

# VT Ed-Fi Suite 3 API v7.1 Data Standard v4.0: Student Education Organization Associations

## Summary

This association represents student information that is specific to a student's relationship with an Education Organization.

## Object Triggering

Action	Business Rule(s)
Post	<p>When an enrollment is created and saved for a person and the enrollment overlaps a configured year</p> <ul style="list-style-type: none"> <li>• Do not send a record if enrollment is in a calendar marked as State Exclude</li> <li>• Do not send a record if enrollment is in a School marked as State Exclude</li> <li>• Do not send a record if the No Show or State Exclude checkbox is checked on the enrollment</li> </ul>
Put	<p>When any student data is edited for the person in the Data Elements fields below</p>

- When the person's identity record is changed:
- Race/Ethnicity
- Gender
- Home Primary Language
- US Entry Type
- Person's household locations is updated/changed
- Person's household memberships is added/deleted/changed
- Data in the address the student is associated with changes
- Student's IEP is locked or unlocked and/or a student's disability is changed on the IEP, Enrollment or State Special Education tab
- Student's contact information is changed: email, phone number
- Student's LEP information is changed
- Student Characteristics change:
  - Asylee, Refugee, Immigrant: If the student's US Entry Type is changed
- Displaced Homemaker, Pregnant, Single Parent: If a student's Special Population is changed
- Foster Care: A student has a Foster Care record that overlaps the configured year, Start/End Dates are changed so record no longer overlaps configured year, the record is deleted
- Economic Disadvantaged: As student has an SES FRAM Eligibility record that overlaps the configured year and meets the criteria selected in the Economic Disadvantaged resource preferences, Start/End Dates are changed so record no longer overlaps configured year, the record is deleted

	<ul style="list-style-type: none"> <li>• Parent in Military: A Military Connections record exists for a Guardian of the student, Start/End Dates are changed so record no longer overlaps configured year, the Guardian checkbox is checked/unchecked, the record is deleted</li> <li>• Homeless, Unaccompanied Youth, Runaway: A student has a Homeless record that overlaps the configure year, Start/End Dates are changed so record no longer overlaps configured year, the record is deleted, the Unaccompanied Youth field is changed, the Runaway checkbox is checked or unchecked.</li> </ul>
Delete/Post	N/A
Delete	<p>Delete if the student no longer has an eligible enrollment in the District</p> <p>If the enrollment is marked as a no show</p>

## Required Resources (Upstream)

The following resources must be sent prior to this resource:

- **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

## Object Data Elements

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.
- The Uses Core Template Rules column indicates if the element uses Infinite Campus Core Ed-Fi rules, has been Localized using DOE rules, or the element has been added by a DOE as an Extended Element.

Data Element Label	Business Rule(s)	Mandatory/Conditional	Tool Path	Database Field	Uses Core

			onal/Opti onal			Template Rules (Y/N/EXT )
1	<b>educationOrganiz ationId</b>  (reference)	<i>A reference to the related education organization.</i>  1. Report reference to the Local Education Agency	M	N/A	N/A	Y
2	<b>studentReference</b>  (reference)	<i>A reference to the related Student resource.</i>  1. Reports the natural key of the Students resource	M	N/A	N/A	Y
3	<b>addresses</b>  (array)	<i>The set of elements that describes an address, including the street address, city, state, and ZIP code.</i>  1. Reports the most current Primary address that is marked as "Mailing" a. If more than 1 Primary Address marked as Mailing, report address with most recent Household Membership Start Date i. Else, report the primary address with most recent Address Start Date ii. Else, report the primary address with the highest addressID b. Do not report if the Address Location Detail or Household Membership is marked as "Private"	O	Househol d  Address	HouseholdLoc ation.mailing  HouseholdMe mber.startDat e  Householdloc ation.StartDat e	Y

		<p>2. See Business Rule S3 in Scope Year logic to determine the eligibility of records</p> <p>3. See Array section below for data logic for each field</p>				
4	disabilities (array)	<p><i>The disability condition(s) that best describes an individual's impairment, as determined by evaluation(s) conducted by the education organization.</i></p> <hr/> <p>1. See array section for data logic for each field</p>	O	N/A	N/A	Y
5	electronicMails (array)	<p><i>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>1. Reports the email address entered for that person a. Do not report if Email is marked as "Private"</p> <p>2. If blank, does not report</p> <p>3. See Array section for data logic for each field</p>	O	Demographics	contact.email	Y
6	genderIdentity	<p><i>Reports the preferred gender. Only required if it differs from Birth gender (sex descriptor)</i></p> <p><i>Report</i></p>	C			
7	hispanicLatinoEthnicity (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. The term, ""Spanish origin,"" can be used in addition to ""Hispanic or Latino.""</i></p>	O	Demographics	identity.hispanicEthnicity	Y

