

IN Ed-Fi Suite v7.3, Data Standard v5.2: Student Education Organization 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>Reports a record when an enrollment is created for a person and the enrollment overlaps the configured year.</p> <ul style="list-style-type: none">• Do not report a record if the any of the following exclusions are present:<ul style="list-style-type: none">◦ Enrollment State Exclude◦ Enrollment No Show◦ Enrollment Grade Exclude from State Reporting◦ Enrollment Type is <i>N: Special Ed Services</i> AND the Membership Exclude checkbox is checked.◦ Calendar Exclude◦ School Exclude
DELETE / POST	<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>

PUT

- When the following information on a student's identity record is changed:
 - Identity ID (New Identity record)
 - Race/Ethnicity (checkboxes)
 - "Is the individual Hispanic/Latino?"
 - Legal Gender
 - Gender
 - Home Primary Language
 - Date Entered US School
- When a student's Limited English Proficiency (LEP) (Also known as English Learners (EL) or Multilingual Learners (ML)) information changes on any of the following fields:
 - Exit Date
 - Identified Date
 - Parent Declined
 - Program Status
- When a student's address information changes on any of the following fields:
 - Apt
 - City
 - County
 - Direction
 - Number
 - P.O. Box
 - Prefix
 - State
 - Street
 - Tag
 - Zip
- When a student's Household Location information changes on any of the following fields:
 - Start Date
 - End Date
 - Physical
 - Private

	<ul style="list-style-type: none"> • When a student's Household Membership information changes on any of the following fields: <ul style="list-style-type: none"> ◦ Start Date ◦ End Date ◦ Private ◦ LocationID • When a student's contact information changes on any of the following fields: <ul style="list-style-type: none"> ◦ Email ◦ Email Private ◦ Secondary Email ◦ Secondary Email Private ◦ Cell Phone ◦ Cell Phone Private ◦ Other Phone ◦ Other Phone Private ◦ Work Phone ◦ Work Phone Private ◦ Pager ◦ Pager Private • When the student's locked IEP disability information is changed. • When the student's test scores are created, added, or changed. • When a test setup information is changed on any of the following fields: <ul style="list-style-type: none"> ◦ Assessment Type ◦ Code ◦ State Code • When a student's Digital Equity program information is changed on the following fields: <ul style="list-style-type: none"> ◦ Internet Access in Residence
DELETE	<ul style="list-style-type: none"> • When all reportable enrollments are deleted for the person. • When the enrollment is excluded in some way.

Required Resources (Upstream)

The following resources must be sent prior to this resource:

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

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

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	education OrganizationReference (reference)	<p><i>A reference to the Local Education Agencies resource associated with the Student Education Organization Association being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Local Education Agencies resource.</p> <ul style="list-style-type: none"> educationOrganizationId = 10 + State District Number + 0000 	M	District Information	District .number	✓

2	studentReference (<i>reference</i>)	<p><i>A reference to the Students resource associated with the Student Education Organization Association 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	✓
3	addresses (<i>array</i>)	<p><i>An unordered collection of studentEducation OrganizationAssociation Addresses. The set of elements that describes an address, including the street address, city, state, and ZIP code.</i></p> <hr/> <p>Reports the below data elements in an array for the address marked as "Mailing" with the earliest membership start date. Do not report addresses marked as "Private":</p>	M	Household Addresses Household Membership	HouseholdLocation . mailing HouseholdMember . startDate HouseholdMember . endDate HouseholdLocation . startDate HouseholdLocation . endDate Address .state Address .apt Address .city Address .zip Address .postOfficeBox Address .number Address .street	✓

		<ul style="list-style-type: none"> • addressTypeDescriptor <ul style="list-style-type: none"> ◦ Reports as Home (Hard-Coded) • stateAbbreviationDescriptor <ul style="list-style-type: none"> ◦ Reports the Ed-Fi Code mapped to the value being reported for State • apartmentRoomSuiteNumber <ul style="list-style-type: none"> ◦ Reports the Apt • city <ul style="list-style-type: none"> ◦ Reports the City • postalCode <ul style="list-style-type: none"> ◦ Reports the Zip Code • streetNumberName <ul style="list-style-type: none"> ◦ Reports as: PO Box + Number + Street + Tag + Prefix + Dir • nameOfCounty <ul style="list-style-type: none"> ◦ Reports the County • periods <ul style="list-style-type: none"> ◦ beginDate <ul style="list-style-type: none"> ▪ Report the Start Date of the household membership for this address. ◦ endDate <ul style="list-style-type: none"> ▪ Report the End Date of the household membership for this address. 			Address .tag Address .prefix Address .dir Address .county	
4	disabilities (array)		O	SPED Documents Enrollment	PlanState .disability1 through PlanState .disability5	✓

An unordered collection of studentEducation OrganizationAssociation Disabilities. The disability condition(s) that best describes an individual's impairment, as determined by evaluation(s) conducted by the education organization.

