

MN v3.3 - Student Education Organization Association

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Object Triggering Logic | Resource Toggle and Resync Logic | Natural Key Changes, Cascading Updates, and Deletes Logic | Scope Year Logic | Resource Preferences | Identity Mapping Object Key | Event Queue Detail | Object Data Elements | Array Data Elements | Type / Descriptors | Resource Preferences Continued

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

Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger					
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 enrollment is in a School marked as State Exclude. • Do not send a record if the No Show checkbox is checked on the enrollment. • For all Enrollment-related data, if multiple Enrollments exist that overlap the SEOA record, report the data elements from the Enrollment record with the most recent start date. • For all Identity-related data, if multiple Identity records exist that overlap the SEOA record, report the data elements from the Identity record with the most recent start date.					
Put	When any student data is edited for the person in the Data Elements fields below: 1. Identity Record • Race / Ethnicity • Home Primary Language 2. LEP Information • Program Status • Identified Date • LEP Exit Date • Parent Refused 3. Response To Intervention (RTI) Plan • Locked /Unlocked • Plan name changes 4. Student Characteristics • Refugee • Immigrant • US Entry Type 5. Economic Disadvantaged • SES FRAM Eligibility record 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 6. 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.					
Delete	This record will delete if: • Student no longer has an eligible enrollment in the District • Enrollment is marked as a No Show					

Resource Toggle and Resync Logic

This table describes the Resource Toggle and Trigger logic of this object.

Action	Business Rule
None	If a resource is toggled to 'OFF' after data has sent, all sent data will remain in the ODS but no new data will send.
Resync	If a record is in the Ed-Fi Identity Mapping table and not in the ODS, it will be deleted from the Ed-Fi Identity Mapping table.
Resync	If a record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it will be deleted from the ODS.
Resync	If a mapping is changed in Resource Preferences, a resync will need to be done to reflect the changes.

Natural Key Changes, Cascading Updates,



and Deletes Logic

This table describes the Natural Key Changes/Cascading Updates and Deletes logic of this object.

Action	Business Rule
Post/Delete	Natural Key Changes If the District Number/Ed-Fi District Number changes, a delete/post will occur with the cascading deletes from the LEA ID Change triggers. If an Ed-Fi ID changes, this will happen with the cascading deletes from the Ed-Fi ID Change trigger.
Delete	Cascading Deletes: N/A - no dependent resources

Scope Year Logic

This table describes scope year logic of this object.

Logic

A record will send to the scope year for the school year the enrollment is associated with.

- The enrollment must overlap with the scope year to report.
- Data will only send for the years that have valid configuration.

When using data in Campus that has a single date, the following logic will be applied to determine the scope year(s) to report the data to.

- Current Year: Records will be compared to today's date to determine if the record is eligible to report.
- Previous Years: The record's date must be on or before the schools year's end date defined in the School Years editor. If blank, the default date of 6/30/xxxx is used.
- Future Years: The record's date must be on or after the schools year's start date defined in the School Years editor. If blank, the default date of 7/01/xxxx is used.

When using data in Campus that have start and end dates, the following logic will be applied to determine the scope year(s) to report the data to.

- Current Year: The records start date must be on or before today's date and the records end date must be on or after today's date.
- Previous Years: The record's start date must be on or before the school year's end date and the record's
 end date must be after the school year's end date defined in the School Years editor. If blank, the default
 date of 6/30/xxxx is used.
- Future Years: The record's start date must be on or before the schools year's start date and the record's end date must be on or after the school year's start date defined in the School Years editor. If blank, the default date of 7/01/xxxx is used.

Resource Preferences

This table describes the Resource Preferences of this object.

Data Element Label	Mapping Needed
Student Characteristic Descriptor	Career Tech Special Populations
	Economic Disadvantaged
	Foster Care
	Homeless
	Parents in Military
	US Entry Type
	Flags
Race Descriptor	Race/Ethnicity
Language Descriptor	Home Primary Language
Disability Descriptor	Disability
Limited English Proficiency Descriptor	EL Program Status

Identity Mapping Object Key

This table describes the Identity Mapping Object Key of this object.



campusObjectType	Object Key Data Source
Person	personID

Event Queue Detail

This table describes the Event Queue Detail of this object.

