

Special Education Data Model (SEDM) in CEDS

A Giant Leap Towards Modern Data Architecture

SESSION PRESENTERS



Greg Nadeau

BD Manager
PCG



June Gerred

ED, Data & IS
OK SDE



Kathy Warren

ME DOE



Bill Huennekens

AEM

+ TQ2

Run of Show

10:25AM – Start

1. Greg presents SEDM
2. June responds from OK's perspective
3. Kathy responds from ME's perspective
4. Bill responds provides a national perspective
5. Audience Participation
6. Next Steps

11:15AM - End

Why focus on Special Education?

IDEA passed in 1975, four years before USED was created, and may outlive USED in its current form.

Special education is big enough to be significant without boiling the ocean.

The data structures needed to manage special education data create most all core relationships needed for general education and establish a clear need for state-led Common Education Data Standards (CEDS) and State Longitudinal Data Systems.

AEM and PCG combine strong national leadership in education data standards and deep focus on special education.

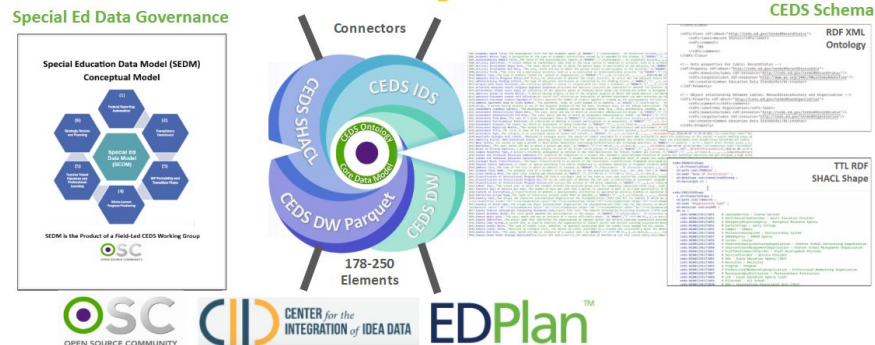
SEDM is a data model

The Special Education Data Model (SEDM) is a public domain data model inside of CEDS, built on shared IDEA requirements. SEDM enables more effective governance of modern data architecture by providing requirement logic as computationally actionable CEDS Schema RDF XML and TTL RDF code. States and providers can use it to modernize their data architecture by creating a universal data conformance layer for common special ed data on which universal connectors to data standards and value added services can be built.

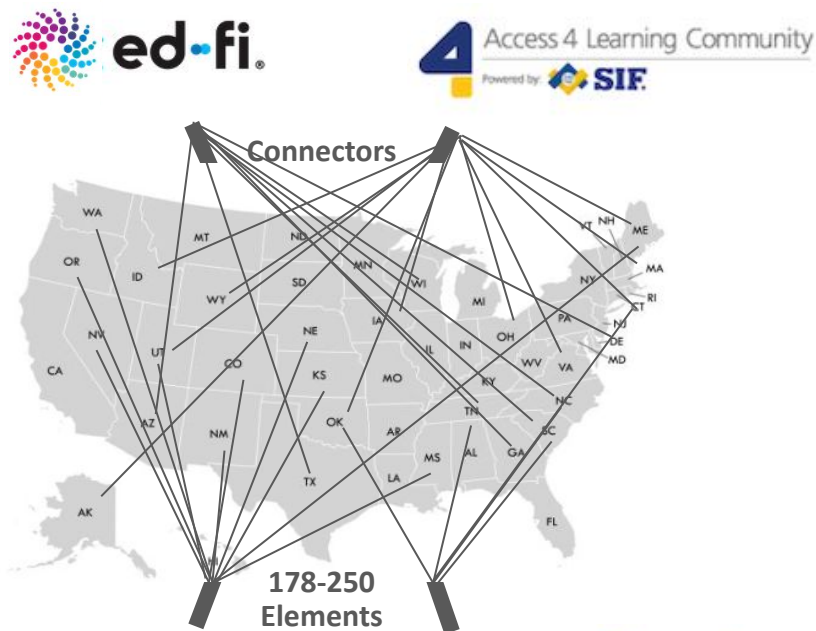
SEDM was initiated by PCG, Ed Analytics (EA), and AEM and proposed by Ed3 and Data Standards United (DSU) as the 1st official community-Led CEDS WG. SEDM consists of three artifacts:

- This **conceptual model Doc**
- A **logical model** set of lists in **Sheets**
- A **physical model** expressed as a JSON schema in RDF XML

When complete this summer, SEDM will be proposed by the community to become part of CEDS and become the standard special ed data model of USED and participating states.

