

GA Ed-Fi Suite v3.6.2, Data Standard v4.0: Student School Associations

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Summary

This association represents the school in which a student is enrolled

Object Triggering Logic

Action	Business Rule(s)
Post	<p>When a new enrollment is saved for a student.</p> <ul style="list-style-type: none">• A record will report for each distinct enrollment in a School and enrollment start date.• When a student has two enrollments in the same School, Calendar, and Schedule Structure with the same start date, report from the enrollment service type in the following order:<ul style="list-style-type: none">◦ P: Primary Enrollment◦ S: Partial/Ancillary◦ N: Special Ed Services• When a student has two Primary enrollments in the same school with the same start date, post the record with the highest enrollment ID.• Do not send a record if any of the following exclusions are present:<ul style="list-style-type: none">◦ Enrollment State Exclude◦ Enrollment Grade Exclude from State Reporting◦ Calendar Exclude◦ School Exclude

Delete /Post Put	<p>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.</p> <ul style="list-style-type: none"> • When the following information is changed on the Enrollment: <ul style="list-style-type: none"> ◦ Enrollment ID (New Enrollment) ◦ Start Date ◦ End Date ◦ Grade ◦ Start Status ◦ End Status ◦ End Action ◦ Resident Status ◦ Date First Entered the 9th Grade ◦ Prior Ten Days Override ◦ Immigrant Participation Program ◦ Title III Served ◦ School Override • When the following information is changed on the FTE Heads Up tab (Custom tab created by K-12): <ul style="list-style-type: none"> ◦ FTE Program Code Override ◦ IEP Inclusion Type Override ◦ Inclusion Personnel Override ◦ Itinerant Teacher Override ◦ Received Supplemental Speech Services Override ◦ Transported for Section Override
Delete	<ul style="list-style-type: none"> • When an enrollment is deleted. • When an enrollment is now excluded in some way.

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Schools (Pre-populated)
- Students
- Calendars

Dependent Resources (Downstream)

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

- All student-based resources
 - To send resources for any given student, a Student School Association must first be sent to establish the link between the school and the student.

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. <ul style="list-style-type: none">• 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. <ul style="list-style-type: none">• 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.

<p>403: Authorization denied. The claim does not have any established relationships with the requested resource.</p>	<p>The key/secret being used does not have permission to send a record for the resource / referenced resource.</p> <ul style="list-style-type: none"> • 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.
<p>404: Failed to delete 'RESOURCE'. Record does not exist.</p>	<p>The attempt to delete a specific Ed-Fi record ID in the ODS failed because it did not exist.</p> <ul style="list-style-type: none"> • This error can be ignored. The ID was cleared from the Ed-Fi Identity Mapping Report and will not attempt to delete again.
<p>409: A natural key conflict occurred when attempting to create a new resource 'RESOURCE' with a duplicate key.</p>	<p>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.</p> <ul style="list-style-type: none"> • Check for duplicate data in your Campus site. If no duplicate data can be found, report the issue to Campus Support. <ul style="list-style-type: none"> ◦ 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.
<p>409: The resource (or a subordinate entity of the resource) cannot be deleted because it is a dependency of the 'RESOURCE' entity.</p>	<p>The resource that the application is attempting to delete is referenced from another entity.</p> <ul style="list-style-type: none"> • 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.	<p>Something unexpected happened and no specific error message could be returned.</p> <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> ◦ 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.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	entryDate (date)	<p><i>The month, day, and year on which an individual enters and begins to receive instructional services in a school.</i></p> <hr/> <p>Report the Start Date.</p> <ul style="list-style-type: none"> Reports 06/16/StartYear if the No Show checkbox is checked AND the End Status is <i>U: Unknown</i>. 	M	Enrollment	Enrollment.startDate	✗

