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

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Summary

This association represents student information as reported in the context of the student's relationship to the education organization. Enrollment relationship semantics are covered by StudentSchoolAssociation.

Object Triggering Logic

Action	Business Rules

Post	Reports a record when an Enrollment is saved and overlaps the configured year.
	- Does **not** trigger when a student's LEP information is changed (Program Status, Identified Date, LEP Exit Date, Parent Refused) - 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 - 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.

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
- When any of the following information is changed on Identity:
  - Identity ID (New Identity)
  - Effective Date
  - Gender
  - US Entry Type
  - Home Primary Language
  - Race Checkboxes
  - Is the individual Hispanic/Latino?
- When any of the following information is changed on Demographics:
  - Ed-Fi ID
  - Local Student Number
  - Student State ID
  - Email
  - Email Private
  - Cell Phone
  - Cell Phone Private
  - Other Phone
  - Other Phone Private
  - Work Phone

- Work Phone Private
- Pager
- Pager Private
- When any of the following information is changed on Relationships:
  - Relationship ID (New Relationship)
  - Guardian
  - Start Date
  - End Date
- When any of the following information is changed on Household Membership:
  - Household Membership ID (New Household Membership)
  - Start Date
  - End Date
  - Private
  - Secondary
- When any of the following information is changed on Household Location:
  - Household Location ID (New Household Location)
  - Start Date
  - End Date
  - Private
  - Secondary
  - Mailing
- When any of the following information is changed on Address Information:
  - Address ID (New Address)
  - P.O. Box

- Number
- Prefix
- Street
- Tag
- Direction
- Apt
- City
- State
- Zip
- When any of the following information is changed on Foster Care:
  - Foster Care ID (New Foster Care record)
  - Start Date
  - End Date
- When any of the following information is changed on Homeless:
  - Homeless ID (New Homeless record)
  - Start Date
  - End Date
  - Unaccompanied Youth
- When any of the following information is changed on FRAM Eligibility:
  - FRAM ID (New FRAM record)
  - Start Date
  - End Date
  - Eligibility Type
  - Eligibility
  - Source
  - Certified Type

- When any of the following information is changed on Military Connections:
  - Military Connections ID (New Military Connections record)
  - Start Date
  - End Date
  - Status
- When any of the following information is changed on Plans (SPED or RTI):
  - Plan ID (New Plan record)
  - Start Date
  - End Date
  - Status
  - Disability 1 through 5
- When any of the following information is changed on Special Ed State Reporting Tab records:
  - SPED ID (New SPED State Reporting Tab record)
  - Start Date
  - End Date
  - Disability 1 through 5
- When any of the following information is changed on English Learners (EL) records:
  - EL ID (New EL record)
  - EL Status
  - Identified Date
  - Program Exit Date
  - Parent Declined
- When any of the following information is changed on CTE records:

	- CTE ID (New CTE record)
	- Start Date
	- End Date
	- Displaced Homemaker
	- Pregnant
	- Single Parent
	- When any of the following information is changed on Flags:
	  - Flag ID (New Flag record)
	  - Start Date
	  - End Date
	- Changes to Resource Preferences mappings **do NOT trigger**. A manual resync must be performed on the resource if mappings are changed.

Delete	- When the student is now excluded in some way. - When the Enrollment is deleted. - When the Enrollment dates are changed 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.

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Local Education Agencies
- Students

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	**education Organization Reference**	*The identifier assigned to an education organization.* 1. Report reference to the Local Education Agency		District Information	District.entityID	 Preview

2	**student Reference**	*A reference to the student*
		
		- **studentUniqueId**
		  - A unique alphanumeric code assigned to a student.
		  - Reports the Ed-Fi ID of the Student
				Census > People > Demographics > Person Identifiers > Ed-Fi ID		
						Preview

| 3 | hispanicLatino Ethnicity (*boolean*) | *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."*

• Report **True** when "*Is the individual Hispanic/Latino?" is set to Yes on the current Identity record.
• Report **False** in all other situations. | | Census > People > Demographics | Identity .hispanicEthnicity | Preview |
| 4 | cohortYears | *The type and year of a cohort (e.g., 9th grade) the student belongs to as determined by the year that student entered a specific grade.*

1. Add four years to the school year when a student enters 9th grade.
2. If the Grad Year field in Index > Student Information > Graduation > State Reporting is populated, use this field as an override to send for the NCLB Cohort Year value. | M | Student Information > Graduation | | Preview |

| 5 | disabilities | *The disability condition(s) that best describes an individual's impairment, as determined by evaluation(s) conducted by the education organization.*

