

WI Ed-Fi Suite 3 API v7.3 Data Standard v5.2: Student Education Organization Associations

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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	 When an enrollment is created and saved for a person and the enrollment overlaps a configured year Do not send a record if enrollment is in a calendar marked as State Exclude Do not send a record if the No Show, State Exclude, or WISE Exclude checkbox is checked on the enrollment If Ed-Fi Configuration Profile = Choice + Opt in report a record for all eligible students if Choice = Yes or No on the student's enrollment If Ed-Fi Configuration Profile = Choice AND Choice = No on Student enrollment, do not report a record Send only 1 record per unique School/ Student combination based on primacy State Enrollment Type = Primary Enrollment Type = Primary Enrollment Type = Special Ed If School Override is populated on enrollment, report an additional record with the associated Ed-Fi School Number.
Put	When any student data is edited for the person in the Data Elements fields below that is not part of the natural key
Delete/Post	N/A
Delete	Delete if the student no longer has an eligible enrollment in the District
	When the State Exclude, WISE Exclude, or No Show check boxes are checked

Required Resources

The following resources must be sent prior to this resource:

Students

Dependent Resources

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 in accordance with DOE requirements, or the element has been added by a DOE as an Extended Element.

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Fie
	1 educationOrganizationId (reference)	A reference to the related education organization. (Business Rules: Localized) 1. Report the Ed-Fi School Number of associated School from the School Override field on the enrollment record a. If School Override = NULL, report the Ed-Fi School Number associated with the student's enrollment record	M	N/A	N/A
2	2 studentReference (reference)	A reference to the related Student resource. (Business Rules: Core) 1. Reports the natural key of the Students resource	M	N/A	N/A

3	addresses (array)	The set of elements that describes an address, including the street address, city, state, and ZIP code. (Business Rules: Localized) 1. If No is selected for LEA "Opt-in" in the Ed-Fi Configuration (Resource Preferences > Student Education Organization Associations > Addresses), report NULL 2. If Yes is selected for LEA "Opt-in", report 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 address with most recent Address Start Date b. Do not report if the Address Location Detail or Household Membership is marked as "Private" c. If multiple primary addresses exist and 1 is marked Physical, report a second address with an addressTypeDescriptor of "Home" i. Note: Only 1 of each address type may be reported. d. If only 1 address exists and only Mailing or Physical are checked, report 2 records - 1 with an addressType = Home and the 2nd record with same address with addressType = Mailing. e. See Business Rule S3 in Scope Year logic to determine the eligibility of records f. See Array section below for data logic for each field There should be no leading or trailing white space when reporting this data	0	Household Address	HouseholdLoomailing HouseholdMestartDate HouseholdloosStartDate
4	disabilities / disabilityDescriptor / orderOfDisability (array / descriptor / integer)	An unordered collection of studentEducationOrganizationAssociationDisabilities. The disability condition(s) that best describes an individual's impairment, as determined by evaluation(s) conducted by the education organization. (Business Rules: Core)		IEP Enrollment	planstate.disa planstate.disa

disabilityDescriptor

- 1. If the enrollment determining the record is in a School with Ed-Fi Configuration Profile = Public, do not report this array
- 2. Otherwise, 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.
 - a. 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
 - b. 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
 - i. The enrollment must overlap the configured year
 - ii. If the student has more than 1 enrollment, report all distinct disabilities
 - c. If the student does not have an eligible IEP or disabilities on enrollment, report disabilities from the Special Ed State Reporting tab.
 - i. State Reporting record must overlap the configured year
 - ii. if the student has more than 1 State Reporting record, report all distinct disabilities

orderOfDisability

- 1. Report the order of disability based on the disability being reported from above
 - a. If Primary Disability, report '1'
 - b. if Secondary Disability, report '2'
 - c. if Tertiary Disability, report '3'
 - d. if Fourth Disability, report '4'
 - e. if Fifth Disability, report '5'