Reports the following data elements in an array:

- disabilityDescriptor
 - Reports the Ed-Fi Code mapped to the value selected for **Disability 1 through Disability 5** (Primary Disability, Secondary Disability, etc.).
- orderOfDisability
 - Reports the **Number** of the disability reporting.
 - Example: Disability 1 (Primary Disability) reports as "1".

Additional Logic:

Enrollment .disability1 through Enrollment .disability5

SpecialEdState .disability1 through SpecialEdState .disability5

		<ul style="list-style-type: none"> • Our logic will look at the following locations in Campus in the following order to determine which disabilities to report: <ul style="list-style-type: none"> ◦ Locked IEP ◦ Enrollment ◦ SpecialEdState database table (This is generally used with a "State Reporting" tab which Indiana does not have) • If no disabilities are found in any of the above locations, this array is not reported. 				
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5	electronicMails (array)	<p><i>An unordered collection of studentEducation OrganizationAssociation ElectronicMails. The numbers, letters, and symbols used to identify an electronic mail (e-mail) user within the network to which the individual or organization belongs.</i></p> <hr/> <p>Reports the following data elements in an array for the email(s) that are NOT marked as Private:</p> <ul style="list-style-type: none"> • electronicMailTypeDescriptor <ul style="list-style-type: none"> ◦ Reports Organization (Hard-Coded) • electronicMailAddress <ul style="list-style-type: none"> ◦ Reports the Email Address being reported. • primaryEmailAddressIndicator <ul style="list-style-type: none"> ◦ Reports True when reporting from (Primary) Email. ◦ Reports False in all other situations. 	O	Demographics	Contact .email Contact .secondaryEmail	✖
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6	hispanicLatino Ethnicity (boolean)	<p><i>An indication that the individual traces his or her origin or descent to Mexico, Puerto Rico, Cuba, Central, and South America, and other Spanish cultures, regardless of race, as last reported to the education organization. The term, "Spanish origin," can be used in addition to "Hispanic or Latino."</i></p> <hr/> <ul style="list-style-type: none">• Report True when "*Is the individual Hispanic/Latino?" is set to Yes on the current Identity record.• Report False in all other situations.	M	Identity	Identity .hispanicEthnicity	✓
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7	internetAccess InResidence (boolean)	<p><i>An indication of whether the student is able to access the internet in their primary place of residence.</i></p> <hr/> <ul style="list-style-type: none"> • Report True if the student has an active Digital Equity program where Internet Access in Residence is set to <i>Yes: Yes-Internet Access in Residence</i>. • Report False If the student has a Digital Equity program where Internet Access in Residence is set to any other value other than <i>Yes: Yes-Internet Access in Residence</i> or NULL. • Do not report if the student does not have a Digital Equity program or Internet Access in Residence is NULL. 	O	Digital Equity	DitigalEquity . internetAccessInResidence	✖
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8	languages (array)	<p><i>An unordered collection of studentEducation OrganizationAssociation Languages. The language(s) the individual uses to communicate. It is strongly recommended that entries use only ISO 639-3 language codes.</i></p> <hr/> <p>Reports the following data elements in an array:</p> <ul style="list-style-type: none"> languageDescriptor <ul style="list-style-type: none"> Reports the Home Primary Language. uses <ul style="list-style-type: none"> languageUseDescriptor <ul style="list-style-type: none"> Report Home Language (Hard-Coded). 	O	Identity	Identity . homePrimaryLanguage	✓
9	limitedEnglish ProficiencyDescriptor (string)	<p><i>An unordered collection of studentEducation OrganizationAssociation Languages. The language(s) the individual uses to communicate. It is strongly recommended that entries use only ISO 639-3 language codes.</i></p> <hr/> <p>General Notes:</p> <ul style="list-style-type: none"> An EL record must be present for student EL assessment data to send. <p>Override Logic:</p>	C	English Learners (EL) Assessments	Lep . englishProficiencyOverride Test .stateCode Test .assessmentType Test .code TestScore .result	✗

- Report the **English Proficiency Override** if it has a value.