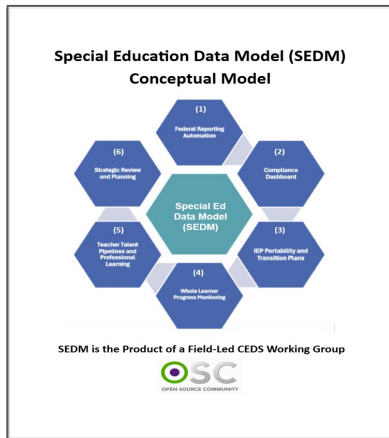


SEDM in CEDS Replaces Many-to-Many Connectors

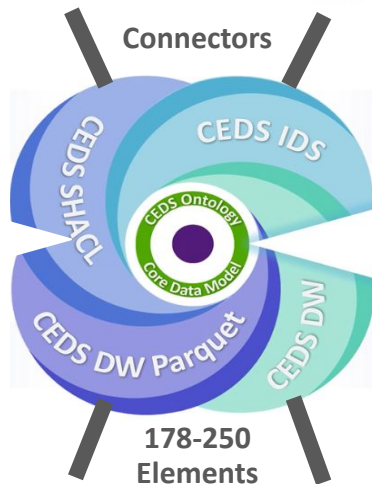


SEDM in CEDS Provides Universal Hub and Spokes

Special Ed Data Governance



CEDS Schema



```

<?xml:lang="en">
<rdf:Class rdf:about="http://ceds.ed.gov/terms#RecordStatus">
  <rdf:label>Record Status</rdf:label>
  <rdf:comment>
    RDS
  </rdf:comment>
</rdf:Class>

<!-- Data properties for table: RecordStatus -->
<rdf:Property rdf:about="http://ceds.ed.gov/terms#RecordStatus">
  <rdf:domainIncludes rdf:resource="http://ceds.ed.gov/terms#RecordStatus"/>
  <rdf:rangeIncludes rdf:resource="http://www.w3.org/2001/XMLSchema#integer"/>
</rdf:Property>

<!-- Object relationship between tables: RecordStatus and Organization -->
<rdf:Property rdf:about="http://ceds.ed.gov/terms#Organization">
  <rdf:comment>Organization</rdf:comment>
  <rdf:label>Organization</rdf:label>
  <rdf:domainIncludes rdf:resource="http://ceds.ed.gov/terms#RecordStatus"/>
  <rdf:rangeIncludes rdf:resource="http://ceds.ed.gov/terms#Organization"/>
  <rdf:creator>Common Education Data Standards</rdf:creator>
</rdf:Property>

<!-- Data properties for table: RecordStatus -->
<rdf:Property rdf:about="http://ceds.ed.gov/terms#RecordStatus">
  <rdf:domainIncludes rdf:resource="http://ceds.ed.gov/terms#RecordStatus"/>
  <rdf:rangeIncludes rdf:resource="http://www.w3.org/2001/XMLSchema#integer"/>
</rdf:Property>

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  <rdf:domainIncludes rdf:resource="http://ceds.ed.gov/terms#RecordStatus"/>
  <rdf:rangeIncludes rdf:resource="http://www.w3.org/2001/XMLSchema#integer"/>
</rdf:Property>
  
```

RDF XML Ontology

```

@prefix sh: <http://www.w3.org/ns/shacl#> .
@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .
@prefix rdfs: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix ceds: <http://ceds.ed.gov/terms#> .

ceds:RecordStatus rdfs:label "Record Status" .
ceds:RecordStatus rdfs:comment "RDS" .

ceds:RecordStatus sh:domain ceds:RecordStatus .
ceds:RecordStatus sh:range xsd:integer .

ceds:RecordStatus sh:property ceds:RecordStatus .
  
```

TTL RDF SHACL Shape

```

@prefix sh: <http://www.w3.org/ns/shacl#> .
@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .
@prefix rdfs: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix ceds: <http://ceds.ed.gov/terms#> .

ceds:RecordStatus rdfs:label "Record Status" .
ceds:RecordStatus rdfs:comment "RDS" .

ceds:RecordStatus sh:domain ceds:RecordStatus .
ceds:RecordStatus sh:range xsd:integer .

ceds:RecordStatus sh:property ceds:RecordStatus .
  
