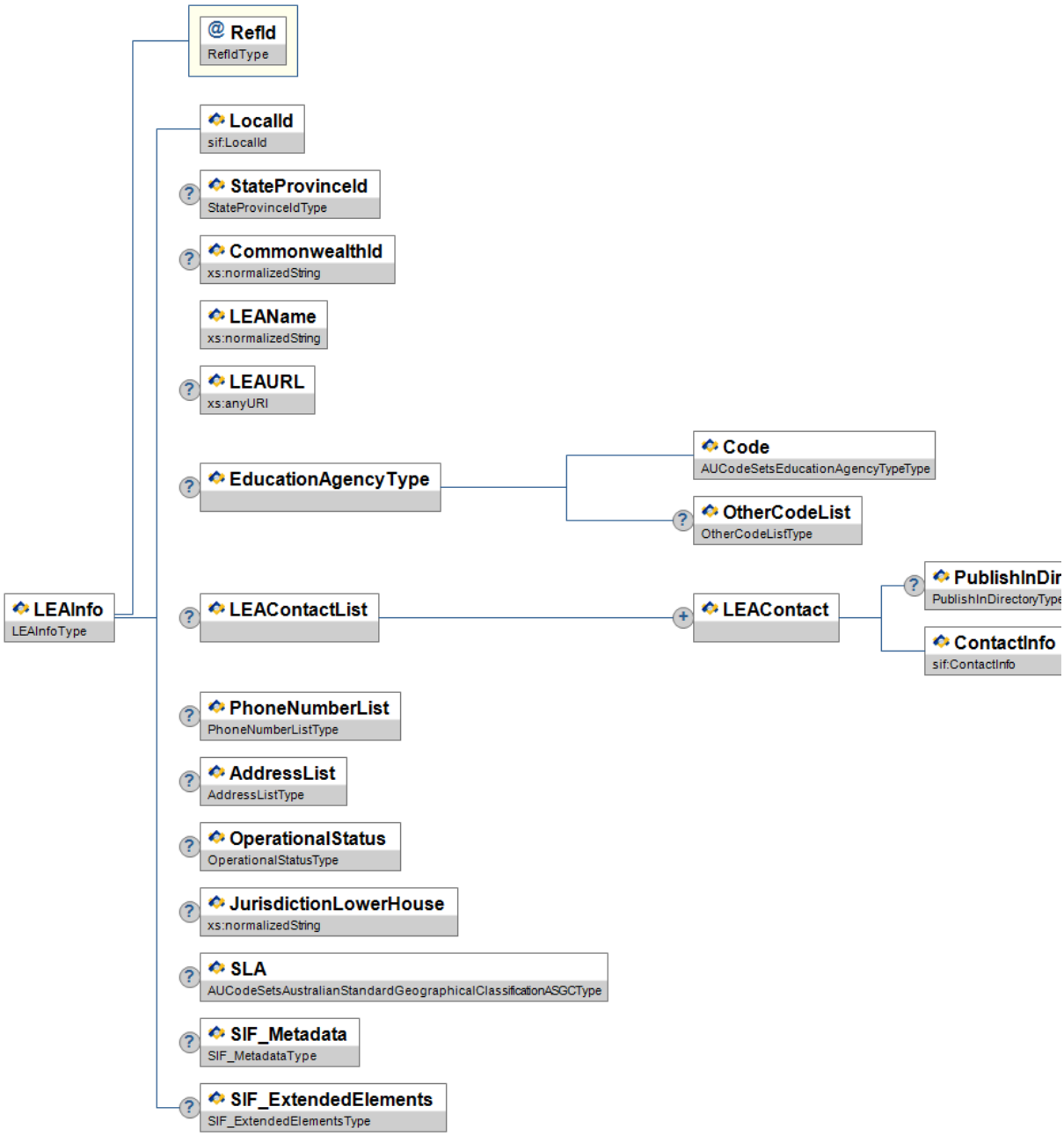


Figure 3.3.14-1: LEAInfo

	Element/@Attribute	Char	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	The locally-assigned identifier for this LEA.	`LocalId`
	StateProvinceId	O	The state-assigned identifier for this LEA.	`StateProvinceId`
	CommonwealthId	O	Commonwealth Identifier for this District (LEA).	`xs:normalizedString`
	LEAName	M	Name of LEA.	`xs:normalizedString`
	LEAURL	O	URL for the LEA.	`xs:anyURI`
	EducationAgencyType	O	The classification of the education agency within the	

			geographic boundaries of a state according to the level of administrative and operational control.	
	EducationAgencyType/Code	M	Code indicating the operational/administrative level.	AUCodeSetsEducationAgencyTypeType
	EducationAgencyType/OtherCodeList	O		OtherCodeList
	LEAContactList	O		List
	LEAContactList/LEAContact	MR	Information on contact persons for this LEA.	
	LEAContactList/LEAContact/ PublishInDirectory	O	Indicates whether or not this LEA contact's information should be published in a directory of LEA information.	PublishInDirectory
	LEAContactList/LEAContact/ ContactInfo	M		ContactInfo
	PhoneNumberList	O	The LEA's phone number(s).	PhoneNumberList
	AddressList	O	The LEA's address(es).	AddressList
	OperationalStatus	O	Operational condition of a school.	OperationalStatus
	JurisdictionLowerHouse	O	Lower House area that the school/campus belongs to.	xs:normalizedString
	SLA	O	Statistical Local Area that the school/campus belongs to.	AUCodeSetsAustralianStandardGeographicalClassificationASGCType
	SIF_Metadata	O		SIF_Metadata
	SIF_ extendedElements	O		SIF_ extendedElements

Table 3.3.14-1: LEAInfo

```
<LEAInfo RefId="D3E34B359D75101A8C3D00AA001A1652">
  <LocalId>EMR</LocalId>
  <StateProvinceId>EMR</StateProvinceId>
  <CommonwealthId>4215750</CommonwealthId>
  <LEAName>Eastern Metro School District</LEAName>
  <LEAURL>http://www.EMR.vic.edu.au</LEAURL>
  <EducationAgencyType>
    <Code>01</Code>
  </EducationAgencyType>
  <LEAContactList>
    <LEAContact>
      <PublishInDirectory>Y</PublishInDirectory>
      <ContactInfo>
        <Name Type="LGL">
          <FamilyName>Smith</FamilyName>
          <GivenName>Theo</GivenName>
          <FullName>Theo Smith</FullName>
        </Name>
        <PositionTitle>Superintendent</PositionTitle>
        <Email Type="01">drseuss@edumail.vic.edu.au</Email>
      </EmailList>
      <PhoneNumberList>
        <PhoneNumber Type="0096">
          <Number>(03) 9745 7455</Number>
        </PhoneNumber>
      </PhoneNumberList>
    </ContactInfo>
  </LEAContact>
</LEAContactList>
<PhoneNumberList>
  <PhoneNumber Type="0096">
    <Number>(03) 9745 7455</Number>
  </PhoneNumber>
</PhoneNumberList>
<OperationalStatus>O</OperationalStatus>
<JurisdictionLowerHouse>Unknown</JurisdictionLowerHouse>
<SLA>205801452</SLA>
</LEAInfo>
```

3.3.15 LearningResource

Information related to learning resources that may be used in educational setti

at may be used in educational settings. These include textbooks, Internet content, educational software, videos and DVDs, supplemental print material, etc.

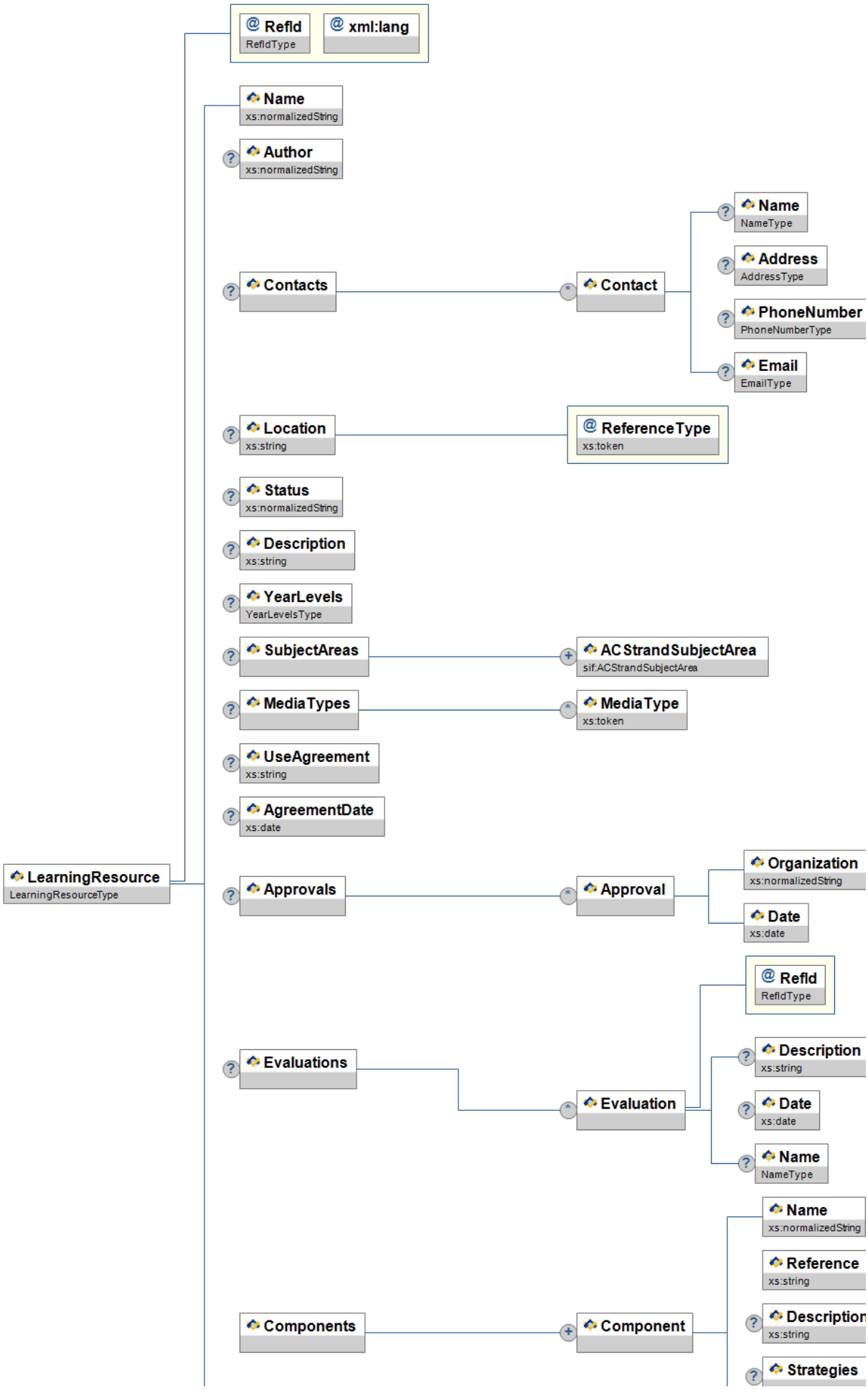

RefId
RefIdType
xml:lang
Name
xs:normalizedString
Author
xs:normalizedString
Contacts
Contact
Name
NameType
Address
AddressType
PhoneNumber
PhoneNumberType
Email
EmailType
Location
xs:string
ReferenceType
xs:token
Status
xs:normalizedString
Description
xs:string
YearLevels
YearLevelsType
SubjectAreas
ACStrandSubjectArea
sif:ACStrandSubjectArea
MediaTypes
MediaType
xs:token
UseAgreement
xs:string
AgreementDate
xs:date
LearningResource
LearningResourceType
Approvals
Approval
Organization
xs:normalizedString
Date
xs:date
RefId
RefIdType
Evaluations
Evaluation
Description
xs:string
Date
xs:date
Name
NameType
Name
xs:normalizedString
Reference
xs:string
Components
Component
Description
xs:string
Strategies

Figure 3.3.15-1: LearningResource

	Element/@Attribute	Char	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
@	xml:lang	M	The default language used in the LearningResource object.	
	Name	M	Name of learning resource.	xs:normalizedString
	Author	O	Name of organization or company that created the resource.	xs:normalizedString
	Contacts	O	Contains contact information about resource authors.	List
	Contacts/Contact	OR	Contains contact information about a resource author.	
	Contacts/Contact/Name	O	Name of contact person. Use the generic element Name.	Name
	Contacts/Contact/Address	O	Address of organization or company.	Address
	Contacts/Contact/PhoneNumber	O	Phone number of organization or company.	PhoneNumber
	Contacts/Contact/Email	O	The email of the organization or company.	Email
	Location	O	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
	Status	O	Describes availability status of resource, e.g. "checked out."	xs:normalizedString
	Description	O	Description of the resource, e.g., "This textbook is intended for year 4 social studies students and addresses..."	xs:string
	YearLevels	O		YearLevels
	SubjectAreas	O		List
	SubjectAreas/ACStrandSubjectArea	MR		ACStrandSubjectArea
	MediaTypes	O	Resource media types.	List
	MediaTypes/MediaType	OR	MIME type [MIME] based on IANA registration (see RFC2048) or 'non-digital'.	xs:token
	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.	List
	Approvals/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.	
	Approvals/Approval/Organization	M	Name of agency that approved use of resource.	xs:normalizedString
	Approvals/Approval/Date	M	Date resource was approved.	xs:date

	Evaluations	O	Evaluations/review of the resource.	List
	Evaluations/Evaluation	OR	Evaluation/review of resource.	
@	RefId	M	GUID assigned to an evaluation.	RefIdType
	Evaluations/Evaluation/Description	O	Description of evaluation of resource.	xs:string
	Evaluations/Evaluation/Date	O	Date evaluation was performed	xs:date
	Evaluations/Evaluation/Name	O	Name of individual who submitted evaluation.	Name
	Components	M	Lesson or activity-sized portions of a resource.	List
	Components/Component	MR	A lesson or activity-sized portion of a resource.	
	Components/Component/Name	M	Name of learning resource component within the resource, i.e. "Chapter 1, Section 4.	xs:normalizedString
	Components/Component/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
	Components/Component/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
	Components/Component/Strategies	O	Teaching/learning strategies used in the learning resource.	List
	Components/Component/Strategies/ Strategy	OR	Teaching/learning strategy used in the learning resource. One per element.	xs:string
	Components/Component/AssociatedObjects	O	References from component to associated elements within another SIF object.	List
	Components/Component/AssociatedObjects/ 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
	LearningStandards	O	References to LearningStandardItems.	List
	LearningStandards/LearningStandardItemRefId	OR	Reference to a LearningStandardItem.	IdRefType
	LearningResourcePackageRefId	O	Reference to a `LearningResourcePackage`, a transport envelope for teaching and learning object files.	IdRefType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.15-1: LearningResource

```
<LearningResource RefId="6938D88F82A37EFD88892429EC6AB1B5" xml:lang="en">
  <Name>A World of Music (Teacher Reference Sheet)</Name>
  <Author>The Queensland Performing Arts Edge</Author>
  <Contacts>
    <Contact>
      <Address Type="0123" Role="012A">
        <Street>
          <Line1>QPAC</Line1>
          <Line2>Southbank</Line2>
        </Street>
        <City>Brisbane</City>
        <StateProvince>QLD</StateProvince>
        <Country>1101</Country>
        <PostalCode>4002</PostalCode>
      </Address>
      <PhoneNumber Type="0096">
        <Number>(555) 555-1234</Number>
        <ListedStatus>Y</ListedStatus>
      </PhoneNumber>
      <Email Type="01">info@QPAC.edu.au</Email>
    </Contact>
  </Contacts>
  <Location ReferenceType="URI">http://www.artsedge/QPAC/curric/86_u_dreams/489_words.pdf</Location>
  <Status>Available</Status>
  <Description>Teacher Reference Sheet</Description>
  <YearLevels>
    <YearLevel>
      <Code>3</Code>
```

```
      </YearLevel>
      <YearLevel>
        <Code>4</Code>
      </YearLevel>
      <YearLevel>
        <Code>5</Code>
      </YearLevel>
    </YearLevels>
    <SubjectAreas>
      <ACStrandSubjectArea>
        <ACStrand>NPA</ACStrand>
        <SubjectArea>
          <Code>Hist</Code>
          <OtherCodeList>
            <OtherCode Codeset="Text">PerformingArts</OtherCode>
          </OtherCodeList>
        </SubjectArea>
      </ACStrandSubjectArea>
    </SubjectAreas>
    <MediaTypes>
      <MediaType>x-application/pdf</MediaType>
    </MediaTypes>
    <UseAgreement>see http://www.artsedge.QPAC/teaching_materials/using/artsedge.html for the user aggreement</UseAgreement>
    <AgreementDate>2002-06-05</AgreementDate>
    <Approvals>
      <Approval>
        <Organization>QLD DET</Organization>
        <Date>2002-03-15</Date>
      </Approval>
    </Approvals>
    <Evaluations>
      <Evaluation RefId="F1BC63DFD02CCED654EF558E84904E01">
        <Description>This resource references QLD curriculum standards</Description>
        <Date>2001-06-15</Date>
        <Name Type="LGL">
          <FamilyName>Doe</FamilyName>
          <GivenName>Joan</GivenName>
        </Name>
      </Evaluation>
    </Evaluations>
    <Components>
      <Component>
        <Name>Vocabulary</Name>
        <Reference>http://www.artsedge.QPAC.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="LearningResource">667A87E21B4B9470CE61568576DF921E</AssociatedObject>
        </AssociatedObjects>
      </Component>
    </Components>
    <LearningStandards>
      <LearningStandardItemRefId>D56D76D40F0B96916DA4CA2E230494E8</LearningStandardItemRefId>
      <LearningStandardItemRefId>DBCE64060B47E555A64AF7FCE6C1A4A9</LearningStandardItemRefId>
    </LearningStandards>
    <LearningResourcePackageRefId>6D254047C5E542CBB7921D03ED3BD894</LearningResourcePackageRefId>
  </LearningResource>
```

Example 3.3.15-1: LearningResource

3.3.16 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 3.3.16-1: LearningResourcePackage

Element/@Attribute	Char	Description	Type
LearningResourcePackage		A wrapper for any external learning content to be transmitted across a SIF Zone.	`AbstractContentPackageType`

Table 3.3.16-1: LearningResourcePackage

```
<LearningResourcePackage RefId="C7DE86685968459FBF9FED22A0E1EA6E">
  <BinaryData MIMEType="text/html;charset=utf-16">...</BinaryData>
</LearningResourcePackage>
```

Example 3.3.16-1: LearningResourcePackage

3.3.17 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.

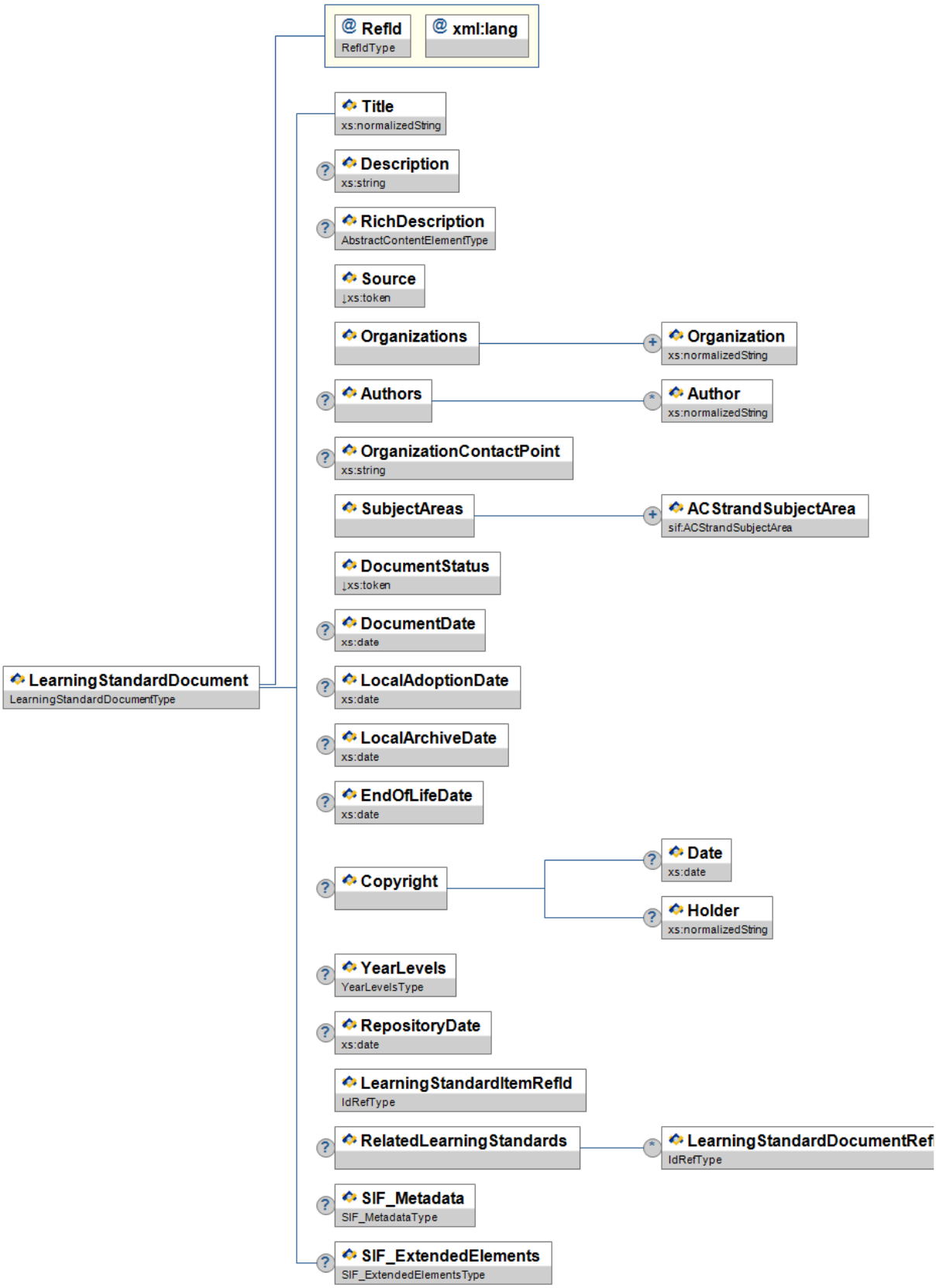


Figure 3.3.17-1: LearningStandardDocument

	Element/@Attribute	Char	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

@	xml:lang	M	The default language of the text used for the content in the learning standard document.	
	Title	M	Name of curriculum document, i.e., "NSW History Curriculum K-10."	xs:normalizedString
	Description	O	Description of the standards document.	xs:string
	RichDescription	O	Description of the curriculum document that allows pictures as well as text..	AbstractContentElementType
	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.	**values:** National State Regional District Site Classroom Publisher
	Organizations	M		List
	Organizations/Organization	MR	Name of organization represented by the document, i.e., "National Council of Teachers of Mathematics (NCTM)," "ACARA"," NSW DET".	xs:normalizedString
	Authors	O		List
	Authors/Author	OR	Name of the organization that authored the curriculum document, i.e. "ACARA May be the same as "Organization" above.	xs:normalizedString
	OrganizationContactPoint	O	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		List
	SubjectAreas/ACStrandSubjectArea	MR		ACStrandSubjectArea
	DocumentStatus	M		**values:** Draft Adopted Archived Unknown
	DocumentDate	O	The date the current status was achieved.	xs:date
	LocalAdoptionDate	O	The date the local organization adopted this standard document	xs:date
	LocalArchiveDate	O	The date the local organization stopped using this standard document and superseded by a new document.	xs:date
	EndOfLifeDate	O	This is the date that the governing organization retired this document.	xs:date
	Copyright	O	Copyright for document.	
	Copyright/Date	C	Copyright date	xs:date
	Copyright/Holder	C	Name of the copyright holder	xs:normalizedString
	YearLevels	O	SIF common YearLevels element	YearLevels
	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		List
	RelatedLearningStandards/ LearningStandardDocumentRefId	OR	Links to related LearningStandardDocument	IdRefType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.17-1: LearningStandardDocument

```
<LearningStandardDocument RefId="A5A575C789175101B8E7F08ED123A823" xml:lang="en">
  <Title>Australian National Curriculum: History</Title>
```

```
  <Description>
            AIMS: The aim of the History curriculum is to instill in students an appreciation in the diversity of the past and how they inform current
RATIONALE: History is essential for an informed citizenry and has always been a cornerstone of education.
    </Description>
  <Source>National</Source>
  <Organizations>
    <Organization>ACARA</Organization>
  </Organizations>
  <Authors>
    <Author>Joe Bloggs</Author>
  </Authors>
  <OrganizationContactPoint>http://www.acara.edu.au</OrganizationContactPoint>
  <SubjectAreas>
    <ACStrandSubjectArea>
      <ACStrand>H</ACStrand>
      <SubjectArea>
        <Code>Hist</Code>
        <OtherCodeList>
          <OtherCode Codeset="Text">History</OtherCode>
        </OtherCodeList>
      </SubjectArea>
    </ACStrandSubjectArea>
  </SubjectAreas>
  <DocumentStatus>Adopted</DocumentStatus>
  <DocumentDate>2010-04-15</DocumentDate>
  <LocalAdoptionDate>2011-01-06</LocalAdoptionDate>
  <EndOfLifeDate>2011-04-15</EndOfLifeDate>
  <Copyright>
    <Date>2010-06-05</Date>
    <Holder>ACARA</Holder>
  </Copyright>
  <YearLevels>
    <YearLevel>
      <Code>11</Code>
    </YearLevel>
    <YearLevel>
      <Code>12</Code>
    </YearLevel>
  </YearLevels>
  <RepositoryDate>2011-04-15</RepositoryDate>
  <LearningStandardItemRefId>B7D26D789139214A8C7F08EA123A8234</LearningStandardItemRefId>
  <RelatedLearningStandards>
    <LearningStandardDocumentRefId>B216162FC98D202E62A64D53C991A25A</LearningStandardDocumentRefId>
  </RelatedLearningStandards>
</LearningStandardDocument>
```


Example 3.3.17-1: LearningStandardDocument

3.3.18 LearningStandardItem

This object contains information related to curriculum standards statements "standards" or "benchmarks" or the like within the document. 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.

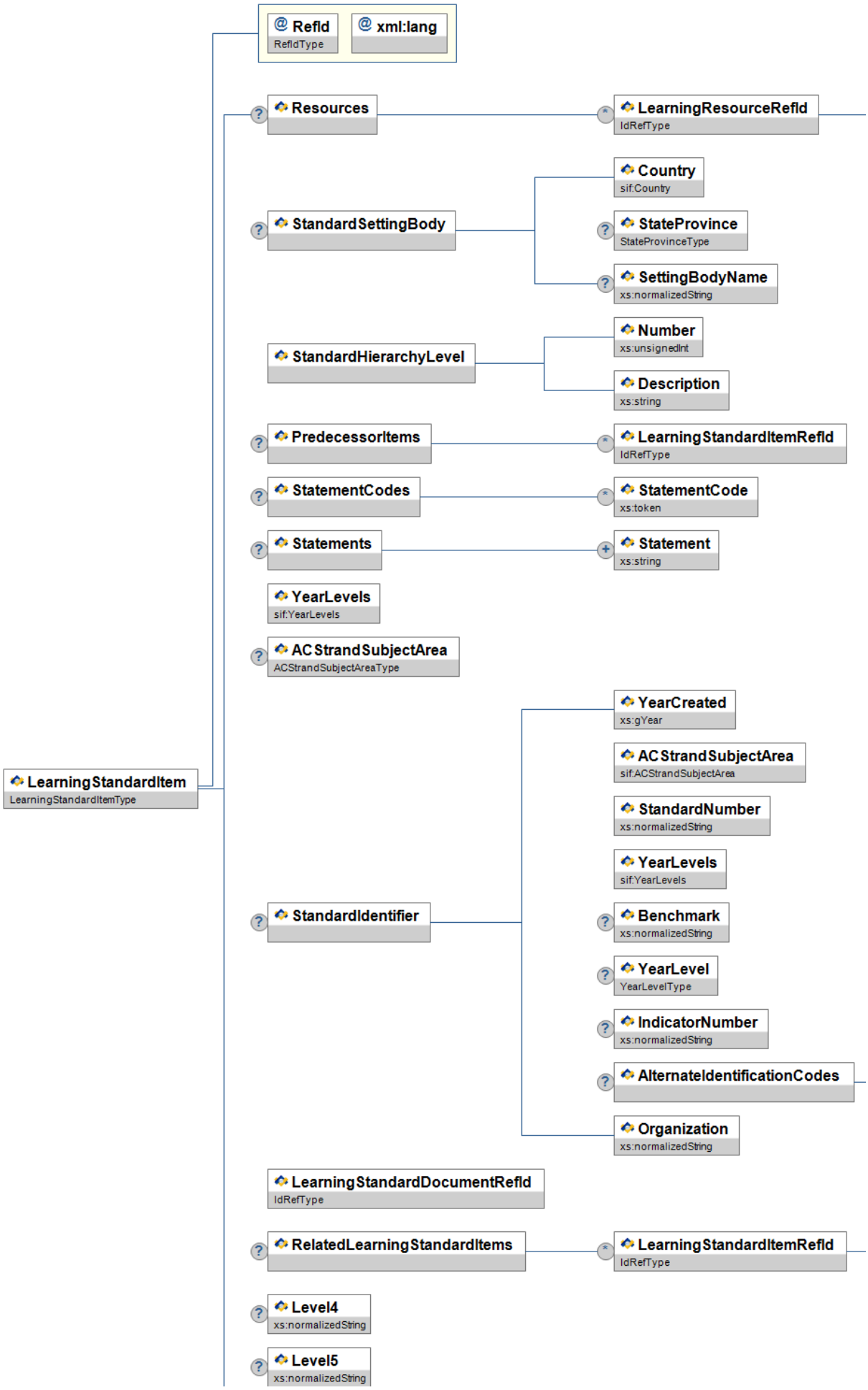

@ RefId
RefIdType
@ xml:lang
Resources
LearningResourceRefId
IdRefType
StandardSettingBody
Country
sif:Country
StateProvince
StateProvinceType
SettingBodyName
xs:normalizedString
StandardHierarchyLevel
Number
xs:unsignedInt
Description
xs:string
PredecessorItems
LearningStandardItemRefId
IdRefType
StatementCodes
StatementCode
xs:token
Statements
Statement
xs:string
YearLevels
sif:YearLevels
ACStrandSubjectArea
ACStrandSubjectAreaType
LearningStandardItem
LearningStandardItemType
YearCreated
xs:gYear
ACStrandSubjectArea
sif:ACStrandSubjectArea
StandardNumber
xs:normalizedString
YearLevels
sif:YearLevels
StandardIdentifier
Benchmark
xs:normalizedString
YearLevel
YearLevelType
IndicatorNumber
xs:normalizedString
AlternateIdentificationCodes
Organization
xs:normalizedString
LearningStandardDocumentRefId
IdRefType
RelatedLearningStandardItems
LearningStandardItemRefId
IdRefType
Level4
xs:normalizedString
Level5
xs:normalizedString

Figure 3.3.18-1: LearningStandardItem

	Element/@Attribute	Char	Description	Type
	LearningStandardItem		This object contains information related to curriculum standards statements "standards" or "benchmarks" or the like within the document. Each LearningStandardItem reflects an individual standard statement and may occur at several levels within a hierarchially structured document.	
@	RefId	M	GUID assigned to each statement at each level within the document hierarchy	RefIdType
@	xml:lang	M	The default language of the text used for the content in the LearningStandardItem.	
	Resources	O	Container for related resources.	List
	Resources/LearningResourceRefId	OR	A relationship between the item and an attached resource (e.g. learning resource, work sample).	IdRefType
@	ResourceType	M	Type of Resource.	**values:** LearningResource WorkSample AnnotatedWorkSample Other
	StandardSettingBody	O	The name of the state or organization that authored and manages updates to the curriculum document (i.e., ACARA, NSW DET).	
	StandardSettingBody/Country	M		Country
	StandardSettingBody/StateProvince	O		StateProvince
	StandardSettingBody/SettingBodyName	O	This is the text version of the organization's name.	xs:normalizedString
	StandardHierarchyLevel	M	Description of hierarchical level within standards tree.	
	StandardHierarchyLevel/Number	M	Integer assigned to each hierarchical level within standards tree. The top level is "1".	xs:unsignedInt
	StandardHierarchyLevel/Description	M	Used to describe what role this item is serving in the structure. Some documents describe their levels in terms of standard, strands, and topics. Others use standards, benchmarks, and indicators. In Australia, this is typically in terms of Course or Unit, Year Level, Outcomes. This attribute names the level of the item.	xs:string
	PredecessorItems	O		List
	PredecessorItems/LearningStandardItemRefId	OR	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. If the object has no parent, the ParentRefId should be the same as the object's RefId. The RefId in LearningStandardDocumentRefId will always point to the parent's LearningStandardDocument object.	IdRefType
	StatementCodes	O		List
	StatementCodes/StatementCode	OR	An alphanumeric Id code as defined by the organization to identify the statement.	xs:token
	Statements	O		List
	Statements/Statement	MR	The text of the "outcome", "standard", or other element within the structured curriculum document	xs:string
	YearLevels	M		YearLevels
	ACStrandSubjectArea	O		ACStrandSubjectArea
	StandardIdentifier	O	This element describes the unique identifier for each LearningStandard.	
	StandardIdentifier/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

	StandardIdentifier/ACStrandSubjectArea	M	This represents the subject or content area this curriculum item addresses. This would be assigned and unique to the curriculum setting body.	ACStrandSubjectArea
	StandardIdentifier/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
	StandardIdentifier/YearLevels	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.	YearLevels
	StandardIdentifier/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
	StandardIdentifier/YearLevel	O	This is the specific year level. This is to be utilized if the YearLevel covers several years. This would be assigned and unique to the standard setting body.	YearLevel
	StandardIdentifier/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 YearLevel 5-7, the indicator for the benchmark above at Year 6 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
	StandardIdentifier/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.	List
	StandardIdentifier/AlternateIdentificationCodes/ AlternateIdentificationCode	MR	An alphanumeric Id code as defined by the organization to identify the statement.	xs:normalizedString
	StandardIdentifier/Organization	M	Name of organization represented by the document, i.e., "National Council of Teachers of Mathematics (NCTM)," "NSW," "ACARA." This is the name of the organization that has this AlternateIdentificationCode. This should be a text field.	xs:normalizedString
	LearningStandardDocumentRefId	M	The RefId of the item's parent LearningStandardDocument.	IdRefType
	RelatedLearningStandardItems	O	Container for external relationships.	List
	RelatedLearningStandardItems/ LearningStandardItemRefId	OR	A relationship between the current standard item and another standard item.	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.	**union of:** AUCodeSetsLearningStandardItemRelationshipTypesType xs:token
	Level4	O	This is the second to most granular level of the learning or performance standard associated with the grade level.	xs:normalizedString
	Level5	O	This is the most granular level of the learning or performance standard associated with the grade level.	xs:normalizedString
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.18-1: LearningStandardItem

```
<LearningStandardItem RefId="A5D75F789175101B8C7E08EA123A8234" xml:lang="en">
  <StandardSettingBody>
```

```
    <Country>1101</Country>
    <StateProvince>VIC</StateProvince>
    <SettingBodyName>DEECD</SettingBodyName>
  </StandardSettingBody>
  <StandardHierarchyLevel>
    <Number>3</Number>
    <Description>AchievementStandard</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>
  <YearLevels>
    <YearLevel>
      <Code>4</Code>
    </YearLevel>
    <YearLevel>
      <Code>5</Code>
    </YearLevel>
  </YearLevels>
  <ACStrandSubjectArea>
    <ACStrand>M</ACStrand>
    <SubjectArea>
      <Code>Maths</Code>
      <OtherCodeList>
        <OtherCode Codeset="Text">Mathematics</OtherCode>
      </OtherCodeList>
    </SubjectArea>
  </ACStrandSubjectArea>
  <StandardIdentifier>
    <YearCreated>2003</YearCreated>
    <ACStrandSubjectArea>
      <ACStrand>M</ACStrand>
      <SubjectArea>
        <Code>Maths</Code>
        <OtherCodeList>
          <OtherCode Codeset="Text">Mathematics</OtherCode>
        </OtherCodeList>
      </SubjectArea>
    </ACStrandSubjectArea>
    <StandardNumber>04</StandardNumber>
    <YearLevels>
      <YearLevel>
        <Code>5</Code>
      </YearLevel>
      <YearLevel>
        <Code>6</Code>
      </YearLevel>
      <YearLevel>
        <Code>7</Code>
      </YearLevel>
    </YearLevels>
    <Organization>DEECD VIC</Organization>
  </StandardIdentifier>
  <LearningStandardDocumentRefId>8454189F6BBC26C6B97DDB4B6D0E3AC8</LearningStandardDocumentRefId>
  <RelatedLearningStandardItems>
    <LearningStandardItemRefId RelationshipType="Content">869670E8540A43509515AFB767FADD9A</LearningStandardItemRefId>
    <LearningStandardItemRefId RelationshipType="State">B14FDAB437CA4565A9765A5B824545C4</LearningStandardItemRefId>
    <LearningStandardItemRefId RelationshipType="ContentElaboration">D5440A11F5A44AC1920261ECBE5A29F6</LearningStandardItemRefId>
  </RelatedLearningStandardItems>
</LearningStandardItem>
```


Example 3.3.18-1: LearningStandardItem

3.3.19 PersonPicture

This object contains information about the person's picture.

SIF_Events are reported for this object.

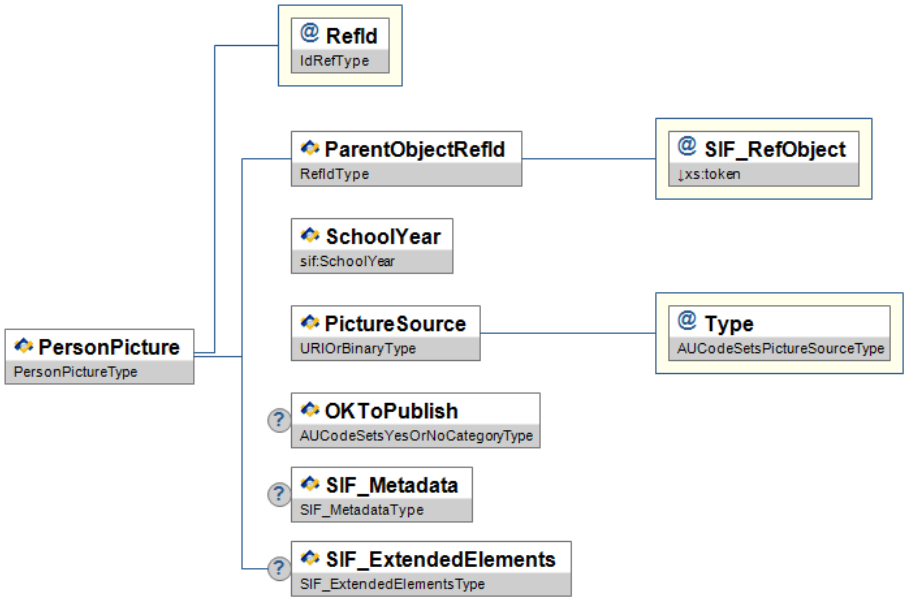


Figure 3.3.19-1: PersonPicture

	Element/@Attribute	Char	Description	Type
	PersonPicture		This object contains information about the person's picture.	
@	RefId	M	The ID (GUID) that uniquely identifies the picture.	IdRefType
	ParentObjectRefId	M	The GUID of the personal object to which this picture is linked	RefIdType
@	SIF_RefObject	M	The name of the object reference.	**values:** StudentPersonal StaffPersonal StudentContactPersonal
	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).	SchoolYear
	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].	URIOrBinaryType
@	Type	M	The way the picture is specified.	AUCodeSetsPictureSourceType
	OKToPublish	O	Can the picture be published?	AUCodeSetsYesOrNoCategoryType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.19-1: PersonPicture

```
<PersonPicture RefId="D3E34B359D75101A8C3D00AA001A1652">
  <ParentObjectRefId SIF_RefObject="StudentPersonal">AA648462888624AA5294BC638017320B</ParentObjectRefId>
  <SchoolYear>2007</SchoolYear>
  <PictureSource Type="01">http://www.schoolsite.com/pictures/2007/1234.jpg </PictureSource>
  <OKToPublish>Y</OKToPublish>
</PersonPicture>
```

Example 3.3.19-1: PersonPicture

3.3.20 ReportAuthorityInfo

This object contains information on authorities that provide ReportManifest objects and/or collect SIF_ReportObject objects, such as state departments of education, regional service agencies, or other report collecting agencies.

SIF_Events are reported for this object.

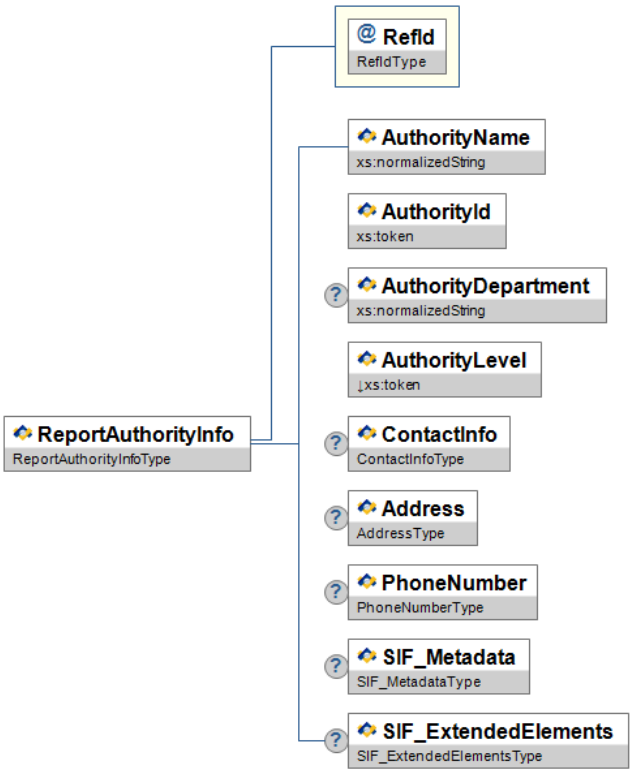


Figure 3.3.20-1: ReportAuthorityInfo

	Element/@Attribute	Char	Description	Type
	ReportAuthorityInfo		This object contains information on authorities that provide ReportManifest objects and/or collect SIF_ReportObject objects, such as state departments of education, regional service agencies, or other report collecting agencies.	
@	RefId	M	The unique identifier for this agency/report authority.	RefIdType
	AuthorityName	M	Name of the agency/report authority.	xs:normalizedString
	AuthorityId	M	The zone unique case-sensitive identifier for the authority. This will be the contents of the SIF_SourceId element in the header of requests for reports.	xs:token
	AuthorityDepartment	O	Department, office, or subdivision of the agency/report authority.	xs:normalizedString
	AuthorityLevel	M	Level of the authority.	**values:** Federal State LEA School Other
	ContactInfo	O	Information on the contact person in this agency.	ContactInfo
	Address	O		Address
	PhoneNumber	O		PhoneNumber
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.20-1: ReportAuthorityInfo

```
<ReportAuthorityInfo RefId="9746375937BB2A10AAB2758C46A12001">
  <AuthorityName>XX State Department of Education</AuthorityName>
  <AuthorityId>StateDOEDataWarehouse</AuthorityId>
  <AuthorityDepartment>Bureau of Special Education</AuthorityDepartment>
  <AuthorityLevel>State</AuthorityLevel>
  <ContactInfo>
    <Name Type="LGL">
      <Title>Mr</Title>
      <FamilyName>Miller</FamilyName>
      <GivenName>James</GivenName>
      <MiddleName>Frank</MiddleName>
      <Suffix>Jr.</Suffix>
      <FullName>Mr James Frank Miller Jr.</FullName>
    </Name>
    <PositionTitle>Business Manager</PositionTitle>
    <Role>School Information Contact Point</Role>
    <Address Type="0123" Role="012B">
      <Street>
```

```
        <Line1>23 Nicholson Street</Line1>
      </Street>
      <City>Carnegie</City>
      <StateProvince>VIC</StateProvince>
      <Country>1101</Country>
      <PostalCode>3004</PostalCode>
      <GridLocation>
        <Latitude>23.9876</Latitude>
        <Longitude>-98.8765</Longitude>
      </GridLocation>
    </Address>
    <EmailList>
      <Email Type="01">jmiller@lsc.vic.edu.au</Email>
      <Email Type="02">jmiller@yahoo.com.au</Email>
    </EmailList>
    <PhoneNumberList>
      <PhoneNumber Type="0096">
        <Number>03 9637-2000</Number>
        <Extension>72345</Extension>
        <ListedStatus>Y</ListedStatus>
      </PhoneNumber>
    </PhoneNumberList>
  </ContactInfo>
  <Address Type="0123" Role="2382">
    <Street>
      <Line1>6799 33rd Ave.</Line1>
      <StreetNumber>6799</StreetNumber>
      <StreetName>33rd</StreetName>
      <StreetType>Ave.</StreetType>
    </Street>
    <City>Chicago</City>
    <StateProvince>IL</StateProvince>
    <Country>1101</Country>
    <PostalCode>60660</PostalCode>
  </Address>
  <PhoneNumber Type="0096">
    <Number>(555) 555-0000</Number>
  </PhoneNumber>
</ReportAuthorityInfo>
```

Example 3.3.20-1: ReportAuthorityInfo

3.3.21 ReportManifest

This object provides a way to define a report within a SIF zone. It contains metadata about the report. This object represents a mutual agreement between senders and receivers of the report.

SIF_Events are reported for this object.

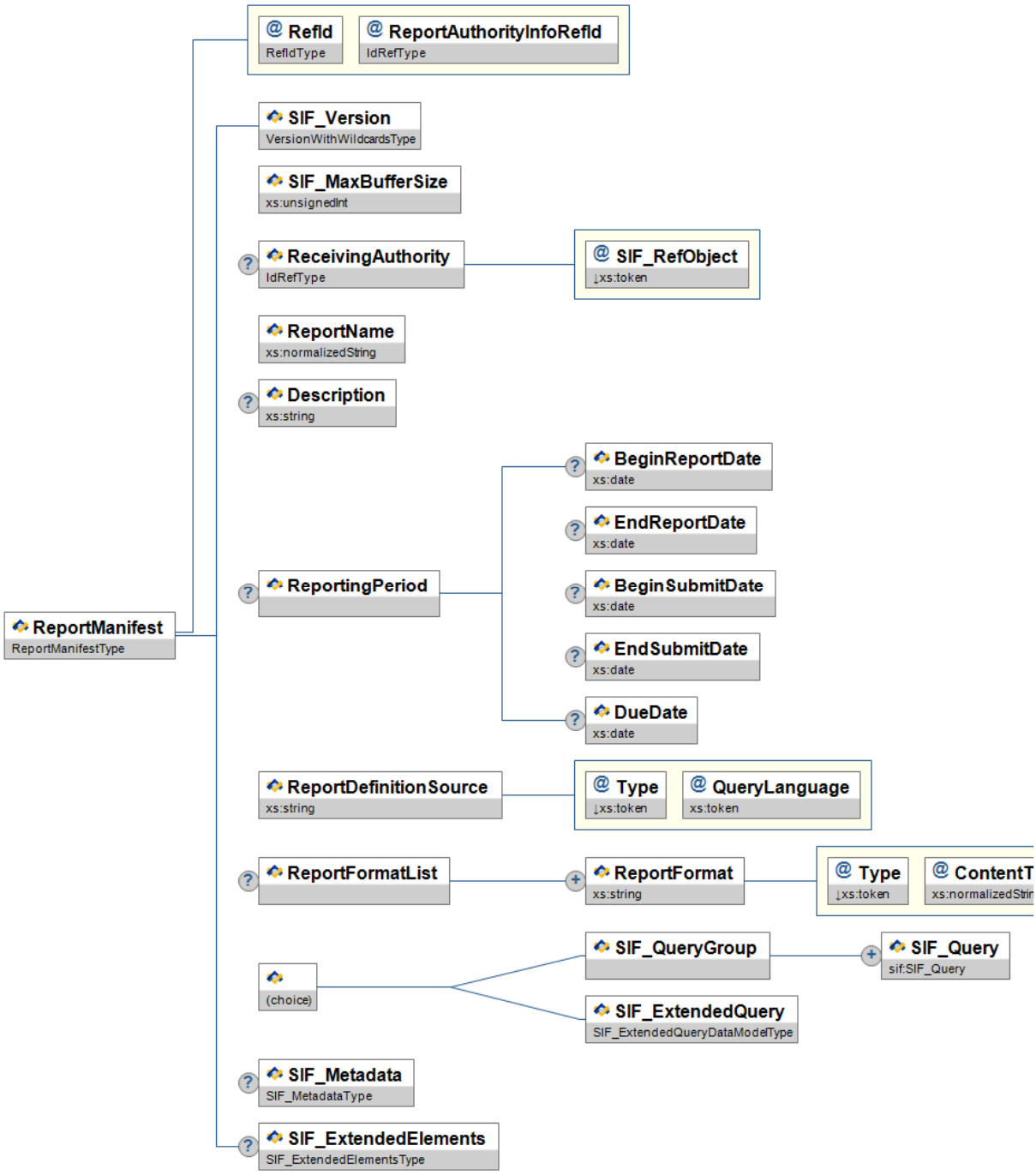


Figure 3.3.21-1: ReportManifest

	Element/@Attribute	Char	Description	Type
	ReportManifest		This object provides a way to define a report within a SIF zone. It contains metadata about the report. This object represents a mutual agreement between senders and receivers of the report.	
@	RefId	M	The unique identifier for this report manifest.	`RefIdType`
@	ReportAuthorityInfoRefId	M	ID (GUID) of the authority providing this manifest.	`IdRefType`
	SIF_Version	M	Specifies which SIF Implementation Specification version should be used when returning the report data; wildcards are allowed. When a wildcard is specified, the responding agent `SHOULD` attempt to return the report data in the version specified by `SIF_Message/@Version`, if that version matches the wildcard version. If not, the responding agent can return the data in any version it chooses that matches the wildcard version.	`VersionWithWildcardsType`
	SIF_MaxBufferSize	M	Specifies the maximum size of a packet to be returned to the report authority.	`xs:unsignedInt`
	ReceivingAuthority	O	The GUID of the authority for whom the report is intended, usually the same authority that defines this	`IdRefType`

			manifest.	
@	SIF_RefObject	M	The name of the object referenced.	**values:** ReportAuthorityInfo
	ReportName	M	The authority's accepted name for the report.	xs:normalizedString
	Description	O	The description for the report.	xs:string
	ReportingPeriod	O	Information on the period of time over which the report spans.	
	ReportingPeriod/BeginReportDate	O	The first date for which the report contains information.	xs:date
	ReportingPeriod/EndReportDate	O	The last date for which the report contains information. May be the same as BeginReportDate for snapshot-type reports.	xs:date
	ReportingPeriod/BeginSubmitDate	O	The first date on which the report may be submitted to the authority.	xs:date
	ReportingPeriod/EndSubmitDate	O	The last date on which the report may be submitted to the authority.	xs:date
	ReportingPeriod/DueDate	O	The official due date of the report.	xs:date
	ReportDefinitionSource	M	Indicates where the report definition can be found. If Type is Embedded or Base64Binary, this element's value contains the report definition. If Type is URL, this element's value is the location of the external definition. A Type value of SIF_Query indicates that the SIF_QueryGroup element contains the definition.	xs:string
@	Type	M	This attribute indicates the source of the report definition.	**values:** URL Embedded Base64Binary SIF_Query SIF_ExtendedQuery
@	QueryLanguage	M	The vendor-defined query language used in the report definition (e.g. SQL, ExampleObject, Description, com.vendor.format, etc.). If the Type attribute is SIF_Query, then QueryLanguage should also be SIF_Query. If the Type attribute is SIF_ExtendedQuery, then QueryLanguage should also be SIF_ExtendedQuery.	xs:token
	ReportFormatList	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
	ReportFormatList/ReportFormat	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
	SIF_QueryGroup	C	Parent element containing the querying criteria for extracting the report information if ReportDefinitionSource/@Type is SIF_Query.	List
	SIF_QueryGroup/SIF_Query	MR		SIF_Query
	SIF_ExtendedQuery	C	Query criteria for extracting the report information if ReportDefinitionSource/@Type is SIF_ExtendedQuery.	SIF_ExtendedQuery
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.21-1: ReportManifest

```
<ReportManifest RefId="C234516384746B387459000F84723A00" ReportAuthorityInfoRefId="847563736457463637384848484484832">
  <SIF_Version>2.3</SIF_Version>
  <SIF_MaxBufferSize>102400000</SIF_MaxBufferSize>
  <ReceivingAuthority SIF_RefObject="ReportAuthorityInfo">847563736457463637384848484484812</ReceivingAuthority>
  <ReportName>December 1 IDEA Students</ReportName>
  <Description>
        A report of all IDEA-eligible students receiving services on
        December 1
      </Description>
```

```
  <ReportingPeriod>
    <BeginReportDate>2003-12-01</BeginReportDate>
    <EndReportDate>2003-12-01</EndReportDate>
    <BeginSubmitDate>2003-12-02</BeginSubmitDate>
    <EndSubmitDate>2004-01-15</EndSubmitDate>
    <DueDate>2004-01-15</DueDate>
  </ReportingPeriod>
  <ReportDefinitionSource Type="URL" QueryLanguage="Description">http://www.state.edu/IDEAEligible.html</ReportDefinitionSource>
  <SIF_QueryGroup>
    <SIF_Query>
      <SIF_QueryObject ObjectName="StudentPersonal" />
    </SIF_Query>
    <SIF_Query>
      <SIF_QueryObject ObjectName="StudentSchoolEnrollment" />
      <SIF_ConditionGroup Type="And">
        <SIF_Conditions Type="None">
          <SIF_Condition>
            <SIF_Element>EntryDate</SIF_Element>
            <SIF_Operator>LE</SIF_Operator>
            <SIF_Value>20031201</SIF_Value>
          </SIF_Condition>
        </SIF_Conditions>
        <SIF_Conditions Type="Or">
          <SIF_Condition>
            <SIF_Element>ExitDate</SIF_Element>
            <SIF_Operator>EQ</SIF_Operator>
            <SIF_Value>20040530</SIF_Value>
          </SIF_Condition>
          <SIF_Condition>
            <SIF_Element>ExitDate</SIF_Element>
            <SIF_Operator>GE</SIF_Operator>
            <SIF_Value>20031201</SIF_Value>
          </SIF_Condition>
        </SIF_Conditions>
      </SIF_ConditionGroup>
    </SIF_Query>
    <SIF_Query>
      <SIF_QueryObject ObjectName="StudentParticipation" />
      <SIF_ConditionGroup Type="And">
        <SIF_Conditions Type="None">
          <SIF_Condition>
            <SIF_Element>@Type</SIF_Element>
            <SIF_Operator>EQ</SIF_Operator>
            <SIF_Value>IDEA</SIF_Value>
          </SIF_Condition>
        </SIF_Conditions>
        <SIF_Conditions Type="None">
          <SIF_Condition>
            <SIF_Element>ProgramPlacementDate</SIF_Element>
            <SIF_Operator>LE</SIF_Operator>
            <SIF_Value>20031201</SIF_Value>
          </SIF_Condition>
        </SIF_Conditions>
        <SIF_Conditions Type="Or">
          <SIF_Condition>
            <SIF_Element>ProgramExitDate</SIF_Element>
            <SIF_Operator>EQ</SIF_Operator>
            <SIF_Value />
          </SIF_Condition>
          <SIF_Condition>
            <SIF_Element>ProgramExitDate</SIF_Element>
            <SIF_Operator>GE</SIF_Operator>
            <SIF_Value>20031201</SIF_Value>
          </SIF_Condition>
        </SIF_Conditions>
      </SIF_ConditionGroup>
    </SIF_Query>
  </SIF_QueryGroup>
</ReportManifest>
```

Example 3.3.21-1: ReportManifest

3.3.22 ResourceUsage

This object tracks resource usage by a student or staff member at a school over a defined time period.