Calculation Logic:

- EL Assessment selection logic is then processed to find the assessment to pull data from. Only assessments with a State Test and State Code 1-6, 05, 06, 10, 11, 12 **OR** a District Test and Code 7-9 may be selected:
 - Select the most recent assessment with assessment type 'LPF' where EL Assessment Date <= 6/30
 - If the above is not found, select the most recent assessment with assessment type 'LID' where EL Assessment Date <= 6/30
 - If multiple 'LPF' or 'LID' assessments exist on the same EL Assessment Date, then use the assessment with the highest ID

		<ul style="list-style-type: none"> Once a valid EL assessment has been identified for the student, check to see if the following override logic can be applied: <ul style="list-style-type: none"> If the student is in State Grade 'PK', report 0 If the student has Birth Country not equal to 'USA', Home Primary Language of 'English', and State Grade other than 'PK', report NES If the above override logic does not apply to the student, report based on the Result Code: <ul style="list-style-type: none"> e.g. Result Code of 'FNA' reports 'FNA' e.g. Result Code of '3.4' reports '3.4' If the Result Code is not a valid value, use the next most recent valid assessment Do not report if no valid assessments exist and no other value is determined. 				
10	<p><i>rac</i>es (<i>array</i>)</p>		M	Identity	<p>Identity .raceEthnicity</p> <p>Identity .hispanicEthnicity</p> <p>RaceEthnicity .raceID</p>	✖

An unordered collection of studentEducation Organization AssociationRaces. The general racial category which most clearly reflects the individual's recognition of his or her community or with which the individual most identifies as last reported to the education organization. The data model allows for multiple entries so that each individual can specify all appropriate races.

Reports the below data elements in an array:

		<ul style="list-style-type: none"> • raceDescriptor <ul style="list-style-type: none"> ○ Report the Ed-Fi Code mapped to the race selected in the checkboxes on the person's current Identity record. ○ If multiple checkboxes are checked, report Multiracial (two or more races). ○ If <i>Is the individual Hispanic /Latino?</i> is Y:Yes, report Hispanic Ethnicity and of any race. ○ Reporting priority: <ul style="list-style-type: none"> ■ Hispanic Ethnicity and of any race ■ Multiracial (two or more races) ■ Ed-Fi Code mapped to the single checkbox selection ○ Do not report if the person does not have a Race /Ethnicity checked or there is not a corresponding mapping in Resource Preferences. 				
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11	sexDescriptor (<i>string</i>)	<p><i>The student's gender as last reported to the education organization.</i></p> <hr/> <ul style="list-style-type: none"> Report based on the Legal Gender from the current Identity record. <ul style="list-style-type: none"> If Legal Gender is NULL, report based on the Gender. Report the following based on the value selected for (Legal) Gender: <ul style="list-style-type: none"> Female report Female Male report Male All other values, report Not Selected 	M	Identity	Identity .legalGender Identity .gender	✖
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12	telephones (array)	<p><i>An unordered collection of studentEducation OrganizationAssociation Telephones. The 10-digit telephone number, including the area code, for the person.</i></p> <hr/> <p>Report the following data elements in an array for all telephone numbers NOT marked as Private:</p> <ul style="list-style-type: none"> • telephoneNumberTypeDescriptor <ul style="list-style-type: none"> ◦ Reports Mobile (Hard-Coded) for Cell Phone. ◦ Reports Home (Hard-Coded) for Other Phone. ◦ Reports Work (Hard-Coded) for Work Phone. ◦ Reports Other (Hard-Coded) for Pager. • telephoneNumber <ul style="list-style-type: none"> ◦ Reports the Telephone Number. 	M	Demographics	Contact .cellPhone Contact .otherPhone Contact .workPhone Contact .pager	✓
13	ellInstrument UsedDescriptor (string)	<p><i>The instrument (assessment) used to measure the English proficiency level.</i></p> <hr/> <p>General Notes:</p> <ul style="list-style-type: none"> • An EL record must be present for student EL assessment data to send. <p>Override Logic:</p>	C	English Learners (EL)	Lep . assessmentUsedOverride Test .stateCode Test .assessmentType Test .code TestScore .result	EXT

- Report the **Assessment Used Override** if it has a value.