```



Special Ed Data Governance



1. **Introduction**

2. **Background**

3. **Methodology**

4. **Results**

5. **Discussion**

6. **Conclusion**

7. **References**

8. **Appendix**

9. **Index**

10. **Table of Contents**

11. **Figure 1**

12. **Figure 2**

13. **Figure 3**

14. **Figure 4**

15. **Figure 5**

16. **Figure 6**

17. **Figure 7**

18. **Figure 8**

19. **Figure 9**

20. **Figure 10**

21. **Figure 11**

22. **Figure 12**

23. **Figure 13**

24. **Figure 14**

25. **Figure 15**

26. **Figure 16**

27. **Figure 17**

28. **Figure 18**

29. **Figure 19**

30. **Figure 20**

31. **Figure 21**

32. **Figure 22**

33. **Figure 23**

34. **Figure 24**

35. **Figure 25**

36. **Figure 26**

37. **Figure 27**

38. **Figure 28**

39. **Figure 29**

40. **Figure 30**

41. **Figure 31**

42. **Figure 32**

43. **Figure 33**

44. **Figure 34**

45. **Figure 35**

46. **Figure 36**

47. **Figure 37**

48. **Figure 38**

49. **Figure 39**

50. **Figure 40**

51. **Figure 41**

52. **Figure 42**

53. **Figure 43**

54. **Figure 44**

55. **Figure 45**

56. **Figure 46**

57. **Figure 47**

58. **Figure 48**

59. **Figure 49**

60. **Figure 50**

61. **Figure 51**

62. **Figure 52**

63. **Figure 53**

64. **Figure 54**

65. **Figure 55**

66. **Figure 56**

67. **Figure 57**

68. **Figure 58**

69. **Figure 59**

70. **Figure 60**

71. **Figure 61**

72. **Figure 62**

73. **Figure 63**

74. **Figure 64**

75. **Figure 65**

76. **Figure 66**

77. **Figure 67**

78. **Figure 68**

79. **Figure 69**

80. **Figure 70**

81. **Figure 71**

82. **Figure 72**

83. **Figure 73**

84. **Figure 74**

85. **Figure 75**

86. **Figure 76**

87. **Figure 77**

88. **Figure 78**

89. **Figure 79**

90. **Figure 80**

91. **Figure 81**

92. **Figure 82**

93. **Figure 83**

94. **Figure 84**

95. **Figure 85**

96. **Figure 86**

97. **Figure 87**

98. **Figure 88**

99. **Figure 89**

100. **Figure 90**

101. **Figure 91**

102. **Figure 92**

103. **Figure 93**

104. **Figure 94**

105. **Figure 95**

106. **Figure 96**

107. **Figure 97**

108. **Figure 98**

109. **Figure 99**

110. **Figure 100**

111. **Figure 101**

112. **Figure 102**

113. **Figure 103**

114. **Figure 104**

115. **Figure 105**

116. **Figure 106**

117. **Figure 107**

118. **Figure 108**

119. **Figure 109**

120. **Figure 110**

121. **Figure 111**

122. **Figure 112**

123. **Figure 113**

124. **Figure 114**

125. **Figure 115**

126. **Figure 116**

127. **Figure 117**

128. **Figure 118**

129. **Figure 119**

130. **Figure 120**

131. **Figure 121**

132. **Figure 122**

133. **Figure 123**

134. **Figure 124**

135. **Figure 125**

136. **Figure 126**

137. **Figure 127**

138. **Figure 128**

139. **Figure 129**

140. **Figure 130**

141. **Figure 131**

142. **Figure 132**

143. **Figure 133**

144. **Figure 134**

145. **Figure 135**

146. **Figure 136**

147. **Figure 137**

148. **Figure 138**

149. **Figure 139**

150. **Figure 140**

151. **Figure 141**

152. **Figure 142**

153. **Figure 143**

154. **Figure 144**

155. **Figure 145**

156. **Figure 146**

157. **Figure 147**

158. **Figure 148**

159. **Figure 149**

160. **Figure 150**

161. **Figure 151**

162. **Figure 152**

163. **Figure 153**

164. **Figure 154**

165. **Figure 155**

166. **Figure 156**

167. **Figure 157**

168. **Figure 158**

169. **Figure 159**

170. **Figure 160**

171. **Figure 161**

172. **Figure 162**

173. **Figure 163**

174. **Figure 164**

175. **Figure 165**

176. **Figure 166**

177. **Figure 167**

178. **Figure 168**

179. **Figure 169**

180. **Figure 170**

181. **Figure 171**

182. **Figure 172**

183. **Figure 173**

184. **Figure 174**

185. **Figure 175**

186. **Figure 176**

187. **Figure 177**

188. **Figure 178**

189. **Figure 179**

190. **Figure 180**

191. **Figure 181**

192. **Figure 182**

193. **Figure 183**

194. **Figure 184**

195. **Figure 185**

196. **Figure 186**

197. **Figure 187**

198. **Figure 188**

199. **Figure 189**

200. **Figure 190**

201. **Figure 191**

202. **Figure 192**

203. **Figure 193**

204. **Figure 194**

205. **Figure 195**

206. **Figure 196**

207. **Figure 197**

208. **Figure 198**

209. **Figure 199**

210. **Figure 200**

211. **Figure 201**

212. **Figure 202**

213. **Figure 203**

214. **Figure 204**

215. **Figure 205**

216. **Figure 206**

217. **Figure 207**

218. **Figure 208**

219. **Figure 209**

220. **Figure 210**

221. **Figure 211**

222. **Figure 212**

223. **Figure 213**

224. **Figure 214**

225. **Figure 215**

226. **Figure 216**

227. **Figure 217**

228. **Figure 218**

229. **Figure 219**

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graph TD
    A[Graphical User Interface] --> B[Querying RDF Data]
    B --> C[RDF Query Language (SPARQL)]
    C --> D[RDF Schema (RDFS)]
    D --> E[Ontology Development
```

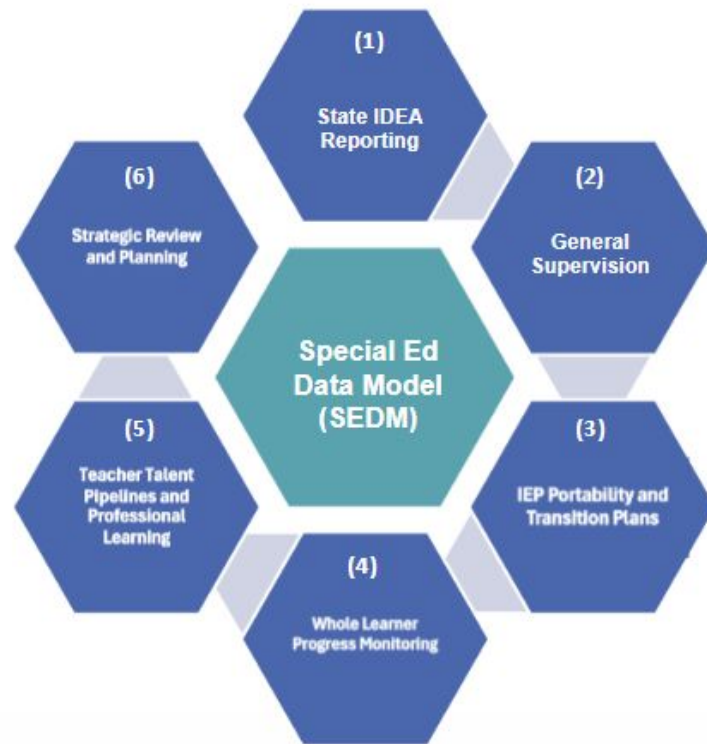
TTL RDF
SHACL Shape

SEDM @Ed3

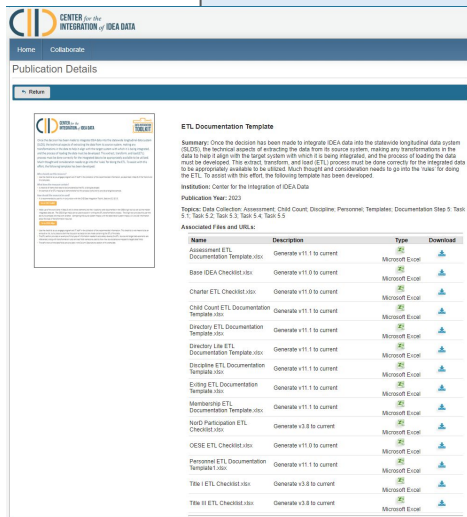
CC BY 4.0

SEDM Maps to 6 Business Drivers

SEDM is built with maps to six special education business drivers that benefit from data integration across systems



1. State IDEA Reporting: CIID ETL Specs



K12 -> LEA -> Identification

Local Education Agency Identifier

A unique number or alphanumeric code assigned to a local education agency by a school system, a state, or other agency or entity.

Alphanumeric 40 characters maximum

School Identifier

A unique number or alphanumeric code assigned to an institution by a school, school system, a state, or other agency or entity.

Alphanumeric 40 characters maximum

Student Identifier

A unique number or alphanumeric code assigned to a student by a school, school system, a state, or other agency or entity.

Alphanumeric 40 characters maximum

Sex

The concept describing the biological traits that distinguish the males and females of a species.

Male

Male

Sex

The concept describing the biological traits that distinguish the males and females of a species.

Female

Female

Sex

The concept describing the biological traits that distinguish the males and females of a species.

NotSelected

Not Selected

K12 -> Calendar -> Session

School Year