Campus Table	Ed-Fi Action	Fields
enrollment	Post/Put/Delete Put	The primary table used for sending data for this resource. Reports Disabilities
identity	Put	Reports Hispanic or Latino, Gender, Home Primary Language, US Entry Type.
person	Put	Reports the Ed-FI ID.
contact	Put	Reports the Telephone and Email information.
householdlocation	Put	Determines if address is marked as Mailing or Private.
householdmember	Put	Determines household membership with Start Date, End Date, Private.
address	Put	PO Box, Number, Prefix, Street, Tag, Direction, Apt, City, State, Zip
raceethnicity	Put	Reports Races.
plantype	Put	Reports Indicators.
plan	Put	Reports Disabilities, Indicators.
planstate	Put	Reports Disabilities.
programs	Put	Reports any Characteristic created in Flags.
programparticipation	Put	Reports any Characteristic created in Flags.
Title1	Put	Reports Neglected or Delinquent.
ImpactAidEmployment	Put	Reports Parent in Military.
relatedpair	Put	Guardian checkbox for contact information and Parent in Military.
section504	Put	Reports Section 504 Handicapped.
homeless	Put	Reports Homeless, Unaccompanied Youth, Runaway.

Object Data Elements

This table describes data elements sent within the Student Education Organization Association resource. Data Element Labels in **bold** are part of the Natural Key and are required data elements for Data to send to Ed-Fi.

▶ Click here to expand...

Data Element Label	Business Requirement	Business Rules	M,	Location
			С	
			or	
			0	



Data Element Label	Business Requirement	Business Rules	M, C or	Location
education Organization Id	The identifier assigned to an education organization.	1. Report the Ed-Fi School ID. 2. If Ed-Fi School ID is NULL, report: • ttddddsssmmm where: • tt = district type • dddd = district number, left zero filled • sss = school number, left zero filled • mmm = 000 for all organizations reported in Ed-Fi		School & District Setti Schools > School Information > school I > Ed-Fi School ID tt: School & District Se > District > District Information > district > Type dddd: School & District > Settings > District > I Information > district > State District Numb SSS: School & District Settings > Schools > I Information > school I > State School Number School.entityID District.type District.number School.number
disabilities	The disability condition(s) that best describes an individual's impairment, as determined by evaluation(s) conducted by the education organization.	This is optional, does not report.		
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.	This is optional, does not report.		
languages	The language(s) the individual uses to communicate. It is strongly recommended that entries use only ISO 639-3 language codes.	See Array section below for data logic for each field.		
limitedEnglishProficiency Descriptor	An indication that the student has been identified as limited English proficient by the Language Proficiency Assessment Committee (LPAC), or English proficient.	This is optional, does not report.		
sexDescriptor	A person's gender.	Report from the latest identity record overlapping the enrollment. Check to see if the "Report Legal Identifies when provided" checkbox is selected. If yes, check to see if Legal Gender is populated. If yes, report the value. If no, report the Gender value. If no, report the Gender value.	М	Census > People > Identities > Gender identity.Gender
characteristics	Reflects important characteristics of the student's home situation: Displaced Homemaker Immigrant Migratory Military Parent Pregnant Teen Single Parent Unaccompanied Youth	See Array section for reporting logic.	С	



Data Element Label	Business Requirement	Business Rules	M, C	Location
identificationCodes	A coding scheme that is used for identification and record-keeping purposes by schools, social services, or other agencies to refer to a student.	See Array section for reporting logic.	C	
studentIndicators	An unordered collection of studentEducation OrganizationAssociationStudent Indicators. Indicator(s) or metric(s) computed for the student (e.g., at risk) to influence more effective education or direct specific interventions.	See Array section for reporting logic.	С	
telephones	The 10-digit telephone number, including the area code, for the person.	This is optional, does not report.	0	
AncestryEthnicOrigin	An unordered collection of studentEducation OrganizationAssociationAncestryEthnicOrigins. The ancestry ethnic origins that pertain to the general racial categories with which the individual identifies.	1. Report the mapped Ed-Fi Code value associated with any "More Detailed Ancestry/Ethnicity Codes" records saved in the student's record. If no mappings exist for the code, or no value exists, do not report. 2. If "Individual Hispanic/Latino" is marked as "Yes", report the mapped Ed-Fi Code value associated with any "More Detailed Hispanic/Latino Codes" records saved in the student's record. If "Individual Hispanic/Latino" is marked as "No", do not report any "More Detailed Hispanic/Latino Codes" records. If no mappings exist for the code, or no value exists, do not report.		Census > People > Id > More Detailed Ancestry/Ethnicity Co Census > People > Id > More Detailed Hispanic/Latino Codes Identity.raceSubcateg Identity.hispanicSubcateg
birthdate	The month, day, and year on which an individual was born.	Report the Birth Date value from the most recent Identity record.	М	Census > People > Id > Birth Date identity.birthdate
FirstName	A name given to an individual at birth, baptism, or during another naming ceremony, or through legal change.	1. Report from the latest identity record overlapping the enrollment. 2. Check to see if the "Report Legal Identities when provided" checkbox is selected. • If yes, check to see if Legal First Name is populated. • If yes, report the value. • If no, report the First Name value. • If no, report the First Name value.	M	Census > People > Id > First Name Census > People > Id > Legal First Name identity.firstName