SIF_Events are reported for this object.

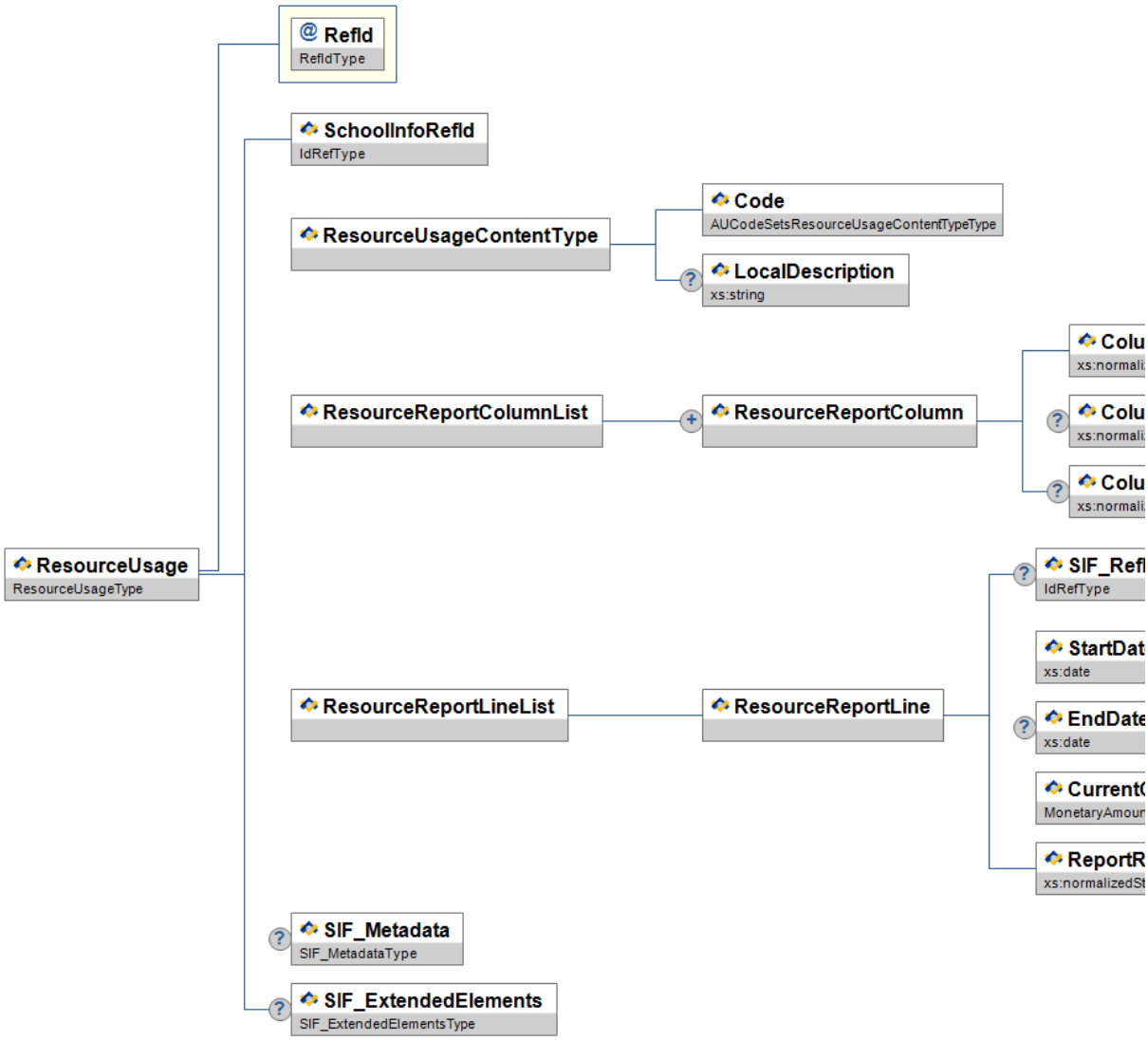


Figure 3.3.22-1: ResourceUsage

	Element/@Attribute	Char	Description	Type
	ResourceUsage		This object tracks resource usage by a student or staff member at a school over a defined time period.	
@	RefId	M	The SIF RefId that uniquely identifies this object.	RefIdType
	SchoolInfoRefId	M	SIF RefId that identifies the school providing the resource being tracked.	IdRefType
	ResourceUsageContentType	M	Information about the ResourceUsage.	
	ResourceUsageContentType/ Code	M	Codeset for type of resource being tracked.	AUCodeSetsResourceUsageContentTypeType
	ResourceUsageContentType/ LocalDescription	O	Local description of type of resource being tracked.	xs:string
	ResourceReportColumnList	M	Definitions of the values given in ResourceReportList/ ResourceReport/ ReportRow.	List
	ResourceReportColumnList/ ResourceReportColumn	MR	Definition of a single value given in ResourceReportList/ ResourceReport/ ReportRow; the value definitions in ReportColumnList appear in the same order as they do in ReportRow.	
	ResourceReportColumnList/ ResourceReportColumn/ColumnName	M	Name of a ReportRow value.	xs:normalizedString
	ResourceReportColumnList/ ResourceReportColumn/ColumnDescription	O	Description of a ReportRow value.	xs:normalizedString

	ResourceReportColumnList/ ResourceReportColumn/ColumnDelimiter	O	Delimiter separating this ReportRow value from the next; is assumed by default to be ",", with CSV parsing rules.	`xs:normalizedString`
	ResourceReportLineList	M	List of resource reports, one per user.	`List`
	ResourceReportLineList/ResourceReportLine	M	List of resource reports, one per user.	
	ResourceReportLineList/ResourceReportLine/ SIF_RefID	O	SIF RefId that identifies the student, staff or group whose usage is being tracked.	`IdRefType`

@	SIF_RefObject	M	The type of SIF object that the `ReportUserRefId` attribute identifies.	**values:**
				
				`StudentPersonal`
				`StaffPersonal`
				`TeachingGroup`

	ResourceReportLineList/ResourceReportLine/ StartDate	M	Starting date for reporting period of resource usage.	`xs:date`
	ResourceReportLineList/ResourceReportLine/ EndDate	O	End date for reporting period of resource usage.	`xs:date`
	ResourceReportLineList/ResourceReportLine/ CurrentCost	M	Current cost of reported resource usage.	`MonetaryAmountType`
	ResourceReportLineList/ResourceReportLine/ ReportRow	M	Key of report-specific values, defined in ReportColumn	`xs:normalizedString`
	SIF_Metadata	O		`SIF_Metadata`
	SIF_ExtendedElements	O		`SIF_ExtendedElements`

Table 3.3.22-1: ResourceUsage

```
<ResourceUsage RefId="4286194F43ED43C18EE2F0A27C4BEF87">
  <SchoolInfoRefID>23B08571E4D645C3B82A3E52E5349925</SchoolInfoRefID>
  <ResourceUsageContentType>
    <Code>01</Code>
    <LocalDescription>Other Description</LocalDescription>
  </ResourceUsageContentType>
  <ReportColumnList>
    <ReportColumn>
      <ColumnName>userName</ColumnName>
      <ColumnDelimiter>,</ColumnDelimiter>
    </ReportColumn>
    <ReportColumn>
      <ColumnName>comment</ColumnName>
    </ReportColumn>
    <ReportColumn>
      <ColumnName>planName</ColumnName>
    </ReportColumn>
    <ReportColumn>
      <ColumnName>totalBytesIn</ColumnName>
      <ColumnDesc>total Bytes downloaded (MB)</ColumnDesc>
      <ColumnType>xs:integer</ColumnType>
    </ReportColumn>
    <ReportColumn>
      <ColumnName>totalBytesOut</ColumnName>
      <ColumnDesc>total Bytes uploaded (MB)</ColumnDesc>
      <ColumnType>xs:integer</ColumnType>
    </ReportColumn>
  </ReportColumnList>
  <ResourceReportLineList>
    <ResourceReportLine>
      <SIF_RefId SIF_RefObject="StudentPersonal">23B08571E4D645C3B82A3E52E5349925</SIF_RefId>
      <StartDate>2011-03-18</StartDate>
      <EndDate>2011-04-17</EndDate>
      <CurrentCost Currency="AUD">5.43</CurrentCost>
      <ReportRow>name.surename.1,null,Year 10 Test,47,2</ReportRow>
    </ResourceReportLine>
    <ResourceReportLine>
      <SIF_RefId SIF_RefObject="StaffPersonal">23B08571E4D345C3B82A3E52E5349925</SIF_RefId>
      <StartDate>2011-03-18</StartDate>
      <EndDate>2011-04-17</EndDate>
      <CurrentCost Currency="AUD">0.00</CurrentCost>
      <ReportRow>name.surename.2,cost waived,Year 10 Test,93,4</ReportRow>
    </ResourceReportLine>
  </ResourceReportLineList>
</ResourceUsage>
```

Example 3.3.22-1: ResourceUsage

3.3.23 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.

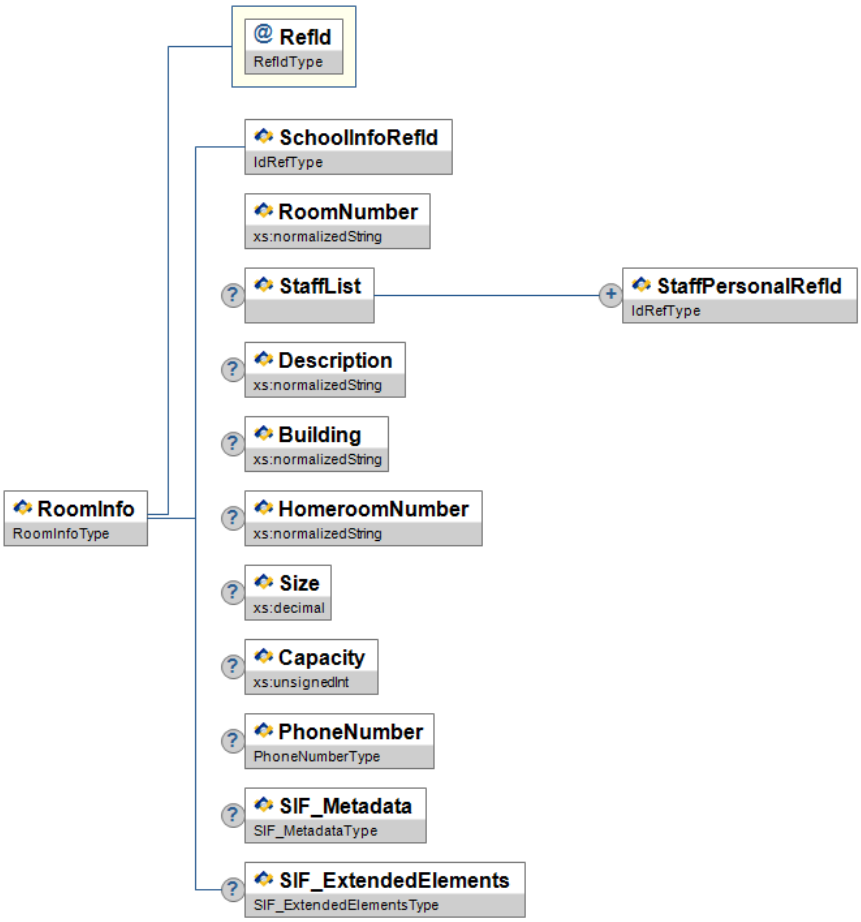


Figure 3.3.23-1: RoomInfo

	Element/@Attribute	Char	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	GUID that identifies this room.	`RefIdType`
	SchoolInfoRefId	M	GUID that identifies the school that this room belongs to.	`IdRefType`
	RoomNumber	M	Room number as presented to the user/application.	`xs:normalizedString`
	StaffList	O		`List`
	StaffList/StaffPersonalRefId	MR	GUID that identifies the staff person assigned to this room (e.g. the homeroom teacher).	`IdRefType`
	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 meters.	`xs:decimal`
	Capacity	O	Number of persons (usually students) that this room can hold.	`xs:unsignedInt`
	PhoneNumber	O	Phone number for the room	`PhoneNumber`
	SIF_Metadata	O		`SIF_Metadata`

SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.23-1: RoomInfo

```
<RoomInfo RefId="D3E34B359D75101A8C3D00AA001A1652">
  <SchoolInfoRefId>A2E35B359D75101A8C3D00AA001A0000</SchoolInfoRefId>
  <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>(02) 9555-1234</Number>
  </PhoneNumber>
</RoomInfo>
```

Example 3.3.23-1: RoomInfo

3.3.24 SchoolCourseInfo

This object is for course information.

All local ids in non-authoritative objects are optional. It is therefore up to the provider and the actual agent's design and choreography to determine whether or not to use or local ids from parent objects. There are cases in some subscribing systems where it might not possible to add RefId columns and therefore the RefId of related objects cannot be stored. For example a target system that listens to TimeTableSubject events and updates them may not be able to store the associated SchoolCourseInfoRefId with that object. The only way it can link the TimeTableSubject object with the appropriate course might be through its local course id. Having local ids that link the parent objects with the child object can simplify the agent design. Generally it is suggested to use the appropriate RefIds whenever possible and only use local ids if there is no other way to use RefIds.

SIF_Events are reported for this object.

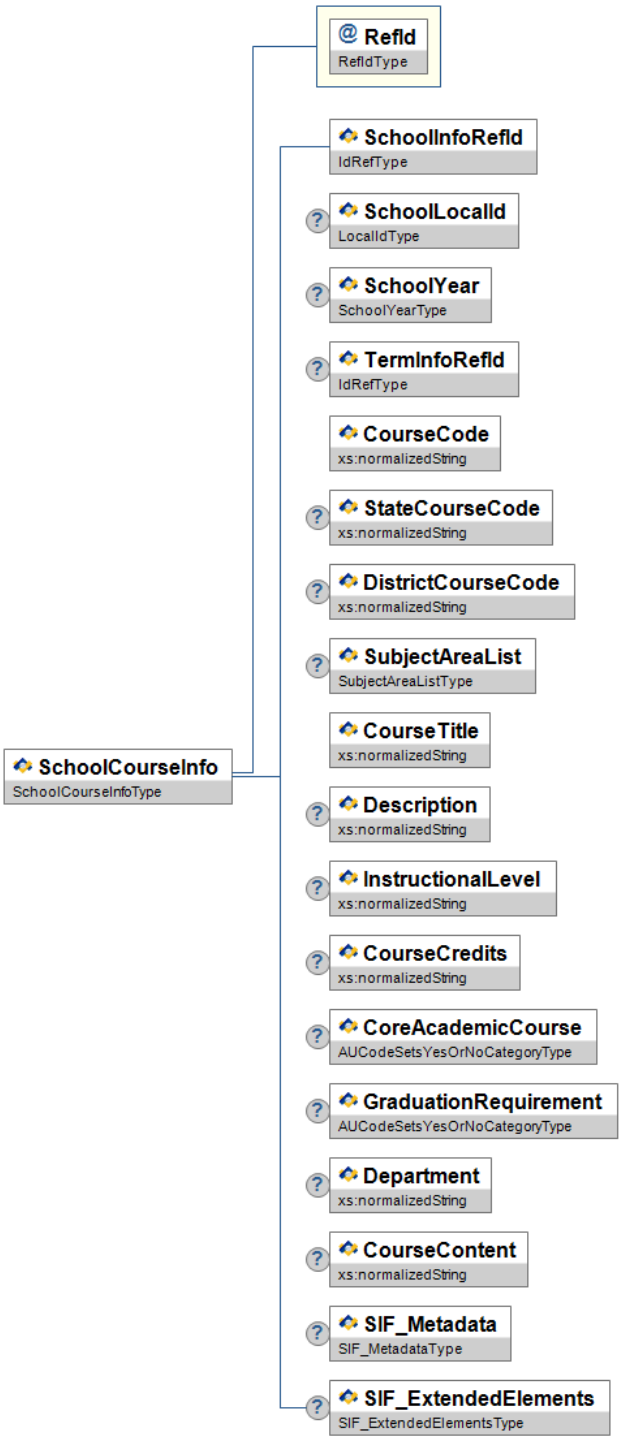


Figure 3.3.24-1: SchoolCourseInfo

	Element/@Attribute	Char	Description	Type
	SchoolCourseInfo		This object is for course information. All local ids in non-authoritative objects are optional. It is therefore up to the provider and the actual agent's design and choreography to determine whether or not to use or local ids from parent objects. There are cases in some subscribing systems where it might not possible to add RefId columns and therefore the RefId of related objects cannot be stored. For example a target system that listens to TimeTableSubject events and updates them may not be able to store the associated SchoolCourseInfoRefId with that object. The only way it can link the TimeTableSubject object with the appropriate course might be through its local course id. Having local ids that link the parent objects with the child object can simplify the agent design. Generally it is suggested to use the appropriate RefIds whenever possible and only use local ids if there is no other way to use RefIds.	
@	RefId	M	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

	SchoolLocalId	O	The locally-assigned identifier for this school/campus.	LocalId
	SchoolYear	C	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007).	SchoolYear
	TermInfoRefId	C	The ID (GUID) that uniquely identifies this TermInfo (reportable time period). Either SchoolYear or TermInfoRefId must be provided.	IdRefType
	CourseCode	M	School-defined local code for the course.	xs:normalizedString
	StateCourseCode	O	State-defined standard course code used to report information about courses.	xs:normalizedString
	DistrictCourseCode	O	The corresponding district course code.	xs:normalizedString
	SubjectAreaList	O	Subject matter areas.	SubjectAreaList
	CourseTitle	M	Title of the course.	xs:normalizedString
	Description	O	Textual description of the course.	xs:normalizedString
	InstructionalLevel	O	An indication of the general nature and difficulty of instruction provided.	xs:normalizedString
	CourseCredits	O	The number of credits awarded upon course completion.	xs:normalizedString
	CoreAcademicCourse	O	Does the course meet the state definition of a core academic course?	AUCodeSetsYesOrNoCategoryType
	GraduationRequirement	O	Does the state require that the course be completed for graduation?	AUCodeSetsYesOrNoCategoryType
	Department	O	Department with jurisdiction over this course.	xs:normalizedString
	CourseContent	O	Description of course content.	xs:normalizedString
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.24-1: SchoolCourseInfo

```
<SchoolCourseInfo RefId="9D75101A8C3D00AA001A0000A2E35B35">
  <SchoolInfoRefId>101A8C3D00AA001A0000A2E35B359D75</SchoolInfoRefId>
  <SchoolYear>2006</SchoolYear>
  <CourseCode>CS101</CourseCode>
  <StateCourseCode>08-001</StateCourseCode>
  <DistrictCourseCode>CS101</DistrictCourseCode>
  <SubjectAreaList>
    <SubjectArea>
      <Code>Graphic Arts</Code>
    </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>0571</InstructionalLevel>
  <CourseCredits>2</CourseCredits>
  <CoreAcademicCourse>N</CoreAcademicCourse>
  <GraduationRequirement>N</GraduationRequirement>
</SchoolCourseInfo>
```

Example 3.3.24-1: SchoolCourseInfo

3.3.25 SchoolInfo

This object contains information about the school.

SIF_Events are reported for this object.

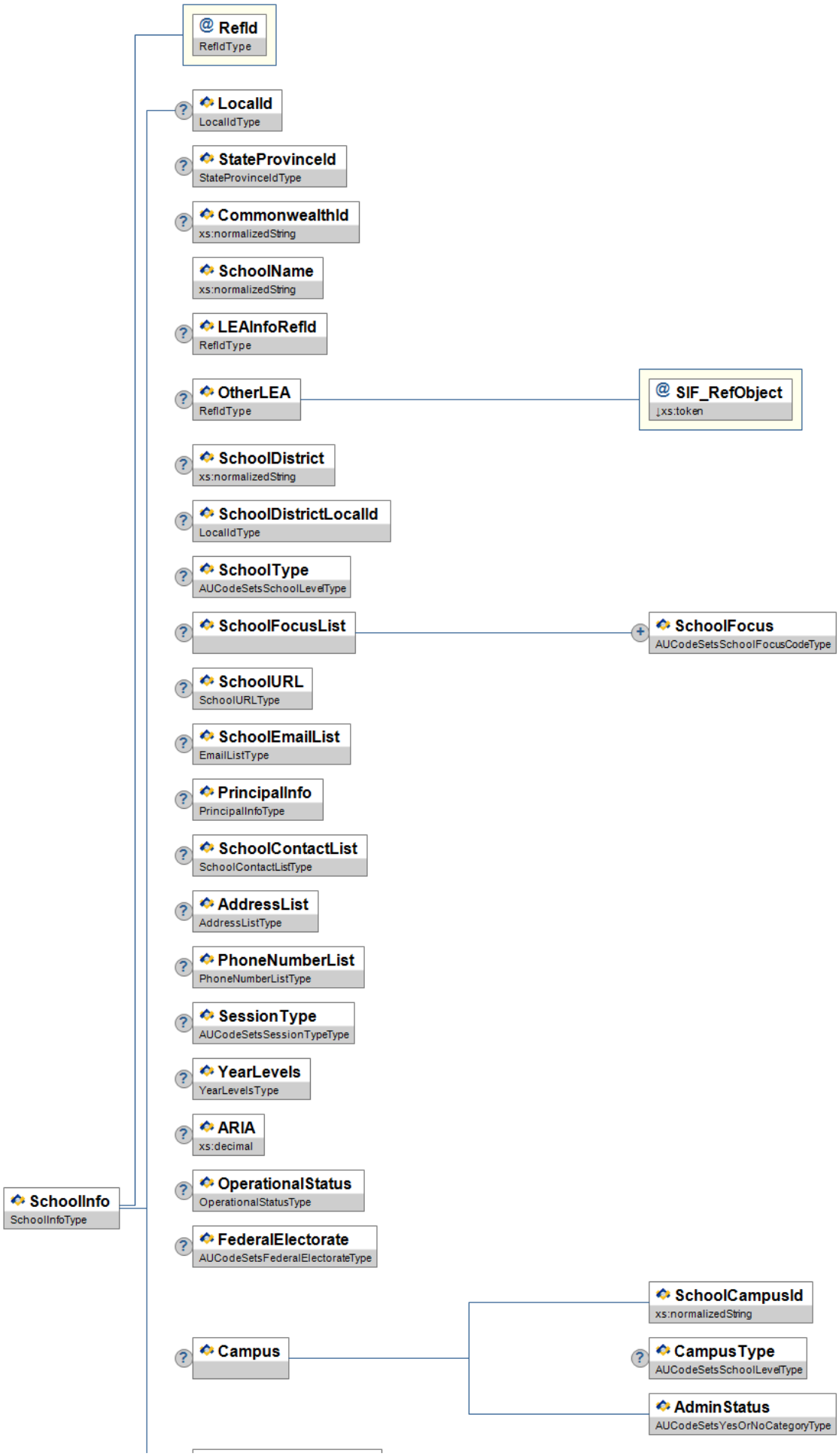

RefId
RefIdType
LocalId
LocalIdType
StateProvinceId
StateProvinceIdType
CommonwealthId
xs:normalizedString
SchoolName
xs:normalizedString
LEAInfoRefId
RefIdType
OtherLEA
RefIdType
SIF_RefObject
xs:token
SchoolDistrict
xs:normalizedString
SchoolDistrictLocalId
LocalIdType
SchoolType
AUCodeSetsSchoolLevelType
SchoolFocusList
SchoolFocus
AUCodeSetsSchoolFocusCodeType
SchoolURL
SchoolURLType
SchoolEmailList
EmailListType
PrincipalInfo
PrincipalInfoType
SchoolContactList
SchoolContactListType
AddressList
AddressListType
PhoneNumberList
PhoneNumberListType
SessionType
AUCodeSetsSessionTypeType
YearLevels
YearLevelsType
ARIA
xs:decimal
OperationalStatus
OperationalStatusType
FederalElectorate
AUCodeSetsFederalElectorateType
SchoolInfo
SchoolInfoType
Campus
SchoolCampusId
xs:normalizedString
CampusType
AUCodeSetsSchoolLevelType
AdminStatus
AUCodeSetsYesOrNoCategoryType

Figure 3.3.25-1: SchoolInfo

	Element/@Attribute	Char	Description	Type
	SchoolInfo		This object contains information about the school.	
@	RefId	M	The GUID that identifies this school.	RefIdType
	LocalId	O	The locally-assigned identifier for this school.	LocalId
	StateProvinceId	O	The state-assigned identifier for this school.	StateProvinceId
	CommonwealthId	O	Commonwealth identifier for this school/campus.	xs:normalizedString
	SchoolName	M	Name of school/campus.	xs:normalizedString
	LEAInfoRefId	O	The ID (GUID) that references the school district of which this school is a member.	RefIdType
	OtherLEA	O	The ID (GUID) of another related education agency, such as a regional service agency.	RefIdType
@	SIF_RefObject	M	The name of the object reference.	**values:** LEAInfo
	SchoolDistrict	O	The school district of which this school/campus is a member. Equivalent to DEECD Region.	xs:normalizedString
	SchoolDistrictLocalId	O	The school district Local ID. This should be the same as the LocalId in the LEAInfo if LEAInfo details are supplied.	LocalId
	SchoolType	O	An indication of the level of the educational institution.	AUCodeSetsSchoolLevelType
	SchoolFocusList	O	List containing the education focus codes of the campus/school.	List
	SchoolFocusList/SchoolFocus	MR	The type of educational institution as classified by its focus.	AUCodeSetsSchoolFocusCodeType
	SchoolURL	O	URL for the school.	SchoolURL
	SchoolEmailList	O	List of contact emails for the school.	EmailList
	PrincipalInfo	O	Information about the campus or school principal.	PrincipalInfo
	SchoolContactList	O	A list of contact persons associated with a school.	SchoolContactList
	AddressList	O	The school's addresses.	AddressList
	PhoneNumberList	O	The school's phone numbers.	PhoneNumberList
	SessionType	O	Code that specifies the session type.	AUCodeSetsSessionTypeType
	YearLevels	O	List of year levels offered by the school.	YearLevels
	ARIA	O	Accessibility/Remoteness Indicator of Australia.	xs:decimal
	OperationalStatus	O	Operational condition of a school.	OperationalStatus
	FederalElectorate	O	Australian Federal Electorate.	AUCodeSetsFederalElectorateType

	Campus	O	Optional campus details.	
	Campus/SchoolCampusId	M	Campus ID - Needs to be considered as part of school. Different campus' have different addresses.	xs:normalizedString
	Campus/CampusType	O	Type of campus.	AUCodeSetsSchoolLevelType
	Campus/AdminStatus	M	Is this campus the Admin Campus?	AUCodeSetsYesOrNoCategoryType
	SchoolSector	M	(Government, or Non-Government).	AUCodeSetsSchoolSectorCodeType
	IndependentSchool	O	Indicator as to whether school is an independent school (as opposed to government or catholic school).	AUCodeSetsYesOrNoCategoryType
	NonGovSystemicStatus	O	Used to clarify a non-government school's systemic status. Either Systemic or Non-Systemic.	AUCodeSetsSystemicStatusType
	System	O	System if a systemic school.	AUCodeSetsSchoolSystemType
	ReligiousAffiliation	O	Religious affiliation (if any).	AUCodeSetsAustralianStandardClassificationOfReligiousGroupsASCRGType
	SchoolGeographicLocation	O	School Location from MCEETCYA.	AUCodeSetsSchoolLocationType
	LocalGovernmentArea	O	LocalGovernmentArea that that school/campus is located in.	xs:normalizedString
	JurisdictionLowerHouse	O	Lower House area that the school/campus belongs to.	xs:normalizedString
	SLA	O	Statistical Local Area that the school/campus belongs to.	AUCodeSetsAustralianStandardGeographicalClassificationASGCType
	SchoolCoEdStatus	O	Gender of student population.	AUCodeSetsSchoolCoEdStatusType
	BoardingSchoolStatus	O	Is this school a Boarding School?	AUCodeSetsYesOrNoCategoryType
	Entity_Open	O	Opening date of entity.	xs:date
	Entity_Close	O	Closing date of entity. This element is allowed to be omitted and/or null.	xs:date
	SchoolGroupList	O		List
	SchoolGroupList/SchoolGroup	MR	Repeatable element containing a local identifier to identify a loosely connected group of schools. eg. YarraValley Cluster	LocalId
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.25-1: SchoolInfo

```
<SchoolInfo RefId="D3E34B359D75101A8C3D00AA001A1652">
  <LocalId>01011234</LocalId>
  <StateProvinceId>01011234</StateProvinceId>
  <CommonwealthId>012345</CommonwealthId>
  <SchoolName>Lincoln Secondary College</SchoolName>
  <LEAInfoRefId>73648462888624AA5294BC6380173276</LEAInfoRefId>
  <OtherLEA SIF_RefObject="LEAInfo">AA648462888624AA5294BC638017320B</OtherLEA>
  <SchoolDistrict> Southern Metropolitan Region</SchoolDistrict>
  <SchoolType>Pri/Sec</SchoolType>
  <SchoolFocusList>
    <SchoolFocus>01</SchoolFocus>
    <SchoolFocus>03</SchoolFocus>
  </SchoolFocusList>
  <SchoolURL>http://www.lincolnsc.edu.vic.au</SchoolURL>
  <PrincipalInfo>
    <ContactName Type="LGL">
      <Title>Mr</Title>
      <FamilyName>Mason</FamilyName>
      <GivenName>Francis</GivenName>
      <MiddleName>Frank</MiddleName>
      <Suffix>Jr.</Suffix>
      <FullName>Mr Frank Mason Jr.</FullName>
    </ContactName>
    <ContactTitle>Senior School Principal</ContactTitle>
```

```
  </PrincipalInfo>
  <SchoolContactList>
    <SchoolContact>
      <PublishInDirectory>Y</PublishInDirectory>
      <ContactInfo>
        <Name Type="LGL">
          <Title>Mr</Title>
          <FamilyName>Miller</FamilyName>
          <GivenName>James</GivenName>
          <MiddleName>Mark</MiddleName>
          <Suffix>Jr.</Suffix>
          <FullName>Mr James Mark Miller Jr.</FullName>
        </Name>
        <PositionTitle>Business Manager</PositionTitle>
        <Role>School Information Contact Point</Role>
        <Address Type="0123" Role="012B">
          <Street>
            <Line1>23 Nicholson Street</Line1>
          </Street>
          <City>Carnegie</City>
          <StateProvince>VIC</StateProvince>
          <Country>1101</Country>
          <PostalCode>3004</PostalCode>
          <GridLocation>
            <Latitude>23.9876</Latitude>
            <Longitude>-98.8765</Longitude>
          </GridLocation>
        </Address>
        <EmailList>
          <Email Type="01">jmiller@lsc.vic.edu.au</Email>
          <Email Type="02">jmiller@yahoo.com.au</Email>
        </EmailList>
        <PhoneNumberList>
          <PhoneNumber Type="0096">
            <Number>03 9637-2000</Number>
            <Extension>72345</Extension>
            <ListedStatus>Y</ListedStatus>
          </PhoneNumber>
        </PhoneNumberList>
      </ContactInfo>
    </SchoolContact>
  </SchoolContactList>
  <PhoneNumberList>
    <PhoneNumber Type="0096">
      <Number>03 9637-2000</Number>
    </PhoneNumber>
  </PhoneNumberList>
  <SessionType>0827</SessionType>
  <YearLevels>
    <YearLevel>
      <Code>6</Code>
    </YearLevel>
    <YearLevel>
      <Code>7</Code>
    </YearLevel>
    <YearLevel>
      <Code>8</Code>
    </YearLevel>
    <YearLevel>
      <Code>9</Code>
    </YearLevel>
    <YearLevel>
      <Code>10</Code>
    </YearLevel>
    <YearLevel>
      <Code>11</Code>
    </YearLevel>
    <YearLevel>
      <Code>12</Code>
    </YearLevel>
  </YearLevels>
  <ARIA>1.0</ARIA>
  <OperationalStatus>O</OperationalStatus>
  <FederalElectorate>216</FederalElectorate>
  <Campus>
    <SchoolCampusId>01</SchoolCampusId>
    <CampusType>Camp</CampusType>
    <AdminStatus>Y</AdminStatus>
  </Campus>
  <SchoolSector>NG</SchoolSector>
  <IndependentSchool>Y</IndependentSchool>
  <NonGovSystemicStatus>S</NonGovSystemicStatus>
  <System>0003</System>
  <ReligiousAffiliation>2171</ReligiousAffiliation>
  <SchoolGeographicLocation>1</SchoolGeographicLocation>
  <LocalGovernmentArea>Cardinia</LocalGovernmentArea>
  <JurisdictionLowerHouse>Unknown</JurisdictionLowerHouse>
  <SLA>205801452</SLA>
  <SchoolCoEdStatus>C</SchoolCoEdStatus>
  <SchoolGroupList>
    <SchoolGroup>YVC</SchoolGroup>
    <SchoolGroup>EastSec01</SchoolGroup>
  </SchoolGroupList>
</SchoolInfo>
```


Example 3.3.25-1: SchoolInfo

3.3.26 SchoolPrograms

This object contains information about Programs offered by a school.

SIF_Events are reported for this object.

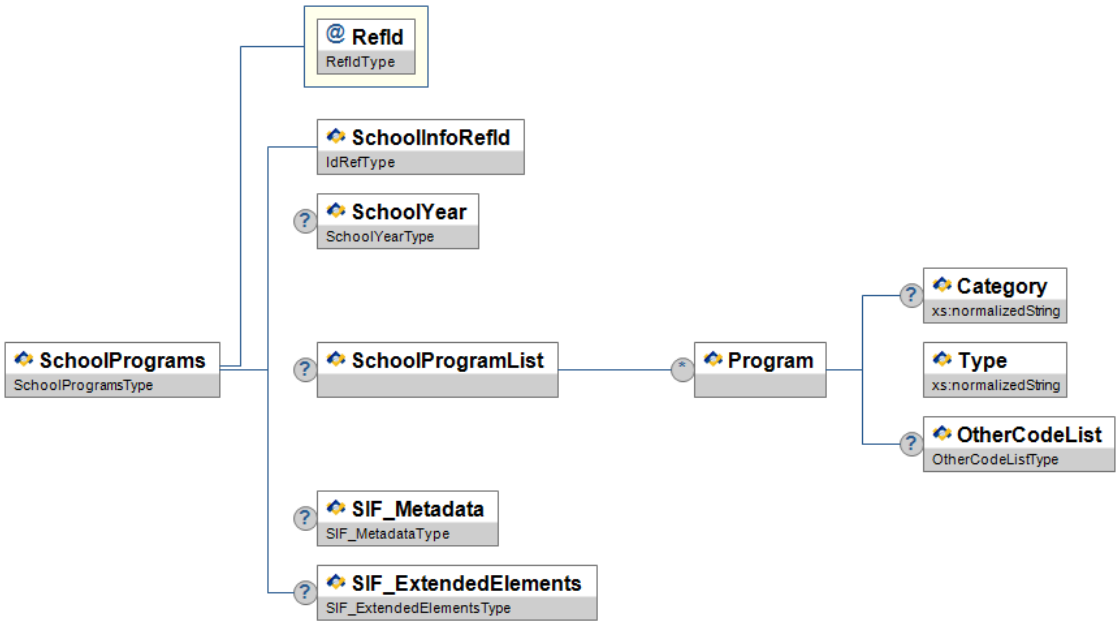


Figure 3.3.26-1: SchoolPrograms

	Element/@Attribute	Char	Description	Type
	SchoolPrograms		This object contains information about Programs offered by a school.	
@	RefId	M	GUID that uniquely identifies this instance of the object.	RefIdType
	SchoolInfoRefId	M	GUID that identifies the school offering this program.	IdRefType
	SchoolYear	O	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2009").	SchoolYear
	SchoolProgramList	O	List of School Programs	List
	SchoolProgramList/Program	OR		
	SchoolProgramList/Program/Category	O	Program Category	xs:normalizedString
	SchoolProgramList/Program/Type	M	Program Type	xs:normalizedString
	SchoolProgramList/Program/OtherCodeList	O		OtherCodeList
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.26-1: SchoolPrograms

```
<SchoolPrograms RefId="D3E34B359D75101A8C3D00AA001A1652">
  <SchoolInfoRefId>73648462888624AA5294BC6380173276</SchoolInfoRefId>
  <SchoolYear>2009</SchoolYear>
  <SchoolProgramList>
    <Program>
      <Category>01</Category>
      <Type>Steiner program</Type>
    </Program>
    <Program>
      <Category>01</Category>
      <Type>Tournament of minds</Type>
    </Program>
  </SchoolProgramList>
</SchoolPrograms>
```

Example 3.3.26-1: SchoolPrograms

3.3.27 SessionInfo

This object provides the link between Period Attendance and the school's timetable. It allows subject and teaching group information to be communicated to/from the attendance system.

This object provides information about the session the specific instance of a timetable cell for against which the attendance is recorded. (Please note, the TimeTableCell object represents a session scheduled in a timetable. There may be many SessionInfo objects for the same TimeTableCell each for a different week/fortnight, depending on the length of the timetable schedule. Attendance is recorded against the SessionInfo object.

SIF_Events are reported for this object.

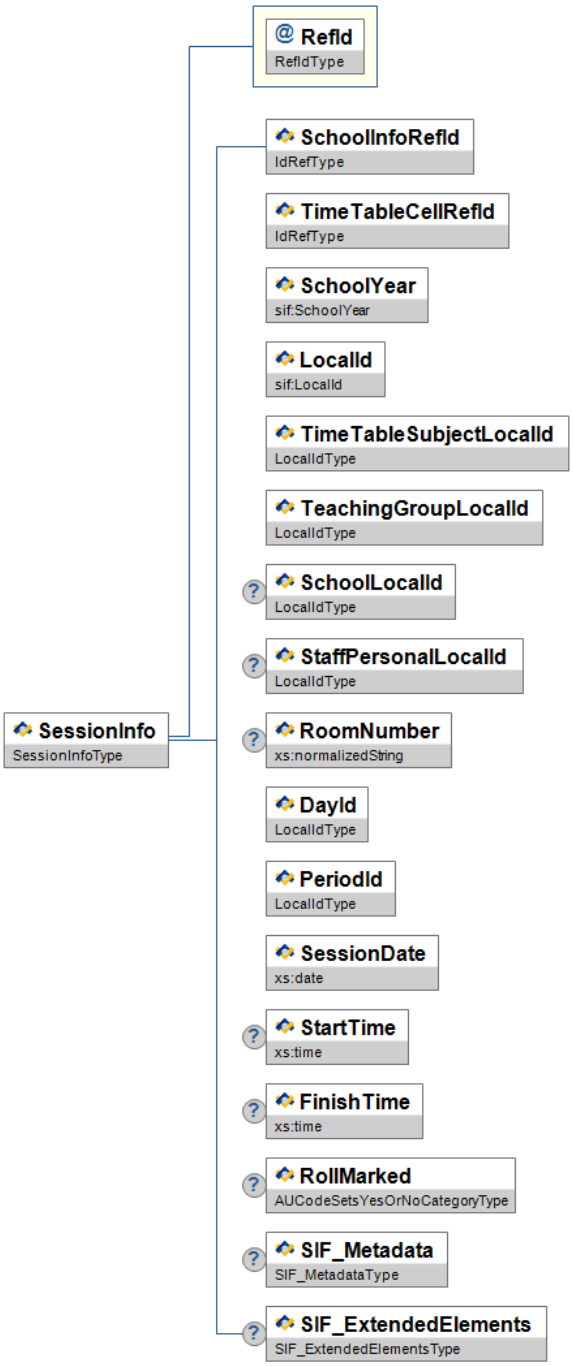


Figure 3.3.27-1: SessionInfo

	Element/@Attribute	Char	Description	Type
	SessionInfo		This object provides the link between Period Attendance and the school's timetable. It allows subject and teaching group information to be communicated to/from the attendance system. This object provides information about the session the specific instance of a timetable cell for against which the attendance is recorded. (Please note, the TimeTableCell object represents a session scheduled in a timetable. There may be many SessionInfo objects for the same TimeTableCell each for a different week/fortnight, depending on the length of the timetable schedule. Attendance is recorded against the SessionInfo object.	
@	RefId	M	The GUID of the Object	RefIdType
	SchoolInfoRefId	M	The ID (GUID) of the school for which this attendance information is being reported.	IdRefType
	TimeTableCellRefId	M	The (GUID) of the piece of Curriculum (TT Grid) scheduled	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").	SchoolYear

	LocalId	M	Session Local Identifier	LocalId
	TimeTableSubjectLocalId	M	TimeTableSubject Local Identifier	LocalId
	TeachingGroupLocalId	M	Teaching Group Local Identifier	LocalId
	SchoolLocalId	O	School Local Identifier	LocalId
	StaffPersonalLocalId	O	Staff Local Identifier	LocalId
	RoomNumber	C	Room number as presented to the user or application. Needs to be provided if changed from TimeTableCell.	xs:normalizedString
	DayId	M	Day Id	LocalId
	PeriodId	M	Period Id within the Day Id	LocalId
	SessionDate	M	Date of Session	xs:date
	StartTime	O	Optional Start Time	xs:time
	FinishTime	O	Optional End Time	xs:time
	RollMarked	O	Was the Roll Marked for this Period?	AUCodeSetsYesOrNoCategoryType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.27-1: SessionInfo

```
<SessionInfo RefId="98157AA013BA8C3D00AA012B359D7512">
  <SchoolInfoRefId>11737EA4301CADCA75C87214A7C46BDB</SchoolInfoRefId>
  <TimeTableCellRefId>A75A00101A8C301D02E3A05B359D0A00</TimeTableCellRefId>
  <SchoolYear>2008</SchoolYear>
  <LocalId>2</LocalId>
  <TimeTableSubjectLocalId>10MA1</TimeTableSubjectLocalId>
  <SchoolLocalId>01991</SchoolLocalId>
  <StaffPersonalLocalId>SMI009</StaffPersonalLocalId>
  <RoomNumber>R08</RoomNumber>
  <DayId>1</DayId>
  <PeriodId>5</PeriodId>
  <SessionDate>2008-10-10</SessionDate>
  <StartTime>12:05:00</StartTime>
  <FinishTime>13:30:00</FinishTime>
  <RollMarked>Y</RollMarked>
</SessionInfo>
```

Example 3.3.27-1: SessionInfo

3.3.28 SIF_ReportObject

This object is an envelope used to send other data objects, typically reports, to authorities such as state departments of education, district offices, other schools, etc. It is also used to signal a data collector agent that a report is compiled and ready to be requested. SIF_ReportObject contains a data object, which is either complete or partial (a partial data object is one that contains a subset of the elements for the data object). One or a series of SIF_ReportObjects contained within one or a series of related SIF_Response messages makes up a complete report.

SIF_Events are reported for this object.

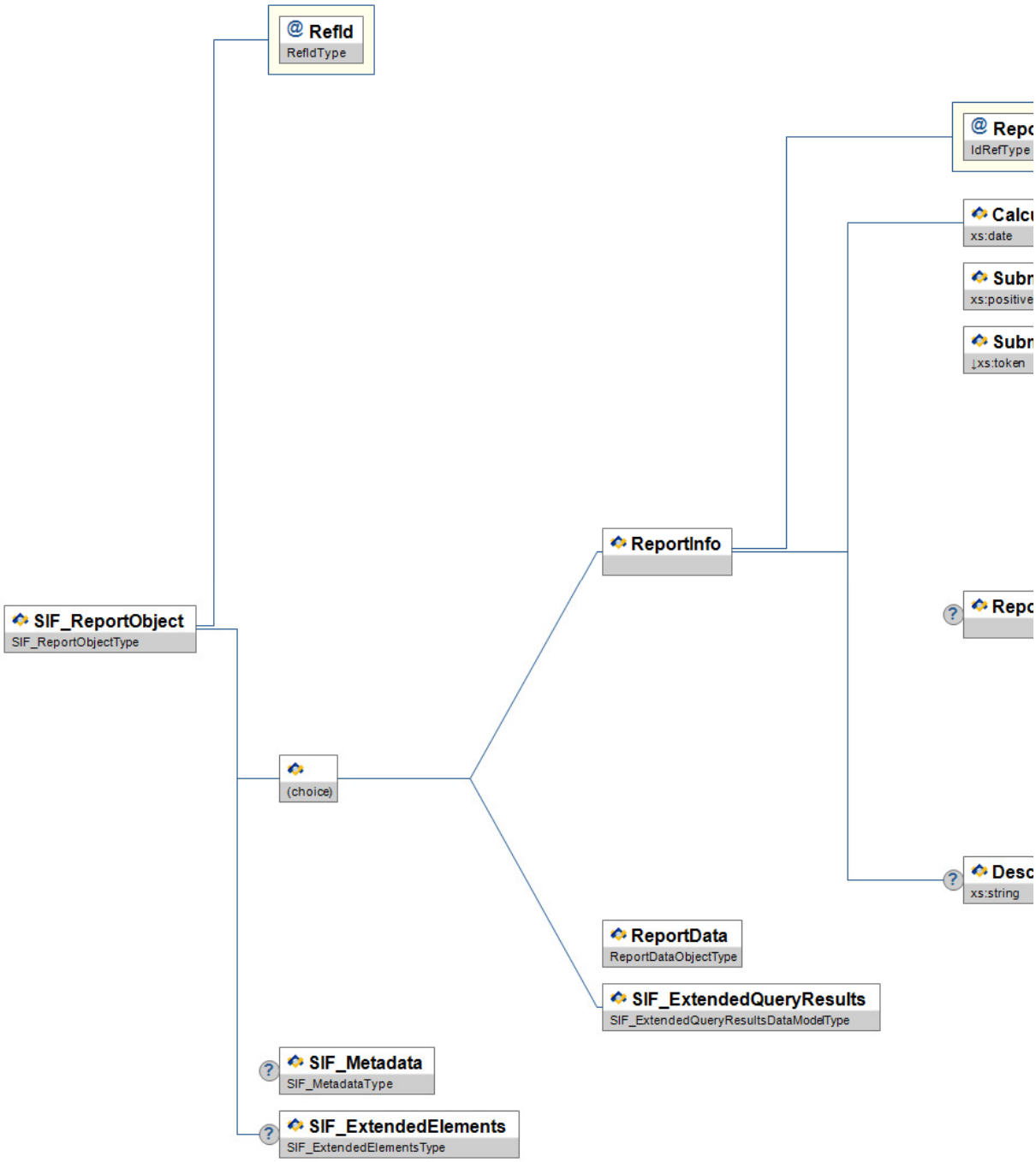


Figure 3.3.28-1: SIF_ReportObject

	Element/@Attribute	Char	Description	Type
	SIF_ReportObject		This object is an envelope used to send other data objects, typically reports, to authorities such as state departments of education, district offices, other schools, etc. It is also used to signal a data collector agent that a report is compiled and ready to be requested. SIF_ReportObject contains a data object, which is either complete or partial (a partial data object is one that contains a subset of the elements for the data object). One or a series of SIF_ReportObjects contained within one or a series of related SIF_Response messages makes up a complete report.	
@	RefId	M	The ID (GUID) that uniquely identifies this instance of a report.	RefIdType
	ReportInfo	C	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
	ReportInfo/CalculationDate	M	The date on which the report was calculated.	xs:date

	ReportInfo/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`

	ReportInfo/SubmissionReason	M	Reason for the report submission.	**values:**
				
				`Initial`
				`Correction`
				`Revision`
				`Addition`

	ReportInfo/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.	
	ReportInfo/ReportSubmitterInfo/ 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

	ReportInfo/ReportSubmitterInfo/ 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`
	ReportInfo/ReportSubmitterInfo/ SubmitterDepartment	O	Department, office, or subdivision of the agency submitting the report.	`xs:normalizedString`
	ReportInfo/ReportSubmitterInfo/ ContactInfo	O	Information on the contact person in this agency submitting the report.	`ContactInfo`
	ReportInfo/ReportSubmitterInfo/ Address	O		`Address`
	ReportInfo/ReportSubmitterInfo/ PhoneNumber	O		`PhoneNumber`
	ReportInfo/ReportSubmitterInfo/ 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`
	ReportInfo/Description	O		`xs:string`
	ReportData	C	Container element for the report content; one valid SIF object can occur as a child here. This element is conditional. This element or `ReportInfo` or `SIF_ExtendedQueryResults` is included but never at the same time. See examples of the usage of the object below.	`ReportDataObjectType`
	SIF_ExtendedQueryResults	C	The report content resulting from a `SIF_ExtendedQuery`-based report. This element is conditional. This element or `ReportInfo` or `ReportData` is included but never at the same time.	`SIF_ExtendedQueryResults`
	SIF_Metadata	O		`SIF_Metadata`
	SIF_ExtendedElements	O		`SIF_ExtendedElements`

Table 3.3.28-1: SIF_ReportObject

```
<SIF_Message Version="2.5" xmlns="http://www.sifinfo.org/au/infrastructure/2.x">
  <SIF_Response>
    <SIF_Header>
      <SIF_MsgId>FAE9D90A38F84B729C92F868CB63C9F3</SIF_MsgId>
      <SIF_Timestamp>2006-10-15T09:23:26-05:00</SIF_Timestamp>
      <SIF_SourceId>XXXX Agent</SIF_SourceId>
      <SIF_DestinationId>STATE</SIF_DestinationId>
    </SIF_Header>
    <SIF_RequestMsgId>EB79C3D1FF1911D785138B604A511DAD</SIF_RequestMsgId>
    <SIF_PacketNumber>1</SIF_PacketNumber>
    <SIF_MorePackets>No</SIF_MorePackets>
    <SIF_ObjectData>
      <SIF_ReportObject RefId="B234516384746B387459000F84723A00">
        <ReportInfo ReportManifestRefId="B234516384746B387459000F84723A00">
          <CalculationDate>2003-08-19</CalculationDate>
          <SubmissionNumber>1</SubmissionNumber>
          <SubmissionReason>Initial</SubmissionReason>
          <ReportSubmitterInfo>
            <SubmitterName>Wasatch School District 441</SubmitterName>
            <SubmitterDepartment>Central Data Services Center</SubmitterDepartment>
            <ContactInfo>
              <Name Type="LGL">
                <Title>Mr</Title>
                <FamilyName>Miller</FamilyName>
                <GivenName>James</GivenName>
                <MiddleName>Frank</MiddleName>
```

```
                <Suffix>Jr.</Suffix>
                <FullName>Mr James Frank Miller Jr.</FullName>
              </Name>
              <PositionTitle>Business Manager</PositionTitle>
              <Role>School Information Contact Point</Role>
              <Address Type="0123" Role="012B">
                <Street>
                  <Line1>23 Nicholson Street</Line1>
                </Street>
                <City>Carnegie</City>
                <StateProvince>VIC</StateProvince>
                <Country>1101</Country>
                <PostalCode>3004</PostalCode>
                <GridLocation>
                  <Latitude>23.9876</Latitude>
                  <Longitude>-98.8765</Longitude>
                </GridLocation>
              </Address>
              <EmailList>
                <Email Type="01">jmiller@lsc.vic.edu.au</Email>
                <Email Type="02">jmiller@yahoo.com.au</Email>
              </EmailList>
              <PhoneNumberList>
                <PhoneNumber Type="0096">
                  <Number>03 9637-2000</Number>
                  <Extension>72345</Extension>
                  <ListedStatus>Y</ListedStatus>
                </PhoneNumber>
              </PhoneNumberList>
            </ContactInfo>
            <PhoneNumber Type="0096">
              <Number>(55) 5555-1010</Number>
            </PhoneNumber>
            <SubmitterNotes>Wasatch School District's Vertical Reporting policies can be found on-line at http://www.wasatchsif.org/policies/vr.html. P
          </ReportSubmitterInfo>
        </ReportInfo>
      </SIF_ReportObject>
      <SIF_ReportObject RefId="B234516384746B387459000F84723A00">
        <ReportData>
          <StudentPersonal RefId="5D1F2390F33F11D7B64CD17E020C45AB" />
        </ReportData>
      </SIF_ReportObject>
      <SIF_ReportObject RefId="B234516384746B387459000F84723A00">
        <ReportData>
          <StudentSchoolEnrollment RefId="5DF9A510F33F11D7B64C970DE3494F35" />
        </ReportData>
      </SIF_ReportObject>
      <SIF_ReportObject RefId="B234516384746B387459000F84723A00">
        <ReportData>
          <SchoolInfo RefId="56E86900F33F11D7B64CBCCE0CB2E03A" />
        </ReportData>
      </SIF_ReportObject>
    </SIF_ObjectData>
  </SIF_Response>
</SIF_Message>
```


Example 3.3.28-1: SIF_ReportObject

3.3.29 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.

