NE Ed-Fi Suite v7.3, Data Standard v5.2: Student Special Education Program Associations

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)

Post	• When an IEP is created and locked and overlaps the configured year and the student has an enrollment in the configured year
	• IEP must overlap an enrollment. Only one record will report per school year
	• If there is more than one enrollment in the school year that overlaps the IEP, use the most recent enrollment based on the primacy of Service Type below
	• If a student has multiple overlapping Enrollments in the same config year, report based on primacy of Service Type:
	◦ P: Primary
	◦ S: Partial
	◦ N: Special Ed
	• If a student only has one enrollment, report a record regardless of Service Type
	• Do not send a student record for an enrollment that is marked as State Exclude or No Show or with a Resident Status of '5' or '7'
	• Do not send a record if enrollment is in a calendar marked as Exclude
	• Do not send a record if enrollment in a school is marked as Exclude
	• IEP start date must be on or after enrollment start date and on or before enrollment end date
	• When a new enrollment is created for a student that has an active IEP:
	◦ Enrollment start date must be after IEP start date
	◦ IEP end date must be NULL or after Enrollment start date

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 field part of the natural key is changed:
	  ◦ endDate
	  ◦ reasonExitedDescriptor
	  ◦ levelOfProgramParticipationDescriptor
	  ◦ placementTypeDescriptor
	  ◦ specialEducationPercentage
	  ◦ toTakeAlternateAssessment
	  ◦ serviceDescriptor
	  ◦ serviceBeginDate
	  ◦ serviceEndDate
	• When a SPED Setting is changed in an existing IEP, and is re-locked
	• When a SPED Entry Date is changed

Delete	• The locked IEP is deleted for a student. • A SPED Setting is changed for a student • A Sped Entry Date is changed for a student. • All overlapping enrollments are deleted for a school • When an IEP is unlocked it will delete.

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Local Education Agencies (Pre-populated)
- Programs (Pre-populated)
- Students
- Student School Associations

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.

| 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. |

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**	The month, day, and year on which the Student first received services. 1. First look at the most recent locked IEP's Enrollment Status editor > 'Entry Date' If <>NULL, report out value. 2. If the IEP's Enrollment Status editor's 'Entry Date' is NULL, look at the Enrollment > Special Ed Fields > 'Entry Date' for the enrollment being reported and if the Enrollment > Special Ed Fields > 'Entry Date' <>NULL, report out the value. 3. If 'Entry Date' is NULL, use the following logic: ◦ Look at all calendars for all grades within student's enrollment history to verify first locked reported IEP of IFSP. The date reported should be the start date located in the Education Plan editor for both the IEP and the IFSP. 4. Report within the fiscal calendar 07/01-06/30.	M	Student Information > General > Enrollments > Special Ed Fields > Entry Date Student Information > Special Ed > Documents > Plan > Current Plan > Education Plan > Start Date		
2	**programReference**	*A reference to the Program Resource* Report the following fields: 1. educationOrganizationId: DistrictID + '000' 2. programTypeDescriptor: uri://ed-fi.org/ProgramTypeDescriptor#Special Education" 3. programName: Report "Special Education"	M	System Administration> Resources> District Information > State District Number	district.number	

| 3 | disabilities | *The disability condition(s) that best describes an individual's impairment, as related to special education services received.*

1. Report the Ed-Fi Code Value of the Disability Descriptor.
2. Report per the Array section below for Disabilities.
  ○ Core solution allows up to 5 disabilities to report however NE only collects 3. | C | Student Information > General > Special Ed > Documents > IEP | enrollment.

disability1

enrollment.

disability2

enrollment.

disability5 | |
| 4 | endDate | *The month, day, and year on which the student exited the program or stopped receiving services*

Report the Special Ed Exit Date if populated on the overlapping enrollment record.