		<p>1. Report "Is the individual Hispanic/Latino?" from the student's current identity:</p> <p>a. If droplist is = Yes, report "true"</p> <p>b. If droplist is = No, report "false"</p>				
8	languages (array)	<p><i>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>1. See Array section below for data logic for each field</p>	O	N/A	N/A	Y
9	limitedEnglishProficiencyDescriptor (string)	<p><i>An indication that the student has been identified as limited English proficient by the Language Proficiency Assessment Committee (LPAC), or English proficient.</i></p> <hr/> <p>1. If Identified Date is NULL, report blank.</p> <p>2. Report the Ed-Fi code mapped to EL when student has a EL Program Status = 'EL'</p> <p>a. If the Parent Refused checkbox is checked, report the code mapped to 'Not EL'</p> <p>i. If 'Not EL' is not mapped report blank.</p> <p>3. Report the following when the student has an LEP Program Status = Exited LEP and the Program Exit Date falls in the monitoring period and the Monitoring option is mapped in the preferences</p>	O	English Learners	lep.programStatus  lep.identifieddate  lep.exitDate  lep.parentDeclined	Y

		<p>a. Report the code mapped to First Year Monitoring if today's date is on or between the EL Exit Date and the First Year Monitoring date</p> <p>b. Report the code mapped to Second Year Monitoring if today's date is after the First Year Monitoring date and on or before the Second Year Monitoring date</p> <p>4. If the LEP Program Status = Exited LEP and the Program Exit Date is NULL, report blank.</p> <p>5. Else, report to code that is mapped to the student's Program Status.</p> <p>6. If the student does not have a record, report blank</p>				
1 0	<p>rac</p> <p>es</p> <p>(array)</p>	<p><i>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.</i></p> <hr/> <p>1. See Array section below for data logic for each field</p>	O	Demograp hics	IdentityRaceE thnicity  racethnicity.ra ceid	Y
1 1	<p>sexDescriptor</p> <p>(string)</p>	<p><i>A person's gender.</i></p> <hr/> <p>1. Report the Gender from the student's current identity record</p> <p>a. This is NOT legal gender</p> <p>2. Report the following based on the value selected in the droplist</p> <p>a. Female report 'Female'</p> <p>b. Male report 'Male'</p>	O	Demograp hics	identity.gende r	Y



		c. If blank or Non-binary, report 'Not Selected'				
1 2	characteristics (array)	<p><i>Reflects important characteristics of the student's home situation: Displaced Homemaker, Immigrant, Migratory, Military Parent, Pregnant Teen, Single Parent, and Unaccompanied Youth.</i></p> <hr/> <p>1. See Array below for logic</p>	O	N/A	N/A	Y
1 3	identificationCodes (array)	<p><i>A coding scheme that is used for identification and record-keeping purposes by schools, social services, or other agencies to refer to a student.</i></p> <hr/> <p>1. See Array section for reporting logic</p>	O	N/A	N/A	Y
1 4	indicators (array)	<p><i>Indicator(s) or metric(s) computed for the student (e.g., at risk) to influence more effective education or direct specific interventions.</i></p> <hr/> <p>1. See Array section below for reporting logic</p>	O	N/A	N/A	Y
1 5	telephones (array)	<p><i>The 10-digit telephone number, including the area code, for the person.</i></p> <hr/> <p>1. See Array section for data logic for each field</p>	O	N/A	N/A	Y
1 6	tribalAffiliations	1. This is optional, does not report	O	N/A	N/A	Y

17	programParticipations	1. This is optional, does not report	O	N/A	N/A	Y
18	profileThumbnail	1. This is optional, does not report	O	N/A	N/A	Y
19	oldEthnicityDescriptor	1. This is optional, does not report	O	N/A	N/A	Y
20	loginId	1. This is optional, does not report	O	N/A	N/A	Y
21	internationalAddresses	1. This is optional, does not report	O	N/A	N/A	Y
22	cohortYears	1. This is optional, does not report	O	N/A	N/A	Y

## Arrays

### Addresses

	Data Element Label	Business Rule(s)	Mandatory/Conditional/Optional	Tool Path	Database Field	Uses Core Template Rules (Y/N/EXT)
1	addressTypeDescriptor	The type of address listed for an individual or organization. For example: Physical Address, Mailing Address, Home Address,	M	N/A	N/A	Y