Data Element Label	Business Requirement	Business Rules	M, C or O	Location
Generation Code Suffix	An appendage, if any, used to denote an individual's generation in the family (e.g., Jr., Sr., III).	1. Report from the latest identity record overlapping the enrollment. 2. Check to see if the "Report Legal Identities when provided" checkbox is selected. o If yes, check to see if Legal First Name is populated. If yes, report the value from Legal Suffix. If no, report the Suffix value. o If no, report the Suffix value. o If Null, do not report.	C	Census > People > Idi > Suffix Census > People > Idi > Legal Suffix Identity.suffix Identity.legalSuffix
LastName	The name borne in common by members of a family.	1. Report from the latest identity record overlapping the enrollment. 2. Check to see if the "Report Legal Identities when provided" checkbox is selected. • If yes, check to see if Legal First Name is populated. • If yes, report the value from Legal Last Name. • If no, report the Last Name value. • If no, report the Last Name value.	М	Census > People > Idi > Last Name Census > People > Idi > Legal Last Name identity.lastName



Data Element Label	Business Requirement	Business Rules	M, C or O	Location
MiddleName	A secondary name given to an individual at birth, baptism, or during another naming ceremony.	1. Report from the latest identity record overlapping the enrollment. 2. Check to see if the "Report Legal Identities when provided" checkbox is selected. • If yes, check to see if Legal First Name is populated. • If yes, report the value from Legal Middle Name. • If no, report the Middle Name value. • If no, report the Middle Name value. • If Null, do not report.	С	Census > People > Idi > Legal Middle Name Census > People > Idi > Middle Name identity.middleName
OptOutIndicatorsDescriptor	An unordered collection of studentEducation OrganizationAssociationOptOutIndicators.	1. Report 'MNC' if there is any FRAM record that: Has Start Date on or after July 1st of the Scope Year; and 'Opt Out SCHIP' is selected. 2. Otherwise, do not report.	М	FRAM > Application Processing > Eligibility Start Date FRAM > Application Processing > Eligibility OptOut SCHIP POSEligibility.optOutS

Array Data Elements

▶ Click here to expand...

Student Characteristics

Data Element	Business Rules	м, с	Location
Label		or O	



Data Element Label	Business Rules			M, C or O	Location		
Active Duty Parent		rt value: Branch i			С	Census > People > Military Connections	
	Code Name					ImpactAidEmployment.militaryBranc	
		1	Air Force			ImpactAidEmployment.militaryStatu	
		2	Air Force Reserve			ImpactAidEmployment.startDate ImpactAidEmployment.endDate	
		3	Air National Guard			RelatedPair.guardian	
		4	Army				
		5	Army Reserve				
		6	Army National Guard				
		7	Coast Guard				
		8	Coast Guard Reserve				
		9	Marine Corps				
		10	Marine Corps Reserve				
		11	Navy				
		12	Navy Reserve				
	2.	Status is	:				
		Code	Name				
		1	Active Duty, Deployed				
	2 Active Duty, Not Deployed						
		 Start Date / End Date overlaps the configured yearthen report 'StudentCharacteristicDescriptor#1'. 					
Immigrant	'Stud	entChar	is checked, report acteristicDescriptor2'. se, do not report.		С	Student Information > General > Enrollments > State Reporting > Immigrant	
	Calendar Override Mapping logic: If a student has an enrollment that is tied to a state-excluded grade level, but is mapped to a non-excluded grade level via the calendar override mapping tool, report the immigrant characteristics based on that enrollment.				Enrollment.immigrant		
Recently Arrived English Learner (RAEL)	Report 'StudentCharacteristicDescriptor#5' if RAEL has an Identified Date on the EL editor. Otherwise, do not report.			С	Student Information > English Learners > English Learners (EL) > "RAEL Identified Date" lep.raelIdentifiedDate		
SLIFE	If SLIFE is checked, report 'StudentCharacteristicDescriptor#6' Otherwise, do not report. Report beginDate from the EL Identified Date on the EL editor.			С	Student Information > English Learners > English Learners (EL) > "SLIFE"/"SLIFE Identified Date" Lep.slife Lep.slifedentifiedDate		
Migrant	Do no	ot report	:.		0		
Ancestry	If Race Ethnicity is marked as either '01' or '03', report 'StudentCharacteristic Descriptor#2'. • Otherwise, do not report.			С	Census > People > Identities/Demographics > Race Ethnicity		