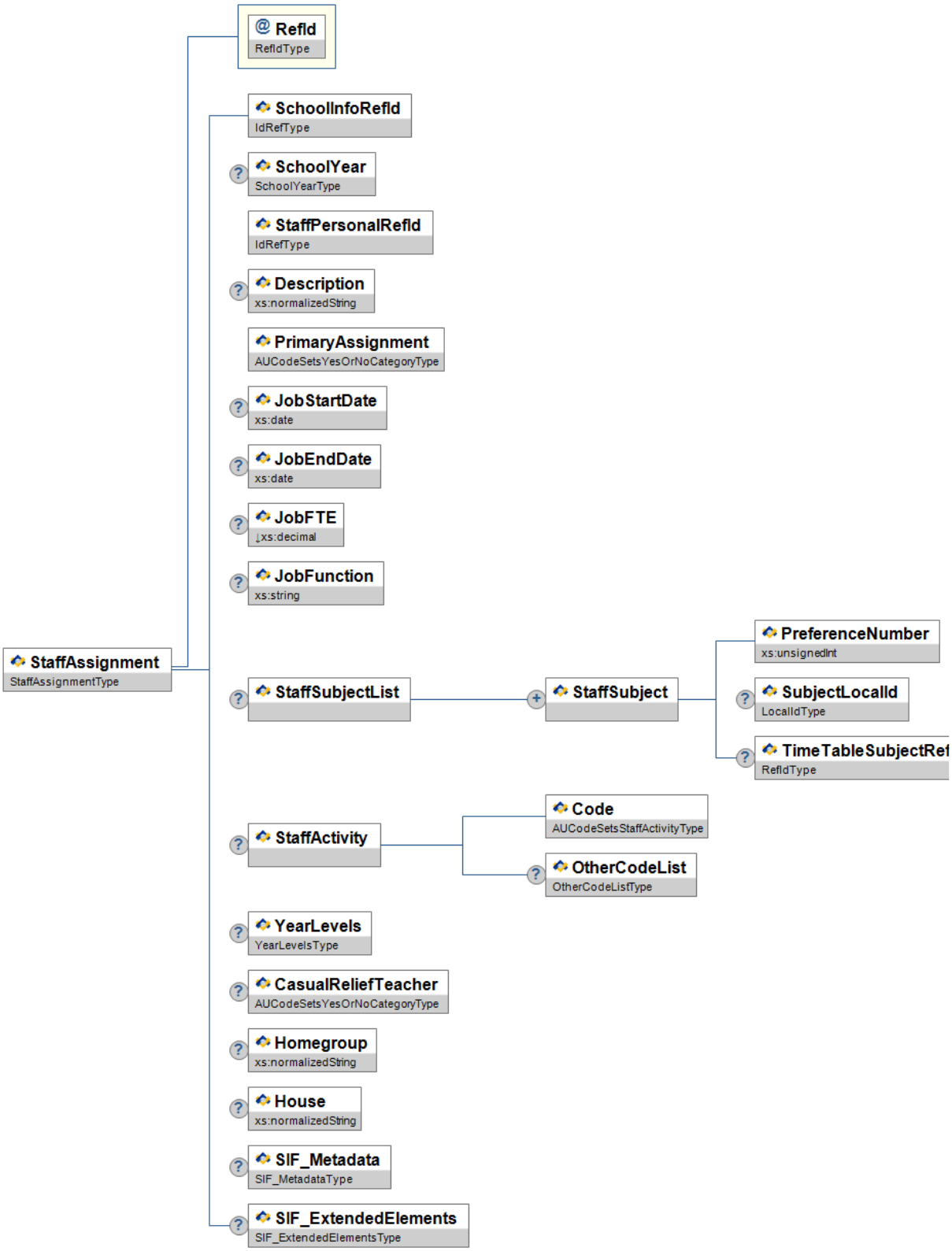


Figure 3.3.29-1: StaffAssignment

	Element/@Attribute	Char	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	The ID (GUID) that identifies the school where the staff member is assigned.	IdRefType
	SchoolYear	O	School year for which the information is applicable, expressed as the four-digit year in which the	SchoolYear

			school year ends (e.g., 2007). Release 1.2 allows this to be optional as JobStart and EndDate allow for this Object to be used over more than one year.	
	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.	AUCodeSetsYesOrNoCategoryType
	JobStartDate	O	This is the date from which the staff assignment is valid (inclusive).	xs:date
	JobEndDate	O	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.	xs:string
	StaffSubjectList	O	Subject(s) Staff member is eligible to teach.	List
	StaffSubjectList/StaffSubject	MR	This element contains Staff subjects they are eligible to teach together with the teaching preference.	
	StaffSubjectList/StaffSubject/ PreferenceNumber	M	Priority of Subject to Teach.	xs:unsignedInt
	StaffSubjectList/StaffSubject/ SubjectLocalId	O	Local Subject Id	LocalId
	StaffSubjectList/StaffSubject/ TimeTableSubjectRefId	O	RefId of TimeTableSubject	RefIdType
	StaffActivity	O	The purpose of the Teacher's role as related to students. Equivalent to 'JobFunction' in US Object.	
	StaffActivity/Code	M	Code representing the type of staff activity undertaken.	AUCodeSetsStaffActivityType
	StaffActivity/OtherCodeList	O		OtherCodeList
	YearLevels	O	Year level(s) that the teacher is allowed to teach.	YearLevels
	CasualReliefTeacher	O	Is this teacher a casual relief teacher CRT?	AUCodeSetsYesOrNoCategoryType
	Homegroup	O	The name of the homegroup the staff member is assigned to.	xs:normalizedString
	House	O	The name of the house the staff member is assigned to.	xs:normalizedString
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.29-1: StaffAssignment

```
<StaffAssignment RefId="D3E34B359D75101A8C3D00AA001A1652">
  <SchoolInfoRefId>A8C3D3E34B359D75101D00AA001A1652</SchoolInfoRefId>
  <SchoolYear>2008</SchoolYear>
  <StaffPersonalRefId>D3E34B359D75101A8C3D00AA001A1651</StaffPersonalRefId>
  <Description>VCE English Teacher</Description>
  <PrimaryAssignment>Y</PrimaryAssignment>
  <JobStartDate>2000-09-05</JobStartDate>
  <JobEndDate>2001-06-25</JobEndDate>
  <JobFTE>1.00</JobFTE>
  <JobFunction>Teacher</JobFunction>
  <StaffSubjectList>
    <StaffSubject>
      <PreferenceNumber>1</PreferenceNumber>
      <SubjectLocalId>English</SubjectLocalId>
    </StaffSubject>
    <StaffSubject>
      <PreferenceNumber>2</PreferenceNumber>
      <SubjectLocalId>Mathematics</SubjectLocalId>
    </StaffSubject>
    <StaffSubject>
      <PreferenceNumber>3</PreferenceNumber>
      <SubjectLocalId>Science</SubjectLocalId>
    </StaffSubject>
```

```
    </StaffSubjectList>
    <YearLevels>
      <YearLevel>
        <Code>11</Code>
      </YearLevel>
      <YearLevel>
        <Code>12</Code>
      </YearLevel>
    </YearLevels>
    <CasualReliefTeacher>N</CasualReliefTeacher>
  </StaffAssignment>
```

Example 3.3.29-1: StaffAssignment

3.3.30 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.

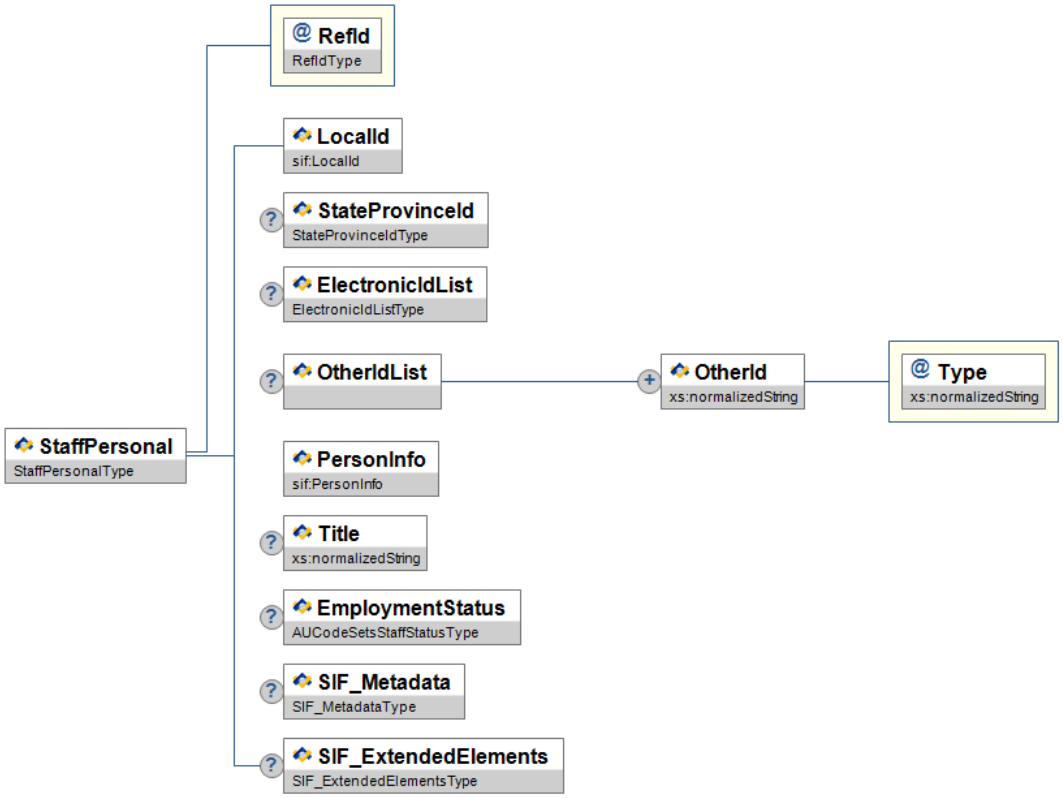


Figure 3.3.30-1: StaffPersonal

	Element/@Attribute	Char	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.	`LocalId`
	StateProvinceId	O	The state-assigned identifier for this staff member.	`StateProvinceId`
	ElectronicIdList	O	Electronic identifier(s) associated with this entity.	`ElectronicIdList`
	OtherIdList	O	Lists all "other" identifiers associated with the staff member.	`List`
	OtherIdList/OtherId	MR	Lists an "other" identifier associated with the staff member.	`xs:normalizedString`
@	Type	M	Code that defines the type of this other ID.	`xs:normalizedString`

	PersonInfo	M	Personal Information	PersonInfo
	Title	O	The staff member's title.	xs:normalizedString
	EmploymentStatus	O	Status of staff member within employing organisation.	AUCodeSetsStaffStatusType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.30-1: StaffPersonal


```
<StaffPersonal RefId="D3E34F419D75101A8C3D00AA001A1652">
  <LocalId>946379881</LocalId>
  <StateProvinceId>C2345681</StateProvinceId>
  <ElectronicIdList>
    <ElectronicId Type="01">206655</ElectronicId>
  </ElectronicIdList>
  <OtherIdList>
    <OtherId Type="0004">333333333</OtherId>
  </OtherIdList>
  <PersonInfo>
    <Name Type="LGL">
      <FamilyName>Smith</FamilyName>
      <GivenName>Fred</GivenName>
      <FullName>Fred Smith</FullName>
    </Name>
    <OtherNames>
      <Name Type="AKA">
        <FamilyName>Anderson</FamilyName>
        <GivenName>Samuel</GivenName>
        <FullName>Samuel Anderson</FullName>
      </Name>
      <Name Type="PRF">
        <FamilyName>Rowinski</FamilyName>
        <GivenName>Sam</GivenName>
        <FullName>Sam Rowinski </FullName>
      </Name>
    </OtherNames>
    <Demographics>
      <IndigenousStatus>3</IndigenousStatus>
      <Sex>1</Sex>
      <BirthDate>1990-09-26</BirthDate>
      <BirthDateVerification>1004</BirthDateVerification>
      <PlaceOfBirth>Clayton</PlaceOfBirth>
      <StateOfBirth>VIC</StateOfBirth>
      <CountryOfBirth>1101</CountryOfBirth>
      <CountriesOfCitizenship>
        <CountryOfCitizenship>8104</CountryOfCitizenship>
        <CountryOfCitizenship>1101</CountryOfCitizenship>
      </CountriesOfCitizenship>
      <CountriesOfResidency>
        <CountryOfResidency>8104</CountryOfResidency>
        <CountryOfResidency>1101</CountryOfResidency>
      </CountriesOfResidency>
      <CountryArrivalDate>1990-09-26</CountryArrivalDate>
      <AustralianCitizenshipStatus>1</AustralianCitizenshipStatus>
      <EnglishProficiency>
        <Code>1</Code>
      </EnglishProficiency>
      <LanguageList>
        <Language>
          <Code>0001</Code>
          <LanguageType>1</LanguageType>
        </Language>
      </LanguageList>
      <DwellingArrangement>
        <Code>1671</Code>
      </DwellingArrangement>
      <Religion>
        <Code>2013</Code>
      </Religion>
      <ReligiousEventList>
        <ReligiousEvent>
          <Type>Baptism</Type>
          <Date>2000-09-01</Date>
        </ReligiousEvent>
        <ReligiousEvent>
          <Type>Christmas</Type>
          <Date>2009-12-24</Date>
        </ReligiousEvent>
      </ReligiousEventList>
      <ReligiousRegion>The Religion Region</ReligiousRegion>
      <PermanentResident>P</PermanentResident>
      <VisaSubClass>101</VisaSubClass>
      <VisaStatisticalCode>05</VisaStatisticalCode>
    </Demographics>
    <AddressList>
      <Address Type="0123" Role="012A">
        <Street>
          <Line1>Unit1/10</Line1>
          <Line2>Barkley Street</Line2>
        </Street>
        <City>Yarra Glenn</City>
        <StateProvince>VIC</StateProvince>
        <Country>1101</Country>
        <PostalCode>9999</PostalCode>
      </Address>
      <Address Type="0123A" Role="1073">
        <Street>
          <Line1>34 Term Address Street</Line1>
        </Street>
        <City>Home Town</City>
        <StateProvince>WA</StateProvince>
        <Country>1101</Country>
        <PostalCode>9999</PostalCode>
      </Address>
    </AddressList>
    <PhoneNumberList>
      <PhoneNumber Type="0096">
        <Number>03 9637-2289</Number>
        <Extension>72289</Extension>
        <ListedStatus>Y</ListedStatus>
      </PhoneNumber>
      <PhoneNumber Type="0888">
        <Number>0437-765-234</Number>
        <ListedStatus>N</ListedStatus>
      </PhoneNumber>
    </PhoneNumberList>
    <EmailList>
```

```
      <Email Type="01">fsmith@yahoo.com</Email>
      <Email Type="02">freddy@gmail.com</Email>
    </EmailList>
  </PersonInfo>
  <Title>Principal</Title>
  <EmploymentStatus>A</EmploymentStatus>
</StaffPersonal>
```

Example 3.3.30-1: StaffPersonal

3.3.31 StudentActivityInfo

Co-curricular or extra-curricular activities (e.g., student organizations, inter-school sports, athletics, publications, band, orchestra, and service activities) in which students may participate.

SIF_Events are reported for this object.

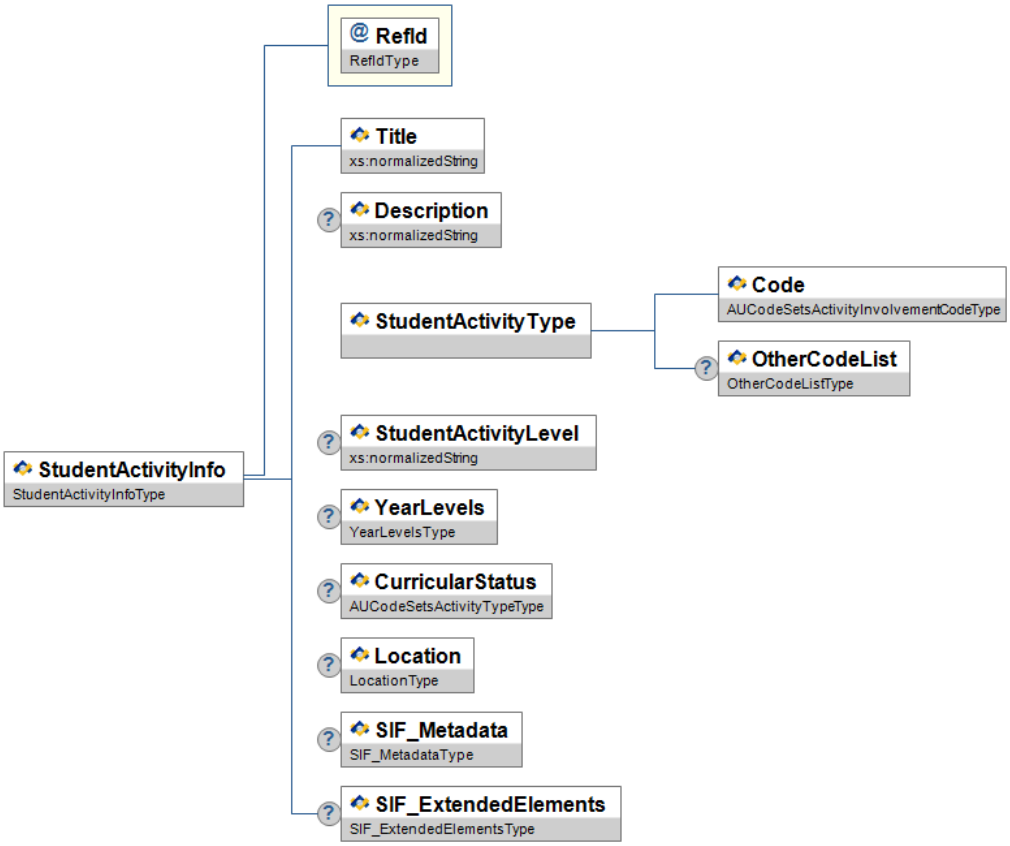


Figure 3.3.31-1: StudentActivityInfo

	Element/@Attribute	Char	Description	Type
	StudentActivityInfo		Co-curricular or extra-curricular activities (e.g., student organizations, inter-school sports, athletics, 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	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.	
	StudentActivityType/Code	M	Code identifying the co-curricular or extra-curricular activity.	`AUCodeSetsActivityInvolvementCodeType`
	StudentActivityType/OtherCodeList	O		`OtherCodeList`
	StudentActivityLevel	O	A description of the separation of level in the activity (e.g.,House, Inter-school, Club, State, National).	`xs:normalizedString`
	YearLevels			`YearLevels`

		O	Collection of grade levels applicable to this co-curricular or extra-curricular activity.	
	CurricularStatus	O	An indication of the degree to which an activity is related to a student's curriculum.	AUCodeSetsActivityTypeType
	Location	O	Location where the activity takes place.	Location
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.31-1: StudentActivityInfo

```
<StudentActivityInfo RefId="6472B2610947583A463DBB345291B001">
  <Title>Book Club</Title>
  <Description>Group of middle school students promoting reading</Description>
  <StudentActivityType>
    <Code>6011</Code>
    <OtherCodeList>
      <OtherCode Codeset="Local">MBook</OtherCode>
    </OtherCodeList>
  </StudentActivityType>
  <StudentActivityLevel>Middle School</StudentActivityLevel>
  <YearLevels>
    <YearLevel>
      <Code>5</Code>
    </YearLevel>
    <YearLevel>
      <Code>6</Code>
    </YearLevel>
    <YearLevel>
      <Code>7</Code>
    </YearLevel>
    <YearLevel>
      <Code>8</Code>
    </YearLevel>
  </YearLevels>
  <CurricularStatus>0750</CurricularStatus>
  <Location Type="Classroom">
    <LocationName>Beaconhills Middle School Library</LocationName>
    <LocationRefId SIF_RefObject="RoomInfo">947582610947583ACEB2BB345291BAAA</LocationRefId>
  </Location>
</StudentActivityInfo>
```

Example 3.3.31-1: StudentActivityInfo

3.3.32 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.

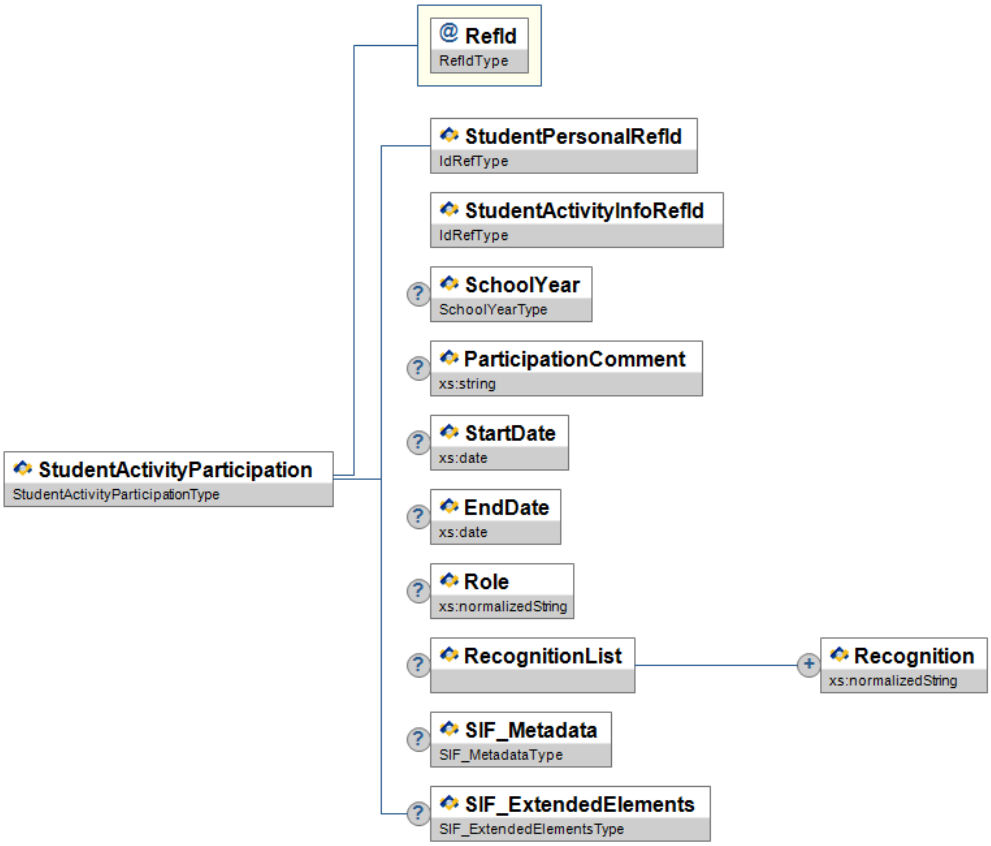


Figure 3.3.32-1: StudentActivityParticipation

	Element/@Attribute	Char	Description	Type
	StudentActivityParticipation		This object provides information on a co-curricular or extra-curricular activity in which a student participates during a given school year.	
@	RefId	M	The ID (GUID) that uniquely identifies the 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	O	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2009").	SchoolYear
	ParticipationComment	O	Comment related to the student's participation in the activity.	xs:string
	StartDate	O	This is the date which the activity participation is valid (inclusive).	xs:date
	EndDate	O	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.	List
	RecognitionList/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:normalizedString
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.32-1: StudentActivityParticipation

```
<StudentActivityParticipation RefId="9ECC96830E02406F926C1C4D3542D122">
  <StudentPersonalRefId>646C5D4AC8294886A02B971695C7BC06</StudentPersonalRefId>
  <StudentActivityInfoRefId>6472B2610947583A463DBB345291B001</StudentActivityInfoRefId>
  <SchoolYear>2009</SchoolYear>
  <ParticipationComment>First year of participation</ParticipationComment>
  <StartDate>2008-09-01</StartDate>
  <Role>Team member</Role>
  <RecognitionList>
    <Recognition>0750</Recognition>
  </RecognitionList>
</StudentActivityParticipation>
```

Example 3.3.32-1: StudentActivityParticipation

3.3.33 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.

True

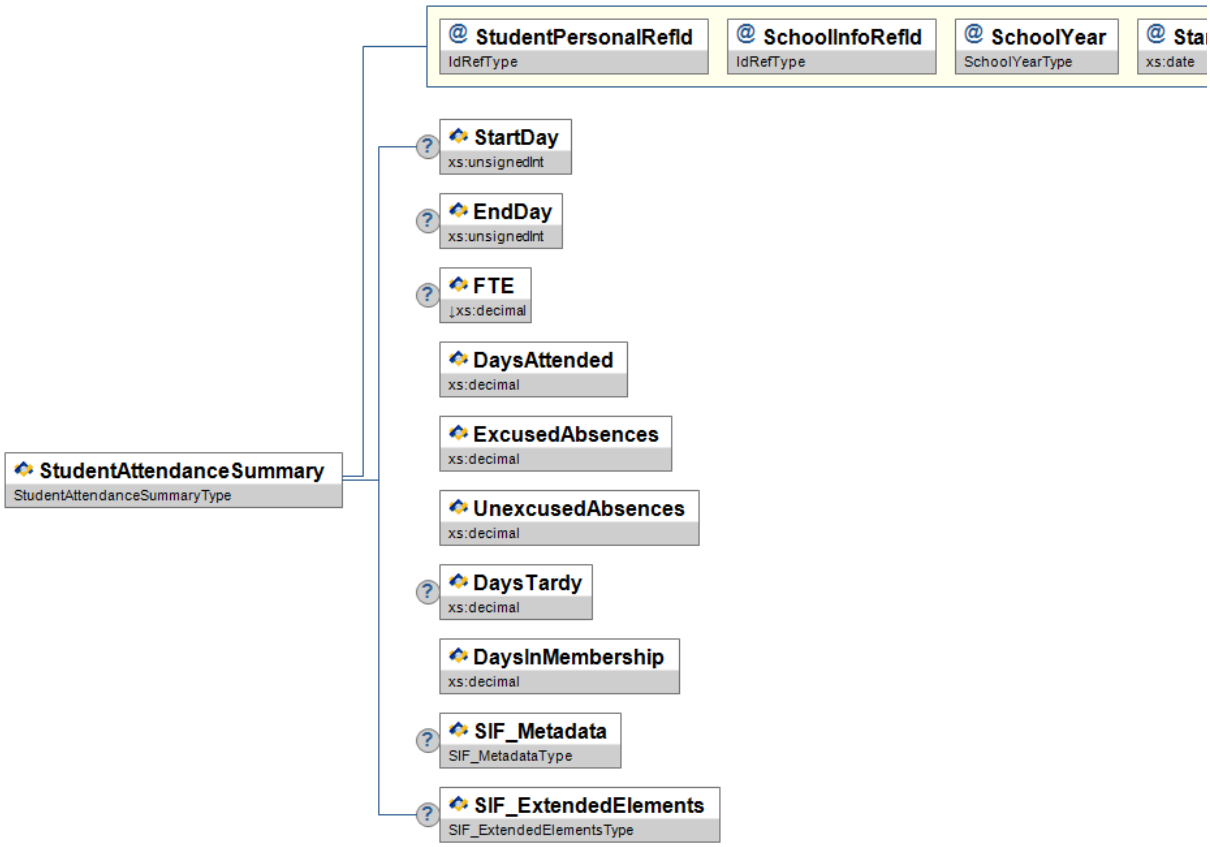


Figure 3.3.33-1: StudentAttendanceSummary

	Element/@Attribute	Char	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.	
@	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.	SchoolYear
@	StartDate	M	Starting date of this attendance reporting period.	xs:date
@	EndDate	M	Ending date of this attendance reporting period.	xs:date
	StartDay	O	Number of the school day represented in StartDate.	xs:unsignedInt
	EndDay	O	Number of the school day represented in EndDate.	xs:unsignedInt
	FTE	O	Full time equivalent numeric value of the student's course load during this attendance period, expressed in decimal form, where 1.00 represents a full time enrollment.	xs:decimal xs:minInclusive 0 xs:maxInclusive 1 xs:fractionDigits 2
	DaysAttended	M	The number of days the student attended school when school was in session between the StartDate and EndDate, inclusive.	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.	xs:decimal
	UnexcusedAbsences	M	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.	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.	xs:decimal
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.33-1: StudentAttendanceSummary

```
<StudentAttendanceSummary StudentPersonalRefId="D3476FAE8647384BDA2431EDA3583211" SchoolInfoRefId="CA285746359D75101A8C36432A901A16" SchoolYear="2005"
  <StartDay>1</StartDay>
  <EndDay>180</EndDay>
  <FTE>1.00</FTE>
  <DaysAttended>178</DaysAttended>
  <ExcusedAbsences>2</ExcusedAbsences>
  <UnexcusedAbsences>0</UnexcusedAbsences>
  <DaysTardy>3</DaysTardy>
  <DaysInMembership>180</DaysInMembership>
</StudentAttendanceSummary>
```

Example 3.3.33-1: StudentAttendanceSummary

3.3.34 StudentContactPersonal

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

SIF_Events are reported for this object.

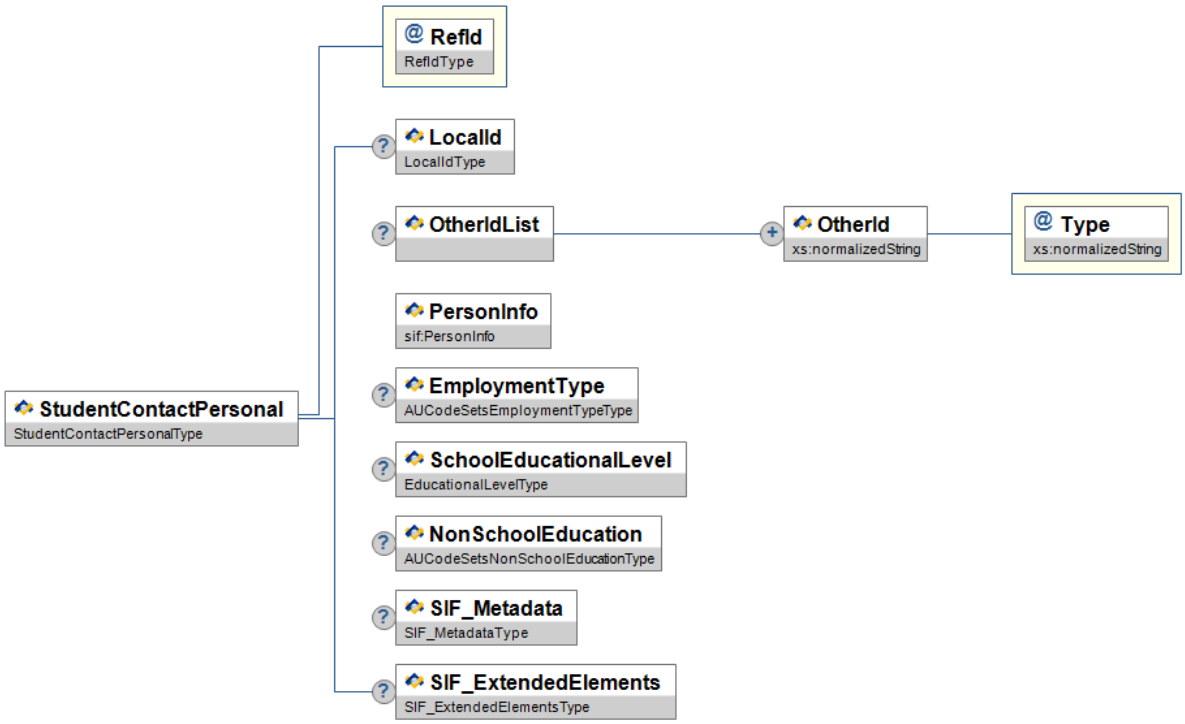


Figure 3.3.34-1: StudentContactPersonal

	Element/@Attribute	Char	Description	Type
	StudentContactPersonal		This object contains information about the people who are referenced as student contacts.	
@	RefId	M	The ID (GUID) that uniquely identifies the instance of the object.	RefIdType
	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 StudentContactPersonal instance with the same LocalId.	LocalId
	OtherIdList	O	Lists all "other" identifiers associated with the student.	List
	OtherIdList/OtherId	MR	Lists an "other" identifier associated with the student.	xs:normalizedString
@	Type	M	Code that defines the type of this other ID.	xs:normalizedString
	PersonInfo	M	Personal Information	PersonInfo

	EmploymentType	O	Code that defines employment type. This is compulsory for Parents or Guardians of the Student.	AUCodeSetsEmploymentTypeType
	SchoolEducationalLevel	O	The highest level of education completed by the contact person.	EducationalLevel
	NonSchoolEducation	O	This reflects the level of the Contact's Non-School Education.	AUCodeSetsNonSchoolEducationType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.34-1: StudentContactPersonal


```
<StudentContactPersonal RefId="7C834EA9EDA12090347F83297E1C290F">
  <LocalId>P1234567</LocalId>
  <OtherIdList>
    <OtherId Type="Health Care Card">098765</OtherId>
    <OtherId Type="Seniors Card">123456789</OtherId>
  </OtherIdList>
  <PersonInfo>
    <Name Type="LGL">
      <FamilyName>Smith</FamilyName>
      <GivenName>Fred</GivenName>
      <FullName>Fred Smith</FullName>
    </Name>
    <OtherNames>
      <Name Type="AKA">
        <FamilyName>Anderson</FamilyName>
        <GivenName>Samuel</GivenName>
        <FullName>Samuel Anderson</FullName>
      </Name>
      <Name Type="PRF">
        <FamilyName>Rowinski</FamilyName>
        <GivenName>Sam</GivenName>
        <FullName>Sam Rowinski </FullName>
      </Name>
    </OtherNames>
    <Demographics>
      <IndigenousStatus>3</IndigenousStatus>
      <Sex>1</Sex>
      <BirthDate>1990-09-26</BirthDate>
      <BirthDateVerification>1004</BirthDateVerification>
      <PlaceOfBirth>Clayton</PlaceOfBirth>
      <StateOfBirth>VIC</StateOfBirth>
      <CountryOfBirth>1101</CountryOfBirth>
      <CountriesOfCitizenship>
        <CountryOfCitizenship>8104</CountryOfCitizenship>
        <CountryOfCitizenship>1101</CountryOfCitizenship>
      </CountriesOfCitizenship>
      <CountriesOfResidency>
        <CountryOfResidency>8104</CountryOfResidency>
        <CountryOfResidency>1101</CountryOfResidency>
      </CountriesOfResidency>
      <CountryArrivalDate>1990-09-26</CountryArrivalDate>
      <AustralianCitizenshipStatus>1</AustralianCitizenshipStatus>
      <EnglishProficiency>
        <Code>1</Code>
      </EnglishProficiency>
      <LanguageList>
        <Language>
          <Code>0001</Code>
          <LanguageType>1</LanguageType>
        </Language>
      </LanguageList>
      <DwellingArrangement>
        <Code>1671</Code>
      </DwellingArrangement>
      <Religion>
        <Code>2013</Code>
      </Religion>
      <ReligiousEventList>
        <ReligiousEvent>
          <Type>Baptism</Type>
          <Date>2000-09-01</Date>
        </ReligiousEvent>
        <ReligiousEvent>
          <Type>Christmas</Type>
          <Date>2009-12-24</Date>
        </ReligiousEvent>
      </ReligiousEventList>
      <ReligiousRegion>The Religion Region</ReligiousRegion>
      <PermanentResident>P</PermanentResident>
      <VisaSubClass>101</VisaSubClass>
      <VisaStatisticalCode>05</VisaStatisticalCode>
    </Demographics>
    <AddressList>
      <Address Type="0123" Role="012B">
        <Street>
          <Line1>Unit1/10</Line1>
          <Line2>Barkley Street</Line2>
        </Street>
        <City>Yarra Glenn</City>
        <StateProvince>VIC</StateProvince>
        <Country>1101</Country>
        <PostalCode>9999</PostalCode>
      </Address>
      <Address Type="0123A" Role="013A">
        <Street>
          <Line1>34 Term Address Street</Line1>
        </Street>
        <City>Home Town</City>
        <StateProvince>WA</StateProvince>
        <Country>1101</Country>
        <PostalCode>9999</PostalCode>
      </Address>
    </AddressList>
    <PhoneNumberList>
      <PhoneNumber Type="0096">
        <Number>03 9637-2289</Number>
        <Extension>72289</Extension>
        <ListedStatus>Y</ListedStatus>
      </PhoneNumber>
      <PhoneNumber Type="0888">
        <Number>0437-765-234</Number>
        <ListedStatus>N</ListedStatus>
      </PhoneNumber>
    </PhoneNumberList>
    <EmailList>
      <Email Type="01">fsmith@yahoo.com</Email>
```

```
      <Email Type="02">freddy@gmail.com</Email>
    </EmailList>
  </PersonInfo>
  <EmploymentType>4</EmploymentType>
  <SchoolEducationalLevel>3</SchoolEducationalLevel>
  <NonSchoolEducation>6</NonSchoolEducation>
</StudentContactPersonal>
```

Example 3.3.34-1: StudentContactPersonal

3.3.35 StudentContactRelationship

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

SIF_Events are reported for this object.

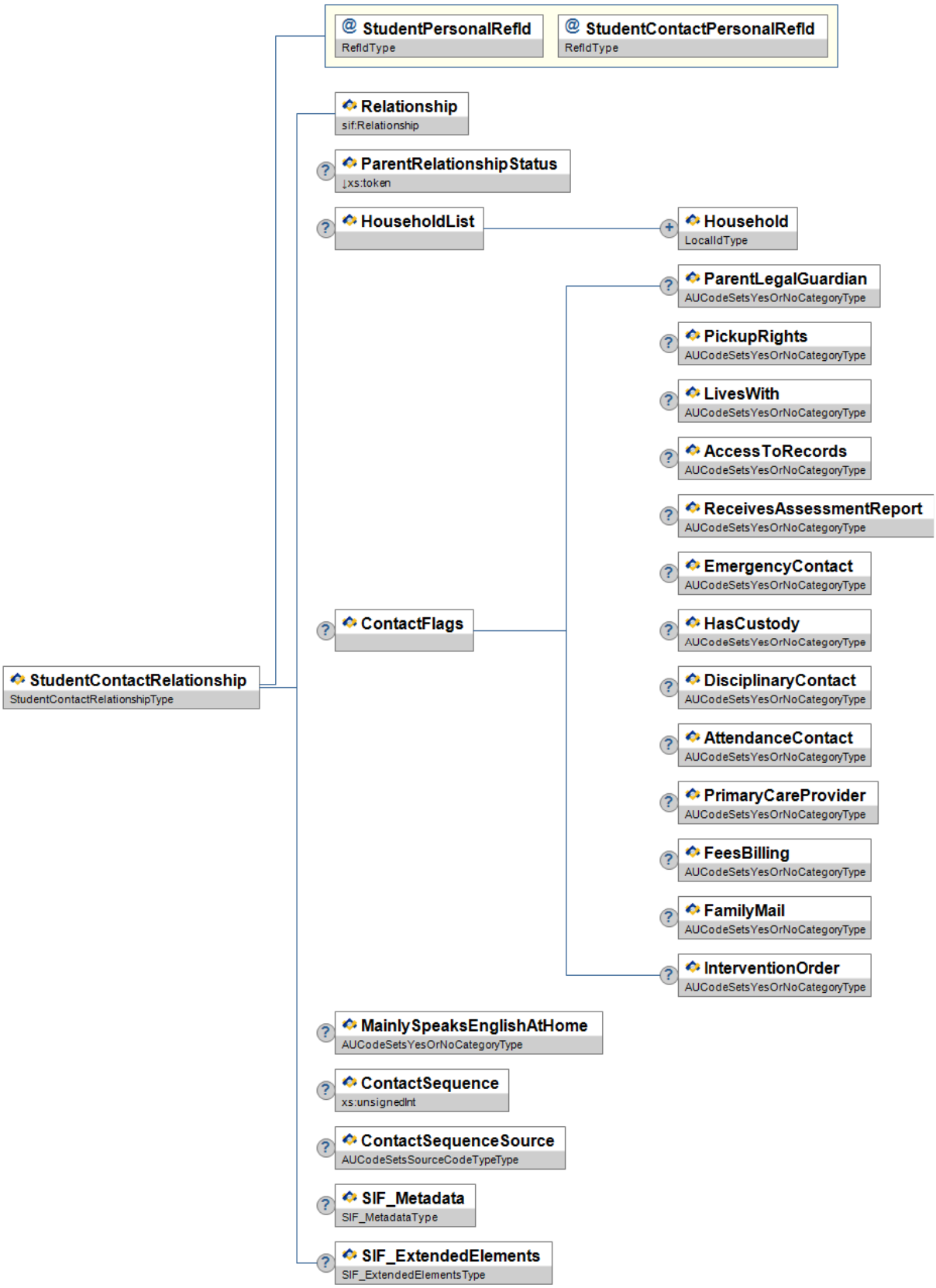


Figure 3.3.35-1: StudentContactRelationship

	Element/@Attribute	Char	Description	Type
	StudentContactRelationship		This object defines a relationship between a contact person and a student.	
@	StudentPersonalRefId	M	GUID that identifies the student for the relationship.	RefIdType
@	StudentContactPersonalRefId	M	GUID that identifies the contact person for the relationship.	RefIdType
	Relationship	M	Defines the relationship of the contact to the student.	Relationship

	ParentRelationshipStatus	O	Confirms whether or not this contact defined in the relationship is to be tracked for MCEECDYA Data Implementation Manual Reporting.	**values:** Parent1 Parent2 NotForReporting
	HouseholdList	O		List
	HouseholdList/Household	MR	Repeatable element containing the ID of a household.	LocalId
	ContactFlags	C	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 StudentContactRelationship instance if one of the child elements does not have a Yes value.	
	ContactFlags/ParentLegalGuardian	C	Does the individual have parental or legal guardianship responsibility for the student?	AUCodeSetsYesOrNoCategoryType
	ContactFlags/PickupRights	C	This element tells whether or not the contact has pickup rights.	AUCodeSetsYesOrNoCategoryType
	ContactFlags/LivesWith	C	Does the student live with this contact?	AUCodeSetsYesOrNoCategoryType
	ContactFlags/AccessToRecords	C	Does this contact have access to the student's records?	AUCodeSetsYesOrNoCategoryType
	ContactFlags/ReceivesAssessmentReport	C	In particular, should this contact receive a copy of the student report?	AUCodeSetsYesOrNoCategoryType
	ContactFlags/EmergencyContact	C	Should this contact be notified in case of emergency?	AUCodeSetsYesOrNoCategoryType
	ContactFlags/HasCustody	C	Does this contact have or share custody of the student?	AUCodeSetsYesOrNoCategoryType
	ContactFlags/DisciplinaryContact	C	Is this person to be contacted in case of disciplinary action?	AUCodeSetsYesOrNoCategoryType
	ContactFlags/AttendanceContact	C	Should this contact be notified in case of attendance issue?	AUCodeSetsYesOrNoCategoryType
	ContactFlags/PrimaryCareProvider	C	Does this person provide daily living or personal assistance to the student?	AUCodeSetsYesOrNoCategoryType
	ContactFlags/FeesBilling	C	Is this the contact responsible for Payment of Fees?	AUCodeSetsYesOrNoCategoryType
	ContactFlags/FamilyMail	C	Does this person receive family mail?	AUCodeSetsYesOrNoCategoryType
	ContactFlags/InterventionOrder	C	Is there an Intervention Order against this Contact?	AUCodeSetsYesOrNoCategoryType
	MainlySpeaksEnglishAtHome	O	Is English the main language spoken at home?	AUCodeSetsYesOrNoCategoryType
	ContactSequence	O	Number indicating the order in which the person should be contacted.	xs:unsignedInt
	ContactSequenceSource	O	Indicates the source who provided the contact sequence order.	AUCodeSetsSourceCodeTypeType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.35-1: StudentContactRelationship

```
<StudentContactRelationship StudentPersonalRefId="DEE34B359D75101A8C3D00AA001A1652" StudentContactPersonalRefId="6472B2610947583A463DBB345291B001">
  <Relationship>
    <Code>01</Code>
  </Relationship>
  <HouseholdList>
    <Household>FamilyA</Household>
    <Household>FamilyB</Household>
  </HouseholdList>
  <ContactFlags>
    <ParentLegalGuardian>Y</ParentLegalGuardian>
    <PickupRights>Y</PickupRights>
    <LivesWith>N</LivesWith>
    <AccessToRecords>U</AccessToRecords>
    <ReceivesAssessmentReport>Y</ReceivesAssessmentReport>
    <EmergencyContact>Y</EmergencyContact>
    <HasCustody>N</HasCustody>
    <DisciplinaryContact>N</DisciplinaryContact>
    <AttendanceContact>N</AttendanceContact>
    <PrimaryCareProvider>U</PrimaryCareProvider>
    <FeesBilling>Y</FeesBilling>
    <FamilyMail>Y</FamilyMail>
```

```
    <InterventionOrder>N</InterventionOrder>
  </ContactFlags>
  <MainlySpeaksEnglishAtHome>U</MainlySpeaksEnglishAtHome>
  <ContactSequence>1</ContactSequence>
  <ContactSequenceSource>P</ContactSequenceSource>
</StudentContactRelationship>
```

Example 3.3.35-1: StudentContactRelationship

3.3.36 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.

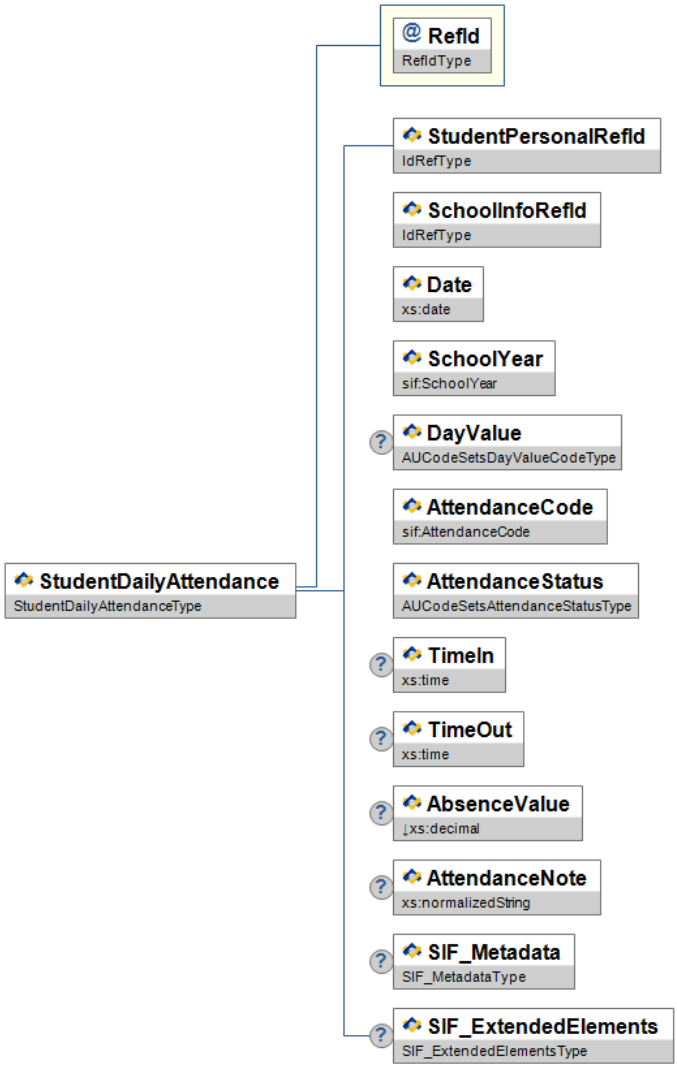


Figure 3.3.36-1: StudentDailyAttendance

	Element/@Attribute	Char	Description	Type
	StudentDailyAttendance		This object provides daily attendance information for a particular student in a particular school on a particular date.	
@	RefId	M	The ID (GUID) assigned to uniquely identify this attendance record.	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	SchoolYear

			school year ends (e.g. 2007).	
	DayValue	O	Value of a day this instance, represents.	AUCodeSetsDayValueCodeType
	AttendanceCode	M	Locally defined code for attendance.	AttendanceCode
	AttendanceStatus	M	Approved or Unapproved status of this attendance code.	AUCodeSetsAttendanceStatusType
	TimeIn	C	The time the student entered or returned to school. Must be provided if 'Partial' chosen for DayValue.	xs:time
	TimeOut	C	The time the student left school. Must be provided if 'Partial' chosen for DayValue..	xs:time
	AbsenceValue	C	Must be provided if the DayValue is "Partial" or "Other". The amount of absence represented by AttendanceCode, up to three decimal places.	xs:decimal xs:minInclusive 0 xs:maxInclusive 1
	AttendanceNote	O	Note related to this particular attendance.	xs:normalizedString
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.36-1: StudentDailyAttendance

```
<StudentDailyAttendance RefId="2FFB63B4CFEF48208501E7D1E54555CB">
  <StudentPersonalRefId>D3E34B359D75101A8C3D00AA001A1652</StudentPersonalRefId>
  <SchoolInfoRefId>CA285746359D75101A8C36432A901A16</SchoolInfoRefId>
  <Date>2002-11-01</Date>
  <SchoolYear>2003</SchoolYear>
  <DayValue>Partial</DayValue>
  <AttendanceCode>
    <Code>200</Code>
    <OtherCodeList>
      <OtherCode Codeset="Local">S</OtherCode>
      <OtherCode Codeset="Text">C</OtherCode>
    </OtherCodeList>
  </AttendanceCode>
  <AttendanceStatus>01</AttendanceStatus>
  <TimeIn>13:30:00</TimeIn>
  <TimeOut>12:05:00</TimeOut>
  <AttendanceNote>Left for Orthodontist appt. and returned to school afterward</AttendanceNote>
</StudentDailyAttendance>
```

Example 3.3.36-1: StudentDailyAttendance

3.3.37 StudentParticipation

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

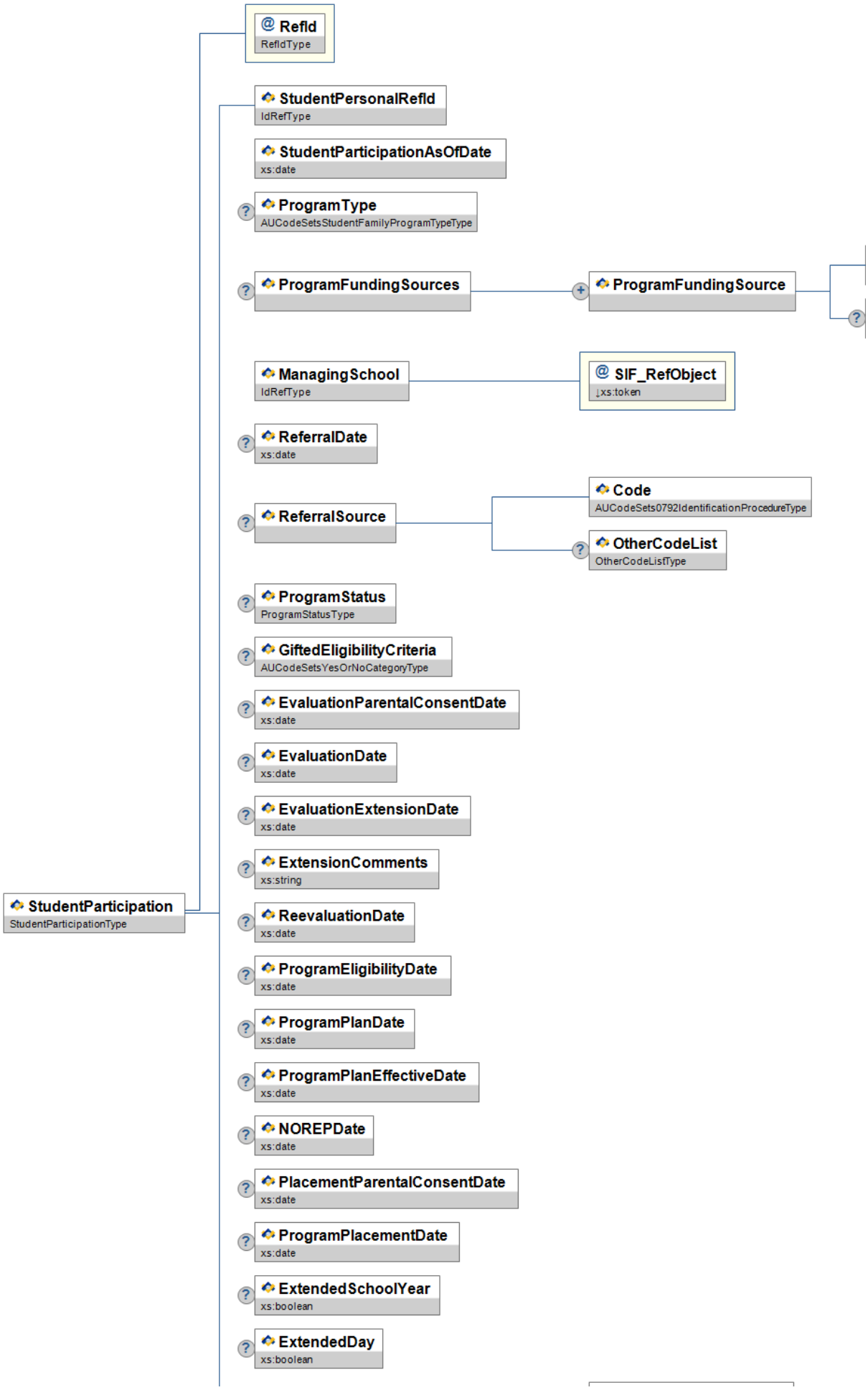

@ RefId
RefIdType
StudentPersonalRefId
IdRefType
StudentParticipationAsOfDate
xs:date
ProgramType
AUCodeSetsStudentFamilyProgramTypeType
ProgramFundingSources
ProgramFundingSource
ManagingSchool
IdRefType
@ SIF_RefObject
xs:token
ReferralDate
xs:date
ReferralSource
Code
AUCodeSets0792IdentificationProcedureType
OtherCodeList
OtherCodeListType
ProgramStatus
ProgramStatusType
GiftedEligibilityCriteria
AUCodeSetsYesOrNoCategoryType
EvaluationParentalConsentDate
xs:date
EvaluationDate
xs:date
EvaluationExtensionDate
xs:date
ExtensionComments
xs:string
StudentParticipation
StudentParticipationType
ReevaluationDate
xs:date
ProgramEligibilityDate
xs:date
ProgramPlanDate
xs:date
ProgramPlanEffectiveDate
xs:date
NOREPDate
xs:date
PlacementParentalConsentDate
xs:date
ProgramPlacementDate
xs:date
ExtendedSchoolYear
xs:boolean
ExtendedDay
xs:boolean

Figure 3.3.37-1: StudentParticipation

	Element/@Attribute	Char	Description	Type
	StudentParticipation		This object contains information pertaining to student eligibility for and participation in an individualized special program such as special education, ESL, 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	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	O	Identifies the individualised program for which the student's participation is described in this instance	`AUCodeSetsStudentFamilyProgramTypeType`
	ProgramFundingSources	O	List of funding sources	`List`
	ProgramFundingSources/ProgramFundingSource	MR	Funding source of the special program	
	ProgramFundingSources/ProgramFundingSource/Code	M	Funding source for the program, may be more than one.	`AUCodeSetsProgramFundingSourceCodeType`
	ProgramFundingSources/ProgramFundingSource/OtherCodeList	O		`OtherCodeList`
	ManagingSchool	M	The GUID of the school responsible for coordinating the student's program participation.	`IdRefType`
@	SIF_RefObject	M		**values:** `SchoolInfo`
	ReferralDate	O	Date student was referred for evaluation/program participation.	`xs:date`
	ReferralSource	O		
	ReferralSource/Code	M	The method by which a student was identified for referral to a particular program.	`AUCodeSets0792IdentificationProcedureType`
	ReferralSource/OtherCodeList	O		`OtherCodeList`
	ProgramStatus	O		`ProgramStatus`
	GiftedEligibilityCriteria	O	Eligible for Gifted / Talented program?	`AUCodeSetsYesOrNoCategoryType`
	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`
	ProgramEligibilityDate	O	Date student is eligible for beginning the support program(s).	`xs:date`
	ProgramPlanDate	O	Date the most recent program plan was completed and approved by the	`xs:date`

			team responsible for developing it. The date the parent consented to placement is NOREPDate.	
	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	Date student began the support program.	xs:date
	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		
	ProgramAvailability/Code	M	Describes the availability of the program.	AUCodeSets0211ProgramAvailabilityType
	ProgramAvailability/OtherCodeList	O		OtherCodeList
	EntryPerson	O	Identification / name of the person who created the transaction that led to the creation of this instance of the object.	xs:normalizedString
	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
	ParticipationContact	O	Primary contact for this record.	xs:normalizedString
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.37-1: StudentParticipation

```
<StudentParticipation RefId="D3E34B359D75101A8C3D00AA001A1652">
  <StudentPersonalRefId>A2E34F59A742C1A4B3D11CC002B163A2</StudentPersonalRefId>
  <StudentParticipationAsOfDate>2006-07-13</StudentParticipationAsOfDate>
  <ProgramType>0240</ProgramType>
  <ProgramFundingSources>
    <ProgramFundingSource>
      <Code>1</Code>
    </ProgramFundingSource>
  </ProgramFundingSources>
  <ManagingSchool SIF_RefObject="SchoolInfo">D93F4D183A42C1A4B3D11CC002B163A2</ManagingSchool>
  <ParticipationContact>John Mason</ParticipationContact>
</StudentParticipation>
```

Example 3.3.37-1: StudentParticipation

3.3.38 StudentPeriodAttendance

This object allows recording of period level attendance a student. The Australian StudentPeriodAttendance object differs to the US StudentPeriodAttendance object in the following ways:

- Student Period Attendance object is usually linked to a SessionInfo object (see below), but it is possible, for simple period attendance packages, to not link period attendance to a session or timetable.
- There will be one provider of the StudentPeriodAttendance within a SIF Zone in Australia. The US, in contrast, has specified objects and events to allow for multiple providers of the StudentPeriodAttendance object in a zone.