2	calendarReference (reference)	<p><i>A reference to the Calendars resource associated with the Student School Associations being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Calendars resource.</p> <ul style="list-style-type: none"> If the School Override field is populated on the Enrollment, select an arbitrary Calendar record from the Override School in the current configuration year to report. <ul style="list-style-type: none"> The Calendar record must be for a calendarTypeDescriptor of "School." Do not report if no Calendar records from the Override School with calendarTypeDescriptor "School" exist in the current configuration year. 	M	N/A	N/A	✖
3	schoolReference (reference)	<p><i>A reference to the Schools resource associated with the Student School Associations being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi School ID <ul style="list-style-type: none"> If the School Override field is populated on the Enrollment, use the Ed-Fi School ID for the School Override selected. 	M	School Information	School.entityID EnrollmentGA.schoolOverride	✖

4	<i>schoolYearTypeReference (reference)</i>	<p><i>A reference to the School Years resource associated with the Student School Associations being reported.</i></p> <hr/> <p>Reports the End Year of the associated calendar.</p>	M	N/A	N/A	✓
5	studentReference (<i>reference</i>)	<p><i>A reference to the Students resource associated with the Student School Associations being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Students resource.</p>	M	N/A	N/A	✓
6	<i>entryGradeLevelDescriptor (string)</i>	<p><i>The grade level or primary instructional level at which a student enters and receives services in a school or an educational institution during a given academic session.</i></p> <hr/> <p>Reports the Ed-Fi Code mapped to the value selected for Grade.</p>	M	Enrollment	Enrollment.grade	✓
7	<i>entryTypeDescriptor (string)</i>	<p><i>The process by which a student enters a school during a given academic session.</i></p> <hr/> <p>Reports the Ed-Fi Code mapped to the value selected for Start Status.</p>	M	Enrollment	Enrollment.startStatus	✓

8	exitWithdrawDate (date)	<p><i>The recorded exit or withdraw date for the student.</i></p> <hr/> <p>Report the End Date.</p> <ul style="list-style-type: none"> • Reports 06/16/StartYear if the No Show checkbox is checked AND the End Status is <i>U: Unknown</i>. 	C	Enrollment	Enrollment.endDate	✗
9	exitWithdrawTypeDescriptor (string)	<p><i>The circumstances under which the student exited from membership in an educational institution.</i></p> <hr/> <p>Reports the Ed-Fi Code mapped to the value selected for End Status.</p> <p>1. Report '0' when No Show Checkbox is marked on the enrollment</p>	C	Enrollment	Enrollment.endStatus	✓
10	repeatGradeIndicator (boolean)	<p><i>An indicator of whether the student is enrolling to repeat a grade level, either by failure or an agreement to hold the student back.</i></p> <hr/> <ul style="list-style-type: none"> • Report True when the student's last enrollment record prior to the current enrollment has an End Action of "R: Retain." • Report False in all other situations. 	M	Enrollment	Enrollment.endAction	✓

11	residencyStatusDescriptor (string)	<p><i>An indication of the location of a persons legal residence relative to (within or outside of) the boundaries of the public school attended and its administrative unit.</i></p> <hr/> <p>Report the Ed-Fi Code mapped to the value selected for Resident Status.</p>	M	Enrollment	EnrollmentGA.residentStatus	✖
12	dateEntered9thGrade (date)	<p><i>Date the student enrolled in the 9th grade for the first time</i></p> <hr/> <p>Report the date entered on Date First Entered the 9th Grade.</p> <ul style="list-style-type: none"> • This will only report for enrollments where the grade is mapped to the state grade level of 09, 10, 11, or 12. • This will NOT report for enrollments that do not map to the above state grade levels, even if the Date First Entered the 9th Grade field is populated due to a future-dated enrollment. 	C	Graduation	Graduation.grade9Date	EXT