	(string)	etc.)				
		1. Report 'Home'				
2	<b>stateAbbreviationDescriptor</b> (string)	<i>The abbreviation for the state (within the United States) or outlying area in which an address is located</i>  1. Reports the State for the address being reported	M	Address	address.state	Y
3	apartmentRoomSuiteNumber (string)	<i>The apartment, room, or suite number of an address</i>  1. Reports the value entered in Apt field if populated	O	Address	address.apt	Y
4	<b>city</b> (string)	<i>The name of the city in which an address is located</i>  1. Reports the City for the address being reported	M	Address	address.city	Y
5	<b>postalCode</b> (string)	<i>The five or nine digit zip code portion of an address</i>  1. Reports the Zip Code for the address being reported	M	Address	address.zip	Y
6	<b>streetNumberName</b> (string)	<i>The street number and street name or post office box number of an address</i>  1. Reports Address PO Box + Number + Street + Tag + Prefix + Dir	M	Address	address.post OfficeBox  address.number  address.street	Y

					address.tag address.prefix address.dir	
7	periods	1. This is optional, do not report	O	N/A	N/A	Y
8	nameOfCounty	1. This is optional, do not report	O	N/A	N/A	Y
9	longitude	1. This is optional, do not report	O	N/A	N/A	Y
10	latitude	1. This is optional, do not report	O	N/A	N/A	Y
11	doNotPublishIndicator	1. This is optional, do not report	O	N/A	N/A	Y
12	countyFIPSCode	1. This is optional, do not report	O	N/A	N/A	Y
13	buildingSiteNumber	1. This is optional, do not report	O	N/A	N/A	Y

## Disabilities

Data Element Label	Business Rule(s)	Mandatory/Conditional/Optional	Tool Path	Database Field	Uses Core Template Rules
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						(Y/N/EX T)
1	<b>disabilityDescriptor</b> (string)	<p><i>This descriptor defines a student's impairment</i></p> <hr/> <ol style="list-style-type: none"> <li>1. Report the Ed-Fi code from the Disabilities mapping for the student being reported. Only report the distinct disabilities from the first 5 disability fields.</li> <li>2. If the student has a locked IEP that overlaps the configured year, report the disabilities entered on the IEP if mapped to an Ed-Fi Code</li> <li>3. If the student does not have an eligible IEP but has 1 or more disabilities on their enrollment, report the disabilities if mapped to an Ed-Fi Code <ol style="list-style-type: none"> <li>a. The enrollment must overlap the configured year</li> <li>b. If the student has more than 1 enrollment, report all distinct disabilities</li> </ol> </li> <li>4. If the student does not have an eligible IEP or disabilities on enrollment, report disabilities from the Special Ed State Reporting tab. <ol style="list-style-type: none"> <li>a. State Reporting record must overlap the configured year</li> <li>b. if the student has more than 1 State Reporting record, report all distinct disabilities</li> </ol> </li> </ol>	M	SPED Documen ts Enrollmen t	planstate.disa bility1 planstate.disa bility2 planstate.disa bility3 planstate.disa bility4 planstate.disa bility5 or enrollment.dis ability1 enrollment.dis ability2 enrollment.dis ability3 enrollment.dis ability4 enrollment.dis ability5	Y

2	orderOfDisability (integer)	<p><i>The order by severity of student's disabilities: 1- Primary, 2 - Secondary, 3 - Tertiary, etc.,</i></p> <hr/> <p>1. Report the order of disability based on the disability being reported from above</p> <ul style="list-style-type: none"> <li>a. If Primary Disability, report '1'</li> <li>b. if Secondary Disability, report '2'</li> <li>c. if Tertiary Disability, report '3'</li> <li>d. if Fourth Disability, report '4'</li> <li>e. if Fifth Disability, report '5'</li> </ul> <p>2. If the student has the same disability in multiple records from the same source (IEP, Enrollment, State Reporting) and the order is not the same, report the order from the record with the most recent start date.</p> <ul style="list-style-type: none"> <li>a. If the start dates are the same, the system will pick a record to send.</li> </ul>	O	SPED Documents Enrollment	planstate.disability1 planstate.disability2 planstate.disability3 planstate.disability4 planstate.disability5 or enrollment.disability1 enrollment.disability2 enrollment.disability3 enrollment.disability4 enrollment.disability5	Y
3	designations	1. This is optional, do not report	O	N/A	N/A	Y

4	disabilityDiagnosis	1. This is optional, do not report	O	N/A	N/A	Y
5	disabilityDetermination SourceTypeDescriptor	1. This is optional, do not report	O	N/A	N/A	Y