SIF_Events are reported for this object.

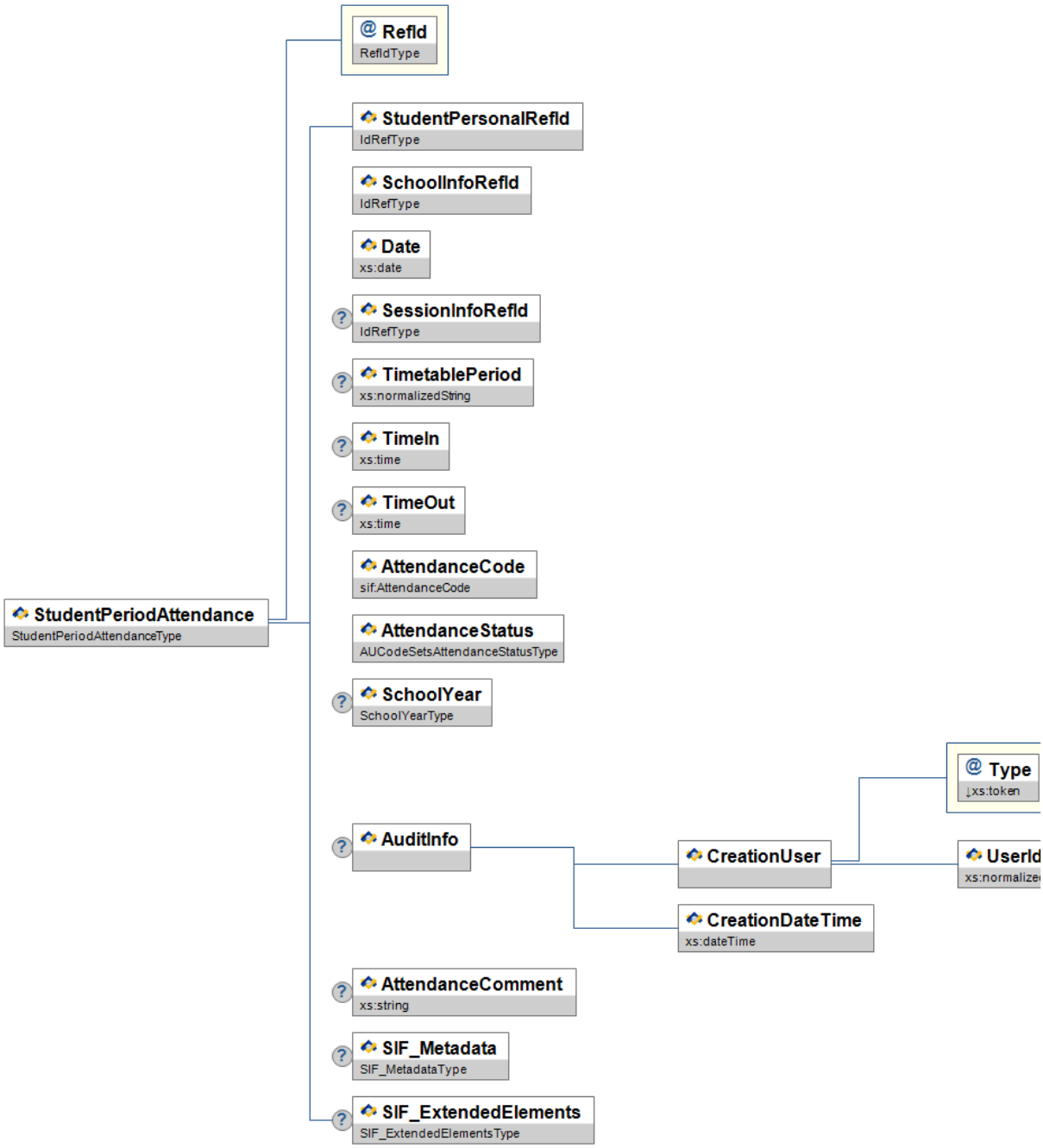


Figure 3.3.38-1: StudentPeriodAttendance

	Element/@Attribute	Char	Description	Type
	StudentPeriodAttendance		This object allows recording of period level attendance a student. The Australian StudentPeriodAttendance object differs to the US StudentPeriodAttendance object in the following ways: • Student Period Attendance object is usually linked to a SessionInfo object (see below), but it is possible, for simple period attendance packages, to not link period attendance to a session or timetable. • There will be one provider of the StudentPeriodAttendance within a SIF Zone in Australia. The US, in contrast, has specified objects and events to allow for multiple providers of the StudentPeriodAttendance object in a zone.	
@	RefId	M	The ID (GUID) assigned to uniquely identify this attendance record.	`RefIdType`
	StudentPersonalRefId	M	The GUID of the student 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`

	SessionInfoRefId	O	The GUID of the session that this attendance applies to.	IdRefType
	TimetablePeriod	O	The period within which attendance is being reported, e.g. "4D".	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	Code that describes the absence or attendance	AttendanceCode
	AttendanceStatus	M	Approved or Unapproved status of this attendance code.	AUCodeSetsAttendanceStatusType
	SchoolYear	O	School year for which this enrollment is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007).	SchoolYear
	AuditInfo	O	An audit trail to help determine who entered this attendance event and when.	
	AuditInfo/CreationUser	M	Information about which staff member created this attendance record.	
@	Type	M	The role of the staff member for that created this attendance record.	**values:** Office Staff School Admin Parent Nurse Teacher Other
	AuditInfo/CreationUser/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
	AuditInfo/CreationDateTime	M	The date and time of this attendance record was created.	xs:dateTime
	AttendanceComment	O	This element contains the comments that are relevant to this attendance record.	xs:string
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.38-1: StudentPeriodAttendance

```
<StudentPeriodAttendance RefId="98157AA013BA8C3D00AA012B359D7512">
  <StudentPersonalRefId>A75A00101A8C301D02E3A05B359D0A00</StudentPersonalRefId>
  <SchoolInfoRefId>11737EA4301CADCA75C87214A7C46BDB</SchoolInfoRefId>
  <Date>2001-03-05</Date>
  <TimetablePeriod>P4</TimetablePeriod>
  <AttendanceCode>
    <Code>802</Code>
  </AttendanceCode>
  <AttendanceStatus>01</AttendanceStatus>
</StudentPeriodAttendance>
```

Example 3.3.38-1: StudentPeriodAttendance

3.3.39 StudentPersonal

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

SIF_Events are reported for this object.

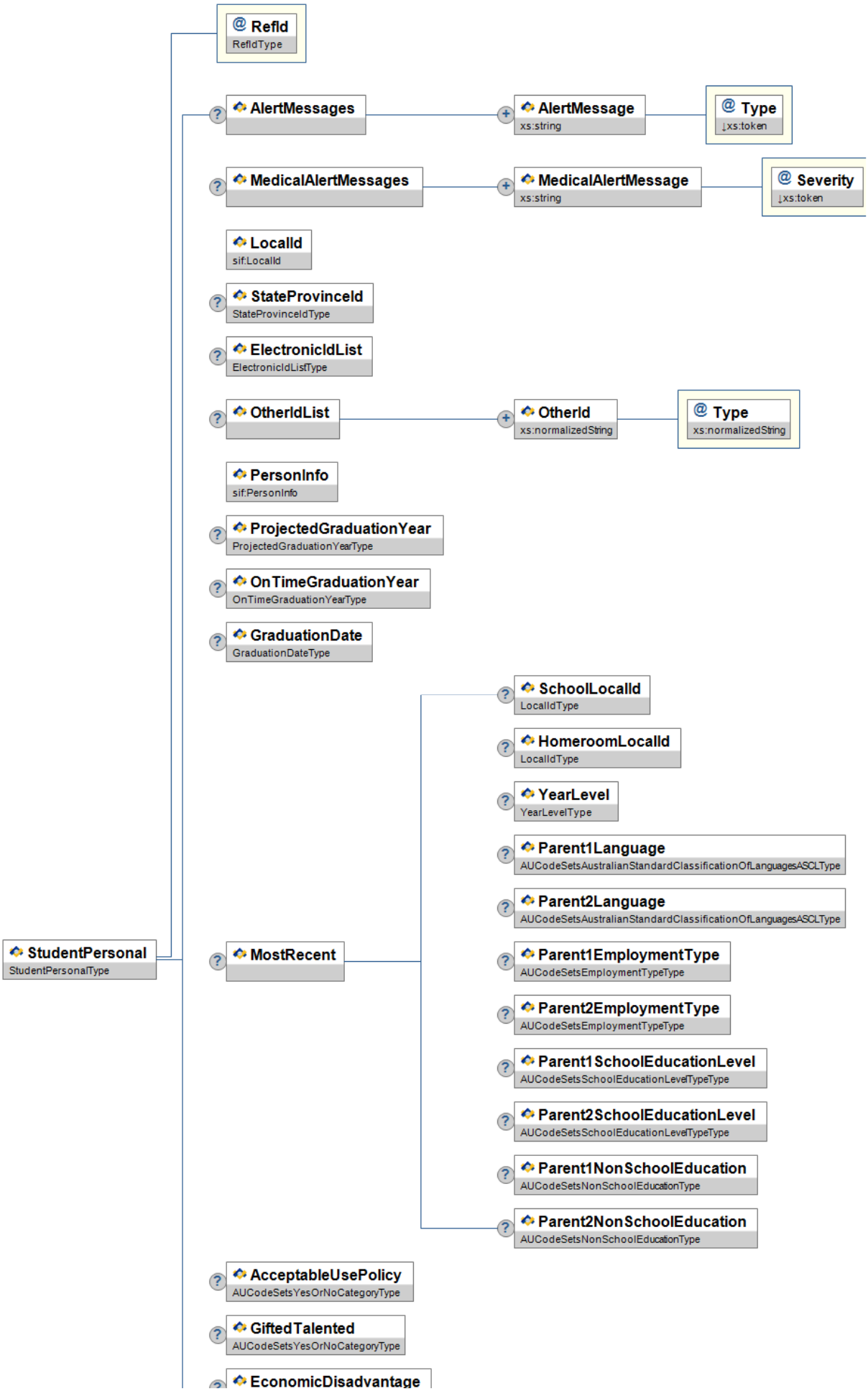

@ RefId
RefIdType
AlertMessages
AlertMessage
xs:string
@ Type
xs:token
MedicalAlertMessages
MedicalAlertMessage
xs:string
@ Severity
xs:token
LocalId
sif:LocalId
StateProvinceId
StateProvinceIdType
ElectronicIdList
ElectronicIdListType
OtherIdList
OtherId
xs:normalizedString
@ Type
xs:normalizedString
PersonInfo
sif:PersonInfo
ProjectedGraduationYear
ProjectedGraduationYearType
OnTimeGraduationYear
OnTimeGraduationYearType
GraduationDate
GraduationDateType
SchoolLocalId
LocalIdType
HomeroomLocalId
LocalIdType
YearLevel
YearLevelType
Parent1Language
AUCodeSetsAustralianStandardClassificationOfLanguagesASCLType
Parent2Language
AUCodeSetsAustralianStandardClassificationOfLanguagesASCLType
StudentPersonal
StudentPersonalType
MostRecent
Parent1EmploymentType
AUCodeSetsEmploymentTypeType
Parent2EmploymentType
AUCodeSetsEmploymentTypeType
Parent1SchoolEducationLevel
AUCodeSetsSchoolEducationLevelTypeType
Parent2SchoolEducationLevel
AUCodeSetsSchoolEducationLevelTypeType
Parent1NonSchoolEducation
AUCodeSetsNonSchoolEducationType
Parent2NonSchoolEducation
AUCodeSetsNonSchoolEducationType
AcceptableUsePolicy
AUCodeSetsYesOrNoCategoryType
GiftedTalented
AUCodeSetsYesOrNoCategoryType
EconomicDisadvantage

Figure 3.3.39-1: StudentPersonal

	Element/@Attribute	Char	Description	Type
	StudentPersonal		This object contains all the personal information related to the student.	
@	RefId	M	The GUID of the student.	RefIdType
	AlertMessages	O		List
	AlertMessages/AlertMessage	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.	**values:** Legal Custody, guardian, court orders (e.g. must attend school), lawsuits, etc. Discipline Student is suspended, expelled, on probation, etc. Educational academic probation, etc. Other
	MedicalAlertMessages	O		List
	MedicalAlertMessages/MedicalAlertMessage	MR	Medical alert associated with the student.	xs:string
@	Severity	M	The level of severity of this medical alert.	**values:** Low Moderate High Severe Unknown
	LocalId	M	The locally-assigned identifier for this student.	LocalId
	StateProvinceId	O	The state-assigned identifier for this student.	StateProvinceId
	ElectronicIdList	O	Electronic identifier(s) associated with this entity.	ElectronicIdList
	OtherIdList	O	Lists all "other" identifiers associated with the student.	List
	OtherIdList/OtherId	MR	Lists an "other" identifier associated with the student.	xs:normalizedString
@	Type	M	Code that defines the type of this other ID.	xs:normalizedString
	PersonInfo	M	Personal Information	PersonInfo
	ProjectedGraduationYear	O	Currently projected graduation year.	ProjectedGraduationYear
	OnTimeGraduationYear	O	First projected graduation year, usually determined when student is accepted into 9th grade.	OnTimeGraduationYear
	GraduationDate	O	Date student officially graduated from secondary education.	GraduationDate
	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.	
	MostRecent/SchoolLocalId	O	Local identifier representing the school in which the student is or was most recently enrolled in the district.	LocalId
	MostRecent/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.	LocalId
	MostRecent/YearLevel	O	The current or most recent year level of the student.	YearLevel
	MostRecent/Parent1Language	O	Main language spoken by parent 1 at home, other than	AUCodeSetsAustralianStandardClassificationOfLanguagesASCLType

			English.	
	MostRecent/Parent2Language	O	Main language spoken by parent 2 at home, other than English.	AUCodeSetsAustralianStandardClassificationOfLanguagesASCLType
	MostRecent/Parent1EmploymentType	O	Code that defines employment type of Parent1. This is compulsory if being used for MCEECDYA reporting.	AUCodeSetsEmploymentTypeType
	MostRecent/Parent2EmploymentType	O	Code that defines employment type of Parent2. This is compulsory if being used for MCEECDYA reporting.	AUCodeSetsEmploymentTypeType
	MostRecent/Parent1SchoolEducationLevel	O	The highest level of education completed by Parent1.	AUCodeSetsSchoolEducationLevelTypeType
	MostRecent/Parent2SchoolEducationLevel	O	The highest level of education completed by Parent2.	AUCodeSetsSchoolEducationLevelTypeType
	MostRecent/Parent1NonSchoolEducation	O	This reflects the level of Parent1's Non-School Education.	AUCodeSetsNonSchoolEducationType
	MostRecent/Parent2NonSchoolEducation	O	This reflects the level of Parent2's Non-School Education.	AUCodeSetsNonSchoolEducationType
	AcceptableUsePolicy	O	Does the student have a current signed Acceptable Use Policy document for system access?	AUCodeSetsYesOrNoCategoryType
	GiftedTalented	O		AUCodeSetsYesOrNoCategoryType
	EconomicDisadvantage	O	Does the student meet the State criteria for classification as having an economic disadvantage?	AUCodeSetsYesOrNoCategoryType
	ESL	O	Does the student meet 'English as a Second Language Criteria'?	AUCodeSetsYesOrNoCategoryType
	YoungCarersRole	O	Is the student a carer of other family members?	AUCodeSetsYesOrNoCategoryType
	Disability	O	Does the student have funding for disability?	AUCodeSetsYesOrNoCategoryType
	IntegrationAide	O	Does the Student require an Integration Aide?	AUCodeSetsYesOrNoCategoryType
	PrePrimaryEducation	O	Care prior to kinder enrolment (eg. Family day care/home/extended care etc).	xs:normalizedString
	FirstAUSchoolEnrollment	O	Date of the first enrolment in an Australian School	xs:date
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.39-1: StudentPersonal

```
<StudentPersonal RefId="7C834EA9EDA12090347F83297E1C290C">
  <AlertMessages>
    <AlertMessage Type="Legal">Mother is legal guardian</AlertMessage>
  </AlertMessages>
  <MedicalAlertMessages>
    <MedicalAlertMessage Severity="Severe">Student has Peanut Allergy</MedicalAlertMessage>
    <MedicalAlertMessage Severity="Moderate">Student has Diabetes</MedicalAlertMessage>
  </MedicalAlertMessages>
  <LocalId>S1234567</LocalId>
  <StateProvinceId>ABC1234</StateProvinceId>
  <ElectronicIdList>
    <ElectronicId Type="03">ZZZZZZ21</ElectronicId>
    <ElectronicId Type="03">ZZZZZZ22</ElectronicId>
  </ElectronicIdList>
  <OtherIdList>
    <OtherId Type="freetext">888rdgf</OtherId>
    <OtherId Type="Disability ID">1234</OtherId>
  </OtherIdList>
  <PersonInfo>
    <Name Type="LGL">
      <FamilyName>Smith</FamilyName>
      <GivenName>Fred</GivenName>
      <FullName>Fred Smith</FullName>
    </Name>
    <OtherNames>
      <Name Type="AKA">
        <FamilyName>Anderson</FamilyName>
        <GivenName>Samuel</GivenName>
        <FullName>Samuel Anderson</FullName>
      </Name>
      <Name Type="PRF">
        <FamilyName>Rowinski</FamilyName>
        <GivenName>Sam</GivenName>
        <FullName>Sam Rowinski </FullName>
```

```
      </Name>
    </OtherNames>
    <Demographics>
      <IndigenousStatus>3</IndigenousStatus>
      <Sex>1</Sex>
      <BirthDate>1990-09-26</BirthDate>
      <BirthDateVerification>1004</BirthDateVerification>
      <PlaceOfBirth>Clayton</PlaceOfBirth>
      <StateOfBirth>VIC</StateOfBirth>
      <CountryOfBirth>1101</CountryOfBirth>
      <CountriesOfCitizenship>
        <CountryOfCitizenship>8104</CountryOfCitizenship>
        <CountryOfCitizenship>1101</CountryOfCitizenship>
      </CountriesOfCitizenship>
      <CountriesOfResidency>
        <CountryOfResidency>8104</CountryOfResidency>
        <CountryOfResidency>1101</CountryOfResidency>
      </CountriesOfResidency>
      <CountryArrivalDate>1990-09-26</CountryArrivalDate>
      <AustralianCitizenshipStatus>1</AustralianCitizenshipStatus>
      <EnglishProficiency>
        <Code>1</Code>
      </EnglishProficiency>
      <LanguageList>
        <Language>
          <Code>0001</Code>
          <LanguageType>1</LanguageType>
        </Language>
      </LanguageList>
      <DwellingArrangement>
        <Code>1671</Code>
      </DwellingArrangement>
      <Religion>
        <Code>2013</Code>
      </Religion>
      <ReligiousEventList>
        <ReligiousEvent>
          <Type>Baptism</Type>
          <Date>2000-09-01</Date>
        </ReligiousEvent>
        <ReligiousEvent>
          <Type>Christmas</Type>
          <Date>2009-12-24</Date>
        </ReligiousEvent>
      </ReligiousEventList>
      <ReligiousRegion>The Religion Region</ReligiousRegion>
      <PermanentResident>P</PermanentResident>
      <VisaSubClass>101</VisaSubClass>
      <VisaStatisticalCode>05</VisaStatisticalCode>
    </Demographics>
    <AddressList>
      <Address Type="0123" Role="2382">
        <Street>
          <Line1>Unit1/10</Line1>
          <Line2>Barkley Street</Line2>
        </Street>
        <City>Yarra Glenn</City>
        <StateProvince>VIC</StateProvince>
        <Country>1101</Country>
        <PostalCode>9999</PostalCode>
      </Address>
      <Address Type="0123A" Role="013A">
        <Street>
          <Line1>34 Term Address Street</Line1>
        </Street>
        <City>Home Town</City>
        <StateProvince>WA</StateProvince>
        <Country>1101</Country>
        <PostalCode>9999</PostalCode>
      </Address>
    </AddressList>
    <PhoneNumberList>
      <PhoneNumber Type="0096">
        <Number>03 9637-2289</Number>
        <Extension>72289</Extension>
        <ListedStatus>Y</ListedStatus>
      </PhoneNumber>
      <PhoneNumber Type="0888">
        <Number>0437-765-234</Number>
        <ListedStatus>N</ListedStatus>
      </PhoneNumber>
    </PhoneNumberList>
    <EmailList>
      <Email Type="01">fsmith@yahoo.com</Email>
      <Email Type="02">freddy@gmail.com</Email>
    </EmailList>
  </PersonInfo>
  <ProjectedGraduationYear>2014</ProjectedGraduationYear>
  <OnTimeGraduationYear>2012</OnTimeGraduationYear>
  <MostRecent>
    <SchoolLocalId>S1234567</SchoolLocalId>
    <HomeroomLocalId>hr12345</HomeroomLocalId>
    <YearLevel>
      <Code>P</Code>
    </YearLevel>
  </MostRecent>
  <AcceptableUsePolicy>Y</AcceptableUsePolicy>
  <EconomicDisadvantage>N</EconomicDisadvantage>
  <ESL>U</ESL>
  <YoungCarersRole>N</YoungCarersRole>
  <Disability>N</Disability>
  <IntegrationAide>N</IntegrationAide>
</StudentPersonal>
```


Example 3.3.39-1: StudentPersonal

3.3.40 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 per student. Only one instance of the `StudentSchoolEnrollment` object must exist for a given student with `MembershipType=01` (Home School) and `TimeFrame=C` (Current) for the time interval between `EntryDate` and `ExitDate`, inclusive.

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 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.

SIF_Events are reported for this object.

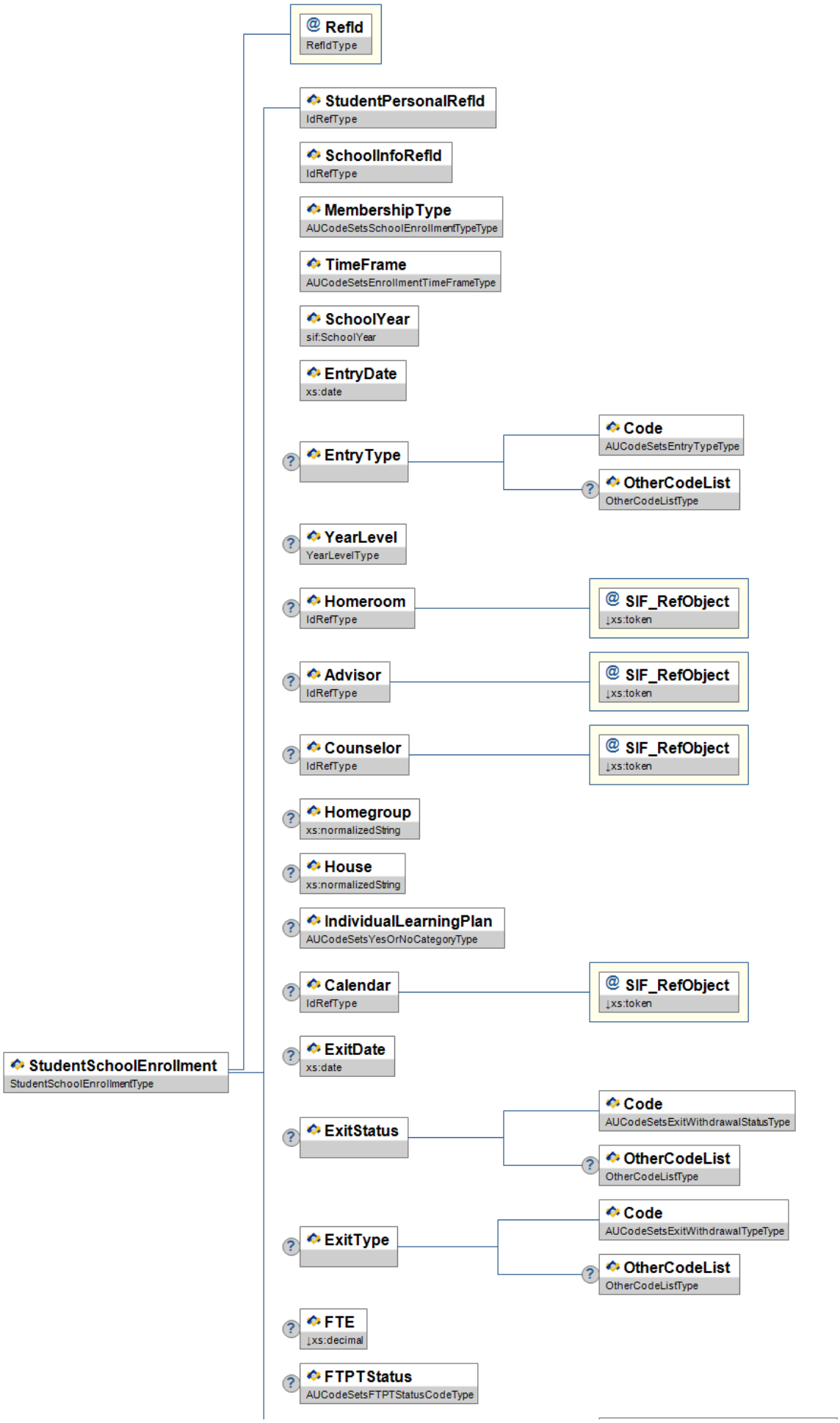

@ RefId
RefIdType
StudentPersonalRefId
IdRefType
SchoolInfoRefId
IdRefType
MembershipType
AUCodeSetsSchoolEnrollmentTypeType
TimeFrame
AUCodeSetsEnrollmentTimeFrameType
SchoolYear
sif:SchoolYear
EntryDate
xs:date
EntryType
Code
AUCodeSetsEntryTypeType
OtherCodeList
OtherCodeListType
YearLevel
YearLevelType
Homeroom
IdRefType
@ SIF_RefObject
↓xs:token
Advisor
IdRefType
@ SIF_RefObject
↓xs:token
Counselor
IdRefType
@ SIF_RefObject
↓xs:token
Homegroup
xs:normalizedString
House
xs:normalizedString
IndividualLearningPlan
AUCodeSetsYesOrNoCategoryType
Calendar
IdRefType
@ SIF_RefObject
↓xs:token
ExitDate
xs:date
ExitStatus
Code
AUCodeSetsExitWithdrawalStatusType
OtherCodeList
OtherCodeListType
ExitType
Code
AUCodeSetsExitWithdrawalTypeType
OtherCodeList
OtherCodeListType
FTE
↓xs:decimal
FTPTStatus
AUCodeSetsFTPTStatusCodeType
StudentSchoolEnrollment
StudentSchoolEnrollmentType

Figure 3.3.40-1: StudentSchoolEnrollment

	Element/@Attribute	Char	Description	Type
	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 per student. Only one instance of the `StudentSchoolEnrollment` object must exist for a given student with `MembershipType=01` (Home School) and `TimeFrame=C` (Current) for the time interval between `EntryDate` and `ExitDate`, inclusive. 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 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.	
@	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	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.	`AUCodeSetsSchoolEnrollmentTypeType`
	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.	`AUCodeSetsEnrollmentTimeFrameType`
	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`). StudentSchoolEnrollment instances must not span multiple school years.	`SchoolYear`
	EntryDate	M	The date from when this enrollment is valid.	`xs:date`
	EntryType	O	Container elements for EntryType information	
	EntryType/Code	M	Code indicating the type of entry for this enrollment	`AUCodeSetsEntryTypeType`
	EntryType/OtherCodeList	O	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 OtherCodes are supported, both Code and all associated OtherCode elements must be present.	`OtherCodeList`
	YearLevel	O	Year or academic level of student.	`YearLevel`
	Homeroom	O	Homeroom for this enrollment.	`IdRefType`
@	SIF_RefObject	M	The name of the object referenced.	**values:** `RoomInfo`
	Advisor	O	Staff member assigned as an advisor.	`IdRefType`
@	SIF_RefObject	M	The name of the object referenced.	**values:** `StaffPersonal`
	Counselor	O	Staff member assigned as an advisor.	`IdRefType`
@	SIF_RefObject	M	The name of the object referenced.	**values:** `StaffPersonal`
	Homegroup	O	The name of the homegroup the student enrollment belongs to.	`xs:normalizedString`
	House	O	The name of the house the student belongs to.	`xs:normalizedString`
	IndividualLearningPlan	O	Does this student have an individual learning plan in place?	`AUCodeSetsYesOrNoCategoryType`
	Calendar	O	The calendar assigned to this enrollment.	`IdRefType`

@	SIF_RefObject	M	The name of the object referenced.	**values:** CalendarSummary
	ExitDate	C	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	Container element for exit status codes.	
	ExitStatus/Code	M	Code indicating the closure status for this enrollment.	AUCodeSetsExitWithdrawalStatusType
	ExitStatus/OtherCodeList	O		OtherCodeList
	ExitType	O		
	ExitType/Code	M	Code indicating the type of exit for this enrollment.	AUCodeSetsExitWithdrawalTypeType
	ExitType/OtherCodeList	O		OtherCodeList
	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	An indication of whether the student is enrolled full time or part time.	AUCodeSetsFTPTStatusCodeType
	CatchmentStatus	O	Container element for location of an individual's legal residence relative to (within or outside) the boundaries of the school for this enrolment. Enrolment Catchment Status.	
	CatchmentStatus/Code	M	Code indicating the residency status for this enrollment. Code indicating Enrollment Catchment Status.	AUCodeSetsPublicSchoolCatchmentStatusType
	CatchmentStatus/OtherCodeList	O	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 OtherCodes are supported, both Code and all associated OtherCode elements must be present.	OtherCodeList
	RecordClosureReason	O	The reason why this enrollment was closed. The EndOfYear option must be used to convey status change due to rollover activity.	**values:** SchoolExit TimeDependentDataChange EndOfYear CampusExit
	PromotionInfo	O	Information on a student's promotion, retention, or demotion related to this enrollment instance.	
	PromotionInfo/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.	**values:** Promoted Demoted Retained NA
	PreviousSchool	O	If the student has previously been enrolled at a school, i.e. student is transferring, the previous school number.	LocalId
	DestinationSchool	O	If the student has exited the school, the local id of the school to which the student has transferred to.	LocalId
	StudentSubjectChoiceList	O	List of Student Subject Choices where available.	List
	StudentSubjectChoiceList/ StudentSubjectChoice	MR	Subjects Students Choose	
	StudentSubjectChoiceList/ StudentSubjectChoice/PreferenceNumber	O	Subject Priority	xs:unsignedInt
	StudentSubjectChoiceList/ StudentSubjectChoice/SubjectLocalId	M	Local Subject Id	LocalId
	StudentSubjectChoiceList/ StudentSubjectChoice/StudyDescription	O	Description about Study Mode.	SubjectArea
	StudentSubjectChoiceList/ StudentSubjectChoice/OtherSchoolLocalId	O	Localid of a school where the student studies this subject if not at the home school.	LocalId
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements			SIF_ExtendedElements

		O		

Table 3.3.40-1: StudentSchoolEnrollment

```
<StudentSchoolEnrollment RefId="A8C3D3E34B359D75101D00AA001A1652">
  <StudentPersonalRefId>D3E34B359D75101A8C3D00AA001A1652</StudentPersonalRefId>
  <SchoolInfoRefId>D3E34B359D75101A8C3D00AA001A1651</SchoolInfoRefId>
  <MembershipType>01</MembershipType>
  <TimeFrame>C</TimeFrame>
  <SchoolYear>2004</SchoolYear>
  <EntryDate>2004-01-29</EntryDate>
  <EntryType>
    <Code>1838</Code>
  </EntryType>
  <YearLevel>
    <Code>10</Code>
  </YearLevel>
  <Homeroom SIF_RefObject="RoomInfo">D7510D3E34B3591A8C3D00AA001A1651</Homeroom>
  <Advisor SIF_RefObject="StaffPersonal">B359D3E34D75101A8C3D00AA001A1652</Advisor>
  <FTE>1.00</FTE>
  <FTPTStatus>01</FTPTStatus>
</StudentSchoolEnrollment>
```

Example 3.3.40-1: StudentSchoolEnrollment

3.3.41 StudentScoreSet

The scored results from an assessment.

SIF_Events are reported for this object.

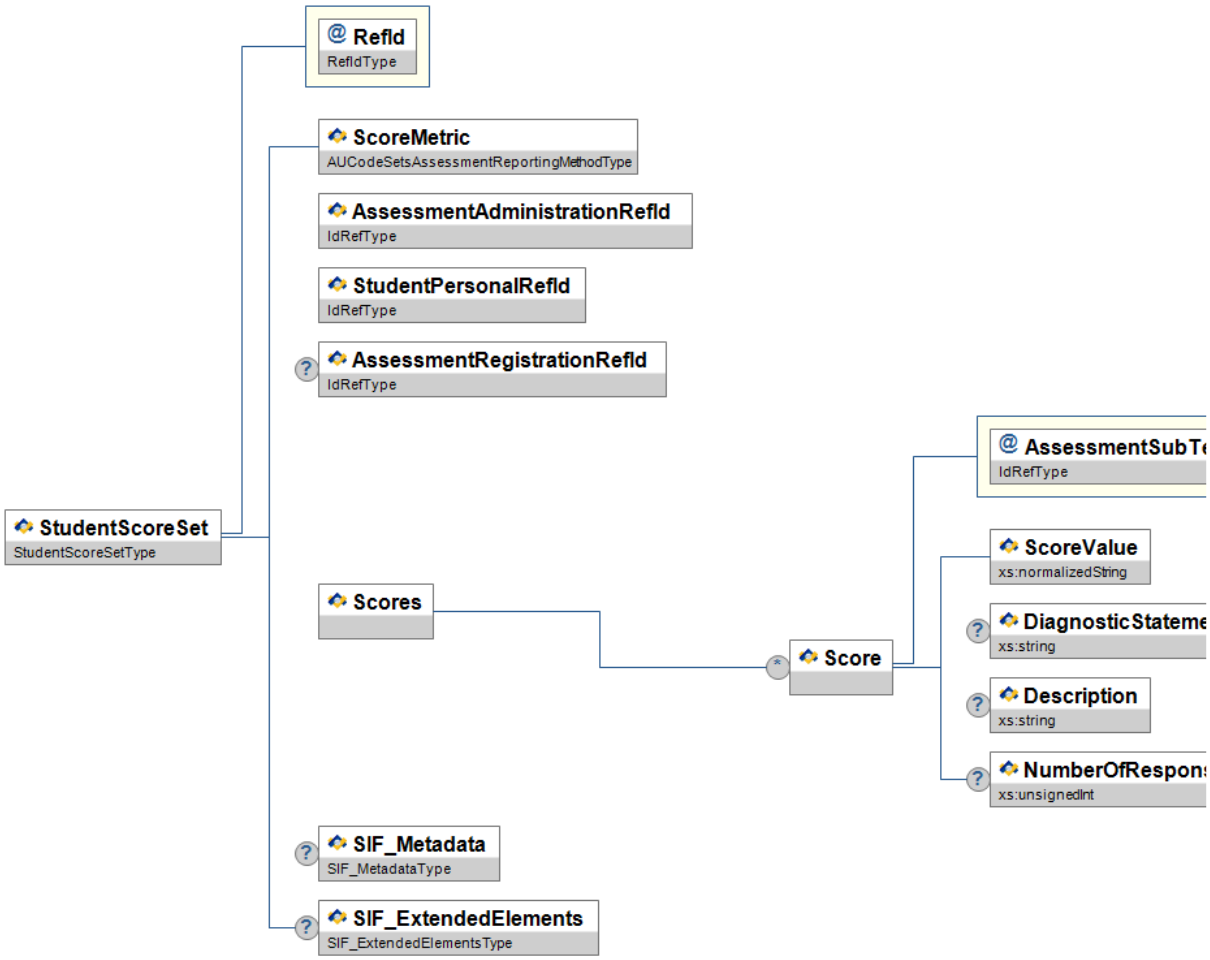


Figure 3.3.41-1: StudentScoreSet

	Element/@Attribute	Char	Description	Type
	StudentScoreSet		The scored results from an assessment.	
@	RefId	M	The GUID that uniquely identifies an instance of the object.	RefIdType
	ScoreMetric	M	The metric or scale used to report the score.	AUCodeSetsAssessmentReportingMethodType
	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.	List
	Scores/Score	OR	The score with other information related to the score.	
@	AssessmentSubTestRefId	M	References the AssessmentSubTest that defines the score.	IdRefType
	Scores/Score/ScoreValue	M	The value of the score.	xs:normalizedString
	Scores/Score/DiagnosticStatement	O	Comment created by any logical analysis of this score.	xs:string
	Scores/Score/Description	O	This is further qualification of a Student Score.	xs:string
	Scores/Score/NumberOfResponses	O	This is the number of responses that are included with the StudentScoreSet.	xs:unsignedInt
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.41-1: StudentScoreSet

```
<StudentScoreSet RefId="5810E283E928459CBBA76EFE1963F784">
  <ScoreMetric>0512</ScoreMetric>
  <AssessmentAdministrationRefId>1F971F3D414E4146932566638290E6C1</AssessmentAdministrationRefId>
  <StudentPersonalRefId>8F0934CC2F0448F8BBD788AA1ADE691B</StudentPersonalRefId>
  <Scores>
    <Score AssessmentSubTestRefId="E5EDAE63A04D47E49D0224A32956B074">
      <ScoreValue>25</ScoreValue>
      <DiagnosticStatement>Shows ability to identify symmetry.</DiagnosticStatement>
    </Score>
  </Scores>
</StudentScoreSet>
```

Example 3.3.41-1: StudentScoreSet

3.3.42 StudentSDTN

This object has been developed to cater for the SDTN – Student Data Transfer Note. http://www.mceecdya.edu.au/verve/_resources/ISDTN_Form_3_Transfer_Note_Oct_06.pdf The elements in this object have been developed to support the LIMF recommendations and allow two or more jurisdictions to exchange this data. http://www.aictec.edu.au/aictec/go/home/about/pid/289

SIF_Events are reported for this object.

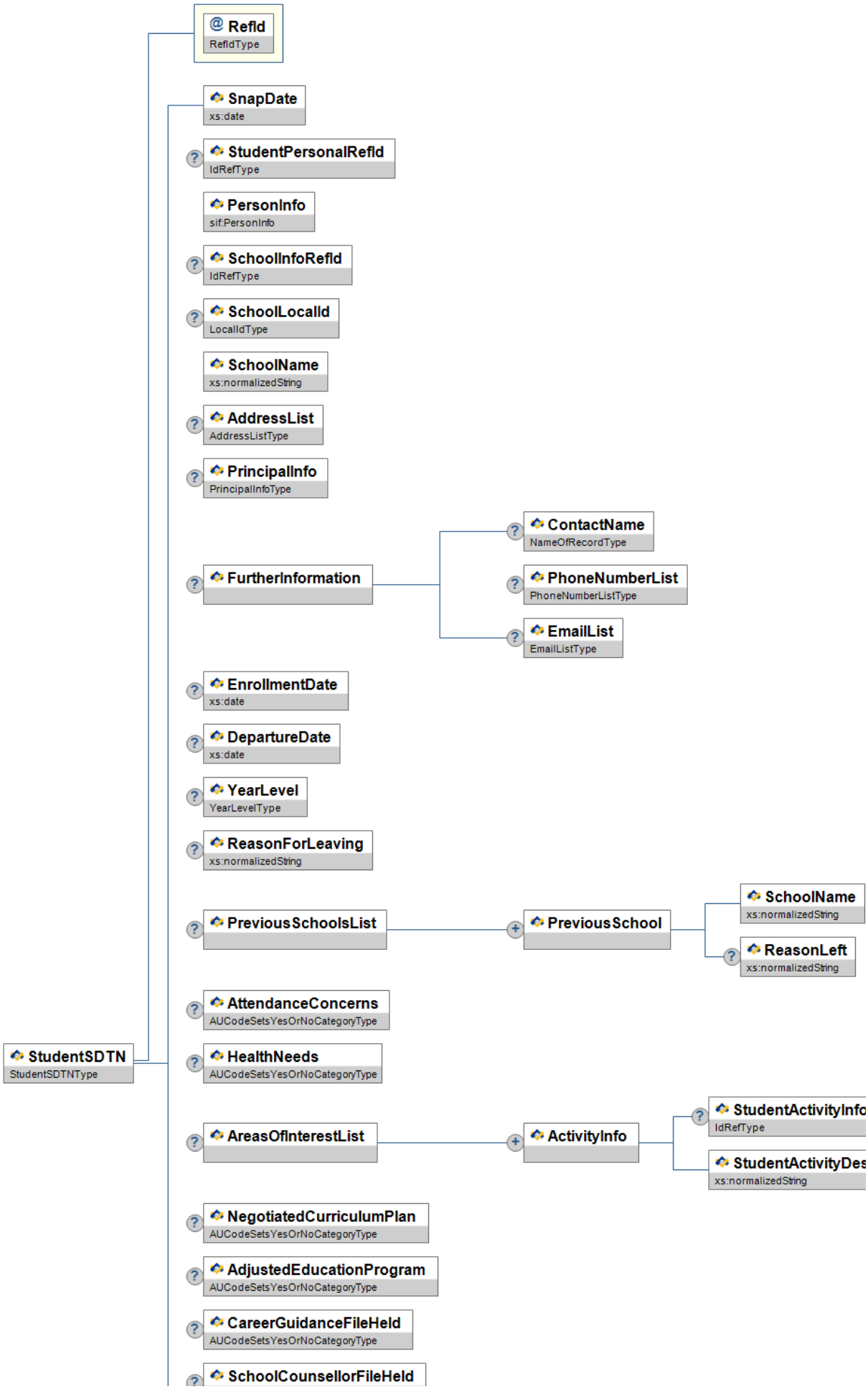

@ RefId
RefIdType
StudentSDTN
StudentSDTNType
SnapDate
xs:date
StudentPersonalRefId
IdRefType
PersonInfo
sif:PersonInfo
SchoolInfoRefId
IdRefType
SchoolLocalId
LocalIdType
SchoolName
xs:normalizedString
AddressList
AddressListType
PrincipalInfo
PrincipalInfoType
FurtherInformation
ContactName
NameOfRecordType
PhoneNumberList
PhoneNumberListType
EmailList
EmailListType
EnrollmentDate
xs:date
DepartureDate
xs:date
YearLevel
YearLevelType
ReasonForLeaving
xs:normalizedString
PreviousSchoolsList
PreviousSchool
SchoolName
xs:normalizedString
ReasonLeft
xs:normalizedString
AttendanceConcerns
AUCodeSetsYesOrNoCategoryType
HealthNeeds
AUCodeSetsYesOrNoCategoryType
AreasOfInterestList
ActivityInfo
StudentActivityInfo
IdRefType
StudentActivityDes
xs:normalizedString
NegotiatedCurriculumPlan
AUCodeSetsYesOrNoCategoryType
AdjustedEducationProgram
AUCodeSetsYesOrNoCategoryType
CareerGuidanceFileHeld
AUCodeSetsYesOrNoCategoryType
SchoolCounsellorFileHeld

Figure 3.3.42-1: StudentSDTN

	Element/@Attribute	Char	Description	Type
	StudentSDTN		This object has been developed to cater for the SDTN – Student Data Transfer Note. http://www.mceecdya.edu.au/verve/_resources/ISDTN_Form_3_Transfer_Note_Oct_06.pdf The elements in this object have been developed to support the LIMF recommendations and allow two or more jurisdictions to exchange this data. http://www.aictec.edu.au/aictec/go/home/about/pid/289	
@	RefId	M	The GUID that uniquely identifies this SDTN Object.	RefIdType
	SnapDate	M	The date that this object was sent.	xs:date
	StudentPersonalRefId	O	The RefId of the StudentPersonal object at the sending school.	IdRefType
	PersonInfo	M	Personal Information.	PersonInfo
	SchoolInfoRefId	O	GUID that identifies the school that provided the SDTN.	IdRefType
	SchoolLocalId	O	The locally-assigned identifier for the school in the original database (sender)	LocalId
	SchoolName	M	Name of school/campus.	xs:normalizedString
	AddressList	O	The school's addresses.	AddressList
	PrincipalInfo	O	Information about the campus or school principal.	PrincipalInfo
	FurtherInformation	O		
	FurtherInformation/ContactName	O	The name of the person to contact for further information on this student.	NameOfRecordType
	FurtherInformation/PhoneNumberList	O	The further contact person's phone number(s).	PhoneNumberList
	FurtherInformation/EmailList	O	The further contact person's e-mail address(es).	EmailList
	EnrollmentDate	O	The date when the student first attended the school.	xs:date
	DepartureDate	O	The last school calendar day the student attended or sign-out date if departure is before end of school year.	xs:date
	YearLevel	O	School Year or academic level of student at departure date.	YearLevel
	ReasonForLeaving	O		xs:normalizedString
	PreviousSchoolsList	O	List of Previous Schools if known (other than the provider school)	List
	PreviousSchoolsList/PreviousSchool	MR	Repeatable element of previous schools information if known. (other than the provider school)	
	PreviousSchoolsList/PreviousSchool/ SchoolName	M	Previous School Name	xs:normalizedString
	PreviousSchoolsList/PreviousSchool/ ReasonLeft	O	Reason for leaving previous school if known.	xs:normalizedString
	AttendanceConcerns	O	Indicator of whether the Student had attendance concerns worth noting.	AUCodeSetsYesOrNoCategoryType
	HealthNeeds	O	Indicator of whether the Student has any Health Care Needs.	AUCodeSetsYesOrNoCategoryType
	AreasOfInterestList	O		List
	AreasOfInterestList/ActivityInfo	MR	Repeatable element containing activities student has an interest in or participates in.	
	AreasOfInterestList/ActivityInfo/ StudentActivityInfoRefId	O	GUID that identifies the activity in which the student participates.	IdRefType

	AreasOfInterestList/ActivityInfo/ StudentActivityDescription	M	Description of Activity Info in the Previous Schools' zone.	xs:normalizedString
	NegotiatedCurriculumPlan	O	Does the student have a negotiated curriculum plan?	AUCodeSetsYesOrNoCategoryType
	AdjustedEducationProgram	O	Does the student have an adjusted education program?	AUCodeSetsYesOrNoCategoryType
	CareerGuidanceFileHeld	O	Does the student have a career guidance file?	AUCodeSetsYesOrNoCategoryType
	SchoolCounsellorFileHeld	O	Is there a School counsellor/psychologist file held?	AUCodeSetsYesOrNoCategoryType
	OtherLearningSupport	O	Comments describing any other required learning support, eg ESL needs.	xs:string
	AcceleratedProgram	O	Did the student participate in an accelerated learning program?	AUCodeSetsYesOrNoCategoryType
	YoungCarersRole	O	Is the student a carer of other family members?	AUCodeSetsYesOrNoCategoryType
	Literacy	O	Progress in Literacy or English according to the National Standard.	AUCodeSetsProgressLevelType
	Numeracy	O	Progress in Numeracy or Maths according to the National Standard.	AUCodeSetsProgressLevelType
	OtherLearningAreasList	O		List
	OtherLearningAreasList/OtherLearningArea	MR	Repeatable element of progress in other learning areas.	
	OtherLearningAreasList/OtherLearningArea/ Description	M	Description of Other Learning Area.	xs:normalizedString
	OtherLearningAreasList/OtherLearningArea/ Result	O	Progress in other learning area according to the National Standard.	AUCodeSetsProgressLevelType
	LatestStudentReportAvailable	O	Is the latest student report available?	AUCodeSetsYesOrNoCategoryType
	PastoralCare	O	Pastoral care and behaviour management	
	PastoralCare/DisciplinaryAbsences	O	Have there been any school disciplinary absences (in or out of school) in the last 12 months	AUCodeSetsYesOrNoCategoryType
	PastoralCare/IndividualBehaviourPlan	O	Is there an individual behaviour management plan	AUCodeSetsYesOrNoCategoryType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.42-1: StudentSDTN


```
<StudentSDTN RefId="9ECC96830E02406F926C1C4D3542D122">
  <SnapDate>2009-03-01</SnapDate>
  <StudentPersonalRefId>646C5D4AC8294886A02B971695C7BC06</StudentPersonalRefId>
  <PersonInfo>
    <Name Type="LGL">
      <FamilyName>Smith</FamilyName>
      <GivenName>Fred</GivenName>
      <FullName>Fred Smith</FullName>
    </Name>
    <OtherNames>
      <Name Type="AKA">
        <FamilyName>Anderson</FamilyName>
        <GivenName>Samuel</GivenName>
        <FullName>Samuel Anderson</FullName>
      </Name>
      <Name Type="PRF">
        <FamilyName>Rowinski</FamilyName>
        <GivenName>Sam</GivenName>
        <FullName>Sam Rowinski </FullName>
      </Name>
    </OtherNames>
    <Demographics>
      <Sex>1</Sex>
      <BirthDate>1995-09-26</BirthDate>
      <AustralianCitizenshipStatus>1</AustralianCitizenshipStatus>
    </Demographics>
  </PersonInfo>
  <SchoolInfoRefId>476C5D4AC8294886A02B971695C7BC06</SchoolInfoRefId>
  <SchoolLocalId>01011234</SchoolLocalId>
  <SchoolName>Lincoln Secondary College</SchoolName>
  <AddressList>
    <Address Type="0123" Role="012B">
      <Street>
        <Line1>23 Nicholson Street</Line1>
      </Street>
      <City>Carnegie</City>
      <StateProvince>VIC</StateProvince>
      <Country>1101</Country>
```

```
      <PostalCode>3004</PostalCode>
      <GridLocation>
        <Latitude>23.9876</Latitude>
        <Longitude>-98.8765</Longitude>
      </GridLocation>
    </Address>
  </AddressList>
  <PrincipalInfo>
    <ContactName Type="LGL">
      <Title>Mr</Title>
      <FamilyName>Miller</FamilyName>
      <GivenName>James</GivenName>
      <MiddleName>Frank</MiddleName>
      <Suffix>Jr.</Suffix>
      <FullName>Mr James Frank Miller Jr.</FullName>
    </ContactName>
    <ContactTitle>School Principal</ContactTitle>
    <PhoneNumberList>
      <PhoneNumber Type="0096">
        <Number>03 9637-2000</Number>
        <Extension>72345</Extension>
        <ListedStatus>Y</ListedStatus>
      </PhoneNumber>
    </PhoneNumberList>
    <EmailList>
      <Email Type="01">jmiller@lsc.vic.edu.au</Email>
      <Email Type="02">jmiller@yahoo.com.au</Email>
    </EmailList>
  </PrincipalInfo>
  <FurtherInformation>
    <ContactName Type="LGL">
      <Title>Mr</Title>
      <FamilyName>Knudson</FamilyName>
      <GivenName>Raymond</GivenName>
      <FullName>Mr Raymond Knudson</FullName>
    </ContactName>
    <PhoneNumberList>
      <PhoneNumber Type="0096">
        <Number>03 9637-2200</Number>
        <Extension>72348</Extension>
        <ListedStatus>Y</ListedStatus>
      </PhoneNumber>
      <PhoneNumber Type="0888">
        <Number>0416 123 785</Number>
        <ListedStatus>N</ListedStatus>
      </PhoneNumber>
    </PhoneNumberList>
    <EmailList>
      <Email Type="01">rknudson@lsc.vic.edu.au</Email>
      <Email Type="02">rknudson@hotmail.com</Email>
    </EmailList>
  </FurtherInformation>
  <EnrollmentDate>2005-01-31</EnrollmentDate>
  <DepartureDate>2008-12-18</DepartureDate>
  <YearLevel>
    <Code>7</Code>
  </YearLevel>
  <ReasonForLeaving>Family re-location</ReasonForLeaving>
  <PreviousSchoolsList>
    <PreviousSchool>
      <SchoolName>Lincoln Primary School</SchoolName>
      <ReasonLeft>Graduated</ReasonLeft>
    </PreviousSchool>
  </PreviousSchoolsList>
  <AttendanceConcerns>N</AttendanceConcerns>
  <HealthNeeds>N</HealthNeeds>
  <AreasOfInterestList>
    <ActivityInfo>
      <StudentActivityInfoRefId>6472B2610947583A463DBB345291B001</StudentActivityInfoRefId>
      <StudentActivityDescription>Athletics</StudentActivityDescription>
    </ActivityInfo>
  </AreasOfInterestList>
  <NegotiatedCurriculumPlan>N</NegotiatedCurriculumPlan>
  <AdjustedEducationProgram>N</AdjustedEducationProgram>
  <CareerGuidanceFileHeld>N</CareerGuidanceFileHeld>
  <SchoolCounsellorFileHeld>N</SchoolCounsellorFileHeld>
  <OtherLearningSupport>ESL Support Given</OtherLearningSupport>
  <AcceleratedProgram>N</AcceleratedProgram>
  <YoungCarersRole>N</YoungCarersRole>
  <Literacy>Below</Literacy>
  <Numeracy>At</Numeracy>
  <OtherLearningAreasList>
    <OtherLearningArea>
      <Description>Language</Description>
      <Result>At</Result>
    </OtherLearningArea>
  </OtherLearningAreasList>
  <LatestStudentReportAvailable>Y</LatestStudentReportAvailable>
  <PastoralCare>
    <DisciplinaryAbsences>N</DisciplinaryAbsences>
    <IndividualBehaviourPlan>N</IndividualBehaviourPlan>
  </PastoralCare>
</StudentSDTN>
```


Example 3.3.42-1: StudentSDTN

3.3.43 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.

