

AZ Ed-Fi Suite v7.3, Data Standard v5.2: Student Special Education Program Associations (SY 25-26)

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Table of Contents

- [Summary](#)
- [Object Triggering Logic](#)
- [Required Resources \(Upstream\)](#)
- [Dependent Resources \(Downstream\)](#)
- [Error Log](#)
- [Object Data Elements Logic](#)
- [Appendix](#)

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 a locked Plan or State Reporting Tab record AND an Enrollment in the configured year. - Plans must match a state specific format. - A record will report under BOTH the Primary SPED Services School and the Secondary SPED Services School. - When the Primary SPED Services School is NULL, the Primary School will be determined by finding the "highest priority" Enrollment using the logic below. - Amendments to Plans are treated as new records. We do NOT perform a PUT on existing records for Amendments to Plans. - If there are multiple enrollments within the Primary/Secondary School, use the following priority list to determine which one should report: - Local Service Type of Primary - Primary local service types will always report if they are different Start Dates - If the same Start Date, the earliest Enrollment ID will be used. - Local Service Type other than Primary - These will only be used if they are the only enrollment in a given timeframe. This means that the Enrollment does not overlap with any other Enrollment from the same school or any other school. - The priority order for these Local Service Types are: - T: AOI - A: Ancillary - O: Program Only - A record is only reported for Plans/State Reporting Tab records and 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 Exclude from State Reporting - Enrollment Start Status is <i>E: NON-SAIS DISTRICT USE ONLY!</i> - Calendar Exclude - School Exclude
Delete /Post	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.
Put	

- When any of the following information is changed on Enrollments:
 - Enrollment ID (New Enrollment)
 - Start Date
 - State Start Status
 - End Date
 - State End Status
 - No Show
 - Special Ed Setting
 - Local Service Type
- When any of the following information is changed on Plans:
 - Plan ID (New Plan)
 - Education Plan
 - IEP Start Date
 - IEP End Date
 - Enrollment Status
 - Primary Disability
 - Disability 2 through Disability 7
 - Ancillary Disability 2 through Ancillary Disability 3
 - Special Ed Status
 - Funded SPED Service DOR
 - SPED Special Enrollment Code
 - Placement and LRE
 - SPED Concurrency Type
 - SPED Services School
 - SPED Setting
- When any of the following information is changed on Evaluations:
 - Evaluation ID (New Evaluation)
 - Evaluation Information
 - Evaluation Date
 - Exit Date
 - Evaluation Type
 - Outcomes
 - Positive social-emotional skills (including social relationships) outcomes summary:
 - Acquisition and use of knowledge and skills (including early language/communication and early literacy) outcomes summary:
 - Use of appropriate behaviors to meet their needs outcomes summary:
 - Has progress been made?
- Changes to Resource Preferences mappings **do NOT trigger**. A manual resync must be performed on the resource if mappings are changed.

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 the locked Plan is deleted. • When the locked Plan is made to no longer overlap the configured year. • 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.

409: { "message": "The value supplied for the related 'program' resource does not exist.", "correlationId": "6a964092-0d34-49fe-8e5b-201247ab8ee7" }.	• Most Likely Cause: Each calendar year, districts need to communicate with AzEDS on what program(s) they are offering at their district. This is the case for Title 1, Food Service, etc. If you are receiving this error, it is recommended to contact AzEDS to verify that the program exists for your district. • Alternative Cause: The programName or programTypeDescriptor we are reporting was changed from one school year to another. We are currently sending the incorrect value. This will require a development change, and it is recommended to contact Campus Support if you believe this is the issue.
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)
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1	beginDate (date)	<i>The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.</i> Reports the latest of the following dates: • IEP Start Date ◦ Enrollment End Date must be NULL OR after the IEP Start Date. ◦ If the Enrollment is part of a "ZZZ" chain of enrollments, uses the Enrollment End Date from the LAST enrollment in the "ZZZ" chain. ▪ See the "ZZZ" article for more information on specific logic. • Enrollment Start Date ◦ IEP End Date must be after the Enrollment Start Date. ◦ If the Enrollment is part of a "ZZZ" chain of enrollments, uses the Enrollment Start Date from the FIRST enrollment in the "ZZZ" chain. ▪ See the "ZZZ" article for more information on specific logic.	M	Special Ed Documents Enrollments	Plan .startDate Enrollment .startDate	
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2	educationOrganizationReference (reference)	<i>A reference to an Education Organization (Schools, Local Education Agencies, etc.) resource associated with the Student Neglected or Delinquent Program Association being reported.</i> Reports the fields that are part of the Natural Key for the Schools resource. • Reports based on the value entered for Primary SPED Services School or Secondary SPED Services School. • For past versions of the Plan format, reports based on the value entered for SPED Services School with a Concurrency Type of Primary or Secondary.	M	N/A	N/A	✖
3	programReference (reference)	<i>A reference to the Programs resource associated with the Student Neglected or Delinquent Program Association being reported.</i> Reports the fields that are part of the Natural Key for the Programs resource. • educationOrganizationId ◦ Reports the Funded SPED Service DOR from the Plan. ◦ If Funded SPED Service DOR is NULL, reports the District Entity ID from School Information. ◦ If District Entity ID from School Information is NULL, reports the District Entity ID from District Information.	M	Special Ed Documents	PlanState . spedResidentDistrict 2023 Format SPED Setting: SEPGenericForm . vcMax3 WHERE type = 'placement' 2020 Format SPED Setting: PlanState . specialEdSetting	✖