1. If a new enrollment record is created with a Start Date after the Special Ed Exit Date, and the enrollment overlaps the locked IEP, then report the Special Ed Exit Date from the new enrollment;
  ○ If NULL, report End Date as blank.
2. If a new enrollment record is created that does not overlap the IEP, do not update the endDate.
3. If the enrollment is deleted, the end date reported would revert to the value saved in the previous (overlapping) enrollment.
4. Report within the fiscal calendar 07/01-06/30. | C | Student Information > General > Enrollment > Special Ed > Exit Date | | |

5	iepBeginDate	*The effective date of the most recent IEP* 1. Report the start date of the locked IEP	M	Student Information > Special Ed > General > Documents > Plan > Education Plan Editor > Start Date		
6	reasonExitedDescriptor	*This descriptor defines the reason a student exited a program* Report the Ed-Fi Code from the Special Ed Exit Reason if populated on the overlapping enrollment being reported. 1. If a new enrollment record is created with a Start Date after the Special Ed Exit Date, and the enrollment overlaps the locked IEP, then report the Special Ed Exit Reason from the new enrollment; a. If NULL, report Special Ed Exit Reason as blank. 2. If a new enrollment record is created that does not overlap the IEP, do nothing; 3. If the enrollment is deleted, the Special Ed Exit Reason reported would revert to the value saved in the previous (overlapping) enrollment.	C	Student Info > General > Enrollment> Current Enrollment > Special Ed > Special Ed Exit Reason		

7	specialEducationProgramServices	*An unordered collection of studentProgramAssociationServices. This association represents the Special Education program(s) that a student participates in or receives services from.*	O			
		Report from array below				
8	specialEducationProgramDescriptor	*Additional information regarding the student's level of participation in the program.*	M	Student Information > General > Enrollments > Special Ed Fields > Primary Placement Type		
		Report "uri://education.ne.gov/SpecialEducationProgramDescriptor#05" (=IDEA Part B)				
		if any of the following are true :				
		Else report: "uri://education.ne.gov/SpecialEducationProgramDescriptor#06" (=IDEA Part C), which covers the following state defined scenarios:				
9	specialEducation SettingDescriptor	*The major instructional setting (more than 50 percent of a student's special education program).*		Student Information > General > Enrollments > Special Ed Fields > Special Ed Setting		
		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.				

10	placementTypeDescriptor	*Indicates placement type of the student* Report Ed-Fi Code for the placement type descriptor specified.	O	Student Information > General > Enrollments > Special Ed Fields > Placement Type Descriptor		
11	toTakeAlternateAssessment	*Indicates whether the student needs alternate assessment* Report based on the locked IEP: If the 'Alternate Assessment' checkbox is selected, report 'True' Else if the 'Alternate Assessment' checkbox is not selected OR if there is no locked IEP, report 'False'	O	Student Information > Special Ed > Documents > IEP> Plan Outline neIEP> District Wide Assessments >Alternate Assessments		

| 12 | initialSpecialEducationEntryDate | *The date the student was first identified with a verified disability in the State of Nebraska*

 For each locked IEP or IFSP for this student, query the following and identify the earliest start date:

 1. Plan startDate. If there are multiple plans, query each plan.
 2. PlanState spedEntryDate. If there are multiple plans, query each plan.
 3. Enrollment spedEntryDate. If there are multiple enrollments associated with the person, query all of entry dates.

 Set the initialSpecialEducationEntryDate to the earliest of <u>all</u> dates queried above. | O | Student Information > Special Ed > General > Documents > > Education Plan > Start Date

 Student Information > Special Ed > General > Documents > > Enrollment Status > Get Special Ed Status from Enrollment

 Student Information > Enrollments > Select an | | |

				enrollment > Special Ed Fields > Entry Date.		
1 3	PartCTransitionDelayReason Descriptor	*The reason a student who has reached their 3rd birthday continues to be served under IDEA Part C rather than Part B.* • Report the Ed-Fi code for the value selected in the Part C to Part B Transition Delay Reason field. • If field is blank or Ed-Fi Code is NULL, do not report.	O	Student Information > Special Ed > General > Documents > Enrollment Status	planState.t ransitionD elayReaso n	

Appendix