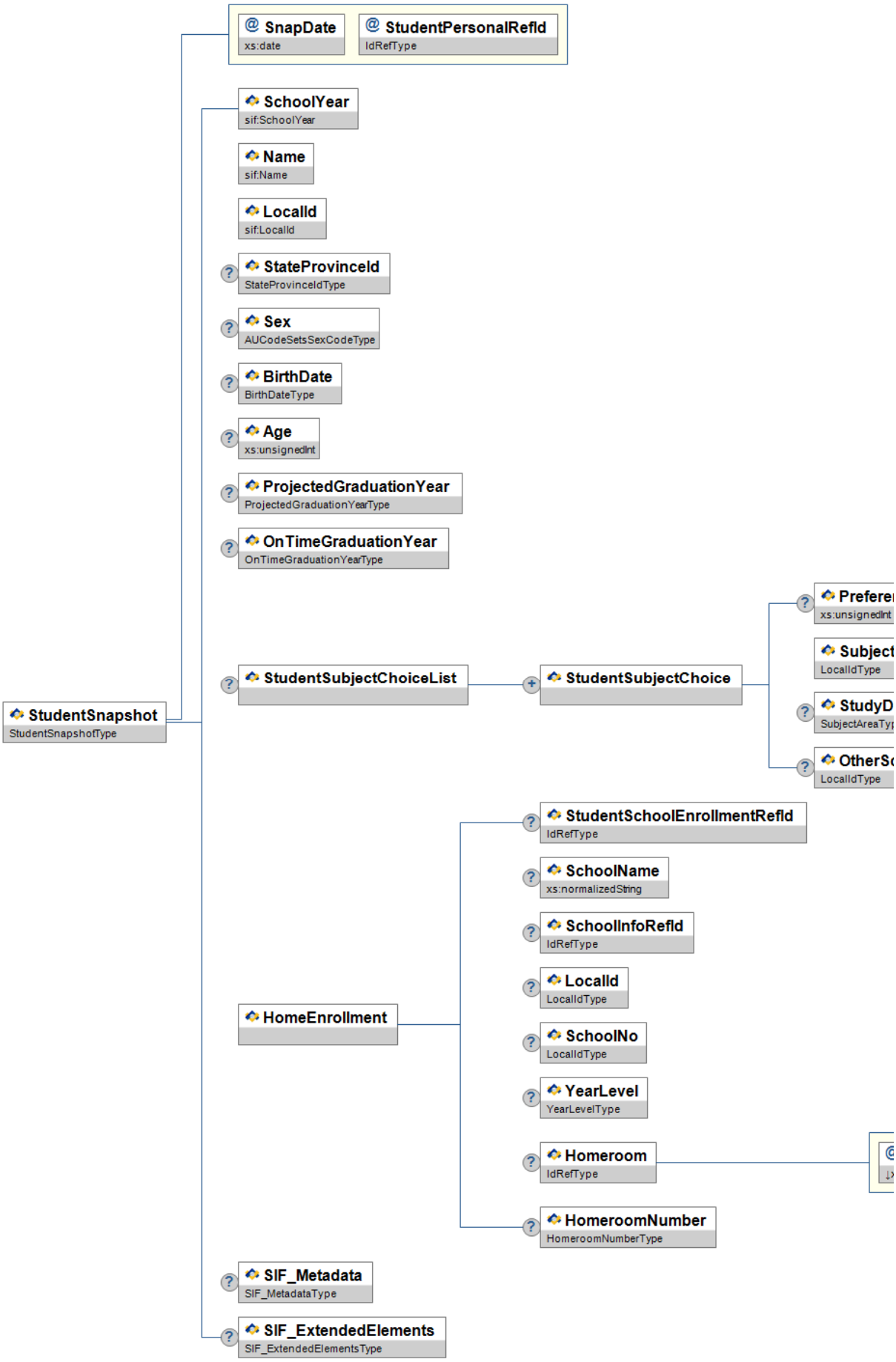


Figure 3.3.43-1: StudentSnapshot

	Element/@Attribute	Char	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.	
@	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`).	`SchoolYear`
	Name	M	The name of the student.	`Name`
	LocalId	M	The locally-defined identifier for this student.	`LocalId`
	StateProvinceId	O	The state-assigned identifier for this student.	`StateProvinceId`
	Sex	O	'Sex' is the distinction 'male' and 'female', as reported by the person.	`AUCodeSetsSexCodeType`
	BirthDate	O	The person's date of birth.	`BirthDate`
	Age	O	The age (in years) of the student on the date in SnapDate.	`xs:unsignedInt`
	ProjectedGraduationYear	O	Currently projected graduation year.	`ProjectedGraduationYear`
	OnTimeGraduationYear	O	First projected graduation year, usually determined when student is accepted into ninth grade.	`OnTimeGraduationYear`
	StudentSubjectChoiceList	O	List of Student Subject Choices where available.	`List`
	StudentSubjectChoiceList/ StudentSubjectChoice	MR	Subjects Students Choose	
	StudentSubjectChoiceList/ StudentSubjectChoice/PreferenceNumber	O	Subject Priority	`xs:unsignedInt`
	StudentSubjectChoiceList/ StudentSubjectChoice/SubjectLocalId	M	Local Subject Id	`LocalId`
	StudentSubjectChoiceList/ StudentSubjectChoice/StudyDescription	O	Description about Study Mode.	`SubjectArea`
	StudentSubjectChoiceList/ StudentSubjectChoice/OtherSchoolLocalId	O	Localid of a school where the student studies this subject if not at the home school.	`LocalId`
	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.	
	HomeEnrollment/StudentSchoolEnrollmentRefId	O	The ID (GUID) of the StudentSchoolEnrollment object from which the enrollment information is derived.	`IdRefType`
	HomeEnrollment/SchoolName	O	Name of the school.	`xs:normalizedString`
	HomeEnrollment/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`
	HomeEnrollment/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.	`LocalId`

	HomeEnrollment/SchoolNo	O	The state or province defined identifier for this school.	LocalId
	HomeEnrollment/YearLevel	O	Year or academic level of student.	YearLevel
	HomeEnrollment/Homeroom	O	HomeGroup this student belongs to	IdRefType
@	SIF_RefObject	M	The name of the SIF object referenced.	**values:** RoomInfo
	HomeEnrollment/HomeroomNumber	O	The locally-defined identifier of that room	HomeroomNumber
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.43-1: StudentSnapshot

```
<StudentSnapshot SnapDate="2003-10-01" StudentPersonalRefId="A15484ED564995254A4568EFFC5100BD">
  <SchoolYear>2004</SchoolYear>
  <Name Type="LGL">
    <FamilyName>Woodall</FamilyName>
    <GivenName>Charles</GivenName>
    <MiddleName>William</MiddleName>
  </Name>
  <LocalId>1089543</LocalId>
  <StateProvinceId>A50321</StateProvinceId>
  <Sex>1</Sex>
  <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>
    <YearLevel>
      <Code>9</Code>
    </YearLevel>
    <Homeroom SIF_RefObject="RoomInfo">9475683579BA648E0548DDA8365700F4</Homeroom>
    <HomeroomNumber>B024</HomeroomNumber>
  </HomeEnrollment>
</StudentSnapshot>
```

Example 3.3.43-1: StudentSnapshot

3.3.44 SummaryEnrollmentInfo

A key Australian business requirement is the ability to publish a complete student status update on demand. This status may include multiple school enrolments.

This object supports the publishing of a consolidated student update containing all school enrollments and the student's classes at each school.

SIF_Events are reported for this object.

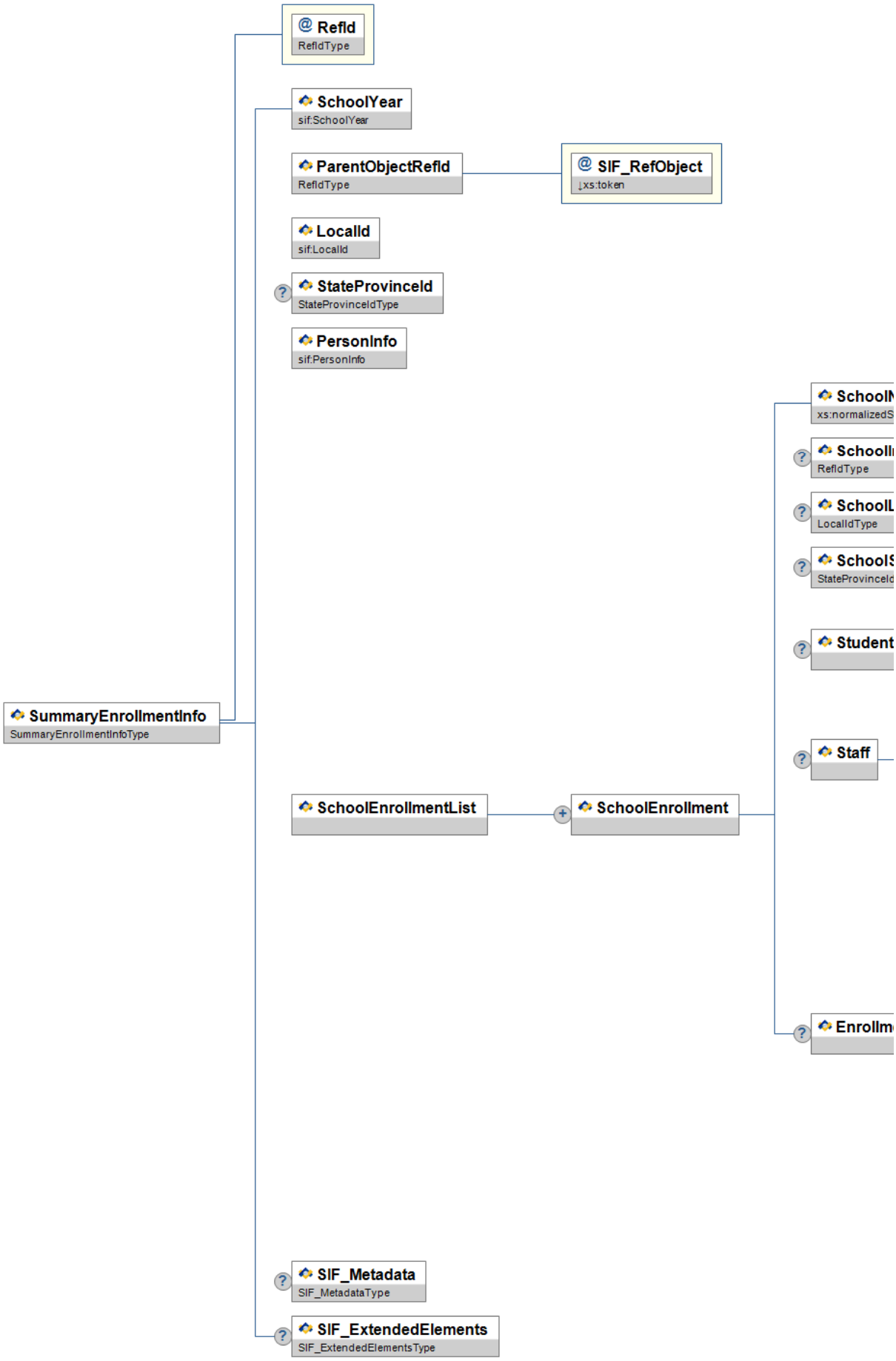


Figure 3.3.44-1: SummaryEnrollmentInfo

	Element/@Attribute	Char	Description	Type

	SummaryEnrollmentInfo		A key Australian business requirement is the ability to publish a complete student status update on demand. This status may include multiple school enrolments. This object supports the publishing of a consolidated student update containing all school enrollments and the student's classes at each school.	
@	RefId	M	The ID (GUID) that uniquely identifies the enrollment.	RefIdType
	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").	SchoolYear
	ParentObjectRefId	M	The GUID of the related parent object	RefIdType
@	SIF_RefObject	M		**values:** StudentPersonal StaffPersonal
	LocalId	M	The locally-defined identifier for this student/teacher.	LocalId
	StateProvinceId	O	The state-assigned identifier for this student/teacher.	StateProvinceId
	PersonInfo	M	Personal Information.	PersonInfo
	SchoolEnrollmentList	M	List of school enrollments for a Student or assignments for a Staff member. There must be at least one.	List
	SchoolEnrollmentList/SchoolEnrollment	MR	School information for the Student enrollment or Staff assignment. There must be at least one.	
	SchoolEnrollmentList/SchoolEnrollment/ SchoolName	M	Name of school/campus.	xs:normalizedString
	SchoolEnrollmentList/SchoolEnrollment/ SchoolInfoRefId	C	The ID (GUID) of the school. Provide both the SchoolInfo RefId and LocalId elements if possible. If not, one or the other must be provided.	RefIdType
	SchoolEnrollmentList/SchoolEnrollment/ SchoolLocalId	C	The locally-defined identifier for this school. Provide both the LocalId and SchoolId elements if possible. If not, one or the other must be provided.	LocalId
	SchoolEnrollmentList/SchoolEnrollment/ SchoolStateProvinceId	O	The state or province defined identifier for this school.	StateProvinceId
	SchoolEnrollmentList/SchoolEnrollment/ Student	C	Either the Staff or Student must be provided.	
	SchoolEnrollmentList/SchoolEnrollment/ Student/StudentSchoolEnrollmentRefId	M	The ID (GUID) of the StudentSchoolEnrollment object from which the enrollment information is derived.	RefIdType
	SchoolEnrollmentList/SchoolEnrollment/ Student/StudentLocalId	O	The locally-defined identifier for this Student.	LocalId
	SchoolEnrollmentList/SchoolEnrollment/ Staff	C	Either the Staff or Student must be provided.	
	SchoolEnrollmentList/SchoolEnrollment/ Staff/StaffAssignmentRefId	M	The ID (GUID) of the StaffAssignment object from which the enrollment information is derived.	RefIdType
	SchoolEnrollmentList/SchoolEnrollment/ Staff/StaffLocalId	O	The locally-defined identifier for this Staff.	LocalId
	SchoolEnrollmentList/SchoolEnrollment/ EnrollmentList	O	A List of enrolments. Note these are enrolments at a class level rather than at a school level.	List
	SchoolEnrollmentList/SchoolEnrollment/ EnrollmentList/Enrollment	MR	Enrollment at the class level.	
	SchoolEnrollmentList/SchoolEnrollment/ EnrollmentList/Enrollment/ TeachingGroupRefId	O	GUID that identifies this Class as a Teaching Group.	IdRefType
	SchoolEnrollmentList/SchoolEnrollment/ EnrollmentList/Enrollment/ SchoolCourseInfoRefId	O	GUID that identifies this Course for this class.	IdRefType
	SchoolEnrollmentList/SchoolEnrollment/ EnrollmentList/Enrollment/ TimeTableSubjectRefId	O	GUID that identifies this Subject/Offering for this class.	IdRefType

	SchoolEnrollmentList/SchoolEnrollment/ EnrollmentList/Enrollment/ LocalId	M	Local Class ID for this enrolment. Should be the same as the LocalId in the TeachingGroup	LocalId
	SchoolEnrollmentList/SchoolEnrollment/ EnrollmentList/Enrollment/ ShortName	O	Short free format label that describes the class. Should be the same as the ShortName in the TeachingGroup	xs:normalizedString
	SchoolEnrollmentList/SchoolEnrollment/ EnrollmentList/Enrollment/ SchoolYear	O	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2009").	SchoolYear
	SchoolEnrollmentList/SchoolEnrollment/ EnrollmentList/Enrollment/ SubjectLocalId	O	The local subject/offering code for this class.	LocalId
	SchoolEnrollmentList/SchoolEnrollment/ EnrollmentList/Enrollment/ CourseLocalId	O	The local course code for this class.	LocalId
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.44-1: SummaryEnrollmentInfo

```
<SummaryEnrollmentInfo RefId="9ECC96830E02406F926C1C4D3542D122">
  <SchoolYear>2009</SchoolYear>
  <ParentObjectRefId SIF_RefObject="StudentPersonal">646C5D4AC8294886A02B971695C7BC06</ParentObjectRefId>
  <LocalId>01011234</LocalId>
  <StateProvinceId>012456M</StateProvinceId>
  <PersonInfo>
    <Name Type="LGL">
      <FamilyName>Smith</FamilyName>
      <GivenName>Fred</GivenName>
      <FullName>Fred Smith</FullName>
    </Name>
    <OtherNames>
      <Name Type="PRF">
        <FamilyName>Smith</FamilyName>
        <GivenName>Sam</GivenName>
        <FullName>Sam Smith</FullName>
      </Name>
    </OtherNames>
    <Demographics>
      <Sex>1</Sex>
      <BirthDate>1995-09-26</BirthDate>
      <AustralianCitizenshipStatus>1</AustralianCitizenshipStatus>
    </Demographics>
  </PersonInfo>
  <SchoolEnrollmentList>
    <SchoolEnrollment>
      <SchoolName>Lilyput High School</SchoolName>
      <SchoolInfoRefId>9ECC96830E02406F926C1C4D3542D124</SchoolInfoRefId>
      <SchoolLocalId>012359</SchoolLocalId>
      <Student>
        <StudentSchoolEnrollmentRefId>99F3CC9B5CCE49EEBDEBA82CE52AC4FB</StudentSchoolEnrollmentRefId>
        <StudentLocalId>SMI00123</StudentLocalId>
      </Student>
      <EnrollmentList>
        <Enrollment>
          <TeachingGroupRefId>B1A081420BBB486590ABC919447C4379</TeachingGroupRefId>
          <LocalId>YR10 Commerce</LocalId>
        </Enrollment>
        <Enrollment>
          <TeachingGroupRefId>7B5542C664D94DB4B3386B3B4A8EACF3</TeachingGroupRefId>
          <LocalId>YR10 Core</LocalId>
          <SchoolYear>2009</SchoolYear>
        </Enrollment>
      </EnrollmentList>
    </SchoolEnrollment>
    <SchoolEnrollment>
      <SchoolName>Lily Language School</SchoolName>
      <SchoolInfoRefId>9DCC94830E02406F926C1C4D3542D124</SchoolInfoRefId>
      <SchoolLocalId>012345</SchoolLocalId>
      <Student>
        <StudentSchoolEnrollmentRefId>CC0ACB4FAD6E485FBAC07EAD8BE5E38F</StudentSchoolEnrollmentRefId>
        <StudentLocalId>SMI00456</StudentLocalId>
      </Student>
      <EnrollmentList>
        <Enrollment>
          <TeachingGroupRefId>74557C466A524E8D9085EB215B80865D</TeachingGroupRefId>
          <LocalId>YR10 French</LocalId>
        </Enrollment>
      </EnrollmentList>
    </SchoolEnrollment>
  </SchoolEnrollmentList>
</SummaryEnrollmentInfo>
```

Example 3.3.44-1: SummaryEnrollmentInfo

3.3.45 SystemRole

The SystemRole Object defines the systems that a user has access to, the roles they perform within those systems, and the scope of those roles within the particular system.

The RoleScopeList is used to list the entities over which the user has access rights.

SIF_Events are reported for this object.

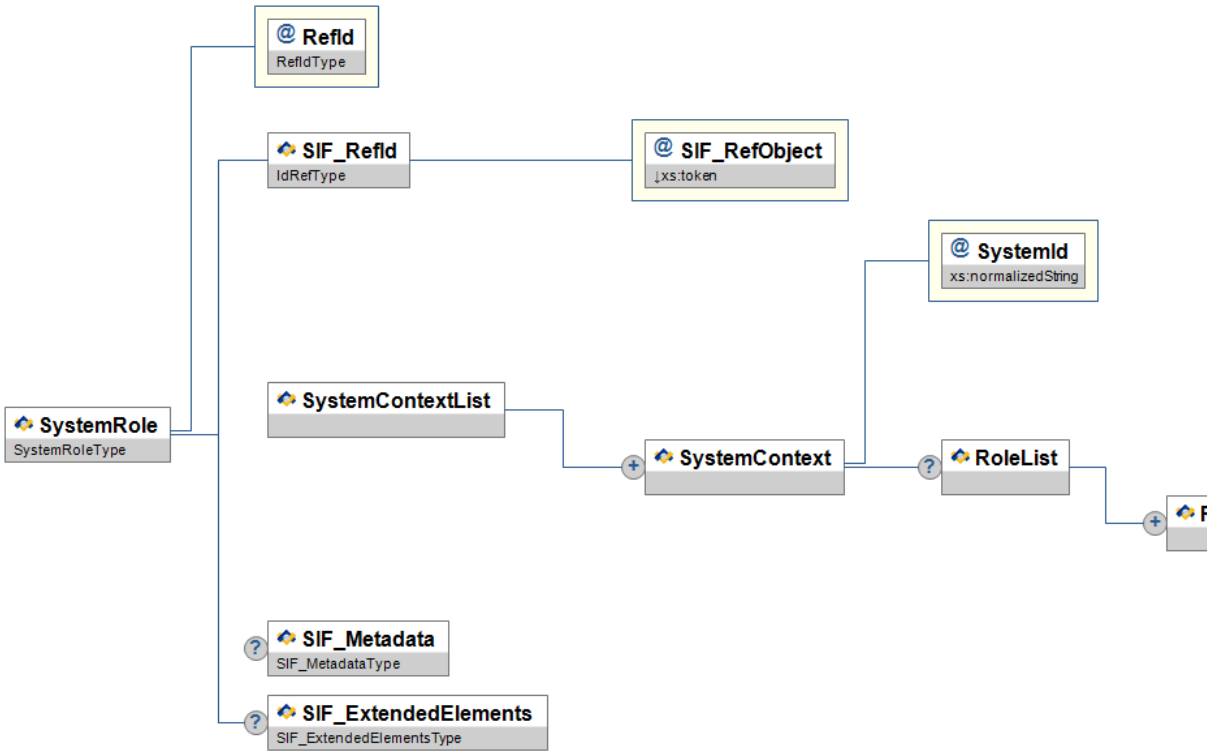


Figure 3.3.45-1: SystemRole

	Element/@Attribute	Char	Description	Type
	SystemRole		The SystemRole Object defines the systems that a user has access to, the roles they perform within those systems, and the scope of those roles within the particular system. The RoleScopeList is used to list the entities over which the user has access rights.	
@	RefId	M	The SIF RefId that uniquely identifies this object.	`RefIdType`
	SIF_RefId	M	The SIF RefId that provides the source Object for this SystemRole Object.	`IdRefType`

@	SIF_RefObject	M	The type of SIF object that the SIF_RefId attribute identifies.	**values:**
				
				`Identity`
				`StudentPersonal`
				`StaffPersonal`
				`StudentContactPersonal`

	SystemContextList	M	At least one SystemContext must be provided.	`List`
	SystemContextList/SystemContext	MR	Details about enterprise roles for an Identity/Personal Object for subscribing systems	
@	SystemId	M	Id of the system that this SystemContext relates to.	`xs:normalizedString`
	SystemContextList/SystemContext/ RoleList	O	List of Roles.	`List`
	SystemContextList/SystemContext/ RoleList/Role	MR	Role of the entity this object describes in the SystemContext.	

@	RoleId	M	Role of the entity this object describes in the SystemContext.
			
			Examples
			`Admin`
			`User`
				`xs:normalizedString`

	SystemContextList/SystemContext/ RoleList/Role/RoleScopeList	O		`List`
	SystemContextList/SystemContext/ RoleList/Role/RoleScopeList/ RoleScope	MR	Container	
	SystemContextList/SystemContext/ RoleList/Role/RoleScopeList/ RoleScope/RoleScopeName	C	The group/OU this role is applicable to. One of RoleScopeName or associated RefId must be provided.	`xs:normalizedString`
	SystemContextList/SystemContext/ RoleList/Role/RoleScopeList/ RoleScope/RoleScopeRefId	C	The SIF_RefId that provides the source Object for this RoleScope. One of RoleScopeName or associated RefId must be provided.	`IdRefType`

@	SIF_RefObject	M	The type of SIF object that the SIF_RefId attribute identifies.	**values:** SchoolInfo TeachingGroup StudentActivityParticipation
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.45-1: SystemRole

```
<SystemRole RefId="4286194F43ED43C18EE2F0A27C4BEF86">
  <SIF_RefId SIF_RefObject="Identity">23B08571E4D645C3B82A3E52E5349925</SIF_RefId>
  <SystemContextList>
    <SystemContext SystemId="LearningPlatformSystem1">
      <RoleList>
        <Role RoleId="Admin">
          <RoleScopeList>
            <RoleScope>
              <RoleScopeName>SchoolGroupName1</RoleScopeName>
              <RoleScopeRefId SIF_RefObject="SchoolInfo">23B08571E4D645C3B82A3E52E5349912</RoleScopeRefId>
            </RoleScope>
            <RoleScope>
              <RoleScopeName>ClassName1</RoleScopeName>
              <RoleScopeRefId SIF_RefObject="TeachingGroup">23B08571E4D645C3B82A3E52E5349945</RoleScopeRefId>
            </RoleScope>
          </RoleScopeList>
        </Role>
      </RoleList>
    </SystemContext>
    <SystemContext SystemId="ContentManagement">
      <RoleList>
        <Role RoleId="User">
          <RoleScopeList>
            <RoleScope>
              <RoleScopeName>SchoolName1</RoleScopeName>
              <RoleScopeRefId SIF_RefObject="StudentActivityParticipation">23B08571E4D645C3B82A3E52E5349923</RoleScopeRefId>
            </RoleScope>
          </RoleScopeList>
        </Role>
      </RoleList>
    </SystemContext>
  </SystemContextList>
</SystemRole>
```

Example 3.3.45-1: SystemRole

3.3.46 TeachingGroup

This object identifies a particular Teaching Group or class in a particular a time table.

The proposed object is based on the UK B1: TeachingGroup object. For the Australian object, a subject being taught at any one year level can have more than one teaching group in any one time table. Also a teaching group can be brought together for more than one subject.

All local ids in non-authoritative objects are optional. It is therefore up to the provider and the actual agent's design and choreography to determine whether or not to use or local ids from parent objects. There are cases in some subscribing systems where it might not possible to add RefId columns and therefore the RefId of related objects cannot be stored. For example a target system that listens to TimeTableSubject events and updates them may not be able to store the associated SchoolCourseInfoRefId with that object. The only way it can link the TimeTableSubject object with the appropriate course might be through its local course id. Having local ids that link the parent objects with the child object can simplify the agent design. Generally it is suggested to use the appropriate RefIds whenever possible and only use local ids if there is no other way to use RefIds.

SIF_Events are reported for this object.

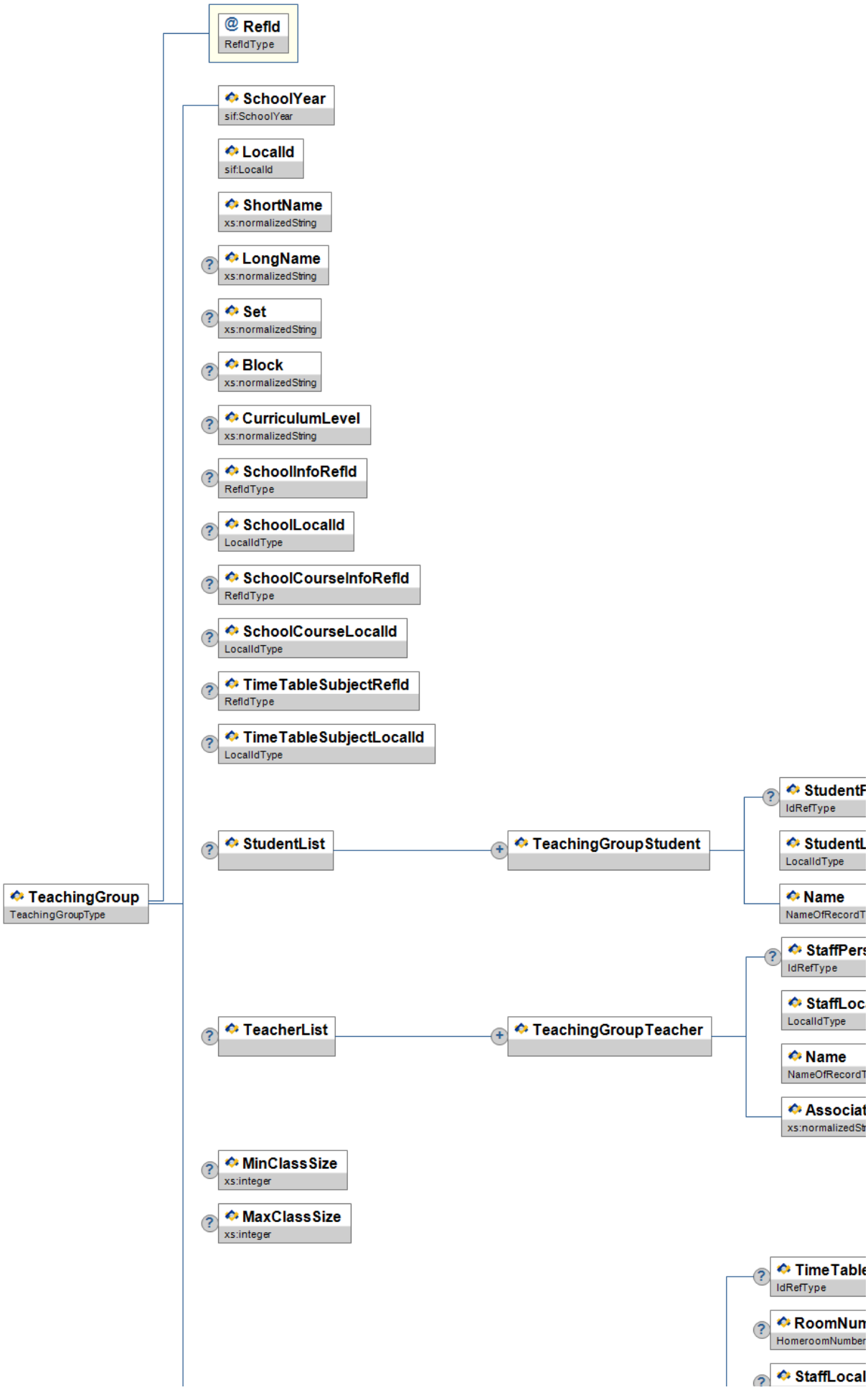

@ RefId
RefIdType
SchoolYear
sif:SchoolYear
LocalId
sif:LocalId
ShortName
xs:normalizedString
LongName
xs:normalizedString
Set
xs:normalizedString
Block
xs:normalizedString
CurriculumLevel
xs:normalizedString
SchoolInfoRefId
RefIdType
SchoolLocalId
LocalIdType
SchoolCourseInfoRefId
RefIdType
SchoolCourseLocalId
LocalIdType
TimeTableSubjectRefId
RefIdType
TimeTableSubjectLocalId
LocalIdType
StudentList
TeachingGroupStudent
Name
TeachingGroup
TeachingGroupType
TeacherList
TeachingGroupTeacher
Name
MinClassSize
xs:integer
MaxClassSize
xs:integer

Figure 3.3.46-1: TeachingGroup

	Element/@Attribute	Char	Description	Type
	TeachingGroup		This object identifies a particular Teaching Group or class in a particular a time table. The proposed object is based on the UK B1: TeachingGroup object. For the Australian object, a subject being taught at any one year level can have more than one teaching group in any one time table. Also a teaching group can be brought together for more than one subject. All local ids in non-authoritative objects are optional. It is therefore up to the provider and the actual agent's design and choreography to determine whether or not to use or local ids from parent objects. There are cases in some subscribing systems where it might not possible to add RefId columns and therefore the RefId of related objects cannot be stored. For example a target system that listens to TimeTableSubject events and updates them may not be able to store the associated SchoolCourseInfoRefId with that object. The only way it can link the TimeTableSubject object with the appropriate course might be through its local course id. Having local ids that link the parent objects with the child object can simplify the agent design. Generally it is suggested to use the appropriate RefIds whenever possible and only use local ids if there is no other way to use RefIds.	
@	RefId	M	The GUID of the TeachingGroup	RefIdType
	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").	SchoolYear
	LocalId	M	LocalId of the Teaching Group (previously ClassIndicator).	LocalId
	ShortName	M	Short free format label that describes the group.	xs:normalizedString
	LongName	O	Longer description of required	xs:normalizedString
	Set	O	Set Number (UK)	xs:normalizedString
	Block	O	Block (UK)	xs:normalizedString
	CurriculumLevel	O	Assessment Stage eg VELS Level	xs:normalizedString
	SchoolInfoRefId	O	GUID of SchoolInfo object this teaching group belongs to.	RefIdType
	SchoolLocalId	O	Local School Id.	LocalId
	SchoolCourseInfoRefId	O	GUID of SchoolCourseInfo object this teaching group is part of.	RefIdType
	SchoolCourseLocalId	O	Local Course Id.	LocalId
	TimeTableSubjectRefId	O	GUID of TimeTableSubject object this teaching group belongs to.	RefIdType
	TimeTableSubjectLocalId	O	Local subject Id.	LocalId
	StudentList	O	List of Students in this Teaching Group	List
	StudentList/TeachingGroupStudent	MR	Students who belong to the TeachingGroup	
	StudentList/TeachingGroupStudent/ StudentPersonalRefId	O	GUID from the StudentPersonal or StudentSnapshot Object (if known), that identifies the student.	IdRefType
	StudentList/TeachingGroupStudent/ StudentLocalId	M	Local Id of the Student	LocalId
	StudentList/TeachingGroupStudent/ Name	M	Name of student	NameOfRecordType
	TeacherList	O	A List of teachers associated with the group – may or maynot include the teacher timetabled in the schedule.	List
	TeacherList/TeachingGroupTeacher	MR	Teacher associated with the Teaching group – may or may not be the teacher timetabled in the schedule	

	TeacherList/TeachingGroupTeacher/ StaffPersonalRefId	O	GUID from the StaffPersonal Object that identifies the Staff member	IdRefType
	TeacherList/TeachingGroupTeacher/ StaffLocalId	M	LocalId of the Staff member	LocalId
	TeacherList/TeachingGroupTeacher/ Name	M		NameOfRecordType
	TeacherList/TeachingGroupTeacher/ Association	M	Association with the Teaching Group (free format for this release)	xs:normalizedString
	MinClassSize	O	Minimum class size.	xs:integer
	MaxClassSize	O	Maximum class size	xs:integer
	TeachingGroupPeriodList	O	A List of schedule information that can be published by an SIS which is a subset of information available in the TimeTableCell object. PeriodId or StartTime must be provided.	List
	TeachingGroupPeriodList/TeachingGroupPeriod	MR	Timeslot information that can be published by an SIS which is a subset of information available in the TimeTableCell object.	
	TeachingGroupPeriodList/TeachingGroupPeriod/ TimeTableCellRefId	O	If the TimeTableCell has been previously published, this reference can be provided as a connection to more detailed schedule information.	IdRefType
	TeachingGroupPeriodList/TeachingGroupPeriod/ RoomNumber	O	Room number as presented to the user/application.	HomeroomNumber
	TeachingGroupPeriodList/TeachingGroupPeriod/ StaffLocalId	O	Local Id of Staff member scheduled to take this class.	LocalId
	TeachingGroupPeriodList/TeachingGroupPeriod/ DayId	M	Day Id	LocalId
	TeachingGroupPeriodList/TeachingGroupPeriod/ PeriodId	C	Period Id within the Day Id	LocalId
	TeachingGroupPeriodList/TeachingGroupPeriod/ StartTime	C	Starting time of class within the Day Id	LocalId
	TeachingGroupPeriodList/TeachingGroupPeriod/ CellType	O	Type of Lesson/Session eg Teaching, Lunch etc	xs:normalizedString
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.46-1: TeachingGroup

```
<TeachingGroup RefId="64A309DA063A2E35B359D75101A8C3D1">
  <SchoolYear>2008</SchoolYear>
  <LocalId>20087ASPN</LocalId>
  <ShortName>7A SPN</ShortName>
  <LongName>Year 7A Maths - Space and Numbers</LongName>
  <Set>4</Set>
  <Block>6</Block>
  <CurriculumLevel>VELS Level 5</CurriculumLevel>
  <StudentList>
    <TeachingGroupStudent>
      <StudentPersonalRefId>9897466F200E4BC1B9AED1507DA15CEF</StudentPersonalRefId>
      <StudentLocalId>SMI001</StudentLocalId>
      <Name Type="LGL">
        <FamilyName>Smith</FamilyName>
        <GivenName>Peter</GivenName>
      </Name>
    </TeachingGroupStudent>
    <TeachingGroupStudent>
      <StudentPersonalRefId>7C834EA9EDA12090347F83297E1C290D</StudentPersonalRefId>
      <StudentLocalId>SMI002</StudentLocalId>
      <Name Type="LGL">
        <FamilyName>Smith</FamilyName>
        <GivenName>Jennifer</GivenName>
      </Name>
    </TeachingGroupStudent>
    <TeachingGroupStudent>
      <StudentPersonalRefId>7C834EA9EDA12090347F83297E1C290E</StudentPersonalRefId>
      <StudentLocalId>SMI003</StudentLocalId>
      <Name Type="LGL">
        <FamilyName>Smith</FamilyName>
        <GivenName>Terence</GivenName>
      </Name>
    </TeachingGroupStudent>
  </StudentList>
  <TeacherList>
    <TeachingGroupTeacher>
      <StaffPersonalRefId>A8C3A2E35B359D75101D00AA001A0000</StaffPersonalRefId>
      <StaffLocalId>SMI1</StaffLocalId>
      <Name Type="LGL">
        <FamilyName>Smith</FamilyName>
        <GivenName>Thomas</GivenName>
      </Name>
      <Association>Class Teacher</Association>
```

```
    </TeachingGroupTeacher>
    <TeachingGroupTeacher>
      <StaffPersonalRefId>A8CCCCE35B359D75101D00AA001A0000</StaffPersonalRefId>
      <StaffLocalId>LONG2</StaffLocalId>
      <Name Type="LGL">
        <FamilyName>Long</FamilyName>
        <GivenName>Tamara</GivenName>
      </Name>
      <Association>Integration Aide</Association>
    </TeachingGroupTeacher>
  </TeacherList>
  <TeachingGroupPeriodList>
    <TeachingGroupPeriod>
      <DayId>M</DayId>
      <PeriodId>2</PeriodId>
    </TeachingGroupPeriod>
    <TeachingGroupPeriod>
      <DayId>F</DayId>
      <PeriodId>6</PeriodId>
    </TeachingGroupPeriod>
  </TeachingGroupPeriodList>
</TeachingGroup>
```

Example 3.3.46-1: TeachingGroup

3.3.47 TermInfo

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

SIF_Events are reported for this object.

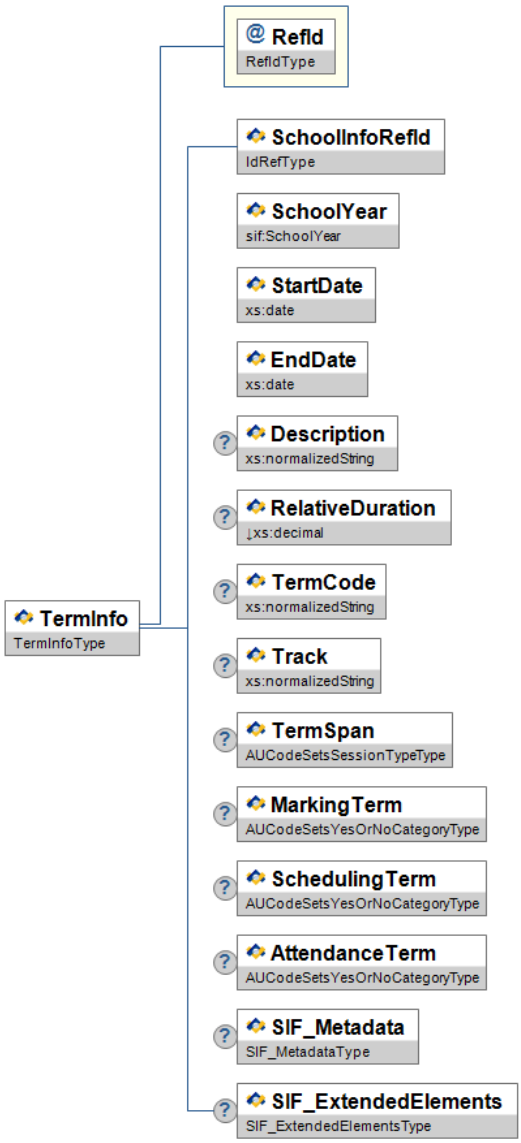


Figure 3.3.47-1: TermInfo

	Element/@Attribute	Char	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., "2009").	SchoolYear
	StartDate	M	Starting date of the term.	xs:date
	EndDate	M	Ending date of the term.	xs:date
	Description	O	Text-based description of the term.	xs:normalizedString
	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	What sort of Session this TermSpan equates to.	AUCodeSetsSessionTypeType
	MarkingTerm	O	Does this TermInfo represent a marking period?	AUCodeSetsYesOrNoCategoryType
	SchedulingTerm	O	Does this TermInfo represent a scheduling term?	AUCodeSetsYesOrNoCategoryType
	AttendanceTerm	O	Does this TermInfo represent an attendance term?	AUCodeSetsYesOrNoCategoryType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.47-1: TermInfo

```
<TermInfo RefId="7E59D75101A80A70016375DE097A0726">
  <SchoolInfoRefId>A2E35B359D75101A8C3D00AA001A0000</SchoolInfoRefId>
  <SchoolYear>2004</SchoolYear>
  <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>0833</TermSpan>
</TermInfo>
```

Example 3.3.47-1: TermInfo

3.3.48 TimeTable

The purpose of this object is to define a schedule or Time Table structure/skeleton for the school. The Time Table is produced by the Time Tabling software. Once the Time Table is produced, the time tabling software creates the schedule based on business rules and constraints to fit into the time table structure.

The proposed Time Table object is based on a combination of the proposed UK B6 – Timetable Cycle Object and Timetable Scope Object.

The Time Table is identified uniquely in the SIF Zone by its' GUID, School and School Year. A Time Table is linked to a particular school.

All local ids in non-authoritative objects are optional. It is therefore up to the provider and the actual agent's design and choreography to determine whether or not to use or local ids from parent objects. There are cases in some subscribing systems where it might not possible to add RefId columns and therefore the RefId of related objects cannot be stored. For example a target system that listens to TimeTableSubject events and updates them may not be able to store the associated SchoolCourseInfoRefId with that object. The only way it can link the TimeTableSubject object with the appropriate course might be through its local course id. Having local ids that link the parent objects with the child object can simplify the agent design. Generally it is suggested to use the appropriate RefIds whenever possible and only use local ids if there is no other way to use RefIds.

SIF_Events are reported for this object.

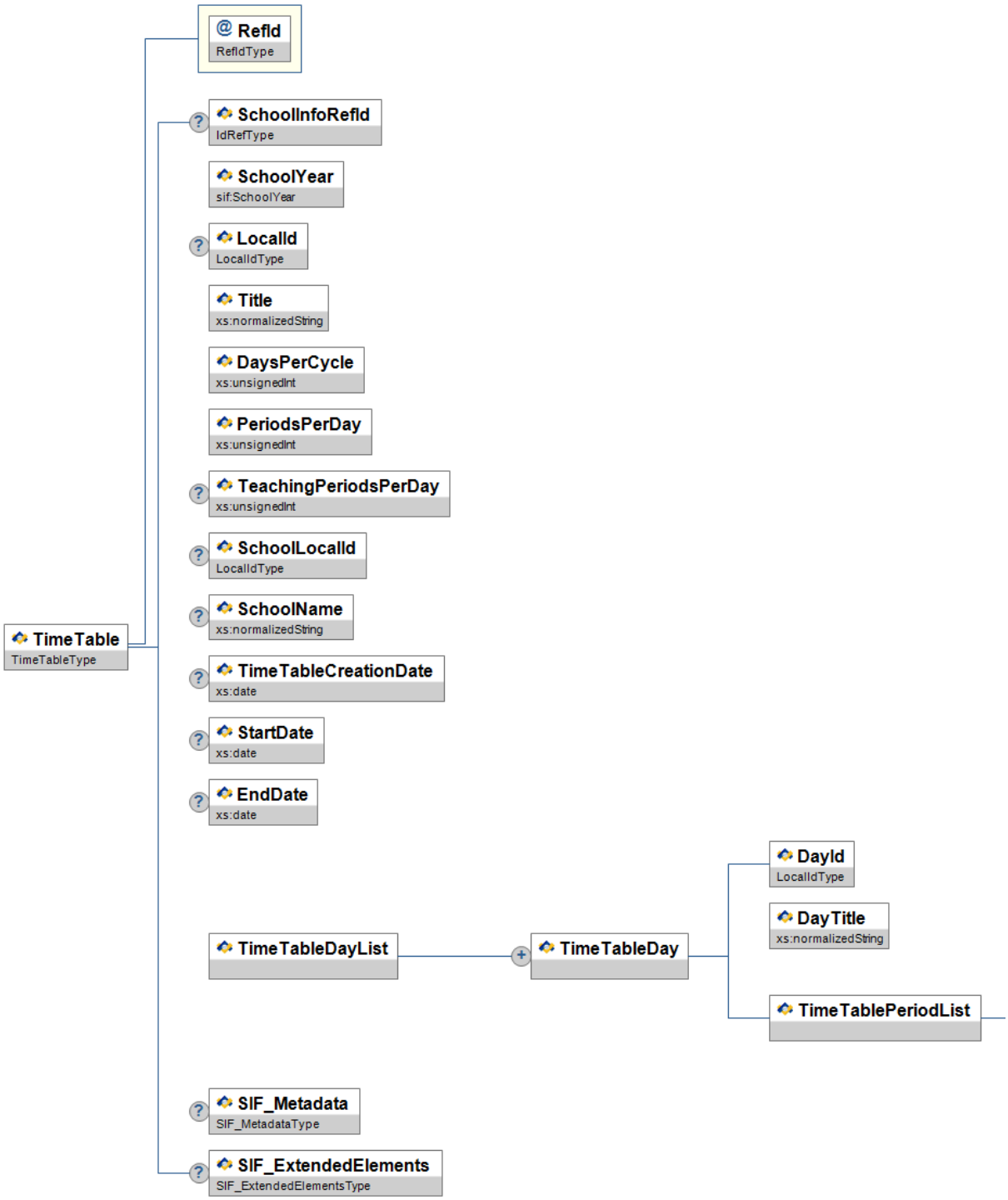


Figure 3.3.48-1: TimeTable

	Element/@Attribute	Char	Description	Type
	TimeTable		The purpose of this object is to define a schedule or Time Table structure/skeleton for the school. The Time Table is produced by the Time Tabling software. Once the Time Table is produced, the time tabling software creates the schedule based on business rules and constraints to fit into the time table structure. The proposed Time Table object is based on a combination of the proposed UK B6 – Timetable Cycle Object and Timetable Scope Object. The Time Table is identified uniquely in the SIF Zone by its' GUID, School and School Year. A Time Table is linked to a particular school. All local ids in non-authoritative objects are optional. It is therefore up to the provider and the actual agent's design and choreography to determine whether or not to use or local ids from parent objects. There are cases in some subscribing systems where it might not possible to add RefId columns and therefore the RefId of related objects cannot be stored. For example a target system that listens to TimeTableSubject events and updates them may not be able to store the associated SchoolCourseInfoRefId with that object. The only way it can link the TimeTableSubject object with the appropriate course might be through its local course id. Having local ids that link the parent objects with the child object can simplify the agent design. Generally it is suggested to use the appropriate RefIds whenever possible and only use local ids if there is no other way to use RefIds.	

@	RefId	M	GUID that identifies this TimeTable object.	RefIdType
	SchoolInfoRefId	O	Optional the GUID of the SchoolInfo Object if this object is known in the zone.	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").	SchoolYear
	LocalId	O	Local TimeTable ID	LocalId
	Title	M	Unique Name of the proposed Time Table	xs:normalizedString
	DaysPerCycle	M	Max Number of days per Time Table cycle	xs:unsignedInt
	PeriodsPerDay	M	Max Number of periods per Time Table Day	xs:unsignedInt
	TeachingPeriodsPerDay	O	Teaching periods per day if different to PeriodsPerDay	xs:unsignedInt
	SchoolLocalId	O	Optional Local School Id	LocalId
	SchoolName	O	The school name in plain text.	xs:normalizedString
	TimeTableCreationDate	O	Date Schedule was created or last edited.	xs:date
	StartDate	O	First day of TimeTable.	xs:date
	EndDate	O	Last day of the TimeTable.	xs:date
	TimeTableDayList	M	Container for TimeTableDays in Schedule	List
	TimeTableDayList/TimeTableDay	MR	This element identifies a 'day' in a TimeTable.	
	TimeTableDayList/TimeTableDay/ DayId	M	Local Time Table Identifier	LocalId
	TimeTableDayList/TimeTableDay/ DayTitle	M		xs:normalizedString
	TimeTableDayList/TimeTableDay/ TimeTablePeriodList	M	Title of Day eg. Monday or Day 1	List
	TimeTableDayList/TimeTableDay/ TimeTablePeriodList/TimeTablePeriod	MR	Container for TimeTablePeriods in a Time Table Day	
	TimeTableDayList/TimeTableDay/ TimeTablePeriodList/TimeTablePeriod/ PeriodId	M	Period in Day Identifier	LocalId
	TimeTableDayList/TimeTableDay/ TimeTablePeriodList/TimeTablePeriod/ PeriodTitle	M	Title of Period eg. Session 1 or Period 1	xs:normalizedString
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.48-1: TimeTable

```
<TimeTable RefId="64A309DA063A2E35B359D75101A8C3D0">
  <SchoolInfoRefId>F2256EE2B67F47D6AB4794D4DEE0D0AD</SchoolInfoRefId>
  <SchoolYear>2008</SchoolYear>
  <LocalId>2008S1</LocalId>
  <Title>2008 Semester 1</Title>
  <DaysPerCycle>5</DaysPerCycle>
  <PeriodsPerDay>6</PeriodsPerDay>
  <TeachingPeriodsPerDay>5</TeachingPeriodsPerDay>
  <SchoolLocalId>01011234</SchoolLocalId>
  <SchoolName>Newest Secondary College</SchoolName>
  <TimeTableCreationDate>2008-02-01</TimeTableCreationDate>
  <StartDate>2008-01-30</StartDate>
  <EndDate>2008-06-20</EndDate>
  <TimeTableDayList>
    <TimeTableDay>
      <DayId>1</DayId>
      <DayTitle>Monday</DayTitle>
      <TimeTablePeriodList>
        <TimeTablePeriod>
          <PeriodId>1</PeriodId>
```

```
          <PeriodTitle>P1</PeriodTitle>
        </TimeTablePeriod>
        <TimeTablePeriod>
          <PeriodId>2</PeriodId>
          <PeriodTitle>P2</PeriodTitle>
        </TimeTablePeriod>
        <TimeTablePeriod>
          <PeriodId>3</PeriodId>
          <PeriodTitle>P3</PeriodTitle>
        </TimeTablePeriod>
        <TimeTablePeriod>
          <PeriodId>4</PeriodId>
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        </TimeTablePeriod>
        <TimeTablePeriod>
          <PeriodId>5</PeriodId>
          <PeriodTitle>P5</PeriodTitle>
        </TimeTablePeriod>
        <TimeTablePeriod>
          <PeriodId>6</PeriodId>
          <PeriodTitle>P6</PeriodTitle>
        </TimeTablePeriod>
      </TimeTablePeriodList>
    </TimeTableDay>
    <TimeTableDay>
      <DayId>2</DayId>
      <DayTitle>Tuesday</DayTitle>
      <TimeTablePeriodList>
        <TimeTablePeriod>
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          <PeriodTitle>P1</PeriodTitle>
        </TimeTablePeriod>
        <TimeTablePeriod>
          <PeriodId>2</PeriodId>
          <PeriodTitle>P2</PeriodTitle>
        </TimeTablePeriod>
        <TimeTablePeriod>
          <PeriodId>3</PeriodId>
          <PeriodTitle>P3</PeriodTitle>
        </TimeTablePeriod>
        <TimeTablePeriod>
          <PeriodId>4</PeriodId>
          <PeriodTitle>P4</PeriodTitle>
        </TimeTablePeriod>
        <TimeTablePeriod>
          <PeriodId>5</PeriodId>
          <PeriodTitle>P5</PeriodTitle>
        </TimeTablePeriod>
        <TimeTablePeriod>
          <PeriodId>6</PeriodId>
          <PeriodTitle>P6</PeriodTitle>
        </TimeTablePeriod>
      </TimeTablePeriodList>
    </TimeTableDay>
  </TimeTableDayList>
</TimeTable>
```

Example 3.3.48-1: TimeTable

3.3.49 TimeTableCell

The purpose of this object is to identify a specific cell within a particular TimeTable. A time table is a structure that represents all the available days and times (periods) for which a particular teaching group, or subject can be scheduled.