The year for a reported school session. For academic years that span a calendar year this is the four digit year-end. E.g. 2013 for 2012-2013

Integer 4

1. SEDM State Reporting: 178 “Golden Elements”

178 CEDS elements cover 14 CIID ETL which support 56 of 83 EdFacts files and 8 of 18 IDEA Indicators

Domain	Entity	Category	Element Name	Definition	Option Set	Format	Global ID	Data Model ID	Assessment ETL	Base IDEA ETL	Charter ETL	Child Count ETL	Directory ETL	Directory Lite ETL	Discipline ETL	Enrollment ETL	Membership ETL	Non-Participation ETL	CESE ETL	Personnel ETL	Title I ETL	Title III ETL	In any ETL template?
K12	K12 Student	Identity>Identifier	Student Identifier	A unique number or alphanumeric	None	Alphanumeric - 40 cha	001071	59775	Y	Y		Y			Y	Y	Y	Y			Y	Y	Y
K12	K12 Student	Demographic	Birthdate	The year, month and day on which	None	YYYY-MM-DD	000033	58995							Y	Y	Y	Y			Y	Y	Y
K12	K12 Student	Demographic	Sex	The concept describing the	Male - Male		000255	59811	Y	Y		Y			Y	Y	Y	Y					Y
K12	K12 Student	Demographic	American Indian or Alaska Nat	A person having origins in any of	Yes - Yes		000016	59907															Y
K12	K12 Student	Demographic	Asian	A person having origins in any of	Yes - Yes		000020	59908															Y
K12	K12 Student	Demographic	Black or African American	A person having origins in any of	Yes - Yes		000034	59909															Y
K12	K12 Student	Demographic	Native Hawaiian or Other Pacifi	A person having origins in any of	Yes - Yes		000192	59910															Y
K12	K12 Student	Demographic	White	A person having origins in any of	Yes - Yes		000301	59911															Y
K12	K12 Student	Demographic	Demographic Race Two or Mo	A person having origins in any of	Yes		000973	59425															Y
K12	K12 Student	Demographic	Hispanic or Latino Ethnicity	An indication that the person	Yes - Yes		000144	59765	Y	Y		Y			Y	Y	Y	Y	Y		Y	Y	Y
K12	K12 Student	Demographic	Military Connected Student In	An indication that the student's	NotMilitaryC		001576	61933	Y														Y
K12	K12 Student	Demographic	Race	The origins of a person.	AmericanIndi		001943	63548	Y	Y		Y			Y	Y	Y	Y			Y	Y	Y
K12	K12 Student	Enrollment	Responsible District Identifier	The district responsible for specific	None	Alphanumeric - 40 cha	000637	59905									Y		Y		Y	Y	Y
K12	K12 Student	Enrollment	Responsible School Identifier	The school responsible for specific	None	Alphanumeric - 40 cha	000638	59906									Y		Y		Y	Y	Y
K12	K12 Student	Enrollment	Enrollment Entry Date	The month, day, and year on which	None	YYYY-MM-DD	000097	59747	Y			Y			Y	Y	Y	Y					Y
K12	K12 Student	Enrollment	Entry Grade Level	The grade level or primary	IT -		000100	59749				Y					Y	Y	Y		Y		Y
K12	K12 Student	Enrollment	Enrollment Exit Date	The year, month and day on which	None	YYYY-MM-DD	000107	59750	Y			Y				Y	Y	Y	Y			Y	Y
K12	K12 Student	Attendance	Number of Days in Attendance	The number of days a person is	None	Numeric - up to 2 digit	000202	59796												Y			Y
K12	K12 Student	Attendance	Number of Days Absent	The number of days a person is	None	Numeric - up to 2 digit	000201	59795												Y			Y
K12	K12 Student	Attendance	Student Attendance Rate	The number of school days during	None	Numeric - between 0	000271	59816												Y			Y
K12	K12 Student	Academic Record	Progress Level	The amount of progress shown in	NEGRADE -		000561	59874									Y						Y
K12	K12 Student	Disability	IDEA Indicator	A person having intellectual	Yes		000151	59771	Y	Y		Y			Y	Y	Y	Y		Y	Y	Y	Y
K12	K12 Student	Disability	Disability Status	An indication of whether a person	Yes		000577	59884												Y			Y
K12	K12 Student	Disability	Section 504 Status	Individuals with disabilities who are	Yes		000249	59810												Y			Y
K12	K12 Student	Disability	Primary Disability Type	The major or overriding disability	AUT - Autism		000218	59800		Y		Y			Y								Y
K12	K12 Student	Disability	IDEA Educational Environment	The setting in which children ages 6	RC80 - Inside		000535	59864				Y			Y								Y
K12	K12 Student	IDEA	Program Participation Start Date	The year, month and day on which	None	YYYY-MM-DD	000590	59995	Y	Y		Y				Y							Y
K12	K12 Student	IDEA	Program Participation Exit Date	The year, month and day on which	None	YYYY-MM-DD	000591	59996	Y	Y		Y			Y	Y							Y
K12	K12 Student	IDEA	Special Education Exit Reason	The reason children who were in	HighSchoolDi		000260	59812									Y						Y
K12	K12 Student	Title I	Title I Indicator	An indication that the student is	O1 - Public		000281	59821													Y		Y
K12	K12 Student	Discipline	Disciplinary Action Taken	Identifies the consequences of an	O3071 - Bus		000488	59855							Y								Y
K12	K12 Student	Discipline	Disciplinary Action Start Date	The year, month and day on which	None	YYYY-MM-DD	000083	59739							Y								Y

2. IDEA General Supervision Compliance Categories

The Special Education Data Model (SEDM) compliance control framework uses 16 standard categories to enable logical sequential taxonomy to map IDEA statute, regulation, and official guidance requirements.

- 1-Identification
- 2-Initial Referral
- 3-IEP Team Meeting and Eligibility Determination
- 4-Individual Education Plans
- 5-Services/Programming
- 6-Discipline
- 7-Progress Monitoring
- 8-Academic Performance
- 9-Issue Resolution
- 10-Annual Review
- 11-Transition Planning
- 12-Completion
- 13-Staffing
- 14-Facilities
- 15-Financial
- 16-Oversight

2. IDEA General Supervision Compliance Categories

SEDM provides a rigorous analysis of IDEA compliance control data

SEDM Compliance Category	Compliance Control	Data Needed
1-Identification	Indicator 9 compares the races/ethnicities of students with disabilities to the races/ethnicities of students without disabilities in a school district. Indicator 10 looks at different disability categories in a school district. Within each category, Indicator 10 will then compare the races/ethnicities of students.	Race/Ethnicity IDEA Indicator Primary Disability Type
2-Initial Referral	Indicator 11 measures the percent of students who received an initial evaluation for special education within 60 days of a parent giving consent.	Parental Consent for Evaluation Given Evaluation Complete