### Electronic Mails

	Data Element Label	Business Rule(s)	Mandator y/Condi tional/Opti onal	Tool Path	Database Field	Uses Core Template Rules (Y/N/EX T)
1	<b>electronicMailType Descriptor</b> (string)	<i>The type of email listed for an individual or organization. For example: Home/Personal, Work, etc.)</i>  1. The Primary Email address will report as "Home/Personal" 2. Do not report Secondary Email for students.	M	Demogra phics	contact.email	Y
2	<b>electronicMailAddr ess</b> (string)	<i>An indication that the electronic mail address should be used as the principal electronic mail address for an individual or organization.</i>  1. Reports the email address entered for that person	M	Demogra phics	contact.email	Y

3	primaryEmailAddressesIndicator	1. This is optional, do not report	O	N/A	N/A	Y
4	doNotPublishIndicator	1. This is optional, do not report	O	N/A	N/A	Y

## Languages

	Data Element Label	Business Rule(s)	Mandatory/Conditional/Optional	Tool Path	Database Field	Uses Core Template Rules (Y/N/EXT)
1	<b>languageDescriptor</b> (string)	<p><i>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>1. Report the Language from the Home Primary Language saved on the student's current identity record.</p> <p>a. Look for a mapping saved to the Language Descriptor Override section in preferences. If there is a mapped value, report that mapping.</p> <p>b. If an override is not there, look to see if the language standard code matches an Ed-Fi code, if yes report</p>	M	Demographics	identity.homePrimaryLanguage	Y



		<p>that value</p> <p>c. Report default value if saved on the Attribute and the standard code matches an Ed-Fi code</p> <p>2. Else, report NULL</p>				
2	<p>uses / languageUseDescriptor</p> <p>(array / string)</p>	<p><i>A description of how the language is used (e.g. Home Language, Native Language, Spoken Language).</i></p> <hr/> <p>1. If Home Primary Language = NOT NULL, report 'Home language'</p>	O	Demographics	identity.homePrimaryLanguage	Y

## Races

	Data Element Label	Business Rule(s)	Mandatory/Conditional/Optional	Tool Path	Database Field	Uses Core Template Rules (Y/N/EXT)
1	raceDescriptor	<p><i>The general racial category which most clearly reflects the individual's recognition of his or her community or with which the individual most identifies.</i></p> <hr/> <p>1. Determine the Race/Ethnicity(s) that are checked on the student's current identity record.</p>	M	Demographics	<p>identityRaceEthnicity</p> <p>racethnicity.raceid</p>	Y

	<p>a. Use the Identity Race Ethnicity table to determine all of the check boxes checked for the students current identity id.</p> <p>2. Report the Ed-Fi Code mapped to the corresponding Race Ethnicity</p> <p>a. Report all races if the student has more than 1 selected</p> <p>3. Do not report if the person does not have a Race/Ethnicity checked or there is not a corresponding mapping</p>				
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### Student Characteristics

	Data Element Label	Business Rule(s)	Mandatory/Conditional/Optional	Tool Path	Database Field	Uses Core Template Rules (Y/N/EXT)
1	<b>studentCharacteristicDescriptor</b> (string)	<i>This entity represents an individual for whom instruction, services and/or care are provided in an early childhood, elementary or secondary educational program under the jurisdiction of a school, education agency or other institution or program</i>	M	N/A	N/A	Y

		1. Report each characteristic based on the requirements below. Student must have a Student School Association in the configured year to report a characteristic.				
2		1. Parent in Military a. Report if the student has a relationship with a Guardian that has an active Military Connections record within the configured year i. The Status on the Military Connections tab must be checked in the Military Connections Resource Preferences to report b. Remove characteristic if the Guardian checkbox is removed from the student/guardian relationship	C	Military Connections	impactAidEmployment.militaryStatus  impactAidEmployment.startDate  impactAidEmployment.endDate  relatedPair.guardian	Y
3		1. Foster Care - a. Report if student has a Foster Care record that overlaps the configured year AND i. Program Status mapped to an Ed-Fi code value of Foster Care or State Placed Foster Care. b. Else do not report	C	Foster Care	fostercare.startdate  fostercare.enddate	Y
4	designatedBy	1. This is optional, do not report	O	N/A	N/A	Y
5	periods	1. This is optional, do not report	O	N/A	N/A	Y