Calculation Logic:

- EL Assessment selection logic is then processed to find the assessment to pull data from. Only assessments with a State Test and State Code 1-6, 05, 06, 10, 11, 12 **OR** a District Test and Code 7-9 may be selected:
 - Select the most recent assessment with assessment type 'LPF' where EL Assessment Date <= 6/30
 - If the above is not found, select the most recent assessment with assessment type 'LID' where EL Assessment Date <= 6/30
 - If multiple 'LPF' or 'LID' assessments exist on the same EL Assessment Date, then use the assessment with the highest ID
- Once a valid EL assessment has been identified for the student, check to see if the following override logic can be applied:
 - If the student is in State Grade 'PK', report **7**
 - If the student has Birth Country not equal to 'USA', Home Primary Language of 'English', and State Grade other than 'PK', report **7**
- If the above override logic does not apply to the student, report based on the following logic:

- If the EL assessment selected has a Result Code of 1 - 4.9, OR a valid alphanumeric result ('A1', 'A2', 'A3', 'P1', 'P2', 'P3', 'A5'):
 - Report based on the table below

State Test State Code	Reports As
1, 2, 3, 4, 5, or 6	4
05	5
06	6

10, 11, 12	<p>The 'State Test State Code'</p> <p>(e.g. State Test State Code of '10', reports 10)</p> <p>(e.g. State Test State Code of '11', reports 11)</p>
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None (District Test)	<p>The 'Code'</p> <p>(e.g. District Test, Code of '8', reports 8)</p> <p>(e.g. District Test, Code of '9', reports 9)</p>
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- If the EL assessment selected has an assessment type of 'LPF' and a Result Code of 5 - 6:
 - Report based on the table above in Step 1a
- If the EL assessment selected has an assessment type of 'LID' and a Result Code of 5 - 6:
 - Report 7
- If the EL assessment selected has a Result Code of '8' or 'FNA':
 - Report 7
- If no assessment exists and no other value is determined:
 - Do not report.

14	usInitial SchoolEntry (date)	<i>US initial school entry date</i> Reports the Date Entered US School .	C	Identity	Identity . dateEnteredUSSchool	EXT
15	ancestryEthnicOrigins	This is optional, do not report.	O	N/A	N/A	N/A
16	barrierTo InternetAccess InResidence Descriptor	This is optional, do not report.	O	N/A	N/A	N/A
17	cohortYears	This is optional, do not report.	O	N/A	N/A	N/A
18	displacedStudents	This is optional, do not report.	O	N/A	N/A	N/A
19	genderIdentity	This is optional, do not report.	O	N/A	N/A	N/A
20	internationalAddresses	This is optional, do not report.	O	N/A	N/A	N/A
21	internetAccess TypeInResidence Descriptor	This is optional, do not report.	O	N/A	N/A	N/A
22	internetPerformance InResidence Descriptor	This is optional, do not report.	O	N/A	N/A	N/A
23	loginId	This is optional, do not report.	O	N/A	N/A	N/A
24	oldEthnicityDescriptor	This is optional, do not report.	O	N/A	N/A	N/A
25	primaryLearning DeviceAccess Descriptor	This is optional, do not report.	O	N/A	N/A	N/A
26	primaryLearning DeviceAwayFrom SchoolDescriptor	This is optional, do not report.	O	N/A	N/A	N/A
27	primaryLearning DeviceProvider Descriptor	This is optional, do not report.	O	N/A	N/A	N/A
28	profileThumbnail	This is optional, do not report.	O	N/A	N/A	N/A
29	programParticipations	This is optional, do not report.	O	N/A	N/A	N/A

30	studentCharacteristics	This is optional, do not report.	O	N/A	N/A	N/A
31	studentIndicators	This is optional, do not report.	O	N/A	N/A	N/A
32	student IdentificationCodes	This is optional, do not report.	O	N/A	N/A	N/A
33	supporterMilitaryConnectionDescriptor	This is optional, do not report.	O	N/A	N/A	N/A
34	tribalAffiliations	This is optional, do not report.	O	N/A	N/A	N/A

Appendix