planstate.disa

or

enrollment. disability1

enrollment. disability2

enrollment. disability3

enrollment. disability4

enrollment. disability5

			_	l	l
5	electronicMails (array)	The numbers, letters, and symbols used to identify an electronic mail (e-mail) user within the network to which the individual or organization belongs. (Business Rules: Core) 1. Reports the Email Address entered for that person a. Do not report if Email is marked as "Private" 2. If blank, does not report 3. See Array section for data logic for each field	0	Demographics	contact.email
6	hispanicLatinoEthnicity (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. The term, ""Spanish origin,"" can be used in addition to ""Hispanic or Latino."" (Business Rules: Core) 1. Report "Is the individual Hispanic/Latino?" from the student's current identity: a. If droplist is = Yes, report True b. If droplist is = No, report False	O	Demographics	identity. hispanicEthnic
7	languages (array)	The language(s) the individual uses to communicate. It is strongly recommended that entries use only ISO 639-3 language codes. (Business Rules: Localized) 1. See Array section below for data logic for each field	0	N/A	N/A
8	races (array)	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. (Business Rules: Core) 1. See Array section below for data logic for each field	0	Demographics	IdentityRaceE racethnicity.ra

9	sexDescriptor (string)	A person's gender. (Business Rules: Localized)	0	Demographics	identity.gende
	(Sumg)	 Report from the current identity record overlapping the enrollment Check to see if the "Report Legal Identifies when provided" checkbox is selected in the Students resource preferences editor			identity.legalG
10	identificationCodes (array)	The characteristic designated for the student (Business Rules: Localized)	0	N/A	N/A
		See Array section for reporting logic			
1	tribalAffiliations / tribalAffiliationDescriptor (array / string)	An American Indian tribe with which the student is affiliated as last reported to the education organization. (Business Rules: Localized)	0	Race/Ethnicity	
		Report the Ed-Fi code(s) mapped in resource preferences for any and all values saved in the multi-select tool where Standard Code value = AIAN a. Otherwise, do not report			

12	ancestryEthnicOrigins / ancestryEthnicOriginDescriptor (array / string)	The original peoples or cultures with which the individual identifies. (Business Rules: Localized) 1. If Is the individual Hispanic/Latino? = Yes, report mapped Ed-Fi Codes from Detailed Hispanic/Latino Codes 2. If Race = Asian or Black/African American, report mapped Ed-Fi Codes from Detailed Ancestry/Tribal Codes	0	Race/Ethnicity	
13	characteristics	An unordered collection of studentEducationOrganizationAssociationStudentCharacteristics. Reflects important characteristics of a student. If a student has a characteristic present, that characteristic is considered true or active for that student. If a characteristic is not present, no assumption is made as to the applicability of the characteristic, but local policy may dictate otherwise. (Business Rules: Localized) 1. See Array section for reporting logic	O	N/A	N/A
14	IimitedEnglishProficiencyDescriptor	An indication that the student has been identified as limited English proficient by the Language Proficiency Assessment Committee (LPAC), or English proficient. (Business Rules: Localized)	0	EL	

- For the current scope year , as defined on the configuration (current date is within the start and end date of the year dates)
 - a. Find the EL record to be used as of today's date:
 - i. Find all EL records where the EL Identified Date is before today's date.
 - 1. EL records with an Identified Date after today's are disregarded.
 - ii. Use the record if one of the following are true:
 - The today's date falls between the EL Identified
 Date and EL Exit Date
 - Today's date falls after Identified Date and No exit date exists
 - 3. Program Status must be "EL" or "Exited EL"
 - iii. If today's date does not fall between the Identified Date and the Exit Date of any LEP record,AND no record exists without an Identified Date, then
 - 1. Find the most recently exited record.
 - 2. EL second year monitoring date must fall after or within the current configuration.
 - a. Example- 20-21 configuration dates: 07/01 /2020-06/30/2021 (each year after follows same pattern)
 - i. EL exit date is 08/25/20202- this is reportable through the 2022-2023 school year because 2nd year monitoring is 08/25/2023
- 2. For any previous year's data (scope year set to a year with an end date prior to the current date)
 - a. Find the latest EL record within the configuration or before (on or before the last date of the year)
 - b. Program Status must be "EL" or "Exited EL"
 - c. Follow below to determine what value to report