3-IEP Team Meeting and Eligibility Determination	34 CFR § 300.323 requires (c) Each public agency must ensure that—(1) A meeting to develop an IEP for a child is conducted within 30 days of a determination that the child needs special education and related services; and	Specific Disability Eligibility Determination Parental Consent for Implementing IEP Given/Declined Parental Consent for Implementing IEP Given Parental Consent for Implementing IEP Decline
5-Services/Programming	Indicator 5 identifies the locations where students with disabilities (ages 6–21) are receiving their special education services.	Educational Environment
6-Discipline	Indicator 4 looks at incidents of discipline in excess of 10 days among students with disabilities across different races/ethnicities.	Incident Removed from Least Restrictive Environment Manifestation Determination
8-Academic Performance	Indicator 3 calculates the number of students with disabilities that completed the statewide achievement test and gives information regarding their results.	State Assessment
9-Issue Resolution	Indicator 15 measures the percent of problems that are solved through resolution sessions. Indicator 16 measures the percent of problems that are solved through mediation.	Parent Complaint (SEA/LEA) Written Decision (SEA/LEA) Action Taken
10-Annual Review	§1414(d)(4)(A) The local educational agency shall ensure that, subject to subparagraph (B), the IEP Team— (i) reviews the child's IEP periodically, but not less frequently than annually.	IEP Review Due IEP Review Complete

<date-time>

<description>

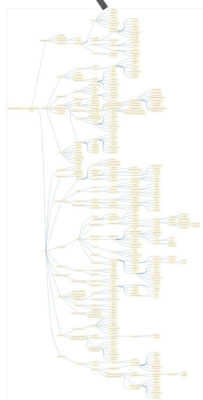
<milestone type>

1. Parental Consent for Evaluation Given
2. Evaluation Complete
3. Specific Disability Eligibility Determination
4. IEP Team Initially Convened
5. Parental Consent for Implementing IEP Given
6. Parental Consent for Implementing IEP Decline
7. Service Begins
8. Incident
9. Removed from Least Restrictive Environment
10. Manifestation Determination
11. Parent Complaint (SEA/LEA)
12. Surrogate Need Identification
13. Surrogate Assignment
14. Hearing Officer Assigned
15. Hearing Conducted
16. Written Decision (SEA/LEA)
17. Action Taken
18. IEP Review Due
19. IEP Review Complete
20. Transfer Report Completion
21. Transfer Student IEP Adoption
22. IEP Parent Consent Withdrawn
23. IEP Completion

3. IEP Portability

SEDM has identified three starting points for requirements analysis:

1. IDEA
2. MWTM v1
3. SIF xIEP



IDEA §1414. (d); (1); "IEP" means a written statement for each child with a disability that is developed, reviewed, and revised in accordance with this section and that includes—

- (I) a statement of the child's present levels of academic achievement and functional performance**
- (II) a statement of measurable annual goals,**
- (III) a description of how the child's progress toward meeting the annual goals will be measured**
- (IV) a statement of the special education related services and supplementary aids and services,**
- (V) an explanation of the extent, if any, to which the child will not participate with nondisabled children in the regular class and in the activities**
- (VI) a statement of any individual appropriate accommodations that are necessary to measure the academic achievement and functional performance of the child**

MWTM Element	Data Constraints
Student First Name	75 characters maximum
Student Last Name	Alphanumeric - 75 characters
MilitaryRefID	Numerical Sequence or List of IDs
StudentRefID	
Military-Connected Student Identifier	Option Set
Awaiting Initial IDEA Evaluation Status	Yes/No
IDEA Indicator	Yes/No
Disability Status	Yes/No
Section 504 Status	Yes/No
Parent Consent	Yes/No
Date of Parent	MM-DD-YY
Primary Disability Type	Option Set
Disability Condition Type	Option Set
IDEA Educational Environment for School-Age	Option Set
Student Support Service Type	Option Set
IEP Review Date	YYYY-MM

3. SEDM IEP Portability

SEDM has identified three starting points for requirements analysis:

1. IDEA

IDEA §1414. (d); (1); "IEP" means a written statement for each child with a disability that is developed, reviewed, and revised in accordance with this section and that includes—

*(I) a statement of the child's **present levels of academic achievement and functional performance***

*(II) a statement of **measurable annual goals**,*

*(III) a description of **how the child's progress toward meeting the annual goals will be measured***

*(IV) a statement of the **special education related services and supplementary aids and services**,*

*(V) an explanation of the extent, if any, to which **the child will not participate with nondisabled children in the regular class and in the activities***

*(VI) a statement of any **individual appropriate accommodations** that are necessary to measure the academic achievement and functional performance of the child*

These requirements map to six common required components:

1. Present Levels of Academic Achievement And Functional Performance (PLAAFP)
2. Measurable Annual Goals
3. Progress Monitoring Description
4. Special Education Services
5. Instructional Setting
6. Accommodations

The CEDS elements that map to these categories would not capture the nuance of the PDF full IEP documents, but may provide a convenient way to search, filter, and analyze.

In addition, data could easily be drawn from the 178 Golden Elements to provide directory and other context

3. SEDM IEP Portability

#	IEP Component	Requirement	Element Name	Definition	Format	CEDS ID
1	Present Levels of Academic Achievement And Functional Performance (PLAAPF)	(I) a statement of the child's present levels of academic achievement and functional performance	IEP Present Level Academic Description	How the child's disability affects the child's academic achievement.	Alphanumeric	001705
			IEP Present Level Functional Description	How the child's disability affects the child's functional performance.	Alphanumeric	001706
2	Measurable Annual Goals	(II) a statement of measurable annual goals,	Goal Description	A statement that describes the desired outcomes.	Alphanumeric - 300 characters maximum	000903
3	Progress Monitoring Description	(III) a description of how the child's progress toward meeting the annual goals will be measured	Goal Measurement Description	The procedures and/or instruments that will be used to measure achievement of a goal or short-term objective.	Alphanumeric	001695