• **disabilityDescriptor**
  ◦ Report the Ed-Fi Code that is mapped to the Primary, Secondary or Tertiary Disability code on the enrollment from the Disability Descriptor on the Ed-Fi code value for each disability the student meets.
• **orderofDisability**
  ◦ Report '1' for Primary Disability
  ◦ Report '2' for Secondary Disability
  ◦ Report '3' for Tertiary Disability | O | Student Information > General > Enrollments > SpEd Fields > Primary / Secondary / Tertiary Disability | Enrollment.disability1

Enrollment.disability2

Enrollment.disability3 | Preview |
| 6 | languages | *The language(s) the individual uses to communicate. It is strongly recommended that entries use only ISO 639-3 language codes.*

• **languageDescriptor**
• **uses:** | O | Census > Demographics > Home Primary Language | Identity.homePrimaryLanguage | Preview |

| 7 | races | *The general racial category which most clearly reflects the individual's recognition of his or her community or with which the individual most identifies. The data model allows for multiple entries so that each individual can specify all appropriate races.*

 1. Determine the Race/Ethnicity(s) that are checked on the student's current identity record.
   a. Use the Identity Race Ethnicity table to determine all of the check boxes checked for the students current identity id.
2. Do not report if the person does not have a Race/Ethnicity checked.
3. Reports the following Array:
   ○ **raceDescriptor**
      ▪ Report the short description from the mapped Race Type | M | Census> People> Demographics > Race/Ethnicity | IdentityRaceEthnicity

and

racethnicity.raceid | Preview |

| 8 | sexDescriptor | *A person's gender.*

 1. Report the Legal Gender from the student's current identity record.
  ○ If null, report the student's Gender from the current Identity record.
 2. Report the following based on the value selected in the droplist.
  a. Female report 'Female'
  b. Male report 'Male'
  c. Blank report 'Not Selected' | M | Census> People> Demographics > Gender | Identity .gender | Preview |

| 9 | characteristics | *Reflects important characteristics of the student's home situation: Displaced Homemaker, Immigrant, Migratory, Military Parent, Pregnant Teen, Single Parent, and Unaccompanied Youth.*

1. Report the Ed-Fi Code Value from the Student Characteristic page linked below under Type/Descriptors NE based on the mapping provided for each characteristic the student meets
2. If the student has more than one enrollment, report from the Primary Enrollment.
   a. If the student does not have a Primary enrollment, then report from the enrollments with Service Types in the the following order:
      i. S: Ancillary Enrollment
      ii. N: Special Education
   b. If the student has multiple enrollments with the same service type, report from the most recent enrollment id
3. If a mapping is not found, do not report.

• **Student Characteristics Descriptor** *- Report when a student has a Flag that overlaps the enrollment and the Flag Name matches the Short Description of one of the Student Characteristic Descriptors.* | C | **Parent in Military:** Census> People> Military Connections

Single Parent: Student Info> General> Enrollment> State Reporting Fields> Single Parent

Foreign Exchange: Student Info > General > Enrollment > State Reporting Fields > Admission Status

Directory Information Opt Out: Student Info> General> Enrollment> State Reporting Fields> Directory Opt Out

High Ability Learner Eligible: Student | | ![Preview] Preview |

			Information > General > Enrollments > High Ability Learner **High Ability Learner Participant:** Student Information> General> Enrollments> High Ability Learner **Section 504:** Student Info> General> Enrollment> State reporting> 504 **Graduation Requirements Met:** **Student Information > General > Graduation**		

10	student Identification Codes	*A coding scheme that is used for identification and record-keeping purposes by schools, social services, or other agencies to refer to a student* • **studentIdentificationSystemDescriptor:**	M	Census> People> Demographics> Local Student Number and/or Student State ID	Person .studentNumber Person .stateID	Preview

11	indicator Name	*Indicator(s) or metric(s) computed for the student (e.g., at risk) to influence more effective education or direct specific interventions or for Digital Equity*		**Internet Access In Residence:** Student Information > Program Participation > State Programs > Digital Equity > Internet Access In Residence	**Internet Access In Residence:** digitalEquity. InternetAccessInResidence	Preview

Report each requirement that is met below

Student Indicator	Business Rule
Internet Access In Residence	If Internet Access In Residence is populated, report 'Internet Access In Residence'
Internet Access Type In Residence	If Internet Access Type In Res is populated, report 'Internet Access Type In Residence'
Internet Performance In Residence	If Internet Performance In Res is populated, report 'Internet Performance In Residence'
Primary Learning Device Away From School	If Primary Learning Device Away From S is populated, report 'Primary Leaning Device Away From School'