- programName
 - Reports based on the table below for the **SPED Setting** selected. Codes in **RED** are no longer in use for the current year (SY 24-25) and should only be reported for previous years through the 915 process. Some programs will change names across school years, those name changes are documented and reported accordingly:

Campus Code	Reports As
A	A Inside Regular Class 80% or More
B	B Inside Regular Class 40 - 79%
C	C Inside Regular Class Less Than 40%
D	D Public or Private Separate Day School
E	E Public or Private Residential Facility
ES	ES Public or Private Residential Facility
FA	FA Correctional Facilities A
FB	FB Correctional Facilities B

FC	FC Correctional Facilities C
H	▪ R10 - R8: H Hospital or Home Instruction ▪ R7: H Home Placement / Hospital Program
J	J Private School Placement by Parents
PA1	PA1 Early childhood program at least 10 hours/week
PA2	PA2 Early childhood program at least 10 hours/week
PB1	PB1 Early childhood program less than 10 hours/week
PB2	PB2 Early childhood program less than 10 hours/week
PD	PD Separate Class
PE	PE Public or Private Separate Day School
PG	PG Public or Private Residential Facility

- programTypeDescriptor
 - Report **Special Education**.

4	studentReference (<i>reference</i>)	<i>A reference to the Students resource associated with the Student Neglected or Delinquent Program Association being reported.</i> Reports the fields that are part of the Natural Key for the Students resource.	M	N/A	N/A	✓
5	endDate (<i>date</i>)	<i>The month, day, and year on which the student exited the program or stopped receiving services.</i> • If the Enrollment End Date is NOT NULL (Has a value): ◦ Reports the earliest of the following dates: ▪ Exit Date for the Evaluation with a Type of Exit. • The Exit Date must be within the IEP Start Date and the IEP End Date to be considered. ▪ Enrollment End Date • If the Enrollment is part of a "ZZZ" chain of enrollments, reports the Enrollment End Date from the LAST enrollment in the "ZZZ" chain. ◦ See the "ZZZ" article for more information on specific logic. ▪ IEP End Date	C	Special Ed Documents Enrollments	Plan .endDate Evaluation .endDate Enrollment .endDate	✗

- If the Enrollment End Date **IS** NULL (Does **NOT** have a value):
 - Confirm that at least one of the following is true to report a value:
 - An IEP exists starting **immediately after** the Plan the record is reporting from.
 - The Plan reporting has an end date that is prior to the last instructional day of the school year.
 - The most recent Evaluation with Type Exit has an Exit Reason of SPED01 or SPED09.
 - Report the earliest of the following dates:
 - **IEP End Date**
 - **Exit Date** for the Evaluation with a Type of Exit.
 - The Exit Date must be within the IEP Start Date and the IEP End Date to be considered.
 - **Last Instructional Day of the School Year**
 - When the LRE (SPED Setting) is *D: Public or Private Separate Day School for greater than 50% of the school day*, the endDate data element does **NOT** report until the associated enrollment has an end date.
- Does not report in all other situations.

		NOTES: - The end date being sent must be an instructional day. If the calculated date (using the logic above) is not an instructional day, report the previous instructional day. - Example: 4/15/23 is the calculated end date, but is not an instructional day. 4/14/23 is not an instructional day. 4/13/23 is an instructional day. - We would report 4/13/23. - The reported endDate should never be before the reported startDate. If you encounter a situation where this is occurring, double-check your data. If the data looks good, contact Campus Support.				
6	ideaEligibility (boolean)	<i>Indicator of the eligibility of the student to receive special education services according to the Individuals with Disabilities Education Act (IDEA).</i> - Reports True when the locked Plan or State Reporting Tab record has a value for Primary Disability that is mapped to an Ed-Fi Code. - This mapping can be found in the Resource Preferences of the Ed-Fi Connection under the Student Special Education Program Associations resource. - Reports False in all other situations.	O	Special Ed Documents	PlanState .disability1 SpecialEdState .primaryDisability	✓