4	Special Education Services	(IV) a statement of the special education related services and supplementary aids and services,	Student Support Service Type	Type of related or ancillary services offered or provided to a person or a group of persons within the formal educational system or by an outside agency which provides non-instructional services to support the general welfare of students. This includes physical and emotional health, the ability to select an appropriate course of study, admission to appropriate educational programs, and the ability to adjust to and remain in school through the completion of programs. In serving a student with an identified disability, related services include developmental, corrective, or supportive services required to ensure that the person benefits from special education.	(See Below)	000273
5	Instructional Setting	(V) an explanation of the extent, if any, to which the child will not participate with nondisabled children in the regular class and in the activities	Service Setting Description	Description of the setting in which the services are delivered.	Alphanumeric	001718
6	Accommodations	(VI) a statement of any individual appropriate accommodations that are necessary to measure the academic achievement and functional performance of the child.	Accommodation Type	The specific accommodation necessary for assessment or instruction.	(See Below)	000385
			Accommodation Other Description	The description of the accommodation when 'Accommodation Type' is set to 'Other'.	Alphanumeric - 30 characters maximum	001157

3. IEP Portability - Primary Disability Type

Source	Global ID (CEDs)	Domain	Entity	Category	Element Name	Definition	Option Set	Ed-Fi Map
136	SpEd	000249	K12	K12 Student	Disability	Disability Status	Individuals with disabilities who are	StudentEducationOrganizat
137	SpEd	000249	K12	K12 Student	Disability	Section 504 Status	Individuals with disabilities who are	StudentEducationOrganizat
138	SpEd	000218	K12	K12 Student	Disability	Primary Disability Type	The major or overriding disability	StudentEducationOrganizat
139	SpEd	000535	K12	K12 Student	Disability	IDEA Educational Environment for School Age	The setting in which children ages 6	StudentEducationOrganizat
140	SpEd	000590	K12	K12 Student	IDEA	Program Participation Start Date	The year, month and day on which the	nAss
141	SpEd	000591	K12	K12 Student	IDEA	Program Participation Exit Date	The year, month and day on which the	nAss
142	SpEd	000260	K12	K12 Student	IDEA	Special Education Exit Reason	The reason children who were in	nAss
143	SpEd	000281	K12	K12 Student	Title I	Title I Indicator	An indication that the student is	ramu
144	SpEd	000249	K12	K12 Student	Individualized Program Section 504 Status	Individuals with disabilities who are	Individuals with disabilities who are	StudentEducationOrganizat
145	SpEd	000151	K12	K12 Student	Individualized Program IDEA Indicator	A person having intellectual disability;	A person having intellectual disability;	StudentEducationOrganizat
146	SpEd	001705	K12	K12 Student	Individualized Program IEP Present Level Academic Description	How the child's disability affects the	How the child's disability affects the	StudentEducationOrganizat
147	SpEd	001706	K12	K12 Student	Individualized Program IEP Present Level Functional Description	How the child's disability affects the	How the child's disability affects the	StudentEducationOrganizat
148	SpEd	001695	K12	K12 Student	Individualized Program Goal Measurement Description	The procedures and/or instruments	The procedures and/or instruments	StudentEducationOrganizat
149	SpEd	001718	K12	K12 Student	Individualized Program Service Setting Description	Description of the setting in which the	Description of the setting in which the	StudentEducationOrganizat

- AUT - Autism
- DB - Deaf-blindness
- DD - Developmental delay
- EMN - Emotional disturbance
- HI - Hearing impairment
- ID - Intellectual Disability
- MD - Multiple disabilities
- OI - Orthopedic impairment
- OHI - Other health impairment
- SLD - Specific learning disability
- SLI - Speech or language impairment
- TBI - Traumatic brain injury
- VI - Visual impairment

3. IEP Portability - Service Type

The CEDS element that maps to component 4, **Student Support Service Type**, includes the following standard option set:

00290 - Adaptive physical education	00336 - Nutrition services
00291 - Art therapy	00309 - Occupational therapy
00292 - Assistive technology services	00310 - Orientation and mobility services
00293 - Audiological services	09999 - Other
73050 - Augmentative Communication Service	00311 - Parenting skills assistance
73051 - Autism Spectrum Disorder Service	00312 - Peer services
73052 - Behavior and Behavioral Consultation Service	00313 - Physical therapy
73053 - Braille Service	00331 - Psychological services
00889 - Career and technical education rehabilitation training and job placement	00314 - Reader service
00878 - Case management services	00315 - Recreation service
00295 - Children's protective services	00318 - Rehabilitation counseling services
00881 - Communication services	00885 - Residential services
73057 - Community based career training	73046 - Respite Care
73056 - Community based career training for Special Education	00319 - School clothing
00882 - Community recreational services	00302 - School counseling
73048 - Curriculum planning	00320 - School health nursing services
00334 - Developmental <u>childcare</u> program	73061 - School Psychologist
73047 - Early Intervention / Early Childhood Special Education Special Service	00294 - Service coordination (case management services)
00297 - Early intervention services	00337 - Social work services
00298 - Educational therapy	00321 - Special transportation
73054 - ESL/Migrant Service	00322 - Speech-language therapy
00299 - Family counseling	00323 - Study skills assistance
00333 - Family training, counseling, and home visits	00324 - Substance abuse education/prevention
00303 - Health care	00886 - Supported employment services
73060 - Homebound or Hospitalized	73062 - Teacher consultant for autism