Internet Access Type In Residence:
Student Information > Program Participation > State Programs > Digital Equity > Internet Access Type In Res

Internet Performance In Residence:
Student Information > Program Participation > State Programs >

Internet Access Type In Residence:
digitalEquity. InternetAccessTypeInResidence

Internet Performance In Residence:
digitalEquity. InternetPerformance

Primary Learning Device Away From School:
digitalEquity.DigitalDevice

Primary Learning Device Access:
digitalEquity.DeviceAccess

Primary Learning Device Provider:
digitalEquity.DeviceProvider

Primary Learning Device Access	If Primary Learning Device Access is populated, report 'Primary Learning Device Access'	Digital Equity> Internet Performance In Res
Primary Learning Device Provider	If Primary Learning Device Away From S is populated, report 'Primary Leaning Device Away From School'	

Primary Learning Device Away From School:
Student Information > Program Participation > State Programs > Digital Equity > Primary Learning Device Away From School

Primary Learning Device Access:
Student Information > Program Participation > State Programs > Digital Equity > Primary Learning Device Access

Primary Learning Device Provider:
Student

| | | | | Information >
Program
Participation >
State Programs >
Digital Equity >
Primary Learning
Device Provider | | |

1 2	indicator	*Indicator(s) or metric(s) computed for the student (e.g., at risk) to influence more effective education or direct specific interventions or for Digital Equity*		**Internet Access In Residence:** Student Information > Program Participation > State Programs > Digital Equity > Internet Access In Residence	**Internet Access In Residence:** digitalEquity. InternetAccessInReside nce	Preview

Student Indicator	Code and Business Rule
Internet Access In Residence	If Internet Access In Residence is populated with one of the following of this category, report **Indicator Code** Yes: Yes NA: No-Not Available NA: No-Not Available NO: No-Not Affordable NO: No-Not Affordable Other: No-Other Other: No-Other Note: If there is more than one Digital Equity record, use the most recent

Internet Access Type In Residence: Student Information > Program Participation > State Programs > Digital Equity > Internet Access Type In Res

Internet Performance In Residence: Student Information > Program Participation > State Programs >

Internet Access Type In Residence: digitalEquity. InternetAccessTypeInRe sidence

Internet Performance In Residence: digitalEquity. InternetPerformance

Primary Learning Device Away From School: digitalEquity.DigitalDevic e

Primary Learning Device Access: digitalEquity.DeviceAcce ss

Primary Learning Device Provider: digitalEquity.DeviceProvi der

Internet Access Type In Residence	If Internet Access Type In Res is populated with one of the following of this category, report **Indicator** **Code** RB: ResidentialBroadband RB: ResidentialBroadband CN: CellularNetwork CN: CellularNetwork HP: SchoolProvidedHotSpot HP: SchoolProvidedHotSpot SA: Satellite SA: Satellite DU: Dial-up DU: Dial-up OT: Other OT: Other CW: Community Provided Wi-Fi CW: Community Provided Wi-Fi NA: None	Digital Equity> Internet Performance In Res **Primary Learning Device Away From School:** Student Information > Program Participation > State Programs > Digital Equity > Primary Learning Device Away From School **Primary Learning Device Access:** Student Information > Program Participation > State Programs > Digital Equity > Primary Learning Device Access **Primary Learning Device Provider:** Student		

	NA: None	Information > Program Participation > State Programs > Digital Equity > Primary Learning Device Provider
	UN: Unknown	
	UN: Unknown	
	Note: If there is more than one Digital Equity record, use the most recent	
Internet Performance In Residence	If Internet Performance In Res is populated with one of the following of this category, report	
	Indicator	
	Code	
	Yes: Yes	
	Yes: Yes	
	NC: Sometimes	
	NC: Sometimes	
	No: No	
	No: No	
	Note: If there is more than one Digital Equity record, use the most recent	

| Primary Learning Device Away From School | If Primary Learning Device Away From S is populated with one of the following of this category, report

Indicator

Code

DL: Desktop/Laptop

DL: Desktop/Laptop

TA: Tablet

TA: Tablet

CB: Chromebook

CB: Chromebook

SP: Smartphone

SP: Smartphone

NA: None

NA: None

OT: Other

OT: Other

Note: If there is more than one Digital Equity record, use the most recent |
|---|---|

Primary Learning Device Access	If Primary Learning Device Access is populated with one of the following of this category, report
	Indicator
	Code
	PD: Personal-Dedicated
	PD: Personal-Dedicated
	PS: Personal-Shared
	PS: Personal-Shared
	SD: School Provided-Dedicated
	SD: School Provided-Dedicated
	SS: School Provided-Shared
	SS: School Provided-Shared
	NA: None
	NA: None
	Note: If there is more than one Digital Equity record, use the most recent