7	reasonExitedDescriptor (string)	The reason the student left the program within a school or district. • If the Enrollment End Date is NOT NULL (Has a value): ◦ Reports based on the following priority order: ▪ Reports SPED09 (Ends one LRE but starts another) if the IEP End Date is before the Enrollment End Date AND an IEP exists starting immediately after an existing plan or starts the very next instructional day. • Reports SPED01 (Transfer to regular education) when the student does NOT have an IEP that starts immediately after an existing plan or starts the very next instructional day. ▪ Reports the Ed-Fi Code mapped to the value selected for Exit Reason in an Exit Evaluation. • The Exit Evaluation must have an Evaluation Type of <i>Exit</i> AND an Exit Date (NOT Evaluation Date) that is after the Enrollment Start Date and before the Enrollment End Date / Last Instructional Day before IEP End Date. ▪ Reports based on the table shown below in all other situations.	C	Enrollments	Enrollment .endDate
			Special Ed Documents	Enrollment .endStatus	
				Enrollment .grade	
				Plan .startDate	
				Plan .endDate	
				Evaluation .exitDate	
				Evaluation .exitReason	

- If the Enrollment Date **IS** NULL (Does **NOT** have a value)
 - Reports based on the following priority order:
 - Reports **SPED09** (Ends one LRE but starts another) if the IEP End Date is before the Enrollment End Date **AND** an IEP exists starting immediately after an existing plan or starts the very next instructional day.
 - Reports **SPED01** (Transfer to regular education) or **SPED09** (Ends one LRE but starts another) if the most recent Exit Evaluation has an Exit Reason of those codes.
 - Reports **SPED01** (Transfer to regular education) if the IEP End Date ends prior to the Last Instructional Day of the school year.
 - Does not report in all other scenarios.

Ed-Fi Code	Business Rules
SPED02 (Graduated)	Enrollment State End Status is one of the following: W7, W14, W15, W17, W18, W19, W20, D2, or G.

SPED03 (Reached maximum age)	Enrollment State End Status is W6, but Grade Level is NOT mapped to one of the following: PS, KG, or UE.
SPED04 (Died)	Enrollment State End Status is W8.
SPED05 (Moved, known to be continuing)	Enrollment State End Status is W10 OR Enrollment State Status is one of the following: W9, W21, or W22 AND Grade Level is NOT mapped to PS OR Enrollment State Status is W1 AND there is NOT a consecutive Enrollment in the same school year - school combination that starts the immediate next instructional day.
SPED07 (Dropout)	Enrollment State Status is one of the following: W3, W4, W5, W11, W12, W13, W41, or W51 OR Enrollment State Status is W2 AND Grade Level is NOT mapped to PS.

SPED09 (Ends one LRE but starts another)	Enrollment State Status is one of the following: WK, WD, or WP OR Enrollment State Status is W1 AND there IS a consecutive Enrollment in the same school year - school combination that starts the immediate next instructional day.
SPED10 (Withdrawn by parent request and no longer enrolled)	Enrollment State End Status is W6 AND Grade Level IS mapped to one of the following: PS, KG, or UE.
SPED13 (End of school year)	Enrollment End Date is equal to the Last Instructional Day of the associated Calendar AND the IEP is active as of the Last Instructional Day of the associated Calendar.
SPED14 (No longer eligible for PS Special Education)	Enrollment State Status is one of the following: W9, W21, W22, or W2 AND Grade Level IS mapped to PS.

		SPED01 (Transfer to regular education) Reports when no other code above is eligible to report. If something is changed that results in the record now being eligible to report a different code, this will be updated via a trigger.				
		NOTE: This mapping can be found in the Resource Preferences of the Ed-Fi Connection under the Student Special Education Program Associations resource. NOTE: If the Enrollment is part of a ZZZ chain of enrollments, uses the Enrollment End Date from the LAST enrollment in the ZZZ chain. See the ZZZ article for more information on specific logic.				