A TimeTableCell is uniquely identified in the ZIF zone by its' GUID.

And the following must be provided at object creation:

- the timetable it belongs to,
- the subject that is being scheduled,
- the teaching group (representing the students, teachers and subject),
- the room that is allocated,
- the allocated teacher.

All local ids in non-authoritative objects are optional. It is therefore up to the provider and the actual agent's design and choreography to determine whether or not to use or local ids from parent objects. There are cases in some subscribing systems where it might not possible to add RefId columns and therefore the RefId of related objects cannot be stored. For example a target system that listens to TimeTableSubject events and updates them may not be able to store the associated SchoolCourseInfoRefId with that object. The only way it can link the TimeTableSubject object with the appropriate course might be through its local course id. Having local ids that link the parent objects with the child object can simplify the agent design. Generally it is suggested to use the appropriate RefIds whenever possible and only use local ids if there is no other way to use RefIds.

SIF_Events are reported for this object.

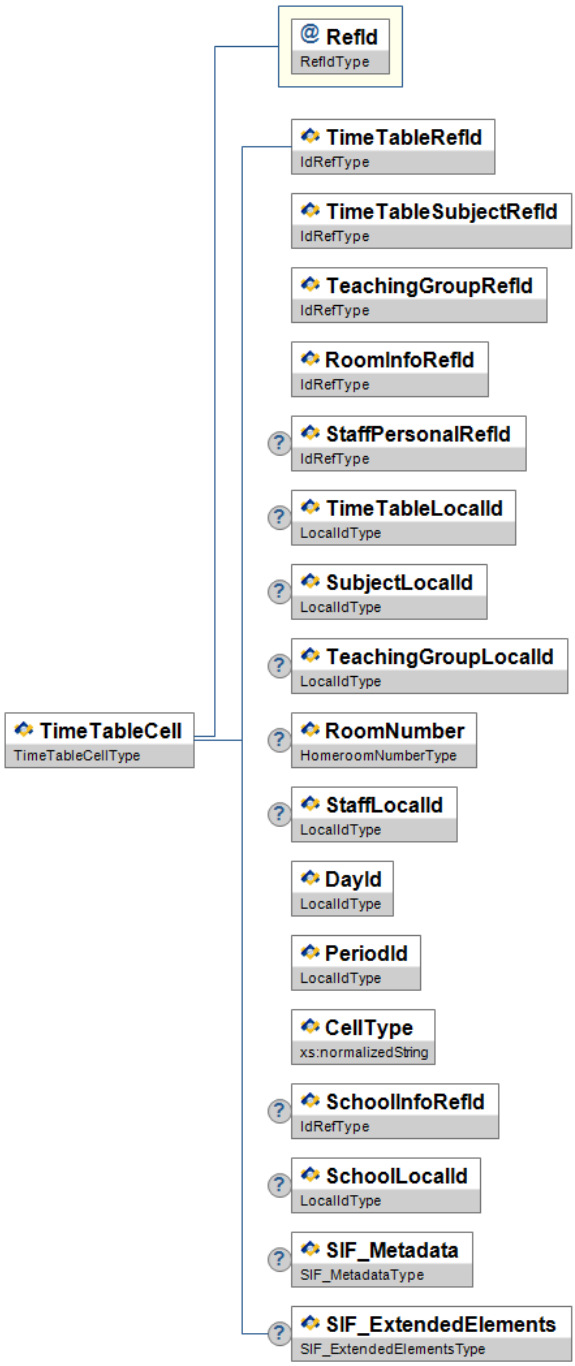

Figure 3.3.49-1: TimeTableCell

	Element/@Attribute	Char	Description	Type
	TimeTableCell		The purpose of this object is to identify a specific cell within a particular TimeTable. A time table is a structure that represents all the available days and times (periods) for which a particular teaching group, or subject can be scheduled. A TimeTableCell is uniquely identified in the ZIF zone by its' GUID. And the following must be provided at object creation: • the timetable it belongs to, • the subject that is being scheduled, • the teaching group (representing the students, teachers and subject), • the room that is allocated, • the allocated teacher. All local ids in non-authoritative objects are optional. It is therefore up to the provider and the actual agent's design and choreography to determine whether or not to use or local ids from parent objects. There are cases in some subscribing systems where it might not possible to add RefId columns and therefore the RefId of related objects cannot be stored. For example a target system that listens to TimeTableSubject events and updates them may not be able to store the associated SchoolCourseInfoRefId with that object. The only way it can link the TimeTableSubject object with the appropriate course might be through its local course id. Having local ids that link the parent objects with the child object can simplify the agent design. Generally it is suggested to use the appropriate RefIds whenever possible and only use local ids if there is no other way to use RefIds.	

@	RefId	M	The GUID of the TimeTableCell	RefIdType
	TimeTableRefId	M	The GUID of the TimeTable to which this Cell belongs	IdRefType
	TimeTableSubjectRefId	M	The GUID of the Subject that this Cell is scheduling	IdRefType
	TeachingGroupRefId	M	The GUID of the TeachingGroup being scheduled	IdRefType
	RoomInfoRefId	M	The GUID of the Resource being Scheduled	IdRefType
	StaffPersonalRefId	O	The GUID of the Staff Member being Scheduled	IdRefType
	TimeTableLocalId	O	Time Table Local Identifier	LocalId
	SubjectLocalId	O	Subject Local Id	LocalId
	TeachingGroupLocalId	O	Teaching Group	LocalId
	RoomNumber	O	Room number as presented to the user/application.	HomeroomNumber
	StaffLocalId	O	Staff LocalId	LocalId
	DayId	M	Day Id	LocalId
	PeriodId	M	Period Id within the Day Id	LocalId
	CellType	M	Type of Lesson/Session eg Teaching, Lunch etc	xs:normalizedString
	SchoolInfoRefId	O	Optional the GUID of the SchoolInfo Object if this object is known in the zone	IdRefType
	SchoolLocalId	O	Optional Local School Id	LocalId
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.49-1: TimeTableCell

```
<TimeTableCell RefId="64A309DA063A2E35B359D75101A8C3D1">
  <TimeTableRefId>64A309DA063A2E35B359D75101A8C3D0</TimeTableRefId>
  <TimeTableSubjectRefId>22860091719245B4AB0CF5B9DC19DE5C</TimeTableSubjectRefId>
  <TeachingGroupRefId>64A309DA063A2E35B359D75101A8C3D1</TeachingGroupRefId>
  <RoomInfoRefId>D3E34B359D75101A8C3D00AA001A1652</RoomInfoRefId>
  <StaffPersonalRefId>D3E34F419D75101A8C3D00AA001A1652</StaffPersonalRefId>
  <TimeTableLocalId>2008S1</TimeTableLocalId>
  <SubjectLocalId>07AR</SubjectLocalId>
  <TeachingGroupLocalId>20087ASPN 2008S1</TeachingGroupLocalId>
  <RoomNumber>101</RoomNumber>
  <StaffLocalId>946379881</StaffLocalId>
  <DayId>1</DayId>
  <PeriodId>1</PeriodId>
  <CellType>T</CellType>
  <SchoolInfoRefId>D3E34B359D75101A8C3D00AA001A1652</SchoolInfoRefId>
  <SchoolLocalId>01011234</SchoolLocalId>
</TimeTableCell>
```

Example 3.3.49-1: TimeTableCell

3.3.50 TimeTableSubject

This purpose of this object is to define and communicate the subject or distinct piece of curriculum that needs to be scheduled by the time table generator. This is a new object proposed to meet SIF-AU needs. Reviews of the existing specifications identified two relevant objects – SchoolCourseInfo, defined in SIF US 2.2 specification and SchoolGroup, defined within the SIF UK 1.1 specification. These objects appear to have some similar context but seem overly complex considering that Australian requirements, which are limited to the Student Administration System or Curriculum Delivery System providing base information to the Time Tabling application about what curriculum offerings are being proposed. When this data is sent in a Request/Response only those subjects that are relevant to be scheduled (or active), should be sent to the TimeTabling application.

All local ids in non-authoritative objects are optional. It is therefore up to the provider and the actual agent's design and choreography to determine whether or not to use or local ids from parent objects. There are cases in some subscribing systems where it might not possible to add RefId columns and therefore the RefId of related objects cannot be stored. For example a target system that listens to TimeTableSubject events and updates them may not be able to store the associated SchoolCourseInfoRefId with that object. The only way it can link the TimeTableSubject object with the appropriate course might be through its local course id. Having local ids that link the parent objects with the child object can simplify the agent design. Generally it is suggested to use the appropriate RefIds whenever possible and only use local ids if there is no other way to

use RefIds.

SIF_Events are reported for this object.

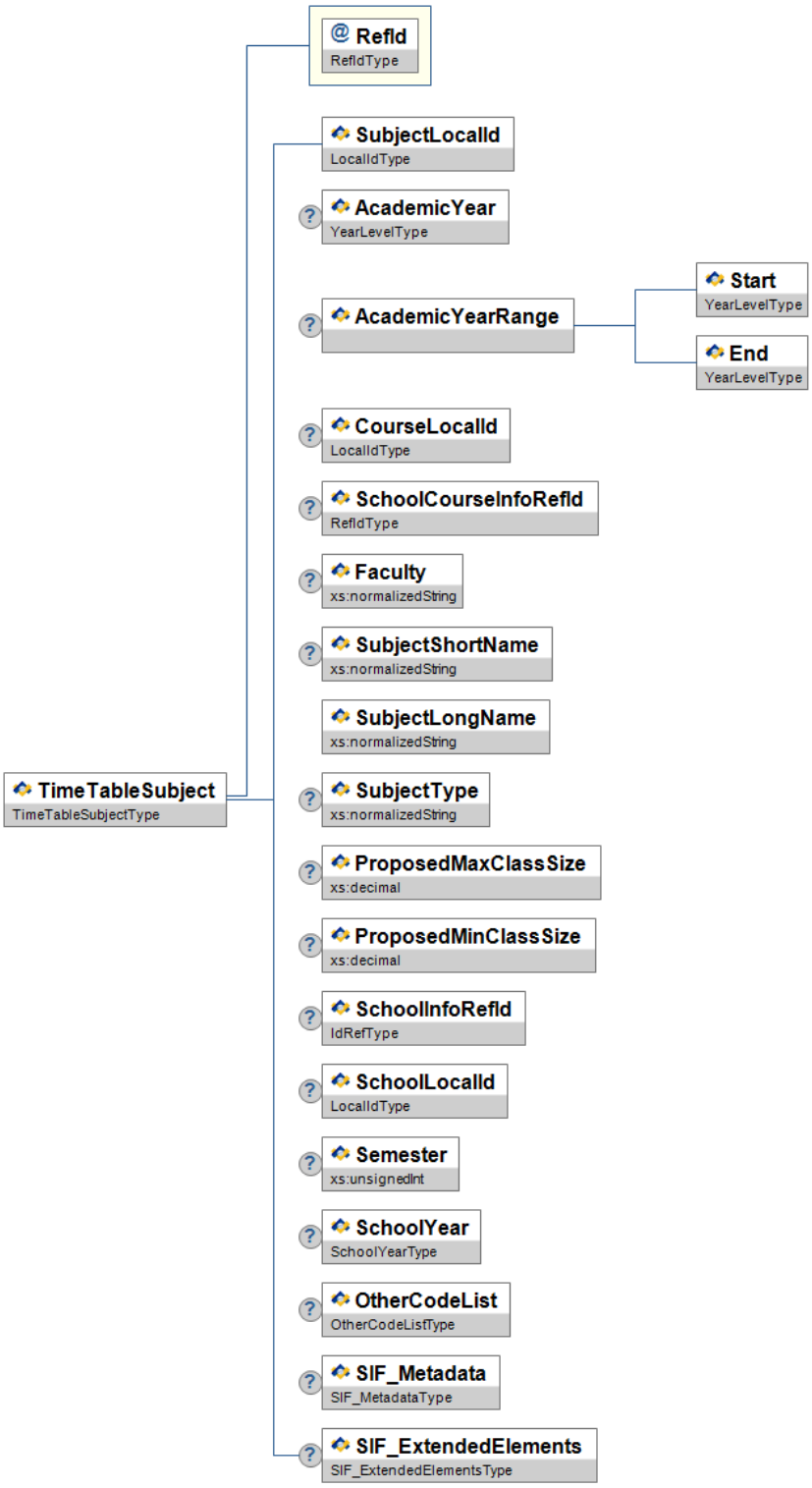

Figure 3.3.50-1: TimeTableSubject

	Element/@Attribute	Char	Description	Type
	TimeTableSubject		This purpose of this object is to define and communicate the subject or distinct piece of curriculum that needs to be scheduled by the time table generator. This is a new object proposed to meet SIF-AU needs. Reviews of the existing specifications identified two relevant objects – SchoolCourseInfo, defined in SIF US 2.2 specification and SchoolGroup, defined within the SIF UK 1.1 specification. These objects appear to have some similar context but seem overly complex considering that Australian requirements, which are limited to the Student Administration System or Curriculum Delivery System providing base information to the Time Tabling application about what curriculum offerings are being proposed. When this data is sent in a Request/Response only those subjects that are relevant to be scheduled (or active), should be sent to the TimeTabling application. All local ids in non-authoritative objects are optional. It is therefore up to the provider and the actual agent's design and choreography to determine whether or not to use or local ids from parent objects. There are cases in some subscribing systems where it might not possible to add RefId columns and therefore the RefId of related objects cannot be stored. For example a target system that listens to TimeTableSubject events and updates them	

			may not be able to store the associated SchoolCourseInfoRefId with that object. The only way it can link the TimeTableSubject object with the appropriate course might be through its local course id. Having local ids that link the parent objects with the child object can simplify the agent design. Generally it is suggested to use the appropriate RefIds whenever possible and only use local ids if there is no other way to use RefIds.	
@	RefId	M	GUID that identifies this TimeTableSubject.	RefIdType
	SubjectLocalId	M	SubjectLocalID - Distinct piece of curriculum that is to be scheduled.	LocalId
	AcademicYear	C	Subject Year Level. Either AcademicYear or AcademicYearRange must be provided.	YearLevel
	AcademicYearRange	C	Range of Academic Years subject spans. Either AcademicYear or AcademicYearRange must be provided.	
	AcademicYearRange/Start	M	Lowest year in range.	YearLevel
	AcademicYearRange/End	M	Highest year in range	YearLevel
	CourseLocalId	O	Local Course Id, if associated with a Course.	LocalId
	SchoolCourseInfoRefId	O	The GUID of the SchoolCourseInfo object.	RefIdType
	Faculty	O	Faculty	xs:normalizedString
	SubjectShortName	O	SubjectShortName	xs:normalizedString
	SubjectLongName	M	SubjectLongName	xs:normalizedString
	SubjectType	O	Core or Elective or ?	xs:normalizedString
	ProposedMaxClassSize	O	Suggested maximum class size for this subject.	xs:decimal
	ProposedMinClassSize	O	Suggested minimum class size for this subject.	xs:decimal
	SchoolInfoRefId	O	Optional the GUID of the SchoolInfo Object if this object is known in the zone.	IdRefType
	SchoolLocalId	O	Optional Local School Id	LocalId
	Semester	O	Semester, Term, or Quarter subject offered.	xs:unsignedInt
	SchoolYear	O	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2007").	SchoolYear
	OtherCodeList	O	Any other codes this subject is known by; eg VASS code for VCE in Vic.	OtherCodeList
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.50-1: TimeTableSubject

```
<TimeTableSubject RefId="D3E34B359D75101A8C3D00AA001A1652">
  <SubjectLocalId>07AR</SubjectLocalId>
  <AcademicYear>
    <Code>7</Code>
  </AcademicYear>
  <SubjectShortName>7 ART</SubjectShortName>
  <SubjectLongName>Year 7 Art</SubjectLongName>
  <SubjectType>E</SubjectType>
  <SchoolYear>2009</SchoolYear>
</TimeTableSubject>
```

Example 3.3.50-1: TimeTableSubject

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`.

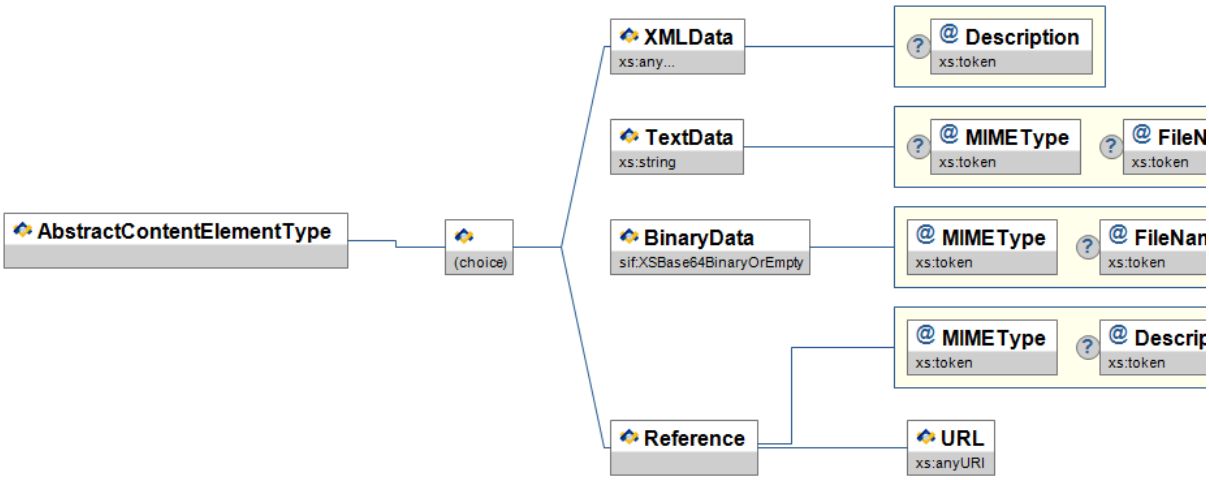

Figure A.1-1: AbstractContentElementType

	Element/@Attribute	Char	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.	`<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`
	TextData	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`
	BinaryData	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`
	Reference	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`
	Reference/URL	M	Location of external content.	`xs:anyURI`

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.

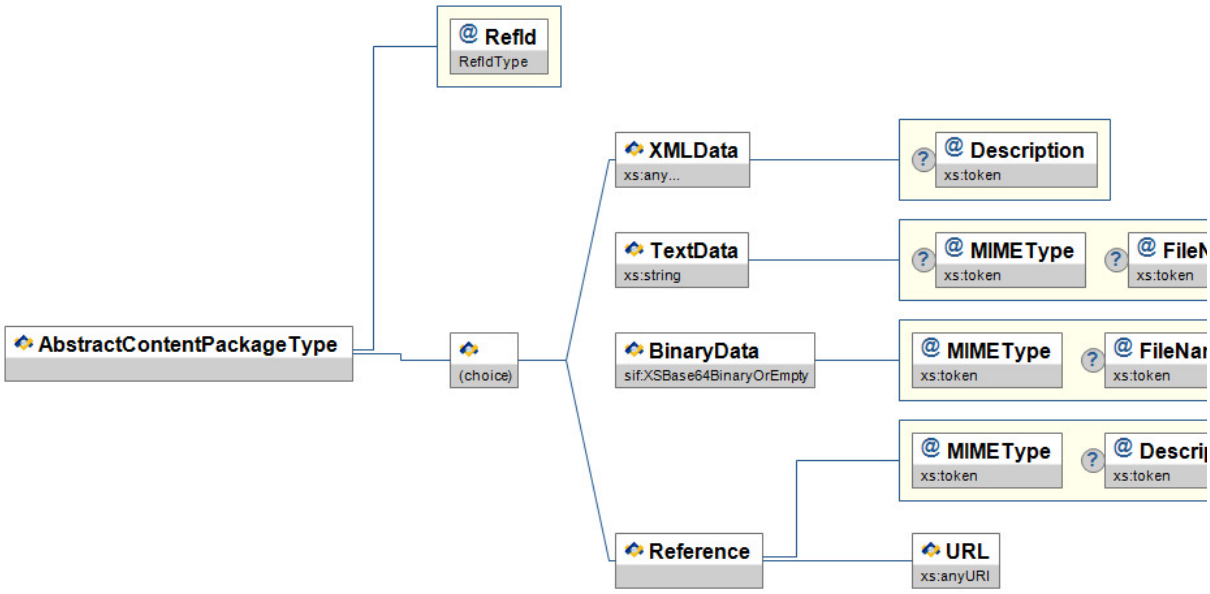

Figure A.2-1: AbstractContentPackageType

	Element/@Attribute	Char	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.	
@ 🔑	RefId	M	The GUID that uniquely identifies an instance of the package.	`RefIdType`
	XMLData	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`
	TextData	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`
	BinaryData	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
	Reference	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
	Reference/URL	M	Location of external content.	xs:anyURI

Table A.2-1: AbstractContentPackageType

A.3 BaseNameType

Base type, without attributes, for Name elements, primarily to allow structure to be leveraged with different Type attribute values.

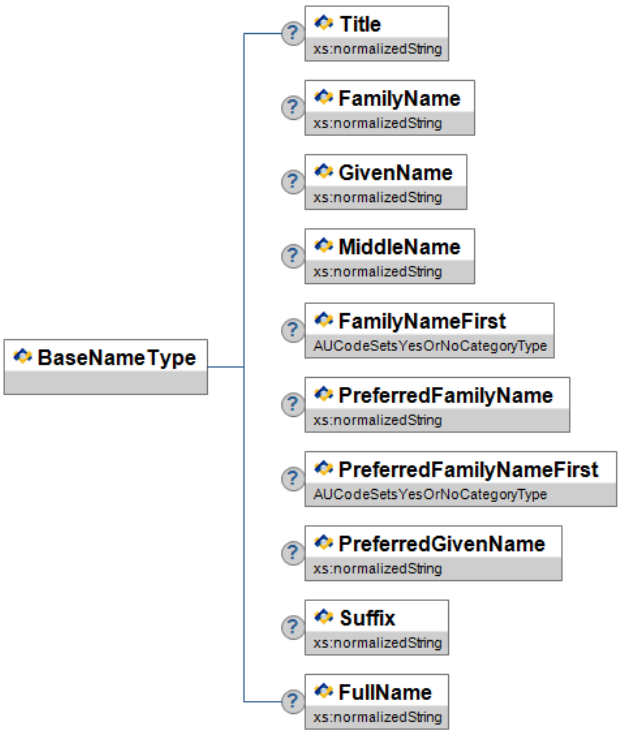

Figure A.3-1: BaseNameType

	Element/@Attribute	Char	Description	Type
	BaseNameType		Base type, without attributes, for Name elements, primarily to allow structure to be leveraged with different Type attribute values.	
	Title	O	A title or prefix associated with the name. If any of: Mr, Mrs, Ms, Miss, Rev, Fr, Dr, Prof, Hon, Sir, Lord, Lady - these must be as shown, otherwise free text. Note that title is not applicable to learners.	xs:normalizedString
	FamilyName	C	Family name. That part of the person's name which is used to describe family, clan, tribal group, or marital association. Note that this element is required when known. However, it may not be possible to know the family name in which case you should add the available information to the FullName element.	xs:normalizedString
	GivenName			xs:normalizedString

		C	Given name of the person. Note that this element is required if known. However, it may not be possible to know the given name in which case you should add the available information to the FullName element.	
	MiddleName	O	All other given or middle names, each separated with a single space character.	xs:normalizedString
	FamilyNameFirst	O	An indicator used to identify the naming conventions used by some predominantly non-European, ethnic or language groups and related to the display nature of a name.	AUCodeSetsYesOrNoCategoryType
	PreferredFamilyName	O	The family name preferred most by the person (as written).	xs:normalizedString
	PreferredFamilyNameFirst	O	An indicator used to identify the naming conventions used by some predominantly non-European, ethnic or language groups and related to the display nature of a name.	AUCodeSetsYesOrNoCategoryType
	PreferredGivenName	O	The given name preferred most by the person (as written).	xs:normalizedString
	Suffix	O	Textual suffix like PHD, JP, BSc.	xs:normalizedString
	FullName	C	A free text field for the complete name for display purposes. If this is associated with a StudentPersonal,StaffPersonal or StudentContactPersonal record and the FamilyName and GivenName are not both specified, then this becomes mandatory.	xs:normalizedString

Table A.3-1: BaseNameType

```
<Name Type="LGL">
  <FamilyName>Wesson</FamilyName>
  <GivenName>Melanie</GivenName>
  <MiddleName>Joan</MiddleName>
  <FamilyNameFirst>N</FamilyNameFirst>
  <PreferredFamilyName>Wesson</PreferredFamilyName>
  <PreferredFamilyNameFirst>N</PreferredFamilyNameFirst>
  <PreferredGivenName>Mel</PreferredGivenName>
</Name>
```

Example A.3-1: BaseNameType

A.4 DefinedProtocolsType

The transport protocols defined in SIF.

Figure A.4-1: DefinedProtocolsType

	Element/@Attribute	Char	Description	Type
	DefinedProtocolsType		The transport protocols defined in SIF.	**values:** HTTPS HTTP

Table A.4-1: DefinedProtocolsType

A.5 ExtendedContentType

Allows for any mixed XML in an element.

Figure A.5-1: ExtendedContentType

	Element/@Attribute	Char	Description	Type

	ExtendedContentType		Allows for any mixed XML in an element.	`<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.5-1: ExtendedContentType

A.6 GUIDType

SIF format for a GUID.

Figure A.6-1: GUIDType

	Element/@Attribute	Char	Description	Type
	GUIDType		SIF format for a GUID.	`xs:token` `xs:pattern` `[0-9A-F]{32}`

Table A.6-1: GUIDType

A.7 IdRefType

A reference to a RefId.

Figure A.7-1: IdRefType

	Element/@Attribute	Char	Description	Type
	IdRefType		A reference to a RefId.	`RefIdType`

Table A.7-1: IdRefType

A.8 MonetaryAmountType

A monetary amount.

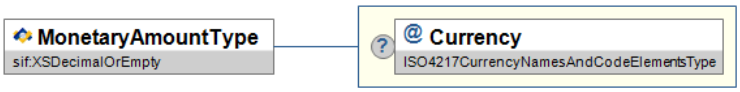

Figure A.8-1: MonetaryAmountType

	Element/@Attribute	Char	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.	`ISO4217CurrencyNamesAndCodeElementsType`

Table A.8-1: MonetaryAmountType

A.9 MsgIdType

A message identifier.

Figure A.9-1: MsgIdType

	Element/@Attribute	Char	Description	Type
	MsgIdType		A message identifier.	`GUIDType`

Table A.9-1: MsgIdType

A.10 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`.

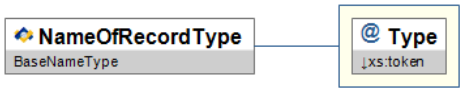

Figure A.10-1: NameOfRecordType

	Element/@Attribute	Char	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`.	`BaseNameType`
@	Type	M	Code that specifies what type of name this is. Note that type “LGL” must be used here.	**values:**

				LGL Name of Record

Table A.10-1: NameOfRecordType

A.11 ObjectNameType

An unenumerated SIF object name.

Figure A.11-1: ObjectNameType

	Element/@Attribute	Char	Description	Type
	ObjectNameType		An unenumerated SIF object name.	xs:NCName xs:maxLength 64

Table A.11-1: ObjectNameType

A.12 ObjectType

A SIF XML object.

Figure A.12-1: ObjectType

	Element/@Attribute	Char	Description	Type

	ObjectType		A SIF XML object.	`<xs:sequence>`
				`  <xs:any processContents="lax" minOccurs="0" maxOccurs="unbounded" namespace="##any" />`
				`</xs:sequence>`

Table A.12-1: ObjectType

A.13 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.

Figure A.13-1: OtherNameType

	Element/@Attribute	Char	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.	BaseNameType
@	Type	M	Code that specifies what type of name this is. Note that type “LGL” is NOT to be used here.	AUCodeSetsNameUsageTypeType

Table A.13-1: OtherNameType

A.14 PartialDateType

A year, with an optional month/day, or an optional month by itself.

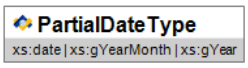

Figure A.14-1: PartialDateType

	Element/@Attribute	Char	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.14-1: PartialDateType

A.15 RefIdType

An object or element identifier.

Figure A.15-1: RefIdType

	Element/@Attribute	Char	Description	Type
	RefIdType		An object or element identifier.	GUIDType

Table A.15-1: RefIdType

A.16 ReportDataObjectType

A SIF XML object.

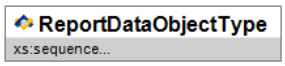

Figure A.16-1: ReportDataObjectType

	Element/@Attribute	Char	Description	Type

	ReportDataObjectType		A SIF XML object.	`<xs:sequence>`
				`  <xs:any processContents="lax" minOccurs="0" maxOccurs="unbounded" />`
				`</xs:sequence>`

Table A.16-1: ReportDataObjectType

A.17 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.17-1: ReportPackageType

	Element/@Attribute	Char	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.	AbstractContentPackageType

Table A.17-1: ReportPackageType

A.18 SelectedContentType

Allows an XML fragment selected from an object to be used in an element with XML validation skipped.

Figure A.18-1: SelectedContentType

	Element/@Attribute	Char	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.18-1: SelectedContentType

A.19 ServiceNameType

An unenumerated SIF object name.

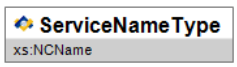

Figure A.19-1: ServiceNameType

Element/@Attribute	Char	Description	Type
ServiceNameType		An unenumerated SIF object name.	xs:NCName

Table A.19-1: ServiceNameType

A.20 URIOrBinaryType

Allows for a URL or a Base-64 encoding.

Figure A.20-1: URIOrBinaryType

Element/@Attribute	Char	Description	Type
URIOrBinaryType		Allows for a URL or a Base-64 encoding.	**union of:** xs:anyURI xs:base64Binary

Table A.20-1: URIOrBinaryType

A.21 VersionType

A SIF version number.

Figure A.21-1: VersionType

Element/@Attribute	Char	Description	Type
VersionType		A SIF version number.	xs:token xs:pattern: [0-9]+[.][0-9]+(r[0-9]+)? xs:maxLength: 12

Table A.21-1: VersionType

A.22 VersionWithWildcardsType

A SIF version number, with wildcards for matching multiple versions.

Figure A.22-1: VersionWithWildcardsType

Element/@Attribute	Char	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.22-1: VersionWithWildcardsType

Appendix B: Code Sets

Select shared and named code sets defined in SIF are included here for reference.

AU Code Sets

0211 Program Availability

0231	During school
0234	Weekend
0235	Before school
0236	After school
0237	Summer Holidays
0238	In-school service day
0239	Evenings
9998	Other School Holidays
9999	Other

0792 Identification Procedure

2147	Education assessment
2148	Health assessment/screening
2149	Parent/guardian referral
2151	Self-report/survey
2152	Special education assessment/evaluation
2153	Teacher referral
9999	Other

ACStrand

Australian education vocabularies

This vocabulary describes a curriculum framework organised into structural units.

Source: http://vocabulary.esa.edu.au/framework/

A	The arts
B	Business and economics
C	Civics and citizenship
D	Design
E	English
G	Geography
H	History
I	Information and communication technologies
L	Languages
M	Mathematics
P	Health and physical education
S	Science

Activity Involvement Code

1010	Exercise, n.f.d.
1011	Exercise biking
1012	Fitness centre activities
1013	Gymnasium workouts
1014	Aerobics/exercising (other)
1015	Circuits
1020	Air sports, n.f.d.
1021	Aerobatics
1022	Ballooning
1023	Gliding
1024	Gyroplane flying
1025	Hang gliding
1026	Ultralight flying
1027	Air sport (other)
1031	Aquarobics
1041	Archery
1051	Athletics, track & field
1061	Australian rules football
1071	

	Badminton
1081	Baseball
1091	Basketball (indoor & outdoor)
1101	Beach volleyball
1110	Cue Sports, n.f.d.
1111	Billiards
1112	Pool
1113	Snooker
1121	Bocce
1122	Boules
1123	Petanque
1131	Boxing
1141	Bush walking
1151	Canoeing
1152	Kayaking
1161	Carpet bowls
1171	Cricket (Indoor)
1181	Cricket (Outdoor)
1191	Croquet
1201	Cross country running
1210	Bike sports, n.f.d.
1211	Bike riding
1212	Cycling
1213	BMXing
1214	Mountain biking
1220	Dance Sports, n.f.d.
1221	Boot scooting
1222	Classical Ballet
1223	Jazz Ballet
1224	Ballroom Dancing
1225	Dance team
1229	Dancing (other)
1231	Darts
1241	Dog racing
1250	Dog competitions, n.f.d.
1251	Dog shows
1252	Sheepdog trials
1261	Fencing
1271	Angling
1272	Fishing
1280	Throwing, n.f.d.
1281	Ultimate frisbee
1282	Boomerang throwing
1291	Gaelic football
1301	Golf
1311	Gridiron (USA football)
1321	Gymnastics
1322	Circus acrobatics
1323	Callisthenics
1324	Trampolining
1331	Handball
1341	Harness racing/Trotting
1351	Hockey (Indoor)
1352	Hockey (Outdoor)
1362	Horse racing
1371	Horse riding/Equestrian activities
1372	Polo
1373	Polo cross
1374	Show jumping
1380	Ice/Snow Sports, n.f.d.
1381	Ice hockey
1383	Ice/Snow sport (other)
1384	Snow skiing
1385	Snow boarding
1391	Korfball
1392	Ice skating
1401	Lacrosse
1402	Softcrosse
1411	Lawn bowls

1421	Marching
1430	Martial arts, n.f.d.
1431	Chi Kung
1432	Judo/Jujitsu
1433	Karate
1434	Kickboxing
1435	Taekwondo
1436	Tai Chi
1439	Martial arts (other)
1441	Minigolf
1442	Putt-putt golf
1450	Motor sports, n.f.d.
1451	Go-Karting (motor sports)
1452	Track motor sport
1459	Motor sport (other)
1461	Netball (Indoor and outdoor)
1471	Orienteering
1472	Rogaining
1481	Pilates
1490	Outdoor rock activities, n.f.d.
1491	Abseiling
1492	Caving
1493	Rock climbing
1501	Rodeos
1510	Roller sports, n.f.d.
1511	Roller-blading
1512	Skateboarding
1513	Inline hockey
1514	Roller sport (other)
1521	Rowing
1531	Royal Tennis
1541	Rugby league (football)
1551	Rugby union (football)
1561	Jogging
1562	Running
1571	Sailing
1581	Scuba diving
1590	Shooting sports, n.f.d.
1591	Hunting
1592	Paintball shooting
1593	Pistol shooting
1594	Shooting sport (other)
1595	Target shooting
1601	Soccer (Indoor)
1612	Soccer (Outdoor)
1621	Softball
1622	Tee ball (T ball)
1631	Squash
1632	Racquet ball
1641	Surf Lifesaving/Royal Lifesaving
1651	Surfing
1652	Surf sport (other)
1660	Indoor water sports, n.f.d.
1661	Diving (board)
1662	Swimming
1663	Synchronized Swimming
1671	Table tennis
1681	Tennis (Indoor and outdoor)
1691	Tenpin bowling
1701	Touch football
1711	Trail biking (motor sports)
1712	Dirt bike riding (motor sports)
1721	Triathlons
1731	Volleyball (Indoor and outdoor)
1741	Walking for exercise
1751	Water polo
1760	Motorised water sports, n.f.d.
1761	Jet skiing
1762	Powerboating

1763	Water-skiing
1770	Non-motorised outdoor water sports, n.f.d.
1771	Canoe polo
1772	Water volleyball
1773	Underwater hockey
1774	White water rafting
1781	Competition weight-lifting
1791	Bodybuilding
1792	Weight training (for fitness - other)
1800	Board sports, n.f.d.
1801	Wind surfing
1802	Sailboarding
1811	Wood chopping
1821	Wrestling
1831	Yoga
1840	Other sporting activities, n.f.d.
1841	Pigeon racing
1842	Playing
1843	Multidisciplinary events
1844	Radio controlled model car/boat/plane racing
1845	Cheerleading
1849	Other sporting activities
2010	Leadership Actvities
2011	Team captain
2012	Student representative council president
2013	Class captain
2014	Class officer
2015	Student representative council officer
2016	School captain
2017	Duke of Edinburugh Award
2019	Other student leadership
3010	Youth Development, n.f.d.
3011	Army Cadets
3012	Airforce Cadets
3013	Other Cadets
3014	Boy Scouts
3015	Girl Scouts
3019	Other youth development group
4011	Music - vocal
4012	Choir
4019	Other vocal ensemble
4021	Music - instrumental
4022	Concert Band
4023	Orchestra
4024	Jazz ensemble
4025	Chamber ensemble
4029	Other instrumental ensemble
4031	Music - theory and composition
4039	Other Music
4041	Theatre/drama
4042	Eisteddfod
4043	Annual music production
4044	Other performing arts
5010	Arts activites, n.f.d.
5011	Art and graphic design
5012	Painting
5013	Embroidery
5019	Other arts activity
5020	Communications, nf.d.
5021	Journalism
5022	Broadcasting
5023	School Year book
5024	Literary publications
5025	Speech/debate
5029	Other communications
6011	Book Club
6012	Drama club
6013	Language club
6014	Art club

6019	Other Cultural club
6021	Technology Students
6022	Computer club
6023	Science Club
6029	Other Technology Club
6031	Health Occupations Students
6032	Chess club
6039	Other club or organization
7011	Peer counseling
7012	Tutoring
7013	Formal/Social/Debutante Ball
7019	Other general activity

Activity Type

0750	Co-curricular activity
0751	Extra-curricular Activity
9999	Other

Address Role

012A	Term Address
012B	Home Address
012C	Home Stay Address
013A	Overseas Address
1073	Other home address
1074	Employer's address
1075	Employment address
2382	Other organisation address
9999	Other Address

Address Type

0123	Mailing address
0123A	Alternate Mailing address
0124	Shipping address
0124A	Alternate Shipping address
0765	Physical location address
0765A	Alternate Physical location address
9999	Other
9999A	Alternate Other address

Assessment Reporting Method

0144	Letter grade/mark
0490	Age score
0492	Tertiary admission examination score
0493	Year equivalent or year-level indicator
0497	Normal curve equivalent
0498	Normalized standard score
0499	Number score
0500	Pass-fail
0502	Percentile rank
0503	Proficiency level
0504	Ranking
0506	Standard age score
0512	Achievement/proficiency level
0513	Mastery level
3473	Graduation score
3474	Growth/value-added/indexing
3475	International Baccalaureate score
3476	Percentile
3478	Raw score
3479	Scale score
3480	Workplace readiness score
9999	Other

Assessment Type

0075	Achievement test
0076	Advanced placement test
0077	Alternate assessment/year-level standards
0079	Attitudinal test
0081	Cognitive and perceptual skills test
0082	Developmental observation
0083	Interest inventory
0084	Language proficiency test
0087	Manual dexterity test
0088	Mental ability (intelligence) test
0089	Performance assessment
0090	Personality test
0092	Portfolio assessment
0093	Psychological test
0094	Psychomotor test
0095	Reading readiness test
3461	Alternatve assessment/modified standards
3462	Alternate assessment/ELL
3463	Aptitude test
9999	Other

Attendance Code

0	Not Marked
100	Present
101	Absent - General
111	Late arrival at School
112	Early departure from School
113	Late arrival unexplained
114	Early departure unexplained
116	Late arrival to Class
117	Early leaver from Class
118	Late Class Unexplained
119	Early Class Unexplained
200	Medical
201	Illness
202	Accident
203	Counselling
204	Sick Bay
205	Medical Appointment
206	Hospitalised
207	Quarantine
208	Refusal
209	Dentist
210	Medical/Welfare
211	Bereavement
300	Truancy
400	Suspension
401	Suspension - External
500	Unexplained
600	Educational
601	Group Activity
602	Community Service
603	Duty Student
604	Excursion
605	Special Event
606	Camp
607	Other Educational Activity
608	Off-Site Learning Program (eg. TAFE)
609	Work Experience
610	School Production
611	Sports
612	Study Leave
700	Flags
701	Exit
702	Transferred
800	Parent Choice
801	Parental Arrangement
802	Exempt

803	Parental Acknowledgement
804	Extended Family Holidays
805	Religious/Cultural Observance
900	School Choice
901	Industrial Action
902	Facility Damage
903	Weather
904	Staff Meeting
999	Other

Attendance Status

01	Excused
02	Unexcused
99	Unknown
NA	Not Applicable

Australian Citizenship Status

1	Australian Citizen
2	New Zealand Citizen
3	Permanent Resident
4	Temporary Entry Permit
5	Other Overseas
8	Permanent Humanitarian Visa
X	Not Provided

Australian Standard Classification of Cultural and Ethnic Groups (ASCCEG)

1249.0 Australian Standard Classification of Cultural and Ethnic Groups, Second Edition, 2011

Source Data ABS: http://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/1249.02011

0000	Inadequately described
0001	Not stated
0901	Eurasian, so described
0902	Asian, so described
0903	African, so described
0904	European, so described
0905	Caucasian, so described
0906	Creole, so described
1000	Oceanian, n.f.d.
1100	Australian Peoples, n.f.d.
1101	Australian
1102	Australian Aboriginal
1103	Australian South Sea Islander
1104	Torres Strait Islander
1200	New Zealand Peoples, n.f.d.
1201	Maori
1202	New Zealander
1300	Melanesian and Papuan, n.f.d.
1301	New Caledonian
1302	Ni-Vanuatu
1303	Papua New Guinean
1304	Solomon Islander
1399	Melanesian and Papuan, n.e.c. (includes Bisorio, Bougainvillian, Huli)
1400	Micronesian, n.f.d.
1401	I-Kiribati
1402	Nauruan
1499	Micronesian, n.e.c. (includes Marianas Islander, Marshallese, Palauan)
1500	Polynesian, n.f.d.
1501	Cook Islander
1502	Fijian
1503	Niuean
1504	Samoan
1505	Tongan
1506	Hawaiian
1507	Tahitian
1508	Tokelauan
1511	Tuvaluan

1599	Polynesian, n.e.c. (includes French Polynesian, Pitcairn Islander, Wallisian)
2000	North-West European, n.f.d.
2100	British, n.f.d.
2101	English
2102	Scottish
2103	Welsh
2104	Channel Islander
2105	Manx
2199	British, n.e.c. (includes Falkland Islander)
2201	Irish
2300	Western European, n.f.d.
2301	Austrian
2303	Dutch
2304	Flemish
2305	French
2306	German
2307	Swiss
2311	Belgian
2312	Frisian
2313	Luxembourg
2399	Western European, n.e.c. (includes Alsatian, Breton, Walloon)
2400	Northern European, n.f.d.
2401	Danish
2402	Finnish
2403	Icelandic
2404	Norwegian
2405	Swedish
2499	Northern European, n.e.c. (includes Faeroese, Greenlandic, Saami)
3000	Southern and Eastern European, n.f.d.
3100	Southern European, n.f.d.
3101	Basque
3102	Catalan
3103	Italian
3104	Maltese
3105	Portuguese
3106	Spanish
3107	Gibraltarian
3199	Southern European, n.e.c. (includes Andorran, Galician, Ladin)
3200	South Eastern European, n.f.d.
3201	Albanian
3202	Bosnian
3203	Bulgarian
3204	Croatian
3205	Greek
3206	Macedonian
3207	Moldovan
3208	Montenegrin
3211	Romanian
3212	Roma/Gypsy
3213	Serbian
3214	Slovene
3215	Cypriot
3216	Vlach
3299	South Eastern European, n.e.c. (includes Aromani, Karakachani)
3300	Eastern European, n.f.d.
3301	Belarusan
3302	Czech
3303	Estonian
3304	Hungarian
3305	Latvian
3306	Lithuanian
3307	Polish
3308	Russian
3311	Slovak
3312	Ukrainian
3313	Sorb/Wend
3399	Eastern European, n.e.c. (includes Adygei, Khanty, Nenets)
4000	North African and Middle Eastern, n.f.d.
4100	Arab, n.f.d.

4101	Algerian
4102	Egyptian
4103	Iraqi
4104	Jordanian
4105	Kuwaiti
4106	Lebanese
4107	Libyan
4108	Moroccan
4111	Palestinian
4112	Saudi Arabian
4113	Syrian
4114	Tunisian
4115	Yemeni
4199	Arab, n.e.c. (includes Baggara, Bedouin, Omani)
4201	Jewish
4300	Peoples of the Sudan, nfd
4900	Other North African and Middle Eastern, n.f.d.
4901	Assyrian/Chaldean
4902	Berber
4903	Coptic
4904	Iranian
4905	Kurdish
4906	Sudanese
4907	Turkish
4999	Other North African and Middle Eastern, n.e.c. (includes Azande, Madi, Nubian)
5000	South-East Asian, n.f.d.
5100	Mainland South-East Asian, n.f.d.
5101	Anglo-Burmese
5102	Burmese
5103	Hmong
5104	Khmer
5105	Lao
5106	Thai
5107	Vietnamese
5108	Karen
5111	Mon
5199	Mainland South-East Asian, n.e.c. (includes Arakanese, Chin, Shan)
5200	Maritime South-East Asian, n.f.d.
5201	Filipino
5202	Indonesian
5203	Javanese
5204	Madurese
5205	Malay
5206	Sundanese
5207	Timorese
5208	Acehnese
5211	Balinese
5212	Bruneian
5213	Kadazan
5214	Singaporean
5215	Temoq
5299	Maritime South-East Asian, n.e.c. (includes Iban, Irian Jayan, Sumatran)
6000	North-East Asian, n.f.d.
6100	Chinese Asian, n.f.d.
6101	Chinese
6102	Taiwanese
6199	Chinese Asian, n.e.c. (includes Hui, Manchu, Yi)
6900	Other North-East Asian, n.f.d.
6901	Japanese
6902	Korean
6903	Mongolian
6904	Tibetan
6999	Other North-East Asian, n.e.c. (includes Ainu, Menba, Xiareba)
7000	Southern and Central Asian, n.f.d.
7100	Southern Asian, n.f.d.
7101	Anglo-Indian
7102	Bengali
7103	Burgher
7104	Gujarati

7106	Indian
7107	Malayali
7111	Nepalese
7112	Pakistani
7113	Punjabi
7114	Sikh
7115	Sinhalese
7116	Tamil
7117	Maldivian
7199	Southern Asian, n.e.c. (includes Gurkha, Kashmiri, Marathi)
7200	Central Asian, n.f.d.
7201	Afghan
7202	Armenian
7203	Georgian
7204	Kazakh
7205	Pathan
7206	Uzbek
7207	Azeri
7208	Hazara
7211	Tajik
7212	Tatar
7213	Turkmen
7214	Uighur
7299	Central Asian, n.e.c. (includes Chechen, Circassian, Ingush)
8000	People of the Americas, n.f.d.
8100	North American, n.f.d.
8101	African American
8102	American
8103	Canadian
8104	French Canadian
8105	Hispanic (North American)
8106	Native North American Indian
8107	Bermudan
8199	North American, n.e.c. (includes Aleut, Inuit, Metis)
8200	South American, n.f.d.
8201	Argentinian
8202	Bolivian
8203	Brazilian
8204	Chilean
8205	Colombian
8206	Ecuadorian
8207	Guyanese
8208	Peruvian
8211	Uruguayan
8212	Venezuelan
8213	Paraguayan
8299	South American, n.e.c. (includes Arawak, Carib, Surinamese)
8300	Central American, n.f.d.
8301	Mexican
8302	Nicaraguan
8303	Salvadoran
8304	Costa Rican
8305	Guatemalan
8306	Mayan
8399	Central American, n.e.c. (includes Belizean, Honduran, Panamanian)
8400	Caribbean Islander, n.f.d.
8401	Cuban
8402	Jamaican
8403	Trinidadian (Tobagonian)
8404	Barbadian
8405	Puerto Rican
8499	Caribbean Islander, n.e.c. (includes Bahamian, Grenadian, Haitian)
9000	Sub-Saharan African, n.f.d.
9100	Central and West African, n.f.d.
9101	Akan
9103	Ghanaian
9104	Nigerian
9105	Yoruba
9106	Ivorean

9107	Liberian
9108	Sierra Leonean
9199	Central and West African, n.e.c. (includes Fang, Fulani, Kongo)
9200	Southern and East African, n.f.d.
9201	Afrikaner
9202	Angolan
9203	Eritrean
9204	Ethiopian
9205	Kenyan
9206	Malawian
9207	Mauritian
9208	Mozambican
9212	Oromo
9213	Seychellois
9214	Somali
9215	South African
9216	Tanzanian
9217	Ugandan
9218	Zambian
9221	Zimbabwean
9222	Amhara
9223	Batswana
9224	Dinka
9225	Hutu
9226	Masai
9227	Nuer
9228	Tigrayan
9231	Tigre
9232	Zulu
9299	Southern and East African, n.e.c. (includes Afar, Namibian, Tutsi)

Australian Standard Classification of Languages (ASCL)

ABS 1267.0 - Australian Standard Classification of Languages (ASCL), 2005-06

0000	Inadequately Described
0	Not Stated
0001	Non Verbal, so described
0002	Not Stated
0003	Swiss, so described
0004	Cypriot, so described
0005	Creole, nfd
0006	French Creole, nfd
0007	Spanish Creole, nfd
0008	Portuguese Creole, nfd
0009	Pidgin, nfd
1000	Northern European Languages, nfd
1100	Celtic, nfd
1101	Gaelic (Scotland)
1102	Irish
1103	Welsh
1199	Celtic, nec
1201	English
1300	German and Related Languages, nfd
1301	German
1302	Letzeburgish
1303	Yiddish
1400	Dutch and Related Languages, nfd
1401	Dutch
1402	Frisian
1403	Afrikaans
1500	Scandinavian, nfd
1501	Danish
1502	Icelandic
1503	Norwegian
1504	Swedish
1599	Scandinavian, nec
1600	Finnish and Related Languages, nfd
1601	Estonian

1602	Finnish
1699	Finnish and Related Languages, nec
2000	Southern European Languages, nfd
2101	French
2201	Greek
2300	Iberian Romance, nfd
2301	Catalan
2302	Portuguese
2303	Spanish
2399	Iberian Romance, nec
2401	Italian
2501	Maltese
2900	Other Southern European Languages, nfd
2901	Basque
2902	Latin
2999	Other Southern European Languages, nec
3000	Eastern European Languages, nfd
3100	Baltic, nfd
3101	Latvian
3102	Lithuanian
3301	Hungarian
3400	East Slavic, nfd
3401	Belorussian
3402	Russian
3403	Ukrainian
3500	South Slavic, nfd
3501	Bosnian
3502	Bulgarian
3503	Croatian
3504	Macedonian
3505	Serbian
3506	Slovene
3507	Serbo-Croatian/Yugoslavian, so described
3600	West Slavic, nfd
3601	Czech
3602	Polish
3603	Slovak
3900	Other Eastern European Languages, nfd
3901	Albanian
3903	Aromunian (Macedo-Romanian)
3904	Romanian
3905	Romany
3999	Other Eastern European Languages, nec
4000	Southwest and Central Asian Languages, nfd
4100	Iranic, nfd
4101	Kurdish
4102	Pashto
4104	Balochi
4105	Dari
4106	Persian (excluding Dari)
4199	Iranic, nec
4200	Middle Eastern Semitic Languages, nfd
4202	Arabic
4203	Assyrian
4204	Hebrew
4299	Middle Eastern Semitic Languages, nec
4300	Turkic, nfd
4301	Turkish
4302	Azeri
4303	Tatar
4304	Turkmen
4305	Uygur
4306	Uzbek
4399	Turkic, nec
4900	Other Southwest and Central Asian Languages, nfd
4901	Armenian
4902	Georgian
4999	Other Southwest and Central Asian Languages, nec
5000	Southern Asian Languages, nfd

5100	Dravidian, nfd
5101	Kannada
5102	Malayalam
5103	Tamil
5104	Telugu
5105	Tulu
5199	Dravidian, nec
5200	Indo-Aryan, nfd
5201	Bengali
5202	Gujarati
5203	Hindi
5204	Konkani
5205	Marathi
5206	Nepali
5207	Punjabi
5208	Sindhi
5211	Sinhalese
5212	Urdu
5213	Assamese
5214	Dhivehi
5215	Kashmiri
5216	Oriya
5299	Indo-Aryan, nec
5999	Other Southern Asian Languages
6000	Southeast Asian Languages, nfd
6100	Burmese and Related Languages, nfd
6101	Burmese
6102	Haka
6103	Karen
6199	Burmese and Related Languages, nec
6200	Hmong-Mien, nfd
6201	Hmong
6299	Hmong-Mien, nec
6300	Mon-Khmer, nfd
6301	Khmer
6302	Vietnamese
6303	Mon
6399	Mon-Khmer, nec
6400	Tai, nfd
6401	Lao
6402	Thai
6499	Tai, nec
6500	Southeast Asian Austronesian Languages, nfd
6501	Bisaya
6502	Cebuano
6503	Ilokano
6504	Indonesian
6505	Malay
6507	Tetum
6508	Timorese
6511	Tagalog
6512	Filipino
6513	Acehnese
6514	Balinese
6515	Bikol
6516	Iban
6517	Ilonggo (Hiligaynon)
6518	Javanese
6521	Pampangan
6599	Southeast Asian Austronesian Languages, nec
6999	Other Southeast Asian Languages
7000	Eastern Asian Languages, nfd
7100	Chinese, nfd
7101	Cantonese
7102	Hakka
7103	Hokkien
7104	Mandarin
7105	Teochew
7106	Wu

7199	Chinese, nec
7201	Japanese
7301	Korean
7900	Other Eastern Asian Languages, nfd
7901	Tibetan
7902	Mongolian
7999	Other Eastern Asian Languages, nec
8000	Australian Indigenous Languages, nfd
8100	Arnhem Land and Daly River Region Languages, nfd
8101	Anindilyakwa
8102	Burarra
8108	Kunwinjku
8111	Maung
8113	Ngan'gikurunggurr
8114	Nunggubuyu
8115	Rembarrnga
8117	Tiwi
8121	Alawa
8122	Dalabon
8123	Gudanji
8124	Gundjeihmi
8125	Gun-nartpa
8126	Gurr-goni
8127	Iwaidja
8128	Jaminjung
8131	Jawoyn
8132	Jingulu
8133	Kunbarlang
8134	Kune
8135	Kuninjku
8136	Larrakiya
8137	Malak Malak
8138	Mangarrayi
8141	Maringarr
8142	Marra
8143	Marrithiyel
8144	Matngala
8145	Mayali
8146	Murrinh Patha
8147	Na-kara
8148	Ndjébbana (Gunavidji)
8151	Ngalakgan
8152	Ngaliwurru
8153	Nungali
8154	Wambaya
8155	Wardaman
8199	Arnhem Land and Daly River Region Languages, nec
8200	Yongu Matha, nfd
8210	Dhangu, nfd
8211	Galpu
8212	Golumala
8213	Wangurri
8219	Dhangu, nec
8220	Dhay'yi, nfd
8221	Dhalwangu
8222	Djarrwark
8229	Dhay'yi, nec
8230	Dhuwal, nfd
8231	Djambarrpuyngu
8232	Djapu
8233	Daatiwuy
8234	Marrangu
8235	Liyagalawumirr
8239	Dhuwal, nec
8240	Dhuwala, nfd
8241	Dhuwaya
8242	Gumatj
8243	Gupapuyngu
8244	Guyamirrilili