Primary Learning Device Provider	If Primary Learning Device Provider is populated with one of the following of this category, report					
	Indicator					
	Code					
	P: Personal					
	P: Personal					
	S: School					
	S: School					
	O: Other					
	O: Other					
	Note: If there is more than one Digital Equity record, use the most recent					

1 3	immigrant Indicator Descriptor	*Reference to the description that best reflects the student's immigrant status.*	O	Student Information > General > Enrollments > State Reporting Fields > Immigrant	Enrollment. Immigrant	EXT

Reference to the description that best reflects the student's immigrant status.

1. First look at Student Information > General > Enrollment > "Immigrant";
   a. If it has a value, **report the Ed-Fi Code and stop**.
2. If it does not have a value, look at "Birth Country";
   a. If it is blank, **report out '0' and stop**.
   b. If it is not blank, look to see if it is either 2330: United States, 1790: Puerto Rico, 2340: United States Minor Outlying Islands or 2310: Virgin Islands, U.S.;
      i. If it is either of those values, **report out '0' and stop**.
   c. If it is anything else, look at "Date Entered US School";
      i. If it is blank, **report out '0' and stop.**
      ii. If it has a date saved, then use the following calculation to determine the output value:
         1. If a student's "Date Entered US School" is within the current academic year, then they would report out as a '1' for all of that academic year.
         2. If a student's "Date Entered US School" is on or before September 30th for the previous academic year, report a '2'.
            a. If a student's "Date Entered US School" is after September 30th for the previous academic year, report a '1'.
         3. If a student's "Date Entered US School" is on or before September 30th from the previous 2

academic years, report a '3'.

    a. If a student's "Date Entered US School" is after September 30th for the previous 2 academic years, report a '2'.

   4. If a student's "Date Entered US School" is after September 30th for the previous 3 academic years, report a '3'.

  d. Once student has progressed to a 3, report '3' for all future years.

3. If the student has more than one enrollment, report from the Primary Enrollment.

  a. If the student does not have a Primary enrollment, then report from the enrollments with Service Types in the the following order:

    i. S: Ancillary Enrollment

    ii. N: Special Education

  b. If the student has multiple enrollments with the same service type, report from earliest enrollment id.

| 14 | DisplacedStudents (array) | *An unordered collection of studentEducationOrganizationAssociationStudentCrisisEvents. Information on the crisis that has affected a student.* | | Student Information > General > Program Participation > State Programs

Program Admin > Federal/State Program Updater | | EXT |

15	addresses	*Collection of Addresses for the student*		**addressTypeDescriptor:** Census > Households > Household Addresses > Household Location Detail	**addressTypeDescriptor:** HouseholdLocation.mailing HouseholdLocation.physical	Preview

Addresses	Code and Business Rule
addressTypeDescriptor	*The type of Address being reported* • Reports from the household address as 'Physical' or 'Mailing • If Mailing and Physical are the same, report only the physical address with descriptor 'Physical' • Report 'Mailing' only if different from physical address
city	*The name of the city in which an address is located*
postalCode	*The five or nine digit zip code or overseas postal code portion of an address*
stateAbbreviationDescriptor	*The abbreviation for the state or outlying area in which an address is located*
streetNumberName	*The street number and street name of an address*

Census > Addresses > Address Information

City:
Census > Addresses > Address Information

Postal Code:
Census > Addresses > Address Information

State Abbreviation:
Census > Addresses >

				Address Information **Street Number:** Census > Addresses > Address Information		

1 6	telephones	*Collection of Telephone Records for the student*
		
		• **telephoneNumber**
		   ◦ The telephone number including the area code, and extension, if applicable.
		   ◦ Report the Household Phone Number, if blank, Report Cell Phone Number of the Student.
		• **telephoneNumberTypeDescriptor**
		   ◦ The type of Phone
		   ◦ Reports 'Mobile' or 'Home'
			C	Census >
				Households >
				Household Information
						
						Preview

| 17 | electronicMails | *Collection of Email Addresses for the student*

• **electronicMailAddress**:
   ◦ The type of email listed for an individual or organization. For example: Home/Personal, Work, etc.)
   ◦ Reports from the Primary or Secondary Email address or both
• **electronicMailTypeDescriptor**
   ◦ The Primary Email address will report as "Home/Personal".
   ◦ The Secondary Email address will report as "Work", if it exists. | C | Census > People > Demographics > Personal Contact Information > Email / Secondary Email | | ✅ |

Appendix