Logic for reporting from EL Record

- 1. From the identified EL record, calculate the reported value
 - a. If there is an 'English Proficiency Override' value on the EL record used (see above for logic on which record to use), report that value
 - b. If no English proficiency override exists AND the student has exited EL Status and the Exit date is prior to the current date/ end of year date, report '6'.
 - c. Else find an EL Assessment of Assessment Type 'LPF' or 'LID'
 - i. If the student's EL Identified date is prior to the start date of the school year use the most recent assessment score in the prior year or earlier (if they have no assessments in the prior year)
 - 1. Score must be on the parent assessment
 - 2. This score must report through the end date on index>system admin> calendar>school years> end date
 - a. IF Null report this through 6/30/current year
 - ii. If the student is a new EL student, use the current school year's earliest assessment score
 - The student's EL identified date must be on or after the start of the scope year and on or before today's date.
 - 2. Score is on the parent test
 - iii. From the identified assessment, pull the result value (1.0-6.0) and display the result truncated to the whole number
 - 1. For example; the Result on the EL Assessment being considered = 2.8, a '2' is reported
 - iv. Any test with a value outside this range (6.1 or above, or 0-.9) is disregarded and does not report
- 2. If Home Primary Language is equal to eng (English), report 7
- 3. If the Student has an EL record but does not meet the above, report 7

15	InternetAccessInResidence (boolean)	An indication of whether the student is able to access the internet in their primary place of residence. (Business Rules: Localized) 1. If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report based on the following value selected in Internet Access in Residence for the most recent record: a. If No, report False b. If Yes, report True 2. If NULL, do not report	0	Digital Equity	
16	BarrierToInternetAccessInResidenceDescriptor (string)	 An indication of the barrier to having internet access in the student's primary place of residence. (Business Rules: Localized) 1. If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report mapped Ed-Fi Code for Barrier to Internet Access in Res for the most recent record. 2. If NULL, do not report 	O	Digital Equity	
17	InternetAccessTypeInResidenceDescriptor (string)	 The primary type of internet service used in the student's primary place of residence. (Business Rules: Localized) If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report the mapped Ed-Fi Code for Primary Internet Access Type in Res for the most recent record. If NULL, do not report 	O	Digital Equity	

18	InternetPerformanceInResidenceDescriptor (string)	An indication of whether the student can complete the full range of learning activities, including video streaming and assignment upload, without interruptions caused by poor internet performance in their primary place of residence. (Business Rules: Localized) 1. If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report the mapped Ed-Fi Code for Internet Performance for the most recent record. 2. If NULL, do not report	0	Digital Equity	
19	PrimaryLearningDeviceAwayFromSchoolDescriptor (string)	The type of device the student uses most often to complete learning activities away from school. (Business Rules: Localized) 1. If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report the mapped Ed-Fi Code for Primary Device Away from School for the most recent record. 2. If NULL, do not report	0	Digital Equity	
20	PrimaryLearningDeviceProviderDescriptor (string)	 The provider of the primary learning device. (Business Rules: Localized) If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report the mapped Ed-Fi Code for Primary Device Provider for the most recent record. If NULL, do not report 	0	Digital Equity	

21	PrimaryLearningDeviceAccessDescriptor (string)	 An indication of whether the primary learning device is shared or not shared with another individual. (Business Rules: Localized) 1. If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report the mapped Ed-Fi Code for Primary Device Access for the most recent record. 2. If NULL, do not report 	0	Digital Equity	
22	loginId	The login ID for the user; used for security access control interface. (Business Rules: Localized) 1. Reports the app username	0	N/A	N/A
23	telephones	(Business Rules: Localized) 1. This is optional, does not report	0	N/A	N/A
24	indicators	(Business Rules: Localized) 1. This is optional, does not report	0	N/A	N/A
25	programParticipations	(Business Rules: Core) 1. This is optional, does not report	0	N/A	N/A
26	profileThumbnail	(Business Rules: Core) 1. This is optional, does not report	0	N/A	N/A
			-	-	

27	oldEthnicityDescriptor	(Business Rules: Core)	0	N/A	N/A
		This is optional, does not report			
28	internationalAddresses	(Business Rules: Core)	0	N/A	N/A
		This is optional, does not report			
29	cohortYears	(Business Rules: Core)	0	N/A	N/A
		This is optional, does not report			

Arrays

Addresses

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field
1	addressTypeDescriptor (string)	The type of address listed for an individual or organization. For example: Physical Address, Mailing Address, Home Address, etc.) (Business Rules: Core)	М	N/A	N/A
		 Physical Address - Reports 'Physical' Mailing Address - Reports 'Mailing' 			

