MN Ed-Fi Suite v3.5.2, Data Standard v3.3.0-a: Student Special Education Program Associations

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Table of Contents

Summary

This association represents the special education program(s) that a student participates in or receives services from. The association is an extension of the StudentProgramAssociation particular for special education programs.

Object Triggering Logic

Action	Business Rule(s)

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Post	Report a record when a Student has an Enrollment in the configured year with a Special Ed Status of *4: Receiving services*, *5: Requires service, parents refused*, *6: Receiving services in district and through a public agency*, or *7: IEP/IFSP terminated during year*. • A record is only reported for Enrollments in the same School Year as the Ed-Fi Connection sending the record. 　○ School Year dates are defined in School Year Setup. 　　■ If Start Date is NULL, 07/01/StartYear will be used. 　　■ If End Date is NULL, 06/30/EndYear will be used. • Do not report a record if the any of the following exclusions are present: 　○ Enrollment No Show 　○ Enrollment State Exclude 　○ Enrollment Grade Level Exclude 　○ Calendar Exclude 　○ School Exclude

Delete /Post Put	A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise. • When any of the following information is changed on Enrollments: ○ Enrollment ID (New Enrollment) ○ Start Date ○ End Date ○ No Show ○ Special Ed Status ○ Primary Disability ○ Secondary Disability 1 ○ Secondary Disability 2 ○ Special Ed Disability Setting ○ Service Hours ○ Homebound ○ State Aid Category ○ Placing District • When any of the following information is changed on Plans: ○ Plan ID (New Plan) ○ Start Date ○ End Date ○ Services ▪ Service ▪ Start Date ▪ End Date ▪ Direct Minutes Per Session ▪ Indirect Minutes Per Session ▪ # Sessions Per Frequency ▪ Service Frequency ○ Extended School Year ▪ Yes • Changes to Resource Preferences mappings **do NOT trigger**. A manual resync must be performed on the resource if mappings are changed.

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Delete	- When the associated Enrollment is deleted. - When the associated Enrollment is made to no longer overlap the configured year. - When the associated Student is now excluded in some way. - When a record is in the Ed-Fi Identity Mapping Report but cannot be found on the Campus site.

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Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Local Education Agencies
- Students
- Programs

Dependent Resources (Downstream)

The following resources are dependent on this resource (must be sent after this resource):

- N/A

Error Log

The following are potential Tier 1 (Ed-Fi API generated) or custom (Campus generated) errors you may receive when posting, updating, or deleting this resource. Please keep in mind that the "Error Message" below may not match your exact error message.

Error Message	Possible Causes / How to Fix
400: Validation of '**RESOURCE**' failed. **FIELD** is required.	An element of the JSON that is required is missing and needs to be added. - Double check that all bolded data elements below are reporting a valid value and no data elements below are reporting an invalid value.
400: '**RESOURCE**' failed. **RESOURCE** reference could not be resolved.	A resource that was referenced from a difference resource does not yet exist. - Resync the resource being mentioned in the error, then resync the errored resource. Alternatively, the resource being referenced may be incorrect. This can happen with Schools and the Ed-Fi School ID being used as an example. Double check the referenced values being sent are valid.