13	priorTenDays (boolean)	<p><i>Indicates Prior Ten Days</i></p> <hr/> <ul style="list-style-type: none"> Look at the "Prior 10 Days Override" field on Enrollment first: <ul style="list-style-type: none"> Report True if set to "Y: Yes - Present" Report False if set to "N: No - Not Present" If "Prior 10 Days Override" is NULL: <ul style="list-style-type: none"> Report True if the current value in prior10DaysCalc = 1 Report False in all other situations. 	M	Enrollment	<p>EnrollmentGA.priorDaysOverride</p> <p>EnrollmentGA.prior10DaysCalc</p>	EXT
14	summerImmigrantProgramParticipation (boolean)	<p><i>Indicates Summer Immigrant Program Participation</i></p> <hr/> <ul style="list-style-type: none"> Report True if the code selected on Immigrant Participation Program (on Enrollment) is "B" or "S". Else report False. 	M	Enrollment	EnrollmentGA.immigrantProgram	EXT
15	summerTitleIIIServed (boolean)	<p><i>Indicates summer TitleIII Served</i></p> <hr/> <ul style="list-style-type: none"> Report True if the code selected on Title III Served (on Enrollment) is "B" or "S". Else report False. 	M	Enrollment	EnrollmentGA.titleIIIServed	EXT
16	fteSegments (array)	<p><i>An unordered collection of studentSchoolAssociationFteSegments. Collection of FTE Segments</i></p> <hr/>	M	FTE Heads Up (Custom K-12 Solutions tab)	<p>Replace "1" with "2, 3, 4, 5, or 6" to get the respective segment values:</p> <p>EnrollmentGA.fteProgramCode1</p>	EXT

Reports an array with 6 distinct records within it (One per segment). The database fields are named the same but distinguished with the segment number as the last character. Logic will remain the same across all 6 distinct records, but they will use their respective database fields.

EnrollmentGA.
fteProgramCalc1

EnrollmentGA.
inclusion1

EnrollmentGA.
inclusionCalc1

EnrollmentGA.
itinerant

EnrollmentGA.
supplementalSpeech

EnrollmentGA.
transported

EnrollmentGA.
enrollmentLocation1

EnrollmentGA.
enrollmentLocCalc1

		<ul style="list-style-type: none"> • fteProgramCodeDescriptor <ul style="list-style-type: none"> ○ Report the value entered in fteProgramCode1 first if present (override). ○ Report the value entered in fteProgramCalc1 otherwise. ○ Default to O (Other - Not State Funded) if both database fields are NULL. • inclusionPersonnelDescriptor <ul style="list-style-type: none"> ○ Report the value entered in inclusion1 first if present (override). ○ Report the value entered in inclusionCalc1 otherwise. ○ Default to N (None) if both database fields are NULL. • itinerantTeacherSpecialEducationServices <ul style="list-style-type: none"> ○ Report the value entered in itinerant. • receivedSupplementalSpeechServices <ul style="list-style-type: none"> ○ Report the value entered in supplementalSpeech. • segmentNumber <ul style="list-style-type: none"> ○ Report the number of the segment being reported. ○ "1" for Segment 1, "2" for Segment 2, etc. • transportedForSection <ul style="list-style-type: none"> ○ Report the value entered in transported. • enrollmentLocationDescriptor <ul style="list-style-type: none"> ○ Report the value entered in enrollmentLocation1 first if present (override). ○ Report the value entered in enrollmentLocCalc1 otherwise. ○ Default to 1 (K-12 Campus) if both database fields are NULL. 			
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17	esolSegments (number)	<p>The circumstances under which the student exited from membership in an educational institution.</p> <hr/> <p>Reports based on the EL Service Type of ESOL0 - ESOL5 if that service overlaps the dates of the student's enrollment.</p> <ul style="list-style-type: none">The student must have Program Status = "EL".<table><thead><tr><th>EL Service Type</th><th>Reports</th></tr></thead><tbody><tr><td>ESOL0</td><td>0</td></tr><tr><td>ESOL1</td><td>1</td></tr><tr><td>ESOL2</td><td>2</td></tr><tr><td>ESOL3</td><td>3</td></tr><tr><td>ESOL4</td><td>4</td></tr><tr><td>ESOL5</td><td>5</td></tr></tbody></table>	EL Service Type	Reports	ESOL0	0	ESOL1	1	ESOL2	2	ESOL3	3	ESOL4	4	ESOL5	5	C	English Learners (EL)	N/A	EXT
EL Service Type	Reports																			
ESOL0	0																			
ESOL1	1																			
ESOL2	2																			
ESOL3	3																			
ESOL4	4																			
ESOL5	5																			
18	childFindStatusDescriptor (string)	<p>Indicates Child Find Status</p> <hr/> <p>Reports the Ed-Fi Code mapped to the value selected for Child Find.</p> <ul style="list-style-type: none">Do not report if NULL.	C	Enrollment	EnrollmentGA. childFind	EXT														