# Student Identification Codes

	Data Element Label	Business Rule(s)	Mandatory/Conditional/Optional	Tool Path	Database Field	Uses Core Template Rules (Y/N/EXT)
1	<b>studentIdentificationSystemDescriptor</b> (string)	<p><i>A coding scheme that is used for identification and record-keeping purposes by schools, social services, or other agencies to refer to a student</i></p> <hr/> <p>1. Report the Local Student Number twice  a. One with a descriptor = 'District'  b. One with a descriptor = 'Local'  2. Report 'State' when reporting the Student State ID</p>	M	Demographics	person.studentNumber person.stateID	Y
2	identificationCode (string)	<p><i>A unique number or alphanumeric code assigned to a student by a school, school system, a state, or other agency or entity</i></p> <hr/> <p>1. Report the Local Student Number  2. Report the Student State ID</p>	M	Demographics	person.studentNumber person.stateID	Y
3	assigningOrganizationIdentificationCode	<i>The organization code or name assigning the assessment identification code</i>	O	District Information	district.number	Y

(string)	1. Reports the District Number where the student is enrolled 2. Report 'State' when reporting the Student State ID		on		
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## Indicators

	Data Element Label	Business Rule(s)	Mandatory/Conditional/Optional	Tool Path	Database Field	Uses Core Template Rules (Y/N/EXT)
1	<b>indicatorName</b> (string)	<p><i>Indicator(s) or metric(s) computed for the student (e.g., at risk) to influence more effective education or direct specific interventions.</i></p> <hr/> 1. Report the name from the code entered on Enrollment > Admission Status for any enrollment that overlaps the reporting year <ul style="list-style-type: none"> <li>a. When code "04: Home-Study Student Taking Academic Classes", report "ADM Hours"</li> <li>b. When Code "05: Home-Study Student extra/co-curricular only", report "Home Study Activity ADM"</li> </ul>	M	Enrollment	Enrollment.admissionStatus	Y

		2. If the student has more than 1 enrollment in the same school year with both Admission Statuses 4 and 5, report from the enrollment that has code "04: Home-Study Student Taking Academic Classes"				
2	<b>indicator</b> (string)	<p><i>Indicator or metric computed for the student (e.g., at risk) to influence more effective education or direct specific interventions.</i></p> <hr/> <p>1. Report the value for Indicator from Enrollment.admOverride (ADM Days). a. If the student has more than 1 enrollment in the same school year with both Admission Statuses 4 and 5, report the value for ADM Override from the enrollment that has code "04: Home-Study Student Taking Academic Classes"</p>	M	Enrollmen t	Enrollment.adm Override (ADM Days).	Y
3	periods	1. This is optional, do not report	O	N/A	N/A	Y
4	designatedBy	1. This is optional, do not report	O	N/A	N/A	Y
5	indicatorGroup	1. This is optional, do not report	O	N/A	N/A	Y

## Telephones

Data Element Label	Business Rule(s)	Mandato ry/Condit	Tool Path	Database Field	Uses Core

			ional/Opt ional			Templat e Rules (Y/N/EX T) Y															
1	<b>telephoneNumberTy peDescriptor</b>  (string)	<i>The type of communication number listed for an individual or organization.</i>    1. Reports based on the Phone Number type entered in Campus based on the chart below  2. <table><tr><th>Campus Phone</th><th>Ed-FI Code</th><th></th></tr><tr><td>Cell Phone</td><td>Mobile</td><td></td></tr><tr><td>Other Phone</td><td>Home</td><td></td></tr><tr><td>Work Phone</td><td>Work</td><td></td></tr><tr><td>Pager</td><td>Other</td><td></td></tr></table>	Campus Phone	Ed-FI Code		Cell Phone	Mobile		Other Phone	Home		Work Phone	Work		Pager	Other		M	Demogra phics	contact.otherPh one  contact.workPh one  contact.cellPho ne  contact.pager	
Campus Phone	Ed-FI Code																				
Cell Phone	Mobile																				
Other Phone	Home																				
Work Phone	Work																				
Pager	Other																				
2	<b>telephoneNumber</b>	<i>The telephone number including the area code, and extension, if applicable.</i>    1. Reports the Phone numbers entered in the Personal Contact Information for that person  2. do not report Phone Number is marked as "Private"	M	Demogra phics	contact.otherPh one  contact.workPh one  contact.cellPho ne	Y															

		3. If blank, does not report			contact.pager	
3	doNotPublishIndicator	1. This is optional, do not report	O	N/A	N/A	Y
4	orderOfPriority	1. This is optional, do not report	O	N/A	N/A	Y
5	textMessageCapabilityIndicator	1. This is optional, do not report	O	N/A	N/A	Y