403: Authorization denied. The claim does not have any established relationships with the requested resource.	The key/secret being used does not have permission to send a record for the resource / referenced resource. • Double check your API credentials (key/secret). Sometimes specific keys/secrets cannot report specific resources. • The referenced person (student, staff, parent, contact, etc.) has not yet been associated to the key /secret. Resync their "linking" resource (Students Student School Associations, Staffs Staff Education Organization Assignment Associations, etc.) then resync the errored resource. • The referenced person (student, staff, parent, contact, etc.) may not exist in the ODS yet. Resync the "person" resource and the "linking" resource (Students Student School Associations, Staffs Staff Education Organization Assignment Associations, etc.) then resync the errored resource.
404: Failed to delete '**RESOURCE**'. Record does not exist.	The attempt to delete a specific Ed-Fi record ID in the ODS failed because it did not exist. • This error can be ignored. The ID was cleared from the Ed-Fi Identity Mapping Report and will not attempt to delete again.
409: A natural key conflict occurred when attempting to create a new resource '**RESOURCE**' with a duplicate key.	The Ed-Fi API has a natural key system alongside a standard REST ID system. This error is often protecting against the erroneous creation of a duplicate record in the API. However, it may also indicate that the natural key requirements of the Ed-Fi API have not been satisfied, and the key needs to be modified. • Check for duplicate data in your Campus site. If no duplicate data can be found, report the issue to Campus Support. ◦ This can be caused by numerous issues. Our code may be attempting to send duplicate records when it should not. The natural key (bolded fields below) may not be unique enough to satisfy Ed-Fi requirements in all cases. Most times this error will require a code change to fix.
409: The resource (or a subordinate entity of the resource) cannot be deleted because it is a dependency of the '**RESOURCE**' entity.	The resource that the application is attempting to delete is referenced from another entity. • Use the Delete Tool to delete the referenced resource in the error message. Then retry the delete on the original resource that errored.

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500: Internal Server Error.	Something unexpected happened and no specific error message could be returned. - This issue usually occurs when the ODS is having issues. Confirm that there are no issues with the ODS the data is being sent to and then attempt to retry the errored record. - Contact Campus Support if 500 errors continue to occur, can be replicated consistently, and the ODS the data is being sent to has no ongoing issues. - There is a chance that Campus Ed-Fi code is sending an invalid JSON request resulting in the 500 error. - There is a chance that an Ed-Fi Data Standard / API bug is causing the issue. - Investigation is needed in these cases as there are many different potential causes.

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Object Data Elements Logic

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element. For Core Ed-Fi connections, it indicates what the data standard requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	**beginDate** (*date*)	*The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.* Reports the **Enrollment Start Date.**	M	Enrollments	Enrollment . startDate	✗

| 2 | **educationOrganizationReference** (*reference*) | *A reference to an Education Organization (Schools, Local Education Agencies, etc.) resource associated with the Student Special Education Program Association being reported.*

Reports the fields that are part of the Natural Key for the Schools resource.

• schoolId
  ○ Reports the **Ed-Fi School ID**.
  ○ When the Ed-Fi School ID is NULL, reports the concatenation of **District Type** (strips any leading 0's) + **District Number** (First 4 characters, 0-padded on left) + **State School Number** (First 3 characters, 0-padded on left). | M | N/A | N/A | | ✅ |

| 3 | **programReference** (*reference*) | *A reference to the Programs resource associated with the Student Special Education Program Association being reported.*

Reports the fields that are part of the Natural Key for the Programs resource.

• educationOrganizationId
  ○ Reports the concatenation of **District Type** (Removing any leading 0's) **+ District Number** (first 4 characters, 0-padded on left) **+ 000**.
• programName
  ○ Reports **Special Education** (Hard-Coded).
• programTypeDescriptor
  ○ Reports **Special Education** (Hard-Coded). | M | N/A | N/A | ❌ |
| 4 | **studentReference** (*reference*) | *A reference to the Students resource associated with the Student Special Education Program Association being reported.*

Reports the fields that are part of the Natural Key for the Students resource. | M | N/A | N/A | ✅ |

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| 5 | disabilities (*array*) | *An unordered collection of studentSpecial EducationProgram AssociationDisabilities. The disability condition(s) that best describes an individual's impairment, as related to special education services received.*

Reports the following data elements in an array:

• disabilityDescriptor
    ○ Reports the Ed-Fi Code mapped to the value entered in each of the Disability-related fields.
       ■ This mapping can be found in the Resource Preferences of the Ed-Fi Connection under the Student Special Education Program Associations resource.
• orderOfDisability
    ○ Reports **1** for Primary Disability
    ○ Reports **2** for Secondary Disability 1
    ○ Reports **3** for Secondary Disability 2 | C | Enrollments | Enrollment . disability1 through . disability3 | ❌ |
| 6 | endDate (*date*) | *The month, day, and year on which the Student exited the Program or stopped receiving services.*

Reports the **Enrollment End Date.**

• Does not report if Enrollment End Date is NULL. | M | Enrollments | Enrollment . endDate | ❌ |

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| 7 | specialEducation SettingDescriptor (*string*) | *The major instructional setting (more than 50 percent of a student's special education program).*

Report the Ed-Fi Code mapped to the value selected for **Special Ed Disability Setting**.