19	noShowStudent (<i>boolean</i>)	<i>Indicates No Show Student</i> <hr/> <ul style="list-style-type: none"> • Reports True if the No Show checkbox is checked. • Reports False in all other situations 	M	Enrollment	Enrollment.noShow	EXT
20	giftedServedDescriptor (<i>string</i>)	<i>Indicates Gifted Served</i> <hr/> <p>Reports the Ed-Fi Code mapped to Gifted Served on the student's most recent Gifted Services record that overlaps the enrollment being reported.</p> <ul style="list-style-type: none"> • Do not report if NULL. 	C	Gifted Services	GiftedService.serviceType	EXT
21	asvabScore (<i>number</i>)	<i>Indicates Armed Services Vocational Aptitude Battery (ASVAB) score</i> <hr/> <p>Reports the Result from the assessment with a Name of <i>ASVAB SR</i> and a District Test Code of <i>AFQT SR</i>.</p> <ul style="list-style-type: none"> • Does not report if no assessments matching the criteria can be found. • If there are multiple assessments that match the criteria, orders by the Result descending. • The result must be a number from 0 to 99. 	C	Assessments	TestScore.result	EXT

22	StudentSupportTeamParticipant	<i>Student Support Team Participant</i> <hr/> <ul style="list-style-type: none"> • Reports when 'SST' checkbox on Enrollment is marked • Else, does not report 	C	Enrollment	EnrollmentGA.sst	EXT
23	DualImmersion	<i>Dual Immersion</i> <hr/> <ul style="list-style-type: none"> • Reports when Grad Program on Graduation is set to a value that is mapped to an Ed-Fi Code of "SB2 - Dual Enrollment". • Else, does not report 	C	Enrollment	EnrollmentGA.dli	EXT
24	ImmigrantProgramParticipant	<i>Immigrant Program Participant</i> <hr/> <ul style="list-style-type: none"> • Reports when Immigrant Participation Program on Enrollment is set to a value that is mapped to an Ed-Fi Code of "Immigrant Program Participation". • Else does not report. 	C	Enrollment	EnrollmentGA.immigrantProgram	EXT
25	SBDualEnrollment	<i>SB2 Dual Enrollment</i> <hr/> <ul style="list-style-type: none"> • Reports when Grad Program on Graduation is set to a value that is mapped to an Ed-Fi Code of "SB2 - Dual Enrollment". • Else, does not report. 	C	Enrollment	Graduation.graduationOptions	EXT

26	TitleITargetedAssistanceParticipation	<i>Title I Targeted Assistance Participation</i> <hr/> <ul style="list-style-type: none"> • Reports when Nutrition checkbox on Enrollment is checked. • Else, does not report. 	C	Enrollment	EnrollmentGA. title1Nutrition	EXT
27	CCANonTraditional	<i>Identifies homeschool or private school students attending a CCA non-traditional school</i> <hr/> <ul style="list-style-type: none"> • Reports 'Y' if checkbox on enrollment is marked • Else, reports 'N' 	C	Enrollment	tbd	EXT
28	classOfSchoolYearTypeReference	This is optional, does not report.	O	N/A	N/A	N/A
29	graduationPlanReference	This is optional, does not report.	O	N/A	N/A	N/A
30	schoolYearTypeReference	This is optional, does not report.	O	N/A	N/A	N/A
31	alternativeGraduationPlans	This is optional, does not report.	O	N/A	N/A	N/A
32	educationPlans	This is optional, does not report.	O	N/A	N/A	N/A
33	employedWhileEnrolled	This is optional, does not report.	O	N/A	N/A	N/A
34	entryGradeLevelReasonDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
35	fullTimeEquivalency	This is optional, does not report.	O	N/A	N/A	N/A
36	primarySchool	This is optional, does not report.	O	N/A	N/A	N/A
37	schoolChoiceTransfer	This is optional, does not report.	O	N/A	N/A	N/A
38	termCompletionIndicator	This is optional, does not report.	O	N/A	N/A	N/A

Appendix