8245	Madarrpa
8246	Manggalili
8247	Wubulkarra
8249	Dhuwala, nec
8250	Djinang, nfd
8251	Wurlaki
8259	Djinang, nec
8260	Djinba, nfd
8261	Ganalbingu
8269	Djinba, nec
8270	Yakuy, nfd
8271	Ritharrngu
8279	Yakuy, nec
8281	Nhangu
8299	Other Yolngu Matha
8300	Cape York Peninsula Languages, nfd
8301	Kuku Yalanji
8302	Guugu Yimidhirr
8303	Kuuku-Ya'u
8304	Wik Mungkan
8305	Djabugay
8306	Dyirbal
8307	Girramay
8308	Koko-Bera
8311	Kuuk Thayorre
8312	Lamalama
8313	Yidiny
8314	Wik Ngathan
8399	Cape York Peninsula Languages, nec
8400	Torres Strait Island Languages, nfd
8401	Kalaw Kawaw Ya/Kalaw Lagaw Ya
8402	Meriam Mir
8403	Torres Strait Creole
8500	Northern Desert Fringe Area Languages, nfd
8504	Bilinarra
8505	Gurindji
8506	Gurindji Kriol
8507	Jaru
8508	Light Warlpiri
8511	Malngin
8512	Mudburra
8513	Ngandi
8514	Ngardi
8515	Ngarinyman
8516	Walmajarri
8517	Wanyjirra
8518	Warlmanpa
8521	Warlpiri
8522	Warumungu
8599	Northern Desert Fringe Area Languages, nec
8600	Arandic, nfd
8603	Alyawarr
8604	Anmatyerr
8605	Arrernte
8606	Kaytetye
8699	Arandic, nec
8700	Western Desert Language, nfd
8703	Antikarinya
8704	Kartujarra
8705	Kukatha
8706	Kukatja
8707	Luritja
8708	Manyjilyjarra
8711	Martu Wangka
8712	Ngaanyatjarra
8713	Pintupi
8714	Pitjantjatjara
8715	Wangkajunga
8716	Wangkatha

8717	Warnman
8718	Yankunytjatjara
8721	Yulparija
8799	Western Desert Language, nec
8800	Kimberley Area Languages, nfd
8801	Bardi
8802	Bunuba
8803	Gooniyandi
8804	Miriwoong
8805	Ngarinyin
8806	Nyikina
8807	Worla
8808	Worrorra
8811	Wunambal
8812	Yawuru
8899	Kimberley Area Languages, nec
8900	Other Australian Indigenous Languages, nfd
8901	Adnymathanha
8902	Arabana
8903	Bandjalang
8904	Banyjima
8905	Batjala
8906	Bidjara
8907	Dhanggatti
8908	Diyari
8911	Gamilaraay
8912	Garrwa
8913	Garuwali
8914	Githabul
8915	Gumbaynggir
8916	Kanai
8917	Karajarri
8918	Kariyarra
8921	Kaurna
8922	Kayardild
8923	Kija
8924	Kriol
8925	Lardil
8926	Mangala
8927	Muruwari
8928	Narungga
8931	Ngarluma
8932	Ngarrindjeri
8933	Nyamal
8934	Nyangumarta
8935	Nyungar
8936	Paakantyi
8937	Palyku/Nyiyaparli
8938	Wajarri
8941	Wiradjuri
8942	Yanyuwa
8943	Yindjibarndi
8944	Yinhawangka
8945	Yorta Yorta
8998	Aboriginal English, so described
8999	Other Australian Indigenous Languages, nec
9000	Other Languages, nfd
9101	American Languages
9200	African Languages, nfd
9201	Acholi
9203	Akan
9205	Mauritian Creole
9206	Oromo
9207	Shona
9208	Somali
9211	Swahili
9212	Yoruba
9213	Zulu
9214	Amharic

9215	Bemba
9216	Dinka
9217	Ewe
9218	Ga
9221	Harari
9222	Hausa
9223	Igbo
9224	Kikuyu
9225	Krio
9226	Luganda
9227	Luo
9228	Ndebele
9231	Nuer
9232	Nyanja (Chichewa)
9233	Shilluk
9234	Tigré
9235	Tigrinya
9236	Tswana
9237	Xhosa
9238	Seychelles Creole
9299	African Languages, nec
9300	Pacific Austronesian Languages, nfd
9301	Fijian
9302	Gilbertese
9303	Maori (Cook Island)
9304	Maori (New Zealand)
9305	Motu
9306	Nauruan
9307	Niue
9308	Samoan
9311	Tongan
9312	Rotuman
9313	Tokelauan
9314	Tuvaluan
9315	Yapese
9399	Pacific Austronesian Languages, nec
9400	Oceanian Pidgins and Creoles, nfd
9401	Tok Pisin
9402	Bislama
9403	Hawaiian English
9404	Pitcairnese
9405	Solomon Islands Pijin
9499	Oceanian Pidgins and Creoles, nec
9500	Papua New Guinea Papuan Languages, nfd
9502	Kiwai
9599	Papua New Guinea Papuan Languages, nec
9601	Invented Languages
9700	Sign Languages, nfd
9701	Auslan
9702	Makaton
9799	Sign Languages, nec

Australian Standard Classification of Religious Groups (ASCRG)

1266.0 Australian Standard Classification of Religious Groups, Second Edition, 2011

Source Data ABS: http://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/1266.02011

0001	Not Stated
0002	Religious Belief, nfd
0003	Not Defined
0004	New Age, so described
0005	Theism
1011	Buddhism
2000	Christian, nfd
2001	Apostolic Church, so described
2002	Church of God, so described
2003	Australian Christian Churches, so described
2004	New Church Alliance, so described
2010	Anglican, nfd

2012	Anglican Church of Australia
2013	Anglican Catholic Church
2031	Baptist
2051	Brethren
2071	Western Catholic
2072	Maronite Catholic
2073	Melkite Catholic
2074	Ukrainian Catholic
2075	Chaldean Catholic
2079	Catholic, nec
2110	Churches of Christ, nfd
2111	Churches of Christ (Conference)
2112	Church of Christ (Nondenominational)
2113	International Church of Christ
2131	Jehovah's Witnesses
2150	Church of Jesus Christ of Latter Day Saints, nfd
2151	Church of Jesus Christ of LDS (Mormons)
2152	Community of Christ
2171	Lutheran
2210	Oriental Orthodox, nfd
2212	Armenian Apostolic
2214	Coptic Orthodox Church
2215	Syrian Orthodox Church
2216	Ethiopian Orthodox Church
2219	Oriental Orthodox, nec
2220	Assyrian Apostolic, nfd
2221	Assyrian Church of the East
2222	Ancient Church of the East
2229	Assyrian Apostolic, nec
2230	Eastern Orthodox, nfd
2231	Albanian Orthodox
2232	Antiochian Orthodox
2233	Greek Orthodox
2234	Macedonian Orthodox
2235	Romanian Orthodox
2236	Russian Orthodox
2237	Serbian Orthodox
2238	Ukrainian Orthodox
2239	Eastern Orthodox, nec
2250	Presbyterian and Reformed, nfd
2251	Presbyterian
2252	Reformed
2253	Free Reformed
2271	Salvation Army
2311	Seventh-day Adventist
2331	Uniting Church
2400	Pentecostal, nfd
2401	Apostolic Church (Australia)
2402	Assemblies of God
2403	Bethesda Churches
2404	Christian City Church
2405	Christian Life Churches International
2406	Christian Outreach Centres
2407	Christian Revival Crusade
2408	Faith Churches
2411	Foursquare Gospel Church
2412	Full Gospel Church
2413	Revival Centres
2414	Rhema Family Church
2415	United Pentecostal
2499	Pentecostal, nec
2800	Other Protestant, nfd
2801	Aboriginal Evangelical Missions
2802	Born Again Christian
2803	Christian and Missionary Alliance
2804	Church of the Nazarene
2805	Congregational
2806	Ethnic Evangelical Churches
2807	Independent Evangelical Churches

2808	Wesleyan Methodist Church
2899	Other Protestant, nec
2900	Other Christian, nfd
2901	Apostolic Church of Queensland
2902	Christadelphians
2903	Christian Science
2904	Gnostic Christians
2905	Liberal Catholic Church
2906	New Apostolic Church
2907	New Churches (Swedenborgian)
2908	Ratana (Maori)
2911	Religious Science
2912	Religious Society of Friends (Quakers)
2913	Temple Society
2914	Unitarian
2915	Worldwide Church of God
2999	Other Christian, nec
3011	Hinduism
4011	Islam
5011	Judaism
6011	Australian Aboriginal Traditional Religions
6031	Baha'i
6050	Chinese Religions, nfd
6051	Ancestor Veneration
6052	Confucianism
6053	Taoism
6059	Chinese Religions, nec
6071	Druse
6110	Japanese Religions, nfd
6111	Shinto
6112	Sukyo Mahikari
6113	Tenrikyo
6119	Japanese Religions, nec
6130	Nature Religions, nfd
6131	Animism
6132	Druidism
6133	Paganism
6134	Pantheism
6135	Wiccan/Witchcraft
6139	Nature Religions, nec
6151	Sikhism
6171	Spiritualism
6991	Caodaism
6992	Church of Scientology
6993	Eckankar
6994	Rastafarianism
6995	Satanism
6996	Theosophy
6997	Jainism
6998	Zoroastrianism
6999	Religious Groups, nec
7010	No Religion, nfd
7011	Agnosticism
7012	Atheism
7013	Humanism
7014	Rationalism

Australian Standard Geographical Classification (ASGC)

ABS 1216.0 - Australian Standard Geographical Classification (ASGC), Jul 2008

Statistical Local Area (from ASGC)

105051100	Botany Bay (C)
105054800	Leichhardt (A)
105055200	Marrickville (A)
105057201	Sydney (C) - Inner
105057204	Sydney (C) - East
105057205	Sydney (C) - South
105057206	Sydney (C) - West

105106550	Randwick (C)
105108050	Waverley (A)
105108500	Woollahra (A)
105154150	Hurstville (C)
105154450	Kogarah (A)
105156650	Rockdale (C)
105157151	Sutherland Shire (A) - East
105157152	Sutherland Shire (A) - West
105200351	Bankstown (C) - North-East
105200353	Bankstown (C) - North-West
105200355	Bankstown (C) - South
105201550	Canterbury (C)
105252851	Fairfield (C) - East
105252854	Fairfield (C) - West
105254901	Liverpool (C) - East
105254904	Liverpool (C) - West
105301450	Camden (A)
105301501	Campbelltown (C) - North
105301504	Campbelltown (C) - South
105308400	Wollondilly (A)
105350150	Ashfield (A)
105351300	Burwood (A)
105351521	Canada Bay (A) - Concord
105351524	Canada Bay (A) - Drummoyne
105357100	Strathfield (A)
105400200	Auburn (A)
105403950	Holroyd (C)
105406251	Parramatta (C) - Inner
105406252	Parramatta (C) - North-East
105406253	Parramatta (C) - North-West
105406254	Parramatta (C) - South
105450900	Blue Mountains (C)
105453800	Hawkesbury (C)
105456351	Penrith (C) - East
105456354	Penrith (C) - West
105530751	Blacktown (C) - North
105530752	Blacktown (C) - South-East
105530753	Blacktown (C) - South-West
105554100	Hunters Hill (A)
105554700	Lane Cove (A)
105555350	Mosman (A)
105555950	North Sydney (A)
105556700	Ryde (C)
105558250	Willoughby (C)
105600501	Baulkham Hills (A) - Central
105600503	Baulkham Hills (A) - North
105600505	Baulkham Hills (A) - South
105604001	Hornsby (A) - North
105604004	Hornsby (A) - South
105604500	Ku-ring-gai (A)
105655150	Manly (A)
105656370	Pittwater (A)
105658000	Warringah (A)
105703101	Gosford (C) - East
105703104	Gosford (C) - West
105708551	Wyong (A) - North-East
105708554	Wyong (A) - South and West
110051720	Cessnock (C)
110054651	Lake Macquarie (C) - East
110054653	Lake Macquarie (C) - North
110054655	Lake Macquarie (C) - West
110055050	Maitland (C)
110055903	Newcastle (C) - Inner City
110055904	Newcastle (C) - Outer West
110055905	Newcastle (C) - Throsby
110056400	Port Stephens (A)
110102700	Dungog (A)
110103050	Gloucester (A)
110103400	Great Lakes (A)

110105650	Muswellbrook (A)
110107000	Singleton (A)
110107620	Upper Hunter Shire (A)
115054400	Kiama (A)
115056900	Shellharbour (C)
115058451	Wollongong (C) - Inner
115058454	Wollongong (C) Bal
115076951	Shoalhaven (C) - Pt A
115106952	Shoalhaven (C) - Pt B
115108350	Wingecarribee (A)
120057554	Tweed (A) - Tweed-Heads
120057556	Tweed (A) - Tweed Coast
120074851	Lismore (C) - Pt A
120100250	Ballina (A)
120101350	Byron (A)
120104550	Kyogle (A)
120104854	Lismore (C) - Pt B
120106611	Richmond Valley (A) - Casino
120106612	Richmond Valley (A) Bal
120107558	Tweed (A) - Pt B
125011801	Coffs Harbour (C) - Pt A
125036381	Port Macquarie-Hastings (A) - Pt A
125050600	Bellingen (A)
125051736	Clarence Valley (A) - Coast
125051737	Clarence Valley (A) - Grafton
125051738	Clarence Valley (A) Bal
125051804	Coffs Harbour (C) - Pt B
125055700	Nambucca (A)
125103350	Greater Taree (C)
125104350	Kempsey (A)
125106385	Port Macquarie-Hastings (A) - Pt B
125108859	Lord Howe Island
130057311	Tamworth Regional (A) - Pt A
130103550	Gunnedah (A)
130103660	Gwydir (A)
130104201	Inverell (A) - Pt A
130104920	Liverpool Plains (A)
130107314	Tamworth Regional (A) - Pt B
130150111	Armidale Dumaresq (A) - City
130150112	Armidale Dumaresq (A) Bal
130153010	Glen Innes Severn (A)
130153650	Guyra (A)
130154202	Inverell (A) - Pt B
130157400	Tenterfield (A)
130157650	Uralla (A)
130157850	Walcha (A)
130205300	Moree Plains (A)
130205750	Narrabri (A)
135012601	Dubbo (C) - Pt A
135052604	Dubbo (C) - Pt B
135052950	Gilgandra (A)
135055271	Mid-Western Regional (A) - Pt A
135055850	Narromine (A)
135058020	Warrumbungle Shire (A)
135058150	Wellington (A)
135100950	Bogan (A)
135102150	Coonamble (A)
135107900	Walgett (A)
135107950	Warren (A)
135151150	Bourke (A)
135151200	Brewarrina (A)
135151750	Cobar (A)
140030471	Bathurst Regional (A) - Pt A
140070473	Bathurst Regional (A) - Pt B
140070850	Blayney (A)
140071400	Cabonne (A)
140074870	Lithgow (C)
140075274	Mid-Western Regional (A) - Pt B
140076100	Oberon (A)

140150800	Bland (A)
140152350	Cowra (A)
140152900	Forbes (A)
140154600	Lachlan (A)
140156200	Parkes (A)
140158100	Weddin (A)
140206150	Orange (C)
145056181	Palerang (A) - Pt A
145056470	Queanbeyan (C)
145101050	Boorowa (A)
145103311	Goulburn Mulwaree (A) - Goulburn
145103314	Goulburn Mulwaree (A) Bal
145103700	Harden (A)
145106184	Palerang (A) - Pt B
145107640	Upper Lachlan Shire (A)
145108710	Yass Valley (A)
145108750	Young (A)
145150550	Bega Valley (A)
145152750	Eurobodalla (A)
145201000	Bombala (A)
145202050	Cooma-Monaro (A)
145207050	Snowy River (A)
150057751	Wagga Wagga (C) - Pt A
150102000	Coolamon (A)
150102200	Cootamundra (A)
150103500	Gundagai (A)
150104300	Junee (A)
150104950	Lockhart (A)
150105800	Narrandera (A)
150107350	Temora (A)
150107500	Tumut Shire (A)
150107754	Wagga Wagga (C) - Pt B
150151600	Carrathool (A)
150153450	Griffith (C)
150153850	Hay (A)
150154750	Leeton (A)
150155550	Murrumbidgee (A)
155050050	Albury (C)
155053371	Greater Hume Shire (A) - Pt A
155102300	Corowa Shire (A)
155103374	Greater Hume Shire (A) - Pt B
155107450	Tumbarumba (A)
155107700	Urana (A)
155150650	Berrigan (A)
155151860	Conargo (A)
155152500	Deniliquin (A)
155154250	Jerilderie (A)
155155500	Murray (A)
155157800	Wakool (A)
155200300	Balranald (A)
155208200	Wentworth (A)
160101250	Broken Hill (C)
160101700	Central Darling (A)
160108809	Unincorp. Far West
185019779	Off-Shore Areas and Migratory
205054601	Melbourne (C) - Inner
205054605	Melbourne (C) - S'bank-D'lands
205054608	Melbourne (C) - Remainder
205055901	Port Phillip (C) - St Kilda
205055902	Port Phillip (C) - West
205056351	Stonnington (C) - Prahran
205057351	Yarra (C) - North
205057352	Yarra (C) - Richmond
205101181	Brimbank (C) - Keilor
205101182	Brimbank (C) - Sunshine
205103111	Hobsons Bay (C) - Altona
205103112	Hobsons Bay (C) - Williamstown
205104330	Maribyrnong (C)
205105063	Moonee Valley (C) - Essendon

205105065	Moonee Valley (C) - West
205204651	Melton (S) - East
205204654	Melton (S) Bal
205207261	Wyndham (C) - North
205207264	Wyndham (C) - South
205207267	Wyndham (C) - West
205255251	Moreland (C) - Brunswick
205255252	Moreland (C) - Coburg
205255253	Moreland (C) - North
205300661	Banyule (C) - Heidelberg
205300662	Banyule (C) - North
205301891	Darebin (C) - Northcote
205301892	Darebin (C) - Preston
205353271	Hume (C) - Broadmeadows
205353274	Hume (C) - Craigieburn
205353275	Hume (C) - Sunbury
205405713	Nillumbik (S) - South
205405715	Nillumbik (S) - South-West
205405718	Nillumbik (S) Bal
205407071	Whittlesea (C) - North
205407075	Whittlesea (C) - South-East
205407076	Whittlesea (C) - South-West
205451111	Boroondara (C) - Camberwell N.
205451112	Boroondara (C) - Camberwell S.
205451113	Boroondara (C) - Hawthorn
205451114	Boroondara (C) - Kew
205504211	Manningham (C) - East
205504214	Manningham (C) - West
205504971	Monash (C) - South-West
205504974	Monash (C) - Waverley East
205504975	Monash (C) - Waverley West
205506981	Whitehorse (C) - Box Hill
205506984	Whitehorse (C) - Nunawading E.
205506985	Whitehorse (C) - Nunawading W.
205553672	Knox (C) - North-East
205553673	Knox (C) - North-West
205553674	Knox (C) - South
205554411	Maroondah (C) - Croydon
205554412	Maroondah (C) - Ringwood
205607451	Yarra Ranges (S) - Central
205607452	Yarra Ranges (S) - Dandenongs
205607453	Yarra Ranges (S) - Lilydale
205607454	Yarra Ranges (S) - North
205607456	Yarra Ranges (S) - Seville
205650911	Bayside (C) - Brighton
205650912	Bayside (C) - South
205652311	Glen Eira (C) - Caulfield
205652314	Glen Eira (C) - South
205653431	Kingston (C) - North
205653434	Kingston (C) - South
205656352	Stonnington (C) - Malvern
205752671	Gr. Dandenong (C) - Dandenong
205752674	Gr. Dandenong (C) Bal
205801452	Cardinia (S) - North
205801453	Cardinia (S) - Pakenham
205801454	Cardinia (S) - South
205801612	Casey (C) - Berwick
205801613	Casey (C) - Cranbourne
205801616	Casey (C) - Hallam
205801618	Casey (C) - South
205852171	Frankston (C) - East
205852174	Frankston (C) - West
205905341	Mornington P'sula (S) - East
205905344	Mornington P'sula (S) - South
205905345	Mornington P'sula (S) - West
210052751	Bellarine - Inner
210052752	Corio - Inner
210052753	Geelong
210052754	Geelong West

210052755	Newtown
210052756	South Barwon - Inner
210102757	Greater Geelong (C) - Pt B
210106080	Queenscliffe (B)
210106493	Surf Coast (S) - East
210106495	Surf Coast (S) - West
210151751	Colac-Otway (S) - Colac
210151754	Colac-Otway (S) - North
210151755	Colac-Otway (S) - South
210152491	Golden Plains (S) - North-West
210152492	Golden Plains (S) - South-East
210152758	Greater Geelong (C) - Pt C
215016730	Warrnambool (C)
215051831	Corangamite (S) - North
215051832	Corangamite (S) - South
215055491	Moyne (S) - North-East
215055493	Moyne (S) - North-West
215055496	Moyne (S) - South
215058469	Lady Julia Percy Island
215102411	Glenelg (S) - Heywood
215102412	Glenelg (S) - North
215102413	Glenelg (S) - Portland
215106261	S. Grampians (S) - Hamilton
215106264	S. Grampians (S) - Wannon
215106265	S. Grampians (S) Bal
220050571	Ballarat (C) - Central
220050572	Ballarat (C) - Inner North
220050573	Ballarat (C) - North
220050574	Ballarat (C) - South
220102911	Hepburn (S) - East
220102912	Hepburn (S) - West
220105151	Moorabool (S) - Bacchus Marsh
220105154	Moorabool (S) - Ballan
220105155	Moorabool (S) - West
220150260	Ararat (RC)
220155991	Pyrenees (S) - North
220155994	Pyrenees (S) - South
225053191	Horsham (RC) - Central
225053194	Horsham (RC) Bal
225055811	N. Grampians (S) - St Arnaud
225055814	N. Grampians (S) - Stawell
225056890	West Wimmera (S)
225102980	Hindmarsh (S)
225107631	Yarriambiack (S) - North
225107632	Yarriambiack (S) - South
230054781	Mildura (RC) - Pt A
230101271	Buloke (S) - North
230101272	Buloke (S) - South
230104782	Mildura (RC) - Pt B
230152250	Gannawarra (S)
230156611	Swan Hill (RC) - Central
230156614	Swan Hill (RC) - Robinvale
230156616	Swan Hill (RC) Bal
235052621	Gr. Bendigo (C) - Central
235052622	Gr. Bendigo (C) - Eaglehawk
235052623	Gr. Bendigo (C) - Inner East
235052624	Gr. Bendigo (C) - Inner North
235052625	Gr. Bendigo (C) - Inner West
235052626	Gr. Bendigo (C) - S'saye
235101671	C. Goldfields (S) - M'borough
235101674	C. Goldfields (S) Bal
235102628	Gr. Bendigo (C) - Pt B
235103943	Loddon (S) - North
235103945	Loddon (S) - South
235105431	Mount Alexander (S) - C'maine
235105434	Mount Alexander (S) Bal
235204131	Macedon Ranges (S) - Kyneton
235204134	Macedon Ranges (S) - Romsey
235204135	Macedon Ranges (S) Bal

240052831	Gr. Shepparton (C) - Pt A
240101371	Campaspe (S) - Echuca
240101374	Campaspe (S) - Kyabram
240101375	Campaspe (S) - Rochester
240101376	Campaspe (S) - South
240102834	Gr. Shepparton (C) - Pt B East
240102835	Gr. Shepparton (C) - Pt B West
240104901	Moira (S) - East
240104904	Moira (S) - West
240151011	Benalla (RC) - Benalla
240151014	Benalla (RC) Bal
240154250	Mansfield (S)
240156430	Strathbogie (S)
240158249	Mount Buller Alpine Resort
240158349	Mount Stirling Alpine Resort
240204851	Mitchell (S) - North
240204854	Mitchell (S) - South
240205621	Murrindindi (S) - East
240205622	Murrindindi (S) - West
240208149	Lake Mountain Alpine Resort
245053351	Indigo (S) - Pt A
245056671	Towong (S) - Pt A
245057170	Wodonga (RC)
245103352	Indigo (S) - Pt B
245106701	Wangaratta (RC) - Central
245106704	Wangaratta (RC) - North
245106705	Wangaratta (RC) - South
245150111	Alpine (S) - East
245150112	Alpine (S) - West
245156672	Towong (S) - Pt B
245158109	Falls Creek Alpine Resort
245158309	Mount Hotham Alpine Resort
250052111	E. Gippsland (S) - Bairnsdale
250052113	E. Gippsland (S) - Orbost
250052115	E. Gippsland (S) - South-West
250052117	E. Gippsland (S) Bal
250156811	Wellington (S) - Alberton
250156812	Wellington (S) - Avon
250156813	Wellington (S) - Maffra
250156814	Wellington (S) - Rosedale
250156815	Wellington (S) - Sale
255050831	Baw Baw (S) - Pt A
255053811	Latrobe (C) - Moe
255053814	Latrobe (C) - Morwell
255053815	Latrobe (C) - Traralgon
255053818	Latrobe (C) Bal
255100834	Baw Baw (S) - Pt B East
255100835	Baw Baw (S) - Pt B West
255107458	Yarra Ranges (S) - Pt B
255108209	Mount Baw Baw Alpine Resort
255200741	Bass Coast (S) - Phillip Is.
255200744	Bass Coast (S) Bal
255206171	South Gippsland (S) - Central
255206174	South Gippsland (S) - East
255206175	South Gippsland (S) - West
255208529	French Island
255208649	Bass Strait Islands
285019779	Off-Shore Areas and Migratory
305011067	Bowen Hills
305011143	City - Inner
305011146	City - Remainder
305011187	Dutton Park
305011227	Fortitude Valley
305011274	Herston
305011277	Highgate Hill
305011304	Kangaroo Point
305011315	Kelvin Grove
305011378	Milton
305011421	New Farm

305011427	Newstead
305011454	Paddington
305011481	Red Hill
305011525	South Brisbane
305011528	Spring Hill
305011607	West End
305011631	Woolloongabba
305031004	Albion
305031007	Alderley
305031026	Ascot
305031031	Ashgrove
305031048	Bardon
305031132	Chelmer
305031151	Clayfield
305031162	Corinda
305031206	Enoggera
305031241	Graceville
305031244	Grange
305031255	Hamilton
305031271	Hendra
305031293	Indooroopilly
305031312	Kedron
305031345	Lutwyche
305031424	Newmarket
305031446	Nundah
305031506	St Lucia
305031522	Sherwood
305031533	Stafford
305031536	Stafford Heights
305031558	Taringa
305031574	Toowong
305031618	Wilston
305031623	Windsor
305031634	Wooloowin
305071018	Anstead
305071034	Aspley
305071037	Bald Hills
305071045	Banyo
305071053	Bellbowrie
305071064	Boondall
305071072	Bracken Ridge
305071075	Bridgeman Downs
305071078	Brighton
305071084	Brookfield (incl. Brisbane Forest Park)
305071121	Carseldine
305071127	Chapel Hill
305071135	Chermside
305071138	Chermside West
305071167	Darra-Sumner
305071173	Deagon
305071176	Doolandella-Forest Lake
305071184	Durack
305071203	Ellen Grove
305071211	Everton Park
305071217	Ferny Grove
305071222	Fig Tree Pocket
305071236	Geebung
305071288	Inala
305071296	Jamboree Heights
305071301	Jindalee
305071306	Karana Downs-Lake Manchester
305071318	Kenmore
305071323	Kenmore Hills
305071326	Keperra
305071353	McDowall
305071375	Middle Park
305071383	Mitchelton
305071386	Moggill
305071408	Mount Ommaney

305071435	Northgate
305071442	Nudgee
305071451	Oxley
305071465	Pinjarra Hills
305071467	Pinkenba-Eagle Farm
305071473	Pullenvale
305071484	Richlands
305071487	Riverhills
305071514	Sandgate
305071517	Seventeen Mile Rocks
305071556	Taigum-Fitzgibbon
305071567	The Gap
305071585	Upper Kedron
305071593	Virginia
305071596	Wacol
305071604	Wavell Heights
305071612	Westlake
305071653	Zillmere
305091015	Annerley
305091042	Balmoral
305091086	Bulimba
305091097	Camp Hill
305091102	Cannon Hill
305091108	Carindale
305091113	Carina
305091116	Carina Heights
305091157	Coorparoo
305091195	East Brisbane
305091214	Fairfield
305091247	Greenslopes
305091258	Hawthorne
305091282	Holland Park
305091285	Holland Park West
305091391	Moorooka
305091397	Morningside
305091432	Norman Park
305091563	Tarragindi
305091645	Yeerongpilly
305091648	Yeronga
305111001	Acacia Ridge
305111012	Algester
305111023	Archerfield
305111057	Belmont-Mackenzie
305111091	Burbank
305111094	Calamvale
305111123	Chandler-Capalaba West
305111154	Coopers Plains
305111198	Eight Mile Plains
305111251	Gumdale-Ransome
305111265	Hemmant-Lytton
305111331	Kuraby
305111337	Lota
305111356	MacGregor
305111364	Manly
305111367	Manly West
305111372	Mansfield
305111394	Moreton Island
305111402	Mount Gravatt
305111405	Mount Gravatt East
305111413	Murarrie
305111416	Nathan
305111456	Pallara-Heathwood-Larapinta
305111463	Parkinson-Drewvale
305111492	Robertson
305111495	Rochedale
305111498	Rocklea
305111503	Runcorn
305111511	Salisbury
305111541	Stretton-Karawatha

305111547	Sunnybank
305111552	Sunnybank Hills
305111571	Tingalpa
305111588	Upper Mount Gravatt
305111601	Wakerley
305111615	Willawong
305111626	Wishart
305111637	Wynnum
305111642	Wynnum West
305205019	Bribie Island
305205021	Burpengary-Narangba
305205023	Caboolture Central
305205025	Caboolture East
305205027	Caboolture Hinterland
305205028	Caboolture Midwest
305205039	Deception Bay
305205056	Morayfield
305253962	Ipswich (C) - Central
305253965	Ipswich (C) - East
305253966	Ipswich (C) - North
305253971	Ipswich (C) - South-West
305253976	Ipswich (C) - West
305304595	Beenleigh
305304597	Bethania-Waterford
305304601	Browns Plains
305304603	Carbrook-Cornubia
305304605	Daisy Hill-Priestdale
305304606	Eagleby
305304607	Edens Landing-Holmview
305304608	Greenbank-Boronia Heights
305304611	Jimboomba-Logan Village
305304612	Kingston
305304615	Loganholme
305304618	Loganlea
305304623	Marsden
305304626	Mt Warren Park
305304627	Park Ridge-Logan Reserve
305304631	Rochedale South
305304634	Shailer Park
305304637	Slacks Creek
305304642	Springwood
305304645	Tanah Merah
305304651	Underwood
305304654	Waterford West
305304655	Wolffdene-Bahrs Scrub
305304656	Woodridge
305405013	Albany Creek
305405016	Bray Park
305405033	Central Pine West
305405037	Dakabin-Kallangur-M. Downs
305405043	Griffin-Mango Hill
305405047	Hills District
305405051	Lawnton
305405058	Petrie
305405067	Strathpine-Brendale
305405068	Moreton Bay (R) Bal
305455035	Clontarf
305455053	Margate-Woody Point
305455063	Redcliffe-Scarborough
305455065	Rothwell-Kippa-Ring
305506251	Alexandra Hills
305506254	Birkdale
305506257	Capalaba
305506262	Cleveland
305506264	Ormiston
305506265	Redland Bay
305506267	Sheldon-Mt Cotton
305506268	Thorneside
305506271	Thornlands

305506273	Victoria Point
305506276	Wellington Point
305506283	Redland (C) Bal
307103508	Biggera Waters-Labrador
307103511	Bilinga-Tugun
307103514	Broadbeach-Mermaid Beach
307103515	Broadbeach Waters
307103517	Bundall
307103521	Burleigh Heads
307103523	Burleigh Waters
307103527	Coolangatta
307103533	Currumbin
307103555	Main Beach-South Stradbroke
307103562	Mermaid Wtrs-Clear Is. Wtrs
307103563	Miami
307103573	Palm Beach
307103576	Paradise Point-Runaway Bay
307103585	Southport
307103587	Surfers Paradise
307153502	Ashmore-Benowa
307153525	Carrara-Merrimac
307153531	Coombabah
307153534	Currumbin Valley-Tallebudgera
307153535	Currumbin Waters
307153537	Elanora
307153543	Helensvale
307153547	Hope Island
307153552	Jacobs Well-Alberton
307153556	Kingsholme-Upper Coomera
307153564	Molendinar
307153566	Mudgeeraba-Reedy Creek
307153567	Nerang
307153568	Oxenford-Maudsland
307153572	Pacific Pines-Gaven
307153574	Ormeau-Yatala
307153578	Parkwood-Arundel
307153581	Pimpama-Coomera
307153582	Robina
307153592	Varsity Lakes
307153593	Worongary-Tallai
307203538	Guanaba-Springbrook
309056713	Buderim
309056718	Caloundra North
309056721	Caloundra South
309056723	Coolum-Mudjimba
309056728	Kawana
309056738	Maroochydore
309056744	Mooloolaba
309056748	Nambour
309056755	Noosa-Noosaville
309056761	Paynter-Petrie Creek
309056763	Sunshine-Peregian
309056772	Tewantin
309106716	Caloundra Hinterland
309106725	Glass House Country
309106733	Maroochy Hinterland
309106753	Noosa Hinterland
312056582	Somerset (R) - Esk
312056584	Somerset (R) - Kilcoy
312104582	Lockyer Valley (R) - Gatton
312104584	Lockyer Valley (R) - Laidley
312106512	Scenic Rim (R) - Beaudesert
312106514	Scenic Rim (R) - Boonah
312106516	Scenic Rim (R) - Tamborine-Canungra
315051822	Bundaberg (R) - Bundaberg
315051824	Bundaberg (R) - Burnett Pt A
315073222	Fraser Coast (R) - Hervey Bay Pt A
315101825	Bundaberg (R) - Burnett Pt B
315101827	Bundaberg (R) - Isis

315101828	Bundaberg (R) - Kolan
315102330	Cherbourg (S)
315103223	Fraser Coast (R) - Hervey Bay Pt B
315103225	Fraser Coast (R) - Maryborough
315103227	Fraser Coast (R) - Woocoo-Tiaro
315103622	Gympie (R) - Cooloola
315103624	Gympie (R) - Gympie
315103626	Gympie (R) - Kilkivan
315105761	North Burnett (R) - Biggenden
315105762	North Burnett (R) - Eidsvold
315105763	North Burnett (R) - Gayndah
315105764	North Burnett (R) - Monto
315105765	North Burnett (R) - Mundubbera
315105766	North Burnett (R) - Perry
315106632	South Burnett (R) - Kingaroy
315106634	South Burnett (R) - Murgon
315106636	South Burnett (R) - Nanango
315106638	South Burnett (R) - Wondai
320016912	Cambooya
320016921	Gowrie
320016926	Highfields
320016937	Toowoomba Central
320016941	Toowoomba North-East
320016943	Toowoomba North-West
320016945	Toowoomba South-East
320016946	Toowoomba West
320016947	Westbrook
320052662	Dalby (R) - Chinchilla
320052663	Dalby (R) - Dalby
320052665	Dalby (R) - Murilla-Wandoan
320052666	Dalby (R) - Tara
320052668	Dalby (R) - Wambo
320053612	Goondiwindi (R) - Goondiwindi
320053614	Goondiwindi (R) - Inglewood
320053616	Goondiwindi (R) - Waggamba
320056662	Southern Downs (R) - Allora
320056665	Southern Downs (R) - Killarney
320056666	Southern Downs (R) - Stanthorpe
320056667	Southern Downs (R) - Warwick
320056668	Southern Downs (R) - West
320056914	Clifton
320056916	Crow's Nest
320056923	Greenmount
320056928	Jondaryan
320056931	Millmerran
320056933	Pittsworth
320056935	Rosalie
325050300	Balonne (S)
325051750	Bulloo (S)
325055600	Murweh (S)
325055800	Paroo (S)
325056150	Quilpie (S)
325056412	Roma (R) - Bendemere
325056414	Roma (R) - Booringa
325056415	Roma (R) - Bungil
325056417	Roma (R) - Roma
325056418	Roma (R) - Warroo
330056362	Rockhampton (R) - Fitzroy Pt A
330056365	Rockhampton (R) - Livingstone Pt A
330056368	Rockhampton (R) - Rockhampton
330103362	Gladstone (R) - Calliope Pt A
330103366	Gladstone (R) - Gladstone
330150370	Banana (S)
330152272	Central Highlands (R) - Bauhinia
330152274	Central Highlands (R) - Duaringa
330152276	Central Highlands (R) - Emerald
330152278	Central Highlands (R) - Peak Downs
330153364	Gladstone (R) - Calliope Pt B
330153368	Gladstone (R) - Miriam Vale

330156363	Rockhampton (R) - Fitzroy Pt B
330156366	Rockhampton (R) - Livingstone Pt B
330156367	Rockhampton (R) - Mount Morgan
330157550	Woorabinda (S)
335050412	Barcaldine (R) - Aramac
335050416	Barcaldine (R) - Barcaldine
335050418	Barcaldine (R) - Jericho
335050450	Barcoo (S)
335050762	Blackall Tambo (R) - Blackall
335050765	Blackall Tambo (R) - Tambo
335050900	Boulia (S)
335052750	Diamantina (S)
335054712	Longreach (R) - Ilfracombe
335054714	Longreach (R) - Isisford
335054716	Longreach (R) - Longreach
335057400	Winton (S)
340054772	Mackay (R) - Mackay Pt A
340103982	Isaac (R) - Belyando
340103984	Isaac (R) - Broadsound
340103986	Isaac (R) - Nebo
340104773	Mackay (R) - Mackay Pt B
340104775	Mackay (R) - Mirani
340104777	Mackay (R) - Sarina
340107342	Whitsunday (R) - Bowen
340107345	Whitsunday (R) - Whitsunday
345057001	Aitkenvale
345057003	City
345057007	Cranbrook
345057012	Currajong
345057014	Douglas
345057015	Garbutt
345057018	Gulliver
345057023	Heatley
345057026	Hermit Park
345057027	Hyde Park-Mysterton
345057031	Magnetic Island
345057033	Mt Louisa-Mt St John-Bohle
345057034	Mundingburra
345057038	Murray
345057041	North Ward-Castle Hill
345057044	Oonoonba-Idalia-Cluden
345057047	Pallarenda-Shelley Beach
345057051	Pimlico
345057054	Railway Estate
345057058	Rosslea
345057062	Rowes Bay-Belgian Gardens
345057065	South Townsville
345057068	Stuart-Roseneath
345057071	Vincent
345057074	West End
345057078	Wulguru
345107005	Condon-Rasmussen-Bohle Basin
345107028	Kelso
345107030	Kirwan
345151900	Burdekin (S)
345152312	Charters Towers (R) - Charters Towers
345152314	Charters Towers (R) - Dalrymple
345153800	Hinchinbrook (S)
345155790	Palm Island (S)
345157043	Northern Beaches-Pinnacles
345157076	Woodstock-Cleveland-Ross
350052062	Cairns (R) - Barron
350052065	Cairns (R) - Central Suburbs
350052066	Cairns (R) - City
350052068	Cairns (R) - Mt Whitfield
350052072	Cairns (R) - Northern Suburbs
350052074	Cairns (R) - Trinity
350052076	Cairns (R) - Western Suburbs
350100250	Aurukun (S)

350102067	Cairns (R) - Douglas
350102078	Cairns (R) - Pt B
350102262	Cassowary Coast (R) - Cardwell
350102264	Cassowary Coast (R) - Johnstone
350102500	Cook (S)
350102600	Croydon (S)
350103100	Etheridge (S)
350103830	Hope Vale (S)
350104420	Kowanyama (S)
350104570	Lockhart River (S)
350104830	Mapoon (S)
350105670	Napranum (S)
350105781	Northern Peninsula Area (R) - Bamaga
350105783	Northern Peninsula Area (R) - Injinoo
350105784	Northern Peninsula Area (R) - New Mapoon
350105786	Northern Peninsula Area (R) - Seisia
350105788	Northern Peninsula Area (R) - Umagico
350106070	Pormpuraaw (S)
350106812	Tablelands (R) - Atherton
350106814	Tablelands (R) - Eacham
350106816	Tablelands (R) - Herberton
350106818	Tablelands (R) - Mareeba
350106950	Torres (S)
350106963	Torres Strait Island (R) - Badu
350106965	Torres Strait Island (R) - Boigu
350106968	Torres Strait Island (R) - Dauan
350106972	Torres Strait Island (R) - Erub
350106974	Torres Strait Island (R) - Hammond
350106976	Torres Strait Island (R) - Iama
350106978	Torres Strait Island (R) - Kubin
350106982	Torres Strait Island (R) - Mabuiag
350106984	Torres Strait Island (R) - Mer
350106986	Torres Strait Island (R) - Poruma
350106992	Torres Strait Island (R) - Saibai
350106993	Torres Strait Island (R) - St Pauls
350106995	Torres Strait Island (R) - Ugar
350106996	Torres Strait Island (R) - Warraber
350106998	Torres Strait Island (R) - Yorke
350107300	Weipa (T)
350107570	Wujal Wujal (S)
350107600	Yarrabah (S)
355051950	Burke (S)
355052250	Carpentaria (S)
355052450	Cloncurry (S)
355052770	Doomadgee (S)
355053200	Flinders (S)
355054800	McKinlay (S)
355055250	Mornington (S)
355055300	Mount Isa (C)
355056300	Richmond (S)
385019779	Off-Shore Areas and Migratory
405052030	Gawler (T)
405055681	Playford (C) - East Central
405055683	Playford (C) - Elizabeth
405055684	Playford (C) - Hills
405055686	Playford (C) - West
405055688	Playford (C) - West Central
405055891	Port Adel. Enfield (C) - East
405055894	Port Adel. Enfield (C) - Inner
405057141	Salisbury (C) - Central
405057143	Salisbury (C) - Inner North
405057144	Salisbury (C) - North-East
405057146	Salisbury (C) - South-East
405057148	Salisbury (C) Bal
405057701	Tea Tree Gully (C) - Central
405057704	Tea Tree Gully (C) - Hills
405057705	Tea Tree Gully (C) - North
405057708	Tea Tree Gully (C) - South
405101061	Charles Sturt (C) - Coastal

405101064	Charles Sturt (C) - Inner East
405101065	Charles Sturt (C) - Inner West
405101068	Charles Sturt (C) - North-East
405105895	Port Adel. Enfield (C) - Coast
405105896	Port Adel. Enfield (C) - Park
405105897	Port Adel. Enfield (C) - Port
405108411	West Torrens (C) - East
405108414	West Torrens (C) - West
405108899	Unincorp. Western
405150070	Adelaide (C)
405150121	Adelaide Hills (DC) - Central
405150124	Adelaide Hills (DC) - Ranges
405150701	Burnside (C) - North-East
405150704	Burnside (C) - South-West
405150911	Campbelltown (C) - East
405150914	Campbelltown (C) - West
405155291	Norw. P'ham St Ptrs (C) - East
405155294	Norw. P'ham St Ptrs (C) - West
405156510	Prospect (C)
405157981	Unley (C) - East
405157984	Unley (C) - West
405158260	Walkerville (M)
405202601	Holdfast Bay (C) - North
405202604	Holdfast Bay (C) - South
405204061	Marion (C) - Central
405204064	Marion (C) - North
405204065	Marion (C) - South
405204341	Mitcham (C) - Hills
405204344	Mitcham (C) - North-East
405204345	Mitcham (C) - West
405205341	Onkaparinga (C) - Hackham
405205342	Onkaparinga (C) - Hills
405205343	Onkaparinga (C) - Morphett
405205344	Onkaparinga (C) - North Coast
405205345	Onkaparinga (C) - Reservoir
405205346	Onkaparinga (C) - South Coast
405205347	Onkaparinga (C) - Woodcroft
410050311	Barossa (DC) - Angaston
410050314	Barossa (DC) - Barossa
410050315	Barossa (DC) - Tanunda
410053650	Light (RegC)
410053920	Mallala (DC)
410102750	Kangaroo Island (DC)
410150125	Adelaide Hills (DC) - North
410150128	Adelaide Hills (DC) Bal
410154551	Mount Barker (DC) - Central
410154554	Mount Barker (DC) Bal
410200221	Alexandrina (DC) - Coastal
410200224	Alexandrina (DC) - Strathalbyn
410208050	Victor Harbor (C)
410208750	Yankalilla (DC)
415050430	Barunga West (DC)
415051560	Copper Coast (DC)
415058831	Yorke Peninsula (DC) - North
415058834	Yorke Peninsula (DC) - South
415058969	Unincorp. Yorke
415101140	Clare and Gilbert Valleys (DC)
415102110	Goyder (DC)
415108130	Wakefield (DC)
420050521	Berri and Barmera (DC) - Barmera
420050524	Berri and Barmera (DC) - Berri
420053791	Loxton Waikerie (DC) - East
420053794	Loxton Waikerie (DC) - West
420054210	Mid Murray (DC)
420056671	Renmark Paringa (DC) - Paringa
420056674	Renmark Paringa (DC) - Renmark
420059039	Unincorp. Riverland
420103080	Karoonda East Murray (DC)
420105040	Murray Bridge (RC)

420107290	Southern Mallee (DC)
420107800	The Coorong (DC)
420109109	Unincorp. Murray Mallee
425053360	Kingston (DC)
425055090	Naracoorte and Lucindale (DC)
425056860	Robe (DC)
425057630	Tatiara (DC)
425102250	Grant (DC)
425104620	Mount Gambier (C)
425108341	Wattle Range (DC) - East
425108344	Wattle Range (DC) - West
430051190	Cleve (DC)
430051750	Elliston (DC)
430051960	Franklin Harbour (DC)
430053220	Kimba (DC)
430053570	Le Hunte (DC)
430053710	Lower Eyre Peninsula (DC)
430056300	Port Lincoln (C)
430057910	Tumby Bay (DC)
430059179	Unincorp. Lincoln
430101010	Ceduna (DC)
430107490	Streaky Bay (DC)
430109249	Unincorp. West Coast
435058540	Whyalla (C)
435059389	Unincorp. Whyalla
435155120	Northern Areas (DC)
435155400	Orroroo/Carrieton (DC)
435155540	Peterborough (DC)
435156451	Port Pirie C Dists (M) - City
435156454	Port Pirie C Dists (M) Bal
435159459	Unincorp. Pirie
435201830	Flinders Ranges (DC)
435204830	Mount Remarkable (DC)
435206090	Port Augusta (C)
435209529	Unincorp. Flinders Ranges
435250250	Anangu Pitjantjatjara (AC)
435251330	Coober Pedy (DC)
435254000	Maralinga Tjarutja (AC)
435256970	Roxby Downs (M)
435259589	Unincorp. Far North
485019779	Off-Shore Areas & Migratory
505051310	Cambridge (T)
505051750	Claremont (T)
505052170	Cottesloe (T)
505055740	Mosman Park (T)
505056580	Nedlands (C)
505056930	Peppermint Grove (S)
505057081	Perth (C) - Inner
505057082	Perth (C) - Remainder
505057980	Subiaco (C)
505058570	Vincent (T)
505100350	Bassendean (T)
505100420	Bayswater (C)
505104200	Kalamunda (S)
505106090	Mundaring (S)
505108050	Swan (C)
505154171	Joondalup (C) - North
505154174	Joondalup (C) - South
505157914	Stirling (C) - Central
505157915	Stirling (C) - Coastal
505157916	Stirling (C) - South-Eastern
505158761	Wanneroo (C) - North-East
505158764	Wanneroo (C) - North-West
505158767	Wanneroo (C) - South
505201820	Cockburn (C)
505203150	East Fremantle (T)
505203431	Fremantle (C) - Inner
505203432	Fremantle (C) - Remainder
505204830	Kwinana (T)

505205320	Melville (C)
505207490	Rockingham (C)
505250210	Armadale (C)
505250490	Belmont (C)
505251330	Canning (C)
505253780	Gosnells (C)
505257700	Serpentine-Jarrahdale (S)
505257840	South Perth (C)
505258510	Victoria Park (T)
510015110	Mandurah (C)
510016230	Murray (S)
510031190	Bunbury (C)
510031401	Capel (S) - Pt A
510032661	Dardanup (S) - Pt A
510033991	Harvey (S) - Pt A
510100630	Boddington (S)
510101404	Capel (S) - Pt B
510101890	Collie (S)
510102664	Dardanup (S) - Pt B
510102870	Donnybrook-Balingup (S)
510103994	Harvey (S) - Pt B
510108820	Waroona (S)
510150280	Augusta-Margaret River (S)
510151260	Busselton (S)
510200770	Boyup Brook (S)
510200840	Bridgetown-Greenbushes (S)
510205180	Manjimup (S)
510206300	Nannup (S)
515051080	Broomehill-Tambellup (S)
515053640	Gnowangerup (S)
515054130	Jerramungup (S)
515054340	Katanning (S)
515054480	Kent (S)
515054550	Kojonup (S)
515059380	Woodanilling (S)
515100081	Albany (C) - Central
515100084	Albany (C) Bal
515102240	Cranbrook (S)
515102730	Denmark (S)
515107210	Plantagenet (S)
520050910	Brookton (S)
520052310	Cuballing (S)
520053010	Dumbleyung (S)
520056440	Narrogin (T)
520056510	Narrogin (S)
520057140	Pingelly (S)
520058610	Wagin (S)
520058680	Wandering (S)
520058890	West Arthur (S)
520059100	Wickepin (S)
520059170	Williams (S)
520102100	Corrigin (S)
520104620	Kondinin (S)
520104760	Kulin (S)
520104900	Lake Grace (S)
525051680	Chittering (S)
525052590	Dandaragan (S)
525053570	Gingin (S)
525055600	Moora (S)
525058540	Victoria Plains (S)
525100560	Beverley (S)
525102450	Cunderdin (S)
525102520	Dalwallinu (S)
525102940	Dowerin (S)
525103710	Goomalling (S)
525104690	Koorda (S)
525106732	Northam
525106735	Northam Town
525107350	Quairading (S)

525108190	Tammin (S)
525108330	Toodyay (S)
525109310	Wongan-Ballidu (S)
525109450	Wyalkatchem (S)
525109730	York (S)
525151120	Bruce Rock (S)
525154410	Kellerberrin (S)
525155460	Merredin (S)
525155880	Mount Marshall (S)
525155950	Mukinbudin (S)
525156370	Narembeen (S)
525156860	Nungarin (S)
525158400	Trayning (S)
525159030	Westonia (S)
525159660	Yilgarn (S)
530014281	Kalgoorlie/Boulder (C) - Pt A
530051960	Coolgardie (S)
530054284	Kalgoorlie/Boulder (C) - Pt B
530054970	Laverton (S)
530055040	Leonora (S)
530055390	Menzies (S)
530056620	Ngaanyatjarraku (S)
530103080	Dundas (S)
530103290	Esperance (S)
530107420	Ravensthorpe (S)
535033522	Geraldton
535033524	Greenough - Pt A
535051540	Carnarvon (S)
535053360	Exmouth (S)
535057770	Shark Bay (S)
535058470	Upper Gascoyne (S)
535102380	Cue (S)
535105250	Meekatharra (S)
535105810	Mount Magnet (S)
535106160	Murchison (S)
535107630	Sandstone (S)
535109250	Wiluna (S)
535109590	Yalgoo (S)
535151470	Carnamah (S)
535151610	Chapman Valley (S)
535152030	Coorow (S)
535153526	Greenough - Pt B
535154060	Irwin (S)
535155530	Mingenew (S)
535155670	Morawa (S)
535156020	Mullewa (S)
535156790	Northampton (S)
535157000	Perenjori (S)
535158260	Three Springs (S)
540053220	East Pilbara (S)
540057280	Port Hedland (T)
540100250	Ashburton (S)
540107560	Roebourne (S)
545053920	Halls Creek (S)
545059520	Wyndham-East Kimberley (S)
545100980	Broome (S)
545102800	Derby-West Kimberley (S)
585019779	Off-Shore Areas & Migratory
605050410	Brighton (M)
605051410	Clarence (C)
605051511	Derwent Valley (M) - Pt A
605052610	Glenorchy (C)
605052811	Hobart (C) - Inner
605052812	Hobart (C) - Remainder
605053611	Kingborough (M) - Pt A
605054811	Sorell (M) - Pt A
610051010	Central Highlands (M)
610051512	Derwent Valley (M) - Pt B
610052410	Glamorgan/Spring Bay (M)

610053010	Huon Valley (M)
610053612	Kingborough (M) - Pt B
610054812	Sorell (M) - Pt B
610055010	Southern Midlands (M)
610055210	Tasman (M)
615052211	George Town (M) - Pt A
615054011	Launceston (C) - Inner
615054012	Launceston (C) - Pt B
615054211	Meander Valley (M) - Pt A
615054611	Northern Midlands (M) - Pt A
615055811	West Tamar (M) - Pt A
615102212	George Town (M) - Pt B
615104013	Launceston (C) - Pt C
615104212	Meander Valley (M) - Pt B
615104612	Northern Midlands (M) - Pt B
615105812	West Tamar (M) - Pt B
615150210	Break O'Day (M)
615151810	Dorset (M)
615152010	Flinders (M)
620050611	Burnie (C) - Pt A
620050811	Central Coast (M) - Pt A
620051610	Devonport (C)
620053811	Latrobe (M) - Pt A
620055411	Waratah/Wynyard (M) - Pt A
620100612	Burnie (C) - Pt B
620100812	Central Coast (M) - Pt B
620101210	Circular Head (M)
620103210	Kentish (M)
620103410	King Island (M)
620103812	Latrobe (M) - Pt B
620105412	Waratah/Wynyard (M) - Pt B
620155610	West Coast (M)
685019779	Off-Shore Areas & Migratory
705051004	Alawa
705051008	Anula
705051011	Bayview-Woolner
705051014	Brinkin
705051018	City - Inner
705051024	Coconut Grove
705051028	Fannie Bay
705051034	Jingili
705051038	Karama
705051044	Larrakeyah
705051048	Leanyer
705051052	Lee Point-Leanyer Swamp
705051054	Ludmilla
705051058	Malak
705051064	Marrara
705051068	Millner
705051074	Moil
705051078	Nakara
705051084	Narrows
705051088	Nightcliff
705051094	Parap
705051098	Rapid Creek
705051104	Stuart Park
705051108	The Gardens
705051114	Tiwi
705051118	Wagaman
705051124	Wanguri
705051128	Winnellie
705051134	Wulagi
705051138	City - Remainder
705101169	East Arm
705102802	Bakewell
705102804	Driver
705102806	Durack
705102808	Gray
705102811	Gunn-Palmerston City

705102814	Moulden
705102818	Woodroffe
705102824	Palmerston (C) Bal
705202304	Litchfield (S) - Pt A
705202308	Litchfield (S) - Pt B
710050540	Belyuen (S)
710050700	Coomalie (S)
710051509	Finniss-Mary
710054560	Wagait (S)
710104050	Tiwi Islands (S)
710154663	West Arnhem (S) - Jabiru
710154666	West Arnhem (S) Bal
710250419	Alyangula
710251300	East Arnhem (S)
710252409	Nhulunbuy
710302200	Katherine (T)
710303600	Roper Gulf (S)
710304505	Victoria-Daly (S) - Wadeye and OS
710304508	Victoria-Daly (S) Bal
710350422	Barkly (S) - Tennant Creek
710350425	Barkly (S) Bal
710400201	Alice Springs (T) - Charles
710400203	Alice Springs (T) - Heavitree
710400205	Alice Springs (T) - Larapinta
710400207	Alice Springs (T) - Ross
710400208	Alice Springs (T) - Stuart
710400620	Central Desert (S)
710402330	MacDonnell (S)
710406059	Yulara
785019779	Off-Shore Areas & Migratory
805050089	Acton
805050189	Ainslie
805050639	Braddon
805050909	Campbell
805051449	City
805051889	Dickson
805051989	Downer
805052169	Duntroon
805053609	Hackett
805055049	Kowen
805055229	Lyneham
805055769	Majura
805056389	O'Connor
805057209	Reid
805057479	Russell
805058289	Turner
805058559	Watson
805100279	Aranda
805100459	Belconnen Town Centre
805100549	Belconnen - SSD Bal
805100729	Bruce
805101179	Charnwood
805101629	Cook
805102139	Dunlop
805102259	Evatt
805102619	Florey
805102709	Flynn
805102889	Fraser
805103249	Giralang
805103879	Hawker
805103969	Higgins
805104149	Holt
805104779	Kaleen
805105139	Latham
805105409	McKellar
805105589	Macgregor
805105679	Macquarie
805105949	Melba
805106669	Page

805107569	Scullin
805107659	Spence
805108649	Weetangera
805151269	Chifley
805151719	Curtin
805152439	Farrer
805153069	Garran
805154239	Hughes
805154419	Isaacs
805155319	Lyons
805155859	Mawson
805156489	O'Malley
805156849	Pearce
805156939	Phillip
805158109	Torrens
805201089	Chapman
805202079	Duffy
805202529	Fisher
805204059	Holder
805207389	Rivett
805207749	Stirling
805207839	Stromlo
805208469	Waramanga
805208739	Weston
805208829	Weston Creek-Stromlo - SSD Bal
805250339	Banks
805250609	Bonython
805250819	Calwell
805251359	Chisholm
805251549	Conder
805252349	Fadden
805253159	Gilmore
805253289	Gordon
805253339	Gowrie
805253379	Greenway
805254509	Isabella Plains
805254869	Kambah
805255489	Macarthur
805256129	Monash
805256579	Oxley
805257289	Richardson
805258019	Theodore
805258189	Tuggeranong - SSD Bal
805258379	Wanniassa
805350369	Barton
805351809	Deakin
805352789	Forrest
805352979	Fyshwick
805353429	Griffith
805353789	Harman
805354329	Hume
805354589	Jerrabomberra
805354959	Kingston
805356219	Narrabundah
805356309	Oaks Estate
805356759	Parkes
805357029	Pialligo
805357119	Red Hill
805357929	Symonston
805358919	Yarralumla
805400239	Amaroo
805400589	Bonner
805400939	Casey
805401649	Crace
805402779	Forde
805402919	Franklin
805403519	Gungahlin
805403529	Gungahlin-Hall - SSD Bal
805403689	Hall

805403819	Harrison
805406039	Mitchell
805406249	Ngunnawal
805406279	Nicholls
805406719	Palmerston
810059009	Remainder of ACT
910051009	Jervis Bay Territory
910052009	Territory of Christmas Island
910053009	Territory of Cocos (Keeling) Islands
985019779	Off-Shore Areas & Migratory

Birthdate Verification

1004	Birth certificate
1006	Hospital certificate
1008	Passport
1009	Physician's certificate
1010	Previously verified school records
1011	State-issued ID
1012	Driver's license
1013	Immigration document/visa
3423	Other official document
3424	Other non-official document
9999	Other
N	Birthdate NOT Verified
Y	Documentation Sighted, type not recorded

Calendar Event

A code indicating the type of school day

0845	Teacher only day
0846	Holiday
0848	Student late arrival/early dismissal
0849	Emergency day
3421	Strike
9999	Other
INST	Instructional School Day
MKUP	Instructional day that is scheduled solely to make up for emergency days or early dismissal days.