00883 - Independent living	73064 - Teacher Consultant for disturbance emotional
73058 - Individual career education	73066 - Teacher consultant for hearing impairment
73059 - Individual career education for special education	73063 - Teacher Consultant for intellectual disability
73049 - Instructional Aide/Assistant/Intervener Service	73068 - Teacher consultant for orthopedic impairment
00304 - Interpretation for the hearing impaired	73069 - Teacher consultant for other health impairment
00332 - Medical services only for diagnostic or evaluation purposes	73065 - Teacher consultant for specific learning disability
00305 - Mental health counseling	73067 - Teacher consultant for visual impairment
00884 - Mental health services	00887 - Technological aids
00306 - Music therapy	00325 - Teen/adolescent family planning
00300 - National School Nutrition programs	00326 - Test assistance
00308 - Note-taking assistance	00327 - Translation/interpreter services
00335 - Nursing service	00888 - Transportation services
	00329 - Tutoring services
	00330 - Vision services
	73055 - Work-based Learning

3. IEP Portability - Accommodation Type

03513 - Additional example items/tasks	00469 - Multi-day administration
00461 - Adjustable swivel arm	03545 - Multiple test sessions
00462 - Adjustable table height	13802 - Negatives removed
03514 - Administration in several sessions	03546 - Oral directions in the native language
13803 - Alternate representation	09999 - Other
13793 - Answer masking	03547 - Paraphrasing
03515 - Answers written directly in test booklet	03548 - Physical supports
03517 - Arithmetic table (math or science)	00471 - Recorder or amanuensis
75005 - Native language	13801 - Reduced answer choices
03519 - Assistive device that does not interfere with independent work of the student	03549 - Response dictated in American Sign Language
03518 - Assistive device that does not interfere with independent work of the student	03550 - Response in native language
75006 - Audio recordings	13788 - Reverse contrast
13791 - Auditory calming	13799 - Scaffolding
00463 - Braille	03551 - Scheduled extended time
03522 - Braille writer, no thesaurus, spell- or grammar-checker	00473 - Separate room
75007 - Breaks	03552 - Separate room with other English Learners under supervision of district employee
03524 - Calculator (math or science)	73070 - Sign Language Video
13800 - Chunking	03553 - Signer/sign language for instructions, ask questions
03525 - Clarify directions	00474 - Signer/sign language interpreter
03526 - Colored lenses	03554 - Simplified language
03527 - Computer administration	03555 - Small-group or individual administration
03528 - Cranmer abacus	00475 - Special furniture
03529 - Cueing	00476 - Special lighting
75008 - Dictated oral response	03558 - Specialized setting
03530 - Dictionary in English	03556 - Speech recognition system
03531 - Dictionary in native language	03557 - Spell-checker
03533 - Directions read aloud or explained	13794 - Structured masking
13726 - Encouraging prompts	03559 - Student read aloud
00937 - Enlarged keyboard	03560 - Student-requested extended time
00464 - Enlarged monitor view	75012 - Supervised breaks
03534 - Examiner familiarity	13806 - Tactile
00465 - Extra time	03562 - Technological aid
13797 - Flagging	75013 - Test administered at best time of day for student
03535 - Font enlarged beyond print version requirements	03563 - Test administrator marked / wrote test at student's direction
13789 - Foreground/Background colors	03564 - Test administrator read questions aloud
03536 - Foreign language interpreter	03566 - Test changes in vocabulary
03537 - Foreign language interpreter for instructions, ask questions	00477 - Track ball
03538 - Format	03567 - Translation dictionary
03539 - Hospital/home testing	09997 - Unknown
13790 - Increase white space	00479 - Untimed
13805 - Item translation	03568 - Verbalized problem-solving
13798 - Keyword highlighting	75014 - Video recordings
13804 - Keyword translation	03570 - Visual cues
75009 - Large print	03571 - Word processor
13796 - Line reader	03572 - Word processor - grammar-checker turned off
75010 - Linguistic modification of directions	03573 - Word processor - grammar-checker enabled on essay response portion of test
03541 - Magnification device	75015 - Alternate assignments or goals
75011 - Manually coded English or American Sign Language to present questions	75016 - Behavior management program
13792 - Masking	75017 - Check for understanding
03543 - Math manipulatives (math or science)	75018 - Frequent feedback
03544 - Modification of linguistic complexity	75019 - Peer support

3. SEDM IEP Portability

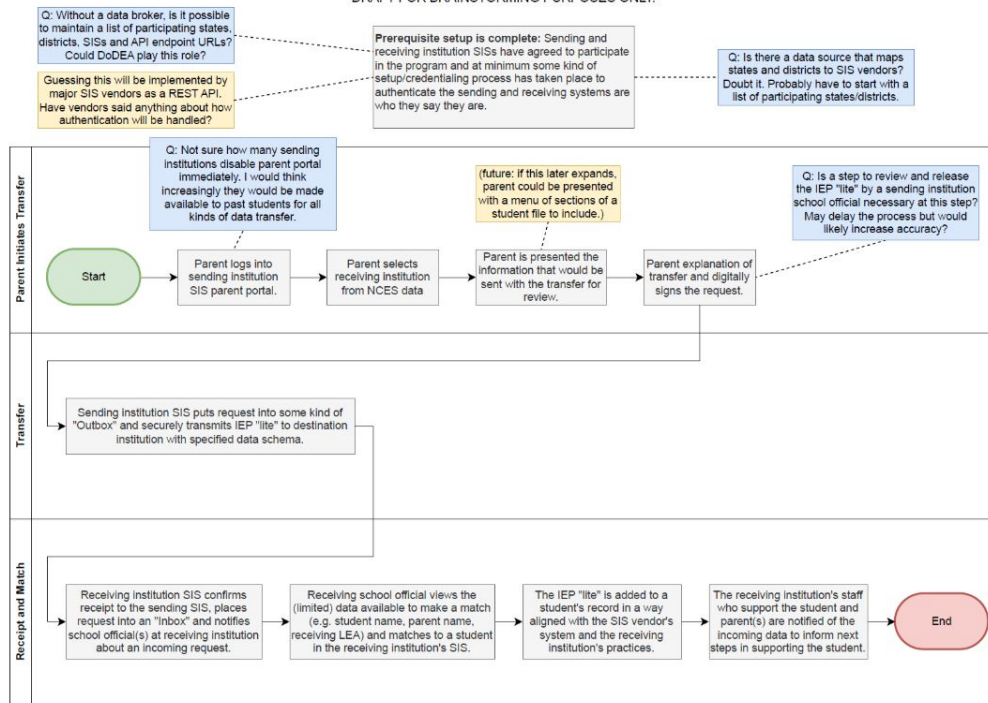
The resulting IEP schema would include elements to support:

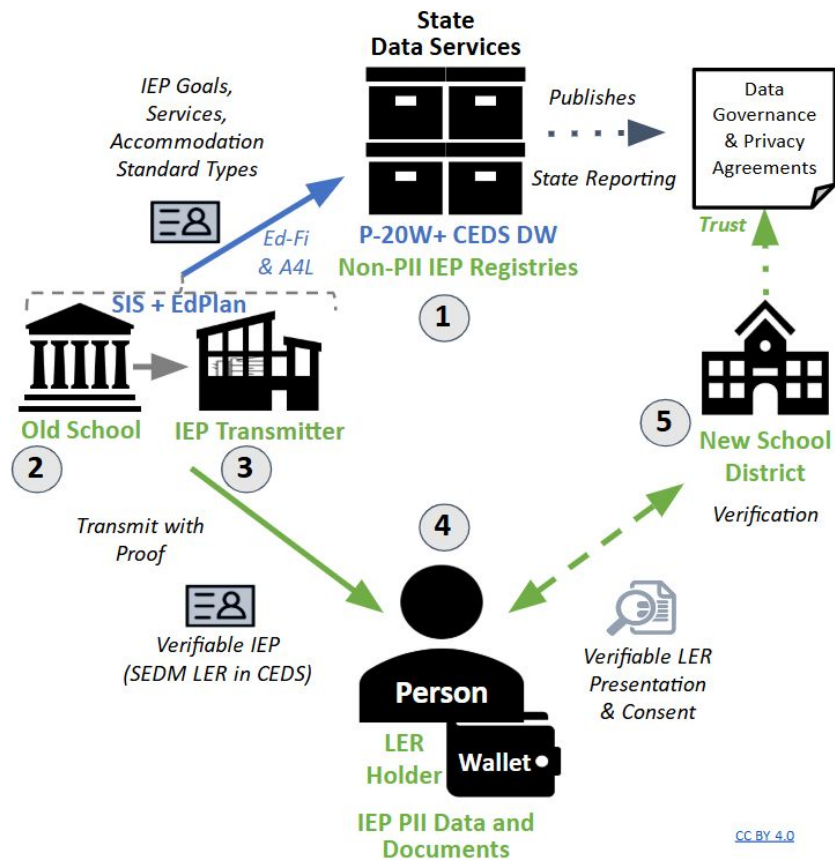
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|-------|-------------|--|--|
| 1. | LEA | Identification | |
| 2. | LEA | Address | |
| 3. | K12 School | Identification | |
| 4. | K12 School | Address | |
| 5. | K12 School | Telephone | |
| 6. | K12 Student | Identity->Identification | |
| 7. | K12 Student | Demographic | |
| 8. | K12 Student | Enrollment | |
| 9. | K12 Student | Attendance | |
| 10. | K12 Student | Academic Record | |
| 11. | K12 Student | Disability | |
| 12. | K12 Student | IDEA | |
| 13. | K12 Student | Title I | |
| 14. | K12 Student | Language | |
| 15. | K12 Student | Economically Disadvantaged | |
| 16. | K12 Student | Homeless | |
| 17. | K12 Student | Immigrant | |
| 18. | K12 Student | English Learner | |
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| 19. | K12 Student | Present Levels of Academic Achievement And Functional Performance (PLAAFP) | |
| 20. | K12 Student | Measurable Annual Goals | |
| 21. | K12 Student | Progress Monitoring Description | |
| 22. | K12 Student | Special Education Services | |
| 23. | K12 Student | Instructional Setting | |
| 24. | K12 Student | Accommodations | |

IEP Portability in SEDM

Decreasing Time to Service with IEP "Lite" Data Transfer

DRAFT FOR BRAINSTORMING PURPOSES ONLY.





IEP Portability in SEDM

Use of LER ecosystem empowers parents and custodial agents to manage consent flow of PII IEP data and documents.

© Access 4 Learning (A4L) Community