• This mapping can be found in the Resource Preferences of the Ed-Fi Connection under the Student Special Education Program Associations resource. | O | Enrollments | Enrollment . specialEdSetting | ✖ |
| 8 | specialEducation ServiceHours (*number*) | *The major instructional setting (more than 50 percent of a student's special education program).*

• Reports the **Service Hours** from the Enrollment when populated and the Special Ed Status is *4: Receiving services* or *6: Receiving services in district and through a public agency*.
• In all other situations, reports the result of the following calculation:
  ○ (DIRECT MINUTES PER SESSIONS + INDIRECT MINUTES PER SESSION) * # SESSIONS PER / SERVICE FREQUENCY PERIOD | C | Enrollments | EnrollmentMN . specialServiceHours

Enrollment . specialEdStatus | EXT |

- ○ Service Frequency Period:
  - ■ Day = 1
  - ■ Week = 5
    - 5 days per week
  - ■ Month = (5 * 4)
    - 5 days, 4 weeks
  - ■ Term = (5 * 36 / Number of Terms)
    - 5 days, 36 weeks
    - When the Number of Terms is equal to 0, calculation results in 0.
  - ■ Year = (5 * 36)
    - 5 days, 36 weeks
  - ■ Undetermined = 5
    - 5 days per week
- ○ All variables used come from the Services entered on a Special Ed Plan in the Services editor.

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		○ Exclusions:
		  ■ Service used must be defined as a "Normal Service" in Special Ed Services Setup.
		  ■ The Plan must be locked.
		  ■ The Date must be marked as Instructional and overlap the Plan and Enrollment.
		  ■ Special Ed Status must be *4: Receiving services* or *6: Receiving services in district and through a public agency* to report.
		  ■ One of the following must be true to be included
		    • Homebound must be *Y: Yes*.
		    • School Type must be 41, 42, 43, 45, 46, or 50.
		    • Calendar Instructional Model must be 02, 03, 04, or 05.
		    • Grade must be HK or EC.
		    • State Aid Category must be 16, 17, 18, 46, 27, or 77.
		      ○ If State Aid Category is 46, then the Plan must have Extended School Year checked.				

9	placingLocal EducationAgency Reference (*reference*)	*A reference to the Local Education Agencies resource associated with the Student Special Education Program Association being reported.* Report the Natural Key for the Local Education Agencies resource for the selected **Placing District**.	C	Enrollments	EnrollmentMN . placingDistrict	EXT

10	ideaEligibility	This data element is optional and does not report.	O	N/A	N/A	N/A
11	iepBeginDate	This data element is optional and does not report.	O	N/A	N/A	N/A
12	iepEndDate	This data element is optional and does not report.	O	N/A	N/A	N/A
13	iepReviewDate	This data element is optional and does not report.	O	N/A	N/A	N/A
14	lastEvaluationDate	This data element is optional and does not report.	O	N/A	N/A	N/A
15	medicallyFragile	This data element is optional and does not report.	O	N/A	N/A	N/A
16	multiplyDisabled	This data element is optional and does not report.	O	N/A	N/A	N/A
17	participationStatus	This data element is optional and does not report.	O	N/A	N/A	N/A
18	programParticipationStatuses	This data element is optional and does not report.	O	N/A	N/A	N/A
19	reasonExitedDescriptor	This data element is optional and does not report.	O	N/A	N/A	N/A
20	schoolHoursPerWeek	This data element is optional and does not report.	O	N/A	N/A	N/A
21	servedOutsideOfRegularSession	This data element is optional and does not report.	O	N/A	N/A	N/A
22	serviceProviders	This data element is optional and does not report.	O	N/A	N/A	N/A
23	specialEducationHoursPerWeek	This data element is optional and does not report.	O	N/A	N/A	N/A

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24	specialEducationProgramServices	This data element is optional and does not report.	O	N/A	N/A	N/A

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Appendix