8	specialEducationSettingDescriptor (string)	<i>The major instructional setting (more than 50 percent of a student's special education program).</i> Report the Ed-Fi Code mapped to the value selected for SPED Setting in the Plan being reported. - This mapping can be found in the Resource Preferences of the Ed-Fi Connection under the Student Special Education Program Associations resource. - The database location for this data element changes based on the plan format being used. - Reports the Ed-Fi Code mapped to the value selected for SPED Setting in Enrollment if it cannot be determined from the Plan. - Does not report in all other situations.	M	Special Ed Documents Enrollments	New Plan Format (SY 23-24 and forward): SEPGenericForm . vcMax3 Old Plan Format (SY 22-23 and prior): PlanState . specialEdSetting Enrollment . specialEdSetting	✖
9	mainSPEDSchool (boolean)	<i>A flag indicating if this is Primary school for SPED concurrency or not</i> - Report True when reporting for the Primary SPED Services School. - Report False in all other situations.	M	Special Ed Documents	New Plan Format (SY 23-24 and forward): SEPGenericForm . vcMax1 Old Plan Format (SY 22-23 and prior): PlanState . stateValue1	EXT
10	assessmentOutcomes (array)		C			EXT

	<i>An unordered collection of studentSpecial EducationProgram AssociationAssessment Outcomes. This entity collection represents the SPED outcomes of students at an education organization.</i> Reports the following data elements in an array when the student has an Evaluation where the Evaluation Date is within the IEP Start and End Date AND the Outcomes Editor has values entered: • assessmentCategoryDescriptor ◦ Reports SPSC01 when reporting from <i>Positive social-emotional skills (including social relationships) outcomes summary.</i> ◦ Reports SPSC02 when reporting from <i>Acquisition and use of knowledge and skills (including early language /communication and early literacy) outcomes summary.</i> ◦ Reports SPSC03 when reporting from <i>Use of appropriate behaviors to meet their needs outcomes summary.</i> • assessmentPeriodDescriptor ◦ Reports SPSE01 when the Evaluation Type is <i>Initial</i> or <i>Entry</i>. ◦ Reports SPSE02 when the Evaluation Type is <i>Exit</i> or <i>End of Year</i>. • assessmentOutcomesSummaryDescriptor ◦ Reports SPSOC01 when the dropdown value selected is <i>Overall not age appropriate: Does not yet show functioning expected in any situation, does not show immediate foundational skills in any situation.</i>	Special Ed Documents	New Plan Format (SY 23-24 and forward): SEPGenericForm .vcMax1 through .vcMax3 SEPGenericForm .tinyint1 through .tinyint3 Old Plan Format (SY 22-23 and prior): Evaluation .type Evaluation .assessmentCategory Evaluation .assessmentOutcome	
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- Reports **SPSOC02** when the dropdown value selected is *Overall not age appropriate: Occasionally uses immediate foundational skills across settings and situations.*
- Reports **SPSOC03** when the dropdown value selected is *Overall not age appropriate: Uses immediate foundational skills most or all of the time across settings and situation.*
- Reports **SPSOC04** when the dropdown value selected is *Overall not age appropriate: Shows occasional age-appropriate functioning across settings and situations.*
- Reports **SPSOC05** when the dropdown value selected is *Overall not age appropriate: Shows functioning expected for his or her age some of the time and/or in some settings and situations.*
- Reports **SPSOC06** when the dropdown value selected is *Age appropriate: Functioning generally is considered appropriate for his or her age, but there are some significant concerns about the child's functioning in this outcome area.*
- Reports **SPSOC07** when the dropdown value selected is *Age appropriate: Shows functioning expected for his or her age in all or almost all everyday situations that are part of the child's life.*
- Does not report when the dropdown value is NULL.

		• isProgressMade ◦ Reports True when <i>Has progress been made?</i> has Yes checked. ◦ Reports False in all other situations.				
11	disabilities	This data element is optional and does not report.	O	N/A	N/A	N/A
12	endDate	This data element is optional and does not report.	O	N/A	N/A	N/A
13	iepBeginDate	This data element is optional and does not report.	O	N/A	N/A	N/A
14	iepEndDate	This data element is optional and does not report.	O	N/A	N/A	N/A
15	iepReviewDate	This data element is optional and does not report.	O	N/A	N/A	N/A
16	lastEvaluationDate	This data element is optional and does not report.	O	N/A	N/A	N/A
17	medicallyFragile	This data element is optional and does not report.	O	N/A	N/A	N/A
18	multiplyDisabled	This data element is optional and does not report.	O	N/A	N/A	N/A
19	participationStatus	This data element is optional and does not report.	O	N/A	N/A	N/A
20	programParticipationStatuses	This data element is optional and does not report.	O	N/A	N/A	N/A
21	reasonExitedDescriptor	This data element is optional and does not report.	O	N/A	N/A	N/A
22	schoolHoursPerWeek	This data element is optional and does not report.	O	N/A	N/A	N/A

23	servedOutsideOfRegularSession	This data element is optional and does not report.	O	N/A	N/A	N/A
24	serviceProviders	This data element is optional and does not report.	O	N/A	N/A	N/A
25	specialEducationHoursPerWeek	This data element is optional and does not report.	O	N/A	N/A	N/A
26	specialEducationProgramServices	This data element is optional and does not report.	O	N/A	N/A	N/A

Appendix