Day Value Code

AM	Morning
Full	All Day
N/A	Not Applicable
Partial	Partial Day
PM	Afternoon

Dwelling Arrangement

1669	Boarding house
1670	Cooperative house
1671	Crisis shelter
1672	Disaster shelter
1673	Residential school/dormitory
1674	Family residence - Both Parents/Guardians
1675	Foster home
1676	Institution
1677	Prison or juvenile detention center
1678	Rooming house
1679	Transient shelter
167I	Independent
167O	Family residence - One Parent/Guardian
1680	No home (Homeless Youth)
1681	Other dormitory
168A	Arranged by State - Out of Home Care
3425	Group home/halfway house
4000	Boarder
9999	Other

Education Agency Type

01	Jurisdictional agency
02	Cross-jurisdictional agency
03	Intra-jurisdictional agency
99	Other

Electronic Id Type

01	Barcode
02	Magstripe
03	PIN
04	RFID

Email Type

01	Primary
02	Alternate 1
03	Alternate 2
04	Alternate 3
05	Alternate 4
06	Work
07	Personal

Employment Type

Reference: MCEECDYA Data Standards Manual 2010 - Parental occupation group

http://www.mceecdya.edu.au/verve/_resources/Data_Standards_Manual_2010-Sec5-TechSpecs.pdf

1	Senior management in large business organisation, government administration and defence and qualified professionals.
2	Other business manages, arts/media/sportspersons and associate professionals
3	Tradsesmen/women, clerks and skilled office, sales and service staff
4	Machine Operators, hospitality staff, assistants, labourers and related workers
8	Out of employed work for 12 months or more (If less use previous occupational group.)
9	Unknown

English Proficiency

0	Not Stated/Inadequately described
1	Very well
2	Well
3	Not well
4	Not at all
9	Not Applicable - English is 'first language spoken' and do not 'speak a language other than English at home'.

Enrollment Time Frame

C	Current
F	Future
H	Historical

Entry Type

0997	Transfer from a different campus of the same school
0998	Temporary enrolment
1821	Transfer from a public school in the same district
1822	Transfer from a public school in a different district in the same jurisdiction
1823	Transfer from a public school in a different jurisdication
1824	Transfer from a private, non-religiously-affiliated school in the same district
1825	Transfer from a private, non-religiously-affiliated school in a different district
1826	Transfer from a private, non-religiously-affiliated school in a different jurisdiction
1827	Transfer from a private, religiously-affiliated school in the same district
1828	Transfer from a private, religiously-affiliated school in a different district in the same jurisdiction
1829	Transfer from a private, religiously-affiliated school in a different jurisdiction
1830	Transfer from a school outside of the country
1831	Transfer from an institution
1833	Transfer from home schooling
1835	Re-entry from the same school with no interruption of schooling

1836	Re-entry after a voluntary withdrawal
1837	Re-entry after an involuntary withdrawal
1838	Original entry into an Australian school
1839	Original entry into an Australian school from a foreign country with no interruption in schooling
1840	Original entry into an Australian school from a foreign country with an interruption in schooling
9999	Other

Exit/Withdrawal Status

1905	Permanent exit/withdrawal
1906	Temporary exit/withdrawal
9999	Unknown

Exit/Withdrawal Type

1907	Student is in a different public school in the same district
1908	Transferred to a public school in a different local education agency in the same jurisdiction
1909	Transferred to a public school in a different jurisdiction
1910	Transferred to a private, non-religiously-affiliated school in the district
1911	Transferred to a private, non-religiously-affiliated school in a different district the same jurisdiction
1912	Transferred to a private, non-religiously-affiliated school in a different jurisdiction
1913	Transferred to a private, religiously-affiliated school in the same district
1914	Transferred to a private, religiously-affiliated school in a different district in the same jurisdiction
1915	Transferred to a private, religiously-affiliated school in a different jurisdiction
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 local education agency and receiving education services, but is not assigned
3500	Enrolled in an adult education or training program
3501	Completed a state-recognized vocational education program
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
3509	Completed with a state-recognized equivalency certificate
9998	Transferred to a different campus of the same school
9999	Other

Federal Electorate

Federal Electorates from the Australian Electoral Commission

101	Banks
102	Barton
103	Bennelong
104	Berowra
105	Blaxland
106	Bradfield
107	Calare
108	Charlton
109	Chifley
110	Cook
111	Cowper
112	Cunningham
113	Dobell
114	Eden-Monaro
115	Farrer
116	Fowler
117	

	Gilmore
118	Grayndler
119	Greenway
120	Gwydir
121	Hughes
122	Hume
123	Hunter
124	Kingsford Smith
125	Lindsay
126	Lowe
127	Lyne
128	Macarthur
129	Mackellar
130	Macquarie
131	itchell
132	New England
133	Newcastle
134	North Sydney
135	Page
136	Parkes
137	Parramatta
138	Paterson
139	Prospect
140	Reid
141	Richmond
142	Riverina
143	Robertson
144	Shortland
145	Sydney
146	Throsby
147	Warringah
148	Watson
149	Wentworth
150	Werriwa
199	Not Applicable (NSW)
201	Aston
202	Ballarat
203	Batman
204	Bendigo
205	Bruce
206	Calwell
207	Casey
208	Chisholm
209	Corangamite
210	Corio
211	Deakin
212	Dunkley
213	Flinders
214	Gellibrand
215	Gippsland
216	Goldstein
217	Gorton
218	Higgins
219	Holt
220	Hotham
221	Indi
222	Isaacs
223	Jagajaga
224	Kooyong
225	La Trobe
226	Lalor
227	Mallee
228	Maribyrnong
229	McEwen
230	McMillan
231	Melbourne
232	Melbourne Ports
233	Menzies
234	Murray

235	Scullin
236	Wannon
237	Wills
299	Not Applicable (VIC)
301	Blair
302	Bonner
303	Bowman
304	Brisbane
305	Capricornia
306	Dawson
307	Dickson
308	Fadden
309	Fairfax
310	Fisher
311	Forde
312	Griffith
313	Groom
314	Herbert
315	Hinkler
316	Kennedy
317	Leichhardt
318	Lilley
319	Longman
320	Maranoa
321	McPherson
322	Moncrieff
323	Moreton
324	Oxley
325	Petrie
326	Rankin
327	Ryan
328	Wide Bay
399	Not Applicable (QLD)
401	Adelaide
402	Barker
403	Boothby
404	Grey
405	Hindmarsh
406	Kingston
407	Makin
408	Mayo
409	Port Adelaide
410	Sturt
411	Wakefield
499	Not Applicable (SA)
501	Brand
502	Canning
503	Cowan
504	Curtin
505	Forrest
506	Fremantle
507	Hasluck
508	Kalgoorlie
509	Moore
510	O'Connor
511	Pearce
512	Perth
513	Stirling
514	Swan
515	Tangney
599	Not Applicable (WA)
601	Bass
602	Braddon
603	Denison
604	Franklin
605	Lyons
699	Not Applicable (TAS)
701	Lingiari
702	Solomon

799	Not Applicable (NT)
801	Canberra
802	Fraser
899	Not Applicable (ACT)
999	Not Applicable

FTPT Status Code

01	Full Time
02	Part Time

Immunisation Certificate Status

C	Complete
I	Incomplete
N	Not Sighted

Indigenous Status

Reference: MCEECDYA Data Standards Manual 2010 - Indigenous status

http://www.mceecdya.edu.au/verve/_resources/Data_Standards_Manual_2010-Sec5-TechSpecs.pdf

1	Aboriginal but not Torres Strait Islander Origin
2	Torres Strait Islander but Not Aboriginal Origin
3	Both Torres Strait and Aboriginal Origin
4	Neither Aboriginal or Torres Strait Origin
9	Not Stated/Unknown

Language Type

1	Main Language Spoken at Home
2	Main Language Other Than English Spoken at Home,
3	First Language Spoken
4	Language Spoken at Home
5	Language of Greatest Competency
6	Preferred Language
9	Other

LearningStandardItem Relationship Types

Content	A link to another state or school content standard.
PD	Personal Development
State	A link to a standard from another state. The purpose of this is to express relationships between state standards.

Marital Status AIHW

MaritalStatus - AIHW

http://meteor.aihw.gov.au/content/index.phtml/itemId/291045

From Meteor – Australian Institute of Health and Welfare

1	Never Married
2	Widowed
3	Divorced
4	Separated
5	Married (registered and de facto)
6	Not stated/inadequately described

Name Usage Type

AKA	Also known as or alias
BTH	Name at Birth
LGL	Legal Name of the client as defined by the organisation which collects it (legal not defined in this standard)
MDN	Maiden Name
NEW	New born identification name
OTH	Non specific name usage type
PRF	Preferred name
PRV	Previous name
STG	Stage name
TRB	

	Tribal Name

Non-School Education

Reference: MCEECDYA Data Standards Manual 2010 - Parental non-school education

http://www.mceecdya.edu.au/verve/_resources/Data_Standards_Manual_2010-Sec5-TechSpecs.pdf

0	Not stated/Unknown
5	Certificate I to IV (including trade certificate)
6	Advanced diploma/Diploma
7	Bachelor degree or above
8	No non-school qualification

Operational Status

B	Building or Construction Started
C	Closed
O	Open
P	Pending
S	Site
U	Unstaffed

Permanent Resident Status

99	Unknown
N	Not a Resident
P	Permanent Resident
T	Temporary Resident

Picture Source

01	URL
02	JPG
03	Bitmap
04	Gif
05	PIF
06	PDF
09	Other
10	MIME

Program Funding Source Code

1	State/Jurisdiction
2	Commonwealth Initiative
3	School Source
4	Director's Discretion
5	Community Sponsored
9	Other

Progress Level

Above	Above level
At	At level
Below	Below level

Public School Catchment Status

1652	Resident of usual school catchment area
1653	Resident of another school catchment area
9999	Unknown

Relationship To Student

01	Parent
02	Step-Parent
03	Adoptive Parent
04	Foster Parent
05	Host Family
06	Relative

07	Friend
08	Self
09	Other
10	Sibling
11	Grandparent
12	Aunt/Uncle
13	Nephew/Niece
99	Not provided

Resource Usage Content Type

Set of the types of resource to be tracked by the ResourceUsage Object

01	Internet Usage
09	Other Usage

School Co-Ed Status

Sourced from DEEWR

C	Co-Educational
F	Female
M	Male

School Education Level Type

Reference: MCEECDYA Data Standards Manual 2010 - Parental school education

http://www.mceecdya.edu.au/verve/_resources/Data_Standards_Manual_2010-Sec5-TechSpecs.pdf

0	Not stated/Unknown
1	Year 9 or equivalent or below
2	Year 10 or equivalent
3	Year 11 or equivalent
4	Year 12 or equivalent

School Enrollment Type

01	Home School
02	Other School
03	Concurrent Enrolment

School Focus Code

01	Regular
02	Special Ed
03	Alternate
04	Vocational
98	Other
99	Not Provided

School Level

Camp	Camp
Commty	Community College
EarlyCh	Early Childhood
JunPri	Junior Primary
Kgarten	Kindergarten only
Kind	Preschool/Kindergarten
Lang	Language
MCH	Maternal Child Health Centre
Middle	Middle School
Other	Other
PreSch	PreSchool only
Pri/Sec	Primary/Seconday Combined
Prim	Primary
Sec	Secondary
Senior	Senior Secondary School
Special	Special
Specif	Specific Purpose
Supp	SupportCentre

Unknown	Unknown

School Location

1	Metropolitan Zone
1.1	State Capital regions - State Capitals (except Hobart, Darwin)
1.2	Major urban Statistical Districts (Pop >=100 000)
2	Provincial Zone
2.1.1	Provincial City Statistical Districts (Pop 50 000 - 99 999)
2.1.2	Provincial City Statistical Districts (Pop 25 000 - 49 999)
2.2.1	Inner Provincial areas (CD ARIA Plus score <= 2.4)
2.2.2	Outer Provincial areas (CD ARIA Plus score > 2.4 and <= 5.92)
3	Remote Zone
3.1	Remote areas (CD ARIA Plus score > 5.92 and <= 10.53)
3.2	Very Remote areas (CD ARIA Plus score > 10.53)

School Sector Code

Sourced from DEEWR

Gov	Government School
NG	Non-Government School

School System

Codes provided by DEEWR

0001	Catholic
0002	Anglican
0003	Lutheran
0004	Seventh Day Adventist
9999	Other

Session Type

0827	Full school year
0828	Semester
0829	Trimester
0830	Quarter
0832	Mini-term
0833	Summer term
0837	Twelve month
9999	Other

Sex Code

Reference: MCEECDYA Data Standards Manual 2010 - Technical Specs - Sex

http://www.mceecdya.edu.au/verve/_resources/Data_Standards_Manual_2010-Sec5-TechSpecs.pdf

1	Male
2	Female
9	Not Stated/Inadequately Described

Source Code Type

C	Provided by the child (ie pupil)
O	Other
P	Provided by the parent
S	Ascribed by the current school
T	Ascribed by a previous school

Staff Activity

Describes the Activity of a Staff Member in a StaffAssignment

Proposed by SIF AU for 1.1

1100	Teacher in school n.f.d.
1101	Primary Teacher
1102	Secondary teacher
1103	Principal

1104	Special School Teacher
1105	Assistant Principal
1106	Teacher Librarian
1199	Other Teacher In School
1200	Specialist support in school n.f.d.
1201	Nurse
1202	Physiotherapist
1203	Speech Therapist
1204	Guidance Officer
1205	Psychologist
1206	Social worker
1207	Student welfare worker
1208	Indigenous Education Worker
1299	Other Specialist support in school
1300	Administration and clerical in school n.f.d.
1301	Teacher Aide
1302	Librarian - in school Administration
1303	Office Manager
1304	Clerical/Administrative officer
1305	Clerical/Administrative assistant
1306	Laboratory assistant
1307	ICT Officer
1399	Other Administration and clerical in school
1400	Building in school n.f.d.
1401	Building maintenance worker - in school
1402	Gardener - in school
1403	Canteen assistant - in school
1404	Farm Worker - in school
1405	Bus Driver - in school
1406	Caretaker - in school
1499	Other Building Operations and general maintenance - In
1999	In School Staff out of scope
2100	Executive n.f.d.
2101	Chief Executive
2102	Deputy Chief Executive
2103	General Manager
2198	Prinicipal and other School Executive out of school
2199	Other Executive
2200	Specialist support out of scope n.f.d.
2201	Community Participation Officer
2202	Computer Support Officer
2203	Coordinator - out of school Specialist Support
2204	Curriculum Officer
2205	Curriculum Program Manager
2206	Education Officer - out of school Specialist Support
2207	Education Program Manager
2208	Home Liaison Officer
2209	Learning Support Leader
2210	Librarian - out of school Specialist Support
2211	Moderator
2212	Occupational Therapist
2213	On-line Education Officer
2214	Policy Officer - out of school Specialist Support
2215	Principal Education Officer
2216	Professional Services Officer
2217	Project Coordinator
2218	Registered Nurse
2219	Senior Education Officer
2220	Social Welfare Officer
2221	Speech Language Pathologist
2222	Sports Coordinator
2223	Staff Development Officer
2224	Training Officer - out of school Specialist Support
2298	Teachers - out of school Specialist Support
2299	Other specialist support out of school
2300	Administration and clerical out of school n.f.d.
2301	Accounts Certifying Officer
2302	Administrative and Clerical officer
2303	Administrative Assistant

2304	Administrative Officer
2305	Budget Officer
2306	Clerk
2307	Finance and Administration Officer
2308	Finance Officer
2309	General Ledger Officer
2310	Receptionist
2311	Senior Auditor
2312	Services Clerk
2313	Aboriginal Education Coordinator
2314	Aboriginal Education Worker
2315	Assistant Manager
2316	Client Services Officer
2317	Coordinator - out of school Administration
2318	District Officer
2319	Education Officer - out of school Administration
2320	Enrolment Officer
2321	Examiner
2322	Liaison Officer
2323	Librarian - out of school Administration
2324	Library Technician
2325	Manager
2326	Operational Services Officer
2327	Professional Officers
2328	Program Coordinator
2329	Project Manager
2330	Project Officer
2331	Project Support Officer
2332	Public Servant
2333	School Services Officer
2334	School Support Officer
2335	Senior Investigator
2336	Senior Professional Officers
2337	Senior Project Officer/Project Officer
2338	Student Services co ordinator
2339	Student Support Officer
2340	Assistant Editor
2341	Communications Officer
2342	Corporate Services Officer
2343	Designer
2344	Desktop Publisher
2345	Editor
2346	Graphic Designer
2347	Journalist/Media and Marketing
2348	Photographer
2349	Printer
2350	Production Officer/Coordinator
2351	Public Relations Officer
2352	Advisor
2353	Executive Assistant
2354	Executive Officer
2355	Executive Secretary
2356	Personal Assistant
2357	Secretary
2358	Human Resources Services Officer
2359	Personnel (and Payroll) Officer
2360	Personnel Officer
2361	Recruitment Officer
2362	Training Officer - out of school Administration
2363	Workers Compensation Officer
2364	Workforce Management Officer
2365	Audio Visual Communications Program Officer
2366	Business Systems Analyst
2367	Computer Systems Officer
2368	Computer Technician
2369	Data Management Officer
2370	Information Analyst
2371	Information Manager
2372	Information Officer

2373	Information Technology Officers
2374	Network Administrator
2375	Policy Officer n.f.d.
2376	Performance Measurement Officer
2377	Policy Officer - out of school Administration
2378	Research Officer
2379	Review Officer
2380	Senior Research Officer/Research Officer
2381	Other policy officer
2382	Despatch Officer
2383	Driver
2384	Facilities Services Officer
2385	Housing and Transport Officer
2386	Indexer
2387	Legal Officer
2388	Store Person
2389	Store Supervisor
2390	Supply Officer
2391	Team Leader
2392	Technical Officer - out of school Administration
2393	Technician
2394	Transport Officer
2397	Public service officers n.f.d.
2398	Teachers - Out of School Administration
2399	Other Administration and clerical out of school
2400	Building out of school n.f.d.
2401	Building maintenance worker - out of school
2402	Bus Driver - out of school
2403	Canteen assistant - out of school
2404	Caretaker - out of school
2405	Cook
2406	Courier
2407	Farm Worker - out of school
2408	Gardener - out of school
2409	Greenkeeper
2410	Groundsman
2411	Handyman
2412	House Officer
2413	Janitor
2414	Kitchen Hand
2415	Maintenance Officer
2416	School Attendant
2417	Security Officer
2418	Technical Officer - out of school Building Operations
2499	Other Building Operations and general maintenance out of school
2999	Out of School Staff out of scope

Staff Status

Set of possible values of Staff Staus with employing organisation.

A	Active
I	Inactive
O	On Leave

Standard Australian Classification of Countries (SACC)

1269.0 Standard Australian Classification of Countries, Second Edition, Revision 1, 2011

Source Data ABS: http://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/1269.02011

0000	Inadequately Described
0001	At Sea
0003	Not Stated
0911	Europe, nfd
0912	Former USSR, nfd
0913	Former Yugoslavia, nfd
0914	Former Czechoslovakia, nfd
0915	Kurdistan, nfd
0916	East Asia, nfd

0917	Asia, nfd
0918	Africa, nfd
0921	Serbia and Montenegro, nfd
0922	Channel Islands, nfd
0924	Netherlands Antilles, nfd
1000	Oceania and Antarctica, nfd
1100	Australia (includes External Territories), nfd
1101	Australia
1102	Norfolk Island
1199	Australian External Territories, nec
1201	New Zealand
1300	Melanesia, nfd
1301	New Caledonia
1302	Papua New Guinea
1303	Solomon Islands
1304	Vanuatu
1400	Micronesia, nfd
1401	Guam
1402	Kiribati
1403	Marshall Islands
1404	Micronesia, Federated States of
1405	Nauru
1406	Northern Mariana Islands
1407	Palau
1500	Polynesia (excludes Hawaii), nfd
1501	Cook Islands
1502	Fiji
1503	French Polynesia
1504	Niue
1505	Samoa
1506	Samoa, American
1507	Tokelau
1508	Tonga
1511	Tuvalu
1512	Wallis and Futuna
1513	Pitcairn Islands
1599	Polynesia (excludes Hawaii), nec
1600	Antarctica, nfd
1601	Adélie Land (France)
1602	Argentinian Antarctic Territory
1603	Australian Antarctic Territory
1604	British Antarctic Territory
1605	Chilean Antarctic Territory
1606	Queen Maud Land (Norway)
1607	Ross Dependency (New Zealand)
2000	North-West Europe, nfd
2100	United Kingdom, Channel Islands and Isle of Man, nfd
2102	England
2103	Isle of Man
2104	Northern Ireland
2105	Scotland
2106	Wales
2107	Guernsey
2108	Jersey
2201	Ireland
2300	Western Europe, nfd
2301	Austria
2302	Belgium
2303	France
2304	Germany
2305	Liechtenstein
2306	Luxembourg
2307	Monaco
2308	Netherlands
2311	Switzerland
2400	Northern Europe, nfd
2401	Denmark
2402	Faroe Islands
2403	Finland

2404	Greenland
2405	Iceland
2406	Norway
2407	Sweden
2408	Aland Islands
3000	Southern and Eastern Europe, nfd
3100	Southern Europe, nfd
3101	Andorra
3102	Gibraltar
3103	Holy See
3104	Italy
3105	Malta
3106	Portugal
3107	San Marino
3108	Spain
3200	South Eastern Europe, nfd
3201	Albania
3202	Bosnia and Herzegovina
3203	Bulgaria
3204	Croatia
3205	Cyprus
3206	Former Yugoslav Republic of Macedonia (FYROM)
3207	Greece
3208	Moldova
3211	Romania
3212	Slovenia
3214	Montenegro
3215	Serbia
3216	Kosovo
3300	Eastern Europe, nfd
3301	Belarus
3302	Czech Republic
3303	Estonia
3304	Hungary
3305	Latvia
3306	Lithuania
3307	Poland
3308	Russian Federation
3311	Slovakia
3312	Ukraine
4000	North Africa and the Middle East, nfd
4100	North Africa, nfd
4101	Algeria
4102	Egypt
4103	Libya
4104	Morocco
4105	Sudan
4106	Tunisia
4107	Western Sahara
4108	Spanish North Africa
4111	South Sudan
4200	Middle East, nfd
4201	Bahrain
4202	Gaza Strip and West Bank
4203	Iran
4204	Iraq
4205	Israel
4206	Jordan
4207	Kuwait
4208	Lebanon
4211	Oman
4212	Qatar
4213	Saudi Arabia
4214	Syria
4215	Turkey
4216	United Arab Emirates
4217	Yemen
5000	South-East Asia, nfd
5100	Mainland South-East Asia, nfd

5101	Burma (Myanmar)
5102	Cambodia
5103	Laos
5104	Thailand
5105	Vietnam
5200	Maritime South-East Asia, nfd
5201	Brunei Darussalam
5202	Indonesia
5203	Malaysia
5204	Philippines
5205	Singapore
5206	East Timor
6000	North-East Asia, nfd
6100	Chinese Asia (includes Mongolia), nfd
6101	China (excludes SARs and Taiwan)
6102	Hong Kong (SAR of China)
6103	Macau (SAR of China)
6104	Mongolia
6105	Taiwan
6200	Japan and the Koreas, nfd
6201	Japan
6202	Korea, Democratic People's Republic of (North)
6203	Korea, Republic of (South)
7000	Southern and Central Asia, nfd
7100	Southern Asia, nfd
7101	Bangladesh
7102	Bhutan
7103	India
7104	Maldives
7105	Nepal
7106	Pakistan
7107	Sri Lanka
7200	Central Asia, nfd
7201	Afghanistan
7202	Armenia
7203	Azerbaijan
7204	Georgia
7205	Kazakhstan
7206	Kyrgyzstan
7207	Tajikistan
7208	Turkmenistan
7211	Uzbekistan
8000	Americas, nfd
8100	Northern America, nfd
8101	Bermuda
8102	Canada
8103	St Pierre and Miquelon
8104	United States of America
8200	South America, nfd
8201	Argentina
8202	Bolivia
8203	Brazil
8204	Chile
8205	Colombia
8206	Ecuador
8207	Falkland Islands
8208	French Guiana
8211	Guyana
8212	Paraguay
8213	Peru
8214	Suriname
8215	Uruguay
8216	Venezuela
8299	South America, nec
8300	Central America, nfd
8301	Belize
8302	Costa Rica
8303	El Salvador
8304	Guatemala

8305	Honduras
8306	Mexico
8307	Nicaragua
8308	Panama
8400	Caribbean, nfd
8401	Anguilla
8402	Antigua and Barbuda
8403	Aruba
8404	Bahamas
8405	Barbados
8406	Cayman Islands
8407	Cuba
8408	Dominica
8411	Dominican Republic
8412	Grenada
8413	Guadeloupe
8414	Haiti
8415	Jamaica
8416	Martinique
8417	Montserrat
8421	Puerto Rico
8422	St Kitts and Nevis
8423	St Lucia
8424	St Vincent and the Grenadines
8425	Trinidad and Tobago
8426	Turks and Caicos Islands
8427	Virgin Islands, British
8428	Virgin Islands, United States
8431	St Barthelemy
8432	St Martin (French part)
8433	Bonaire, Sint Eustatius and Saba
8434	Curacao
8435	Sint Maarten (Dutch part)
9000	Sub-Saharan Africa, nfd
9100	Central and West Africa, nfd
9101	Benin
9102	Burkina Faso
9103	Cameroon
9104	Cape Verde
9105	Central African Republic
9106	Chad
9107	Congo
9108	Congo, Democratic Republic of
9111	Côte d'Ivoire
9112	Equatorial Guinea
9113	Gabon
9114	Gambia
9115	Ghana
9116	Guinea
9117	Guinea-Bissau
9118	Liberia
9121	Mali
9122	Mauritania
9123	Niger
9124	Nigeria
9125	Sao Tomé and Principe
9126	Senegal
9127	Sierra Leone
9128	Togo
9200	Southern and East Africa, nfd
9201	Angola
9202	Botswana
9203	Burundi
9204	Comoros
9205	Djibouti
9206	Eritrea
9207	Ethiopia
9208	Kenya
9211	Lesotho

9212	Madagascar
9213	Malawi
9214	Mauritius
9215	Mayotte
9216	Mozambique
9217	Namibia
9218	Réunion
9221	Rwanda
9222	St Helena
9223	Seychelles
9224	Somalia
9225	South Africa
9226	Swaziland
9227	Tanzania
9228	Uganda
9231	Zambia
9232	Zimbabwe
9299	Southern and East Africa, nec

State Territory Code

ACT	Australian Capital Teritory
NSW	New South Wales
NT	Northern Territory
QLD	Queensland
SA	South Australia
TAS	Tasmania
VIC	Victoria
WA	Western Australia
XXX	Not Provided

Student/Family Program Type

0100	Agricultural
0240	Regular prekindergarten program
0241	Infant and toddlers program
0242	Special education services for Birth-Age 2
0244	Special education services for preschoolers
0245	Migrant early childhood program
0246	Head Start
0247	Day care
0248	After school child care
0249	Alternative education program
0250	Before school child care
0251	Bilingual education
0252	Community service projects
0253	Compensatory education
0255	Counseling
0256	English as a second language
0257	Free and reduced price school meals programs
0260	Hearing or vision screening
0261	Higher order thinking skills
0262	Medical services
0263	Programs for migrants during the school year
0265	Programs for migrants during the summer
0267	Reading/literacy
0268	School supplies
0269	Services for out-of-school youth
0270	Special education program
0271	Special (one-time) events
0272	Student assistance programs such as counseling, mentoring, identification and referral
0273	Summer child care
0277	Transportation
0278	Tutoring/remedial instruction
0279	Academic/instructional program in regular education
0280	Adult basic education/remedial instruction
0281	Child care so that parents can attend school meetings
0282	Continuing professional education
0283	Health or social services

0284	Literacy
0285	Occupational education
0286	Orientation to school setting for new families
0287	Parent training/involvement
0288	Parenting education
0289	Recreational/advocational program
0342	Technology
0875	After school enrichment
0876	Before school enrichment
2381	Gifted and talented (Accelerated)
2389	Even Start
2393	Magnet program
9999	Other

Systemic Status

Codes provided by DEEWR

N	Non-Systemic
S	Systemic

Telephone Number Type

0096	Main telephone number
0350	Alternate telephone number
0359	Answering service
0370	Beeper number
0400	Appointment telephone number
0426	Telex number
0437	Telemail
0448	Voice mail
0478	Instant messaging number
0486	Media conferencing number
0777	Home Telephone Number
0779	Home Mobile
0887	Work Telephone Number
0888	Mobile
0889	Work Mobile
2364	Facsimile number

Visa Sub Class

From DIAC: Source data updated 24 August, 2011 - Refer to: http://www.immi.gov.au

10	Bridging Visa Class A
20	Bridging Visa Class B
30	Bridging Visa Class C
40	Bridging Visa (Prospective Applicant)
41	Bridging Visa (Non-Applicant)
42	Bridging Visa Class A
50	Bridging Visa (General)
51	Bridging Visa (Protection Visa Applicant)
60	Bridging Visa F
70	Removal Pending Bridging Visa
100	Spouse
101	Child
102	Adoption
103	Parent
104	Preferential family
105	Skilled - Australian Linked
106	Regional-linked
110	Interdependency
113	Aged Parent
114	Aged Dependent Relative
115	Remaining Relative
116	Carer
117	Orphan Relative
118	Designated Parent
119	Regional Sponsored Migration Scheme
120	Labour Agreement

121	Employer nomination
124	Distinguished talent
125	Distinguished talent and special service - independent
126	Independent
127	Business Owner (No longer issued)
128	Senior Executive (No longer issued)
129	State/Territory sponsored business owner (NLI)
130	State/Territory Sponsored Senior Executive (NLI)
131	Investment-linked (No longer issued)
132	Business Talent (No longer issued)
134	Skill Matching
135	State/Territory nominated independent
136	Skilled - Independent
137	Skilled - State/Territory nominated independent
138	Skilled - Australian sponsored
139	Skilled Designated Area-sponsored (No longer issued)
143	Contributory Parent
150	Former citizen
151	Former resident
152	Family of NZ citizen
154	Resident Return
155	Five year resident return
156	One Year Resident Return (No longer Issued)
157	Three month resident return
159	Provisional resident return
160	Business Owner (Provisional)
161	Senior Executive (Provisional)
162	Investor (Provisional)
163	State/Territory Sponsored Business Owner (Prov.)
164	State/Territory Sponsored Senior Executive (Prov.)
165	State/Territory Sponsored Investor (Provisional)
173	Contributory Parent (Temporary)
175	Skilled - independent
176	Skilled - sponsored
200	Refugee
201	In-country special humanitarian
202	Global special humanitarian
203	Emergency rescue
204	Woman at risk
205	Camp clearance
208	East Timorese in Portugal,Macau or Mozambique
209	Citizen of former Yugoslavia - displaced person
210	Minorities of former USSR
211	Burmese in Burma
212	Sudanese
213	Burmese in Thailand
214	Cambodian
215	Sri Lankan - special assistance
216	Ahmadi
217	Vietnamese
300	Prospective marriage
302	Emergency (Permanent Visa Applicant)
303	Emergency (Temporary Visa Applicant)
309	Spouse (provisional)
310	Interdependency (provisional)
405	Investment Retirement
406	Government Agreement
410	Retirement
411	Exchange
412	Independent Executive
413	Business Executive
414	Business Specialist
415	Foreign government agency
416	Special program
417	Working holiday
418	Educational
419	Visiting academic
420	Entertainment
421	Sport

422	Medical practitioner
423	Media and film staff
424	Public lecturer
425	Family relationship
426	Domestic worker - diplomatic or consular
427	Domestic worker - executive
428	Religious worker
430	Supported dependant
432	Expatriate
435	Sri Lankan
442	Occupational Trainee
443	Citizens of former Yugoslavia
444	Special Category
445	Dependent Child
446	Confirmatory (Temporary)
447	Secondary Movement Offshore Entry (Temporary)
448	Kosovar Safe Haven
449	Humanitarian Stay (Temporary)
450	Resolution of Status - Family member (Temporary)
451	Secondary Movement Relocation (Temporary)
456	Business - Short Stay
457	Business - long stay
459	Sponsored Business Visitor (short stay)
461	New Zealand Citizen Family Relationship
462	Work and Holiday
470	Professional Development
471	Trade Skills Training
475	Skilled Regional Sponsored
476	Skilled - Recognised Graduate
485	Skilled - Graduate
487	Skilled - Regional Sponsored
488	Superyacht Crew
495	Skilled Independent Regional (Temporary)
496	Skilled - Designated Area Sponsored (Provisional)
497	Graduate - Skilled
499	Olympic (Support) (No longer issued)
560	Student (No longer issued)
562	Iranian Postgraduate Student
563	Iranian Postgraduate Student Dependent
570	Student - ELICOS
571	Student - Schools
572	Student - VET
573	Student - Higher Education
574	Student - Masters & Doctorate
575	Student - Non-Award Foundation
576	Student - AusAID & Defence
580	Student Guardian Visa
651	eVisitor Visa
675	Medical treatment - short stay
676	Tourist - short stay
679	Sponsored Family Visitor (short stay)
685	Medical treatment - Long Stay
686	Tourist - Long Stay
695	Temporary Provisional - Pending return
771	Transit
773	Border
785	Temporary Protection
786	Temporary (Humanitarian Concern)
800	Territorial Asylum
801	Spouse
802	Child
804	Aged Parent
805	Skilled
806	Family
808	Confirmatory Residence
814	Interdependency
819	Aged Parent
820	Spouse
826	Interdependency

828	TEP Processing
831	Prospective marriage spouse
832	Close Ties
833	Certain unlawful non-citizens
834	Permanent resident of Norfolk Island
835	Remaining Relative
836	Carer
837	Orphan Relative
838	Aged Dependant Relative
840	Business Owner
841	Senior Executive
842	State/Territory sponsored business owner
843	State/Territory sponsored senior executive
844	Investment-linked
845	Established Business in Australia
846	State/Territory Sponsored Regional Established Busin
850	Resolution Status (Temporary)
851	Resolution of Status
852	Witness Protection
855	Labour Agreement
856	Employer Nomination Scheme
857	Regional Sponsored Migration Scheme
858	Distinguished Talent
859	Designated Parent
861	Skilled - Onshore Independent New Zealand Citizen
862	Skilled Australian-sponsored New Zealand Citizen
863	Skilled Designated Area-sponsored N. Zealand Citizen
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866	Protection
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881	Skilled - Australian-sponsored Overseas Student
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886	Skilled - Sponsored
887	Skilled - Regional
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891	Investor
892	State/Territory sponsored business owner
893	State/Territory sponsored senior executive
944	APEC Travel Authority
956	Electronic Travel Authority - Business - Long
976	Electronic Travel Authority - Visitor
977	Electronic Travel Authority - Business - Short
988	Maritime Crew
995	Diplomatic (Temporary)
998	Declaratory

Year Level Code

1	Year 1
2	Year 2
3	Year 3
4	Year 4
5	Year 5
6	Year 6
7	Year 7
8	Year 8
9	Year 9
10	Year 10
11	Year 11
12	Year 12
13	Year 13
K	Kindergarten
P	Prep
PS	Pre-School
UG	Ungraded

Yes Or No Category

N	No
U	Unknown
X	Not Provided
Y	Yes

Infrastructure

Status Code

0	Success (ZIS ONLY). SIF_Status/SIF_Data may contain additional data.
1	Immediate SIF_Ack (AGENT ONLY). Message is persisted or processing is complete. Discard the referenced message.
2	Intermediate SIF_Ack (AGENT ONLY). Only valid in response to SIF_Event delivery. Invokes Selective Message Blocking. The event referenced must still be persisted, and no other events must be delivered, until the agent sends a "Final" SIF_Ack at a later time.
3	Final SIF_Ack (AGENT ONLY). Sent (a SIF_Ack with this value is never returned by an agent in response to a delivered message) by an agent to the ZIS to end Selective Message Blocking. Discard the referenced event and allow for delivery of other events.
7	Already have a message with this SIF_MsgId from you.
8	Receiver is sleeping.
9	No messages available. This is returned when an agent is trying to pull messages from a ZIS and there are no messages available.

Error Category

The following table describes the functional areas where an error may occur in SIF. When a `SIF_Error` element is returned within a `SIF_Ack` message, the `SIF_Error/SIF_Category` element `MUST` contain one of the values from the table.

The next tables present the error codes that must be used when constructing a `SIF_Error` element. The value of `SIF_Error/SIF_Code` must come from these lists unless the functional category is `System` where error codes not defined in these tables can be included.

0	Unknown (This should NEVER be used if possible)
1	XML Validation
2	Encryption
3	Authentication
4	Access and Permissions
5	Registration
6	Provision
7	Subscription
8	Request and Response
9	Event Reporting and Processing
10	Transport
11	System (OS, Database, Vendor localized, etc.)
12	Generic Message Handling
13	SMB Handling
14	SIF Zone Service

XML Validation Error

1	Generic error
2	Message is not well-formed
3	Generic validation error
4	Invalid value for element/attribute
6	Missing mandatory element/attribute

Encryption Error

1	Generic error

Authentication Error

1	Generic error
2	Generic authentication error (with signature)
3	Missing sender's certificate
4	Invalid certificate
5	Sender's certificate is not trusted
6	Expired certificate
7	Invalid signature
8	Invalid encryption algorithm (only accepts MD4)
9	Missing public key of the receiver (when decrypting message)
10	Missing receiver's private key (when decrypting message)

Access and Permission Error

1	Generic error
2	No permission to register
3	No permission to provide this object
4	No permission to subscribe to this SIF_Event
5	No permission to request this object
6	No permission to respond to this object request
7	No permission to publish SIF_Event
8	No permission to administer policies
9	SIF_SourceId is not registered
10	No permission to publish SIF_Event Add
11	No permission to publish SIF_Event Change
12	No permission to publish SIF_Event Delete
13	No permission to publish indicated SIF_Notification
14	No permission to invoke SIF_ServiceInput to this Service
15	No permission to provide this Service

Registration Error

1	Generic error
2	The SIF_SourceId is invalid
3	Requested transport protocol is unsupported
4	Requested SIF_Version(s) not supported.
6	Requested SIF_MaxBufferSize is too small
7	ZIS requires a secure transport
9	Agent is registered for push mode (returned when a push-mode agent sends a SIF_GetMessage).
10	ZIS does not support the requested Accept-Encoding value.

Provision Error

1	Generic error
3	Invalid object
4	Object already has a provider (SIF_Provide message)

Subscription Error

1	Generic error
3	Invalid object

Request and Response Error

1	Generic error
3	Invalid object
4	No provider
7	Responder does not support requested SIF_Version
8	Responder does not support requested SIF_MaxBufferSize
9	Unsupported query in request
10	Invalid SIF_RequestMsgId specified in SIF_Response
11	SIF_Response is larger than requested SIF_MaxBufferSize
12	SIF_PacketNumber is invalid in SIF_Response
13	SIF_Response does not match any SIF_Version from SIF_Request
14	SIF_DestinationId does not match SIF_SourceId from SIF_Request
15	No support for SIF_ExtendedQuery
16	SIF_RequestMsgId deleted from cache due to timeout
17	SIF_RequestMsgId deleted from cache by administrator
18	SIF_Request cancelled by requesting agent
19	SIF_Request cancelled due to a SIF XML filter rule

Event Reporting and Processing Error

1	Generic error
3	Invalid event

Transport Error

1	Generic error
2	Requested protocol is not supported
3	Secure channel requested and no secure path exists
4	

	Unable to establish connection

System Error

1	Generic error

Generic Message Handling Error

1	Generic error
2	Message not supported
3	Version not supported
4	Context not supported
5	Protocol error
6	No such message (as identified by SIF_OriginalMsgId)
7	Multiple contexts not supported

SMB Error

1	Generic error
2	SMB can only be invoked during a SIF_Event acknowledgement
3	Final SIF_Ack expected from Push-Mode Agent
4	Incorrect SIF_MsgId in final SIF_Ack

SIF Zone Service Error

1	Generic error
2	Invalid service
3	No provider for service
4	Responder does not support requested SIF_Version
5	Responder does not support requested SIF_MaxBufferSize
6	Operation not supported
7	Argument not valid
8	Invalid SIF_ServiceMsgId specified in SIF_ServiceOutput
9	SIF_ServiceOutput is larger than requested SIF_MaxBufferSize
10	SIF_PacketNumber is invalid
11	SIF_ServiceOutput does not match any SIF_Version from SIF_ServiceInput
12	SIF_DestinationId does not match SIF_SourceId from SIF_ServiceInput
13	SIF_ServiceMsgId deleted from cache due to timeout
14	SIF_ServiceMsgId deleted from cache by administrator
15	SIF_ServiceInput cancelled by requesting agent
16	ACL permission denied
17	Not a provider for this service
18	Service or Operation failed

SIF_LogEntry

Agent Error Condition

1	An exception has occurred in the agent (generic error)

Data Issues with Failure Result

1	Insufficient information in message
2	Cannot process change due to business rule
3	Related information unavailable

Data Issues with Success Result

1	Data was changed to complete request successfully
2	Data was added to complete request successfully

Success Category

1	Success

ZIS Error Condition

1	An exception has occurred in the ZIS (generic error)
2	Message could not be delivered due to buffer size limitations
3	Message could not be delivered due to minimum security requirements
4	

	Message could not be delivered due to destination agent not supporting SIF_Version
5	Message could not be delivered due to SIF_Response validation

Appendix C: External Code Sets

All code sets defined by external bodies and referenced within SIF are included here for reference. The left column in each table contains the individual code values that are used in SIF elements and attributes that reference these code sets. These sets of code values are closed and normative for a given version of this specification. Including codes not provided here in corresponding SIF elements and attributes can lead to XML validation errors in installations where the zone integration server or any agent is validating XML messages; the SIF data model allows for locally-defined codes, where deemed appropriate, in the `OtherCodeList` element. The right column of each table may provide a textual equivalent or description of the corresponding code, and is provided for informational purposes only. The referenced sources for these code sets serve as the authorities for all descriptions and semantics, and for the definition and maintenance of the code set values themselves. In each release of this specification the SIF Association endeavors to synchronize referenced code sets with updates from external sources.

International Standards Organization (ISO)

4217 Currency names and code elements

AED	UAE Dirham
AFN	Afghani
ALL	Lek
AMD	Armenian Dram
ANG	Netherlands Antillian Guikder
AOA	Kwanza
ARS	Argentine Peso
AUD	Australian Dollar
AWG	Aruban Guilder
AZN	Azerbaijanian Manat
BAM	Convertible Marks
BBD	Barbados Dollar
BDT	Taka
BGN	Bulgarian Lev
BHD	Bahraini Dinar
BIF	Burundi Franc
BMD	Bermudian Dollar (customarily known as Bermuda Dollar)
BND	Brunei Dollar
BOB	Boliviano
BOV	Mvdol
BRL	Brazilian Real
BSD	Bahamian Dollar
BTN	Ngultrum
BWP	Pula
BYR	Belarussian Ruble
BZD	Belize Dollar
CAD	Canadian Dollar
CDF	Franc Congolais
CHE	WIR Euro
CHF	Swiss Franc
CHW	WIR Franc
CLF	Unidades de formento
CLP	Chilean Peso
CNY	Yuan Renminbi
COP	Colombian Peso
COU	Unidad de Valor Real
CRC	Costa Rican Colon
CSD	Serbian Dinar
CUP	Cuban Peso
CVE	Cape Verde Escudo
CYP	Cyprus Pound
CZK	Czech Koruna
DJF	Djibouti Franc
DKK	Danish Krone
DOP	Dominican Peso
DZD	Algerian Dinar
EEK	Kroon
EGP	Egyptian Pound
ERN	Nakfa
ETB	Ethiopian Birr
EUR	Euro
FJD	Fiji Dollar
FKP	Falkland Islands Pound
GBP	Pound Sterling
GEL	Lari
GHC	

	Cedi
GIP	Gibraltar Pound
GMD	Dalasi
GNF	Guinea Franc
GTQ	Quetzal
GWP	Guinea-Bissau Peso
GYD	Guyana Dollar
HKD	Hong Kong Dollar
HNL	Lempira
HRK	Croatian Kuna
HTG	Gourde
HUF	Forint
IDR	Rupiah
ILS	New Israeli Sheqel
INR	Indian Rupee
IQD	Iraqi Dinar
IRR	Iranian Rial
ISK	Iceland Krona
JMD	Jamaican Dollar
JOD	Jordanian Dinar
JPY	Yen
KES	Kenyan Shilling
KGS	Som
KHR	Riel
KMF	Comoro Franc
KPW	North Korean Won
KRW	Won
KWD	Kuwaiti Dinar
KYD	Cayman Islands Dollar
KZT	Tenge
LAK	Kip
LBP	Lebanese Pound
LKR	Sri Lanka Rupee
LRD	Liberian Dollar
LSL	Loti
LTL	Lithuanian Litas
LVL	Latvian Lats
LYD	Libyan Dinar
MAD	Moroccan Dirham
MDL	Moldovan Leu
MGA	Malagascy Ariary
MKD	Denar
MMK	Kyat
MNT	Tugrik
MOP	Pataca
MRO	Ouguiya
MTL	Maltese Lira
MUR	Mauritius Rupee
MVR	Rufiyaa
MWK	Kwacha
MXN	Mexican Peso
MXV	Mexican Unidad de Inversion (UID)
MYR	Malaysian Ringgit
MZN	Metical
NAD	Namibian Dollar
NGN	Naira
NIO	Cordoba Oro
NOK	Norwegian Krone
NPR	Nepalese Rupee
NZD	New Zealand Dollar
OMR	Rial Omani
PAB	Balboa
PEN	Nuevo Sol
PGK	Kina
PHP	Philippine Peso
PKR	Pakistan Rupee
PLN	Zloty
PYG	Guarani
QAR	Qatari Rial

ROL	Old Leu
RON	New Leu
RUB	Russian Ruble
RWF	Rwanda Franc
SAR	Saudi Riyal
SBD	Solomon Islands Dollar
SCR	Seychelles Rupee
SDD	Sudanese Dinar
SEK	Swedish Krona
SGD	Singapore Dollar
SHP	Saint Helena Pound
SIT	Tolar
SKK	Slovak Koruna
SLL	Leone
SOS	Somali Shilling
SRD	Surinam Dollar
STD	Dobra
SVC	El Salvador Colon
SYP	Syrian Pound
SZL	Lilangeni
THB	Baht
TJS	Somoni
TMM	Manat
TND	Tunisian Dinar
TOP	Pa'anga
TRY	New Turkish Lira
TTD	Trinidad and Tobago Dollar
TWD	New Taiwan Dollar
TZS	Tanzanian Shilling
UAH	Hryvnia
UGX	Uganda Shilling
USD	US Dollar
USN	US Dollar (Next day)
USS	US Dollar (Same day)
UYU	Peso Uruguayo
UZS	Uzbekistan Sum
VEB	Bolivar
VND	Dong
VUV	Vatu
WST	Tala
XAF	CFA Franc BEAC
XAG	Silver
XAU	Gold
XBA	Bond Markets Units European Composite Unit (EURCO)
XBB	European Monetary Unit (E.M.U.-6)
XBC	European Unit of Account 9 (E.U.A.-9)
XBD	European Unit of Account 17 (E.U.A.-17)
XCD	East Caribbean Dollar
XDR	SDR
XFO	Gold-Franc
XFU	UIC-Franc
XOF	CFA Franc BCEAO
XPD	Palladium
XPF	CFP Franc
XPT	Platinum
XTS	Code specifically reserved for testing purposes
XXX	Code assigned for transactions where no currency is involved
YER	Yemeni Rial
ZAR	Rand
ZMK	Kwacha
ZWN	Zimbabwe Dollar

Appendix D: 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.

- DSWG_1.2_ChangeProposal_ParentBackground_v1.0.doc (7/09/2011)
- DSWG_V1.2_ChangeProposal_PersonInfo_v1.0.doc (7/09/2011)
- DSWG_V1.2_ChangeProposal_ResourceUsage_v1.2.doc (13/10/2011)
- DSWG_V1.2_ChangeProposal_StaffAssignment_v1.0.doc (6/09/2011)
- DSWG_V1.2_ChangeProposal_StaffPersonal_v1.0.doc (6/09/2011)
- DSWG_V1.2_ChangeProposal_StudentContactRelationship_v1.0.doc (6/09/2011)
- DSWG_V1.2_ChangeProposal_StudentSchoolEnrolment_v1.0.doc (6/09/2011)
- DSWG_V1.2_ChangeProposal_StudentSTDN_v1.1.doc (21/10/2011)
- DSWG_V1.2_ChangeProposal_TeachingGroup_v1.0.doc (6/09/2011)
- DSWG_V1.2_ChangeProposal_TimetableCell_v1.0.doc (6/09/2011)
- Highlighted Additions and Changes 1.2.docx (19/10/2011)
- SIS Baseline Profile 1.2.docx (5/09/2011)

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