2	stateAbbreviationDescriptor (string)	The abbreviation for the state (within the United States) or outlying area in which an address is located (Business Rules: Core) 1. Reports the State for the address being reported	М	Address	address.state
3	apartmentRoomSuiteNumber (string)	The apartment, room, or suite number of an address (Business Rules: Core)	0	Address	address.apt
	(Sumg)	Reports the value entered in Apt field if populated			
4	city (string)	The name of the city in which an address is located (Business Rules: Core)	M	Address	address.city
		Reports the City for the address being reported			
5	postalCode (string)	The five or nine digit zip code portion of an address (Business Rules: Core)	M	Address	address.zip
	(53)	Reports the Zip Code for the address being reported			

6	streetNumberName (string)	The street number and street name or post office box number of an address (Business Rules: Core) 1. Reports Address PO Box + Number + Street + Tag + Prefix + Dir	M	Address	address. postOfficeBox address. number address. street address.tag address. prefix address.dir
7	periods	(Business Rules: Core) 1. This is optional, do not report	0	N/A	N/A
8	nameOfCounty	(Business Rules: Core) 1. This is optional, do not report	0	N/A	N/A
9	longitude	(Business Rules: Core) 1. This is optional, do not report	0	N/A	N/A
10	latitude	(Business Rules: Core) 1. This is optional, do not report	0	N/A	N/A

11	doNotPublishIndicator	(Business Rules: Core)	0	N/A	N/A
		1. This is optional, do not report			
12	countyFIPSCode	(Business Rules: Core)	0	N/A	N/A
		1. This is optional, do not report			
13	buildingSiteNumber	(Business Rules: Core)	0	N/A	N/A
		1. This is optional, do not report			

Electronic Mails

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field
1	electronicMailTypeDescriptor (string)	The type of email listed for an individual or organization. For example: Home/Personal, Work, etc.) (Business Rules: Core) 1. The Primary Email address will report as "Home/Personal" 2. Do not report Secondary Email for students.	M	Demographics	contact. email

2	electronicMailAddress (string)	An indication that the electronic mail address should be used as the principal electronic mail address for an individual or organization. (Business Rules: Core) 1. Reports the email address entered for that person	M	Demographics	contact. email
3	primaryEmailAddressIndicator	(Business Rules: Core) 1. This is optional, do not report	0	N/A	N/A
4	doNotPublishIndicator	(Business Rules: Core) 1. This is optional, do not report	O	N/A	N/A

Languages

1 languageDescriptor (string)	 The language(s) the individual uses to communicate. It is strongly recommended that entries use only ISO 639-3 language codes. (Business Rules: Core) 1. Report the Language from the Native Language saved on the student's current identity record. a. Look for a mapping saved to the Language Descriptor Override section in preferences. If there is a mapped value, report that mapping. b. If an override is not there, look to see if the language Code matches an Ed-Fi code, if yes report that value c. Report default value if saved on the Attribute and the code matches an Ed-Fi code 2. Else, report NULL 	M	Demographics	identity. languageAlt
2 uses / languageUseDescrip	A description of how the language is used (e.g. Home Language, Native Language, Spoken Language). (Business Rules: Core)	М	Demographics	
(array / string)	If the array is being reported, report "Native language"			

Races

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field
1	raceDescriptor	 The general racial category which most clearly reflects the individual's recognition of his or her community or with which the individual most identifies. (Business Rules: Core) Determine the Race/Ethnicity(s) that are checked on the student's current identity record. Use the Identity Race Ethnicity table to determine all of the check boxes checked for the students current identity id. Report the Ed-Fi Code mapped to the corresponding Race Ethnicity a. Report all races if the student has more than 1 selected Do not report if the person does not have a Race/Ethnicity checked or there is not a corresponding mapping 	M	Demographics	identityRaceEthnicity racethnicity.raceid

Student Identification Codes

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field
1	studentidentificationSystemDescriptor (string)	The characteristic designated for the student. (Business Rules: Localized)	M	Demographics	person. studentNumber
		 Report 'L' for the Local Student Number Report 'SIS' for the SIS Internal ID (personID) 			person. personID