```

ceds:P000191$Shape
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  sh:name "Name of Institution" ;
  sh:datatype xsd:normalizedString ;
  sh:maxLength 60 ;

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  sh:path ceds:C001156 ;
  sh:name "Organization Type" ;
  sh:datatype xsd:anyURI ;
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    ceds:N1001156173052 # CourseSection - Course Section
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    ceds:N1001156173058 # Course - Course
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    ceds:N1001156173060 # CharterSchoolManagementOrganization - Charter School Management Organization
    ceds:N1001156173061 # StaffDevelopmentProvider - Staff Development Provider
    ceds:N1001156173062 # ServiceProvider - Service Provider
    ceds:N1001156173063 # SEA - State Education Agency (SEA)
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    ceds:N1001156173065 # Program - Program
    ceds:N1001156173066 # ProfessionalMembershipOrganization - Professional Membership Organization
    ceds:N1001156173067 # PostsecondaryInstitution - Postsecondary Institution
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    ceds:N1001156173069 # K12School - K12 School
    ceds:N1001156173070 # ELU - Intermediate Educational Unit (IEU)
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TTL RDF

Special Ed Data Governance



1. **Introduction**
 2. **Background**
 3. **Methodology**
 4. **Results**
 5. **Discussion**
 6. **Conclusion**
 7. **References**
 8. **Appendix**
 9. **Index**
 10. **Table of Contents**
 11. **Abstract**
 12. **Summary**
 13. **Key Words**
 14. **Keywords**
 15. **Subject Headings**
 16. **MeSH**
 17. **Indexing**
 18. **Classification**
 19. **Numbering**
 20. **Ordering**
 21. **Grouping**
 22. **Labeling**
 23. **Marking**
 24. **Notation**
 25. **Symbolism**
 26. **Diagramming**
 27. **Flowcharting**
 28. **Mapping**
 29. **Charting**
 30. **Graphing**
 31. **Tableing**
 32. **Forming**
 33. **Designing**
 34. **Constructing**
 35. **Building**
 36. **Creating**
 37. **Developing**
 38. **Establishing**
 39. **Formulating**
 40. **Generating**
 41. **Inventing**
 42. **Manufacturing**
 43. **Producing**
 44. **Realizing**
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Ontology[illegible]TTL RDB
SHACL Shape

SEDM @Ed3

CC BY 4.0

2025 SEDM Governance Outreach Plan

1. Jan 6 OSC Monthly Review
2. Jan 13 G3
3. Jan 14 SEDM@ScDU JSON SHACL
4. **Jan 16 SEDM@Ed3 (Zoom)**
5. Jan 30 ScDU Reporting
6. Feb 4-7 in DC CEDS/SLDS
7. Feb 13 NCES Data Users
8. **Feb 20 SEDM@Ed3 (Zoom)**
9. Feb 25 SEDM@ScDU Ontology
10. **Mar 3 SEDM@CEDS OSC - Begin**
11. *Mar 4 SEDM@CEC WG - Council for Exceptional Children*
12. Mar 6 SEDM@SC - Ed Tech Collaboratory
13. Mar 10 SEDM@G3 - Generate Governance Group
14. *Mar 11 SEDM@SPARC Center*
15. *Mar 11 SEDM@CASE - Council of Administrators of Special Education*
16. Mar 17 SEDM@A4L Annual Meeting in DC
17. Mar ? SEDM@ed-fi Data Standards WG
18. **Mar 20 SEDM@Ed3 (Zoom) - CEDS WG**
19. *Apr 14 - SEDM@ NASDSE - National Association of State Directors of Special Education*
20. **Apr 17 SEDM@Ed3 (Zoom) - CEDS WG**
21. Apr 21 SEDM@ed-fi Tech Cong in Anaheim, CA
22. **May 15 SEDM@Ed3 (Zoom) - CEDS WG**
23. May 20-1 SEDM@EIMAC in Minneapolis, MN
24. **Jun 2 SEDM@CEDS OSC - Complete**

Run of Show

10:25AM – Start

1. Greg presents SEDM
2. June responds from OK's perspective
3. Kathy responds from ME's perspective
4. Bill responds provides a national perspective
5. Audience Participation
6. Next Steps

11:15AM - End

Next Steps

1. CEDS provides stable governance with trust from all key stakeholders.
2. SEDM engages all stakeholders and meets 3rd Th 11A ET @Ed3 and will produce a set of recommendations for the June 2 CEDS Open Source Community.
3. A4L convenes a SEDM WG for state and local education data leaders to collaborate on data standards and open source reference implementations.

CEDS-SEDM.org



bit.ly/ceds-sedm-org

3rd Th 11^{AM}
ET

SEDM