2	identificationCode (string)	A unique number or alphanumeric code assigned to a student by a school, school system, a state, or other agency or entity (Business Rules: Localized) 1. Report the Local Student Number for 'Local' 2. Report the personID for 'SIS Internal'	M	Demographics	person. studentNumber person. personID
3	assigningOrganizationIdentificationCode (string)	The organization code or name assigning the assessment identification code (Business Rules: Localized) 1. Report 'Local' for the Local Student Number 2. Report 'SIS Internal' for the personID	М	N/A	N/A

Student Characteristics

SATA

Data Element Label	Business Rule(s)	Mandatory/ Conditional/Optional	Tool Path	Database Field
studentCharacteristicDescriptor (string)	 The characteristic designated for the student. (Business Rules: Localized) Do NOT report for any students for school years 2022-2023 and later For school years 2021-2022 and earlier: a. Report when a student has an Enrollment marked State Assessment Type = Alternate b. Otherwise, do not report 	M		

designatedBy	(Business Rules: Localized)	0	N/A	N/A
	1. This is optional, do not report			
periods	(Business Rules: Localized)	0	N/A	N/A
	This is optional, do not report			

Economic Disadvantaged

Data Element Label Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field
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student Characteristic Descriptor	The characteristic designated for the student.	M	Enrollment	
(string)	 If Disadvantaged - Alt Mechanism (Student Information > General > Enrollment) is checked, report ED for student characteristic descriptor If Disadvantaged - Alt Mechanism (Student Information > General > Enrollment) is not checked: Report ED if an active FRAM eligibility record exists with a Type = Meal or SES for the current/reporting school year and Eligibility = Free or Reduced		FRAM	
designatedBy	(Business Rules: Localized) 1. This is optional, do not report	0	N/A	N/A
periods	(Business Rules: Localized)	0	N/A	N/A
	This is optional, do not report			

Not Economically Disadvantaged

Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field
studentCharacteristicDescriptor	The characteristic designated for the student.	М	Enrollment	
(string)	If the student does not report Economically Disadvantaged, report Not Economically Disadvantaged		FRAM	
designatedBy	(Business Rules: Localized)	0	N/A N/A	N/A
	1. This is optional, do not report			
periods	(Business Rules: Localized)	O	N/A N/A	N/A
	1. This is optional, do not report			

Immigrant

Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field
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studentCharacteristicDescriptor	The characteristic designated for the student.	М	Enrollment	
(string)	 Do not report for students Enrolled in a School with Ed-Fi Reporting Option of Choice ONLY or Choice + Private Opt In If students are enrolled in a school with Ed-Fi Reporting Option = Public If student is marked Immigrant = Yes, report Immigrant in the array Otherwise do not report 			
designatedBy	(Business Rules: Localized)	0	N/A	N/A
	This is optional, do not report			
periods	(Business Rules: Localized)	0	N/A	N/A
	This is optional, do not report			

Parent in Military

studentCharacteristicDescriptor	The characteristic designated for the student.	M	Military Connections	
(string)	 Do not report for students Enrolled in a School with Ed-Fi Reporting Option of Choice ONLY or Choice + Private Opt In If students are enrolled in a school with Ed-Fi Reporting Option = Public If the student has a Qualifying Relationship with a person with an Active Military Connections record, report Parent in Military in the array 			
designatedBy	(Business Rules: Localized)	0	N/A	N/A
	1. This is optional, do not report			
periods	(Business Rules: Localized)	0	N/A	N/A
	This is optional, do not report			

Teen Single Parent

Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field
studentCharacteristicDescriptor (string)	 The characteristic designated for the student. Do not report for students Enrolled in a School with Ed-Fi Reporting Option of Choice ONLY or Choice + Private Opt In If students are enrolled in a school with Ed-Fi Reporting Option = Public a. If student is enrolled in Grade = 11 or 12, and has a State Reported CTE Participant (Student Information > Academic Planning > Academic Program > Career Tech Program - Participation Detail) record with Teen Single Parent checked OR the student is marked 12. Teen Single Parent in (Student Information > General > CTE (CTEERS), report SP Otherwise do not report 	M	Academic Programs	
designatedBy	(Business Rules: Localized) 1. This is optional, do not report	0	N/A	N/A
periods	(Business Rules: Localized) 1. This is optional, do not report	0	N/A	N/A