Student Identification Codes



Data Element Label	Business Requirement	Business Rules	M, C or O	Location
studentIdentificationSystemDescriptor	A coding scheme that is used for identification and record-keeping purposes by schools, social services, or other agencies to refer to a student.	Report "Local".	M	N/A
assigning Organization Identification Code	The organization code or name assigning the StudentldentificationCode.	Report "Assigning District ID".	М	N/A
identificationCode	A unique number or alphanumeric code assigned to a student by a school, school system, a state, or other agency or entity.	Report the personID.	М	Census > People > Demographics > personID Person.personID

Student Indicators

Data Element Label	Business Requirement	Business Rules	M, C or O	Location				
indicatorName	The name of the indicator	1. If a Digital Equity record exists for the student that falls within the config year, report the following: o "InternetAccessInResidence" as the Indicator Name for the first record in the array. Report "InternetAccessTypeln Residence" for the 2nd record. Report "InternetPerformance" for the 3rd record. Report "DigitalDevice" for the 4th record. Report "PrimaryLearningDevice Provider" for the 5th record. Report "PrimaryLearningDeviceAccess" for the 6th record. If multiple Digital Equity records exist for the student, report the most recent record. If no record exists, do not report.	С	Student Information > State Programs > Digital Eq				
	or metric.			EdFi endpoint	Campus UI	Campus d		
				InternetAccess InResidence	Internet Access In Residence	DigitalEqui		
				InternetAccessType InResidence	Primary Internet Access Type in Res	DigitalEqui		
				InternetPerformance	Internet Performance	DigitalEqui		
				DigitalDevice	Primary Digital Device	DigitalEqui		
				PrimaryLearning DeviceProvider	Primary Learning Device Provider	TBD		
				PrimaryLearning DeviceAccess	Primary Device Access	DigitalEqui		
indicator	The value of	of If a Digital Equity record exists for the		Student Information >	State Programs	> Digital Eq		
	the indicator or metric.	student that falls within the configuration year, report the name for the value selected for each indicatorName.	С					
indicatorGroup	The name for a group of indicators.	If a Digital Equity record exists for the student that falls within the configuration year, report "DigitalEquity" for each indicatorName	С	N/A				

Languages

Data Element Label	Business Requirement	Business Rule	М, С,	Location
			or O	



languageDescriptor	The language(s) the individual uses to communicate. It is strongly recommended that entries use only ISO 639-3 language codes	Report the Language from the Home Primary Language saved on the student's current identity record. • Look for a mapping saved to the Language Descriptor Override section in preferences. If there is a mapped value, report that mapping. • If an override is not there, look to see if the language standard code matches an Ed-Fi code, if yes report that value. • Report default value if saved on the Attribute and the standard code matches an Ed-Fi code. • Otherwise, report blank.	M	Census > People > Identities > Home Primary Language identity.homePrimaryLanguage
uses	A description of how the language is used (e.g. Home Language, Native Language, Spoken Language).		0	

Races

Data Element	Business	Business Rule	М, С,	Location
Label	Requirement		or O	



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.	1. 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 student's current identity id. 2. Report the Ed-Fi Code mapped to the corresponding Race Ethnicity. • Report all races if the student has more than 1 selected. 3. Do not report if the person does not have a Race/Ethnicity checked or there is not a corresponding mapping.	Identi Identi and	us > People > ties > Race/Ethnicity tyRaceEthnicity nnicity.raceid
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Type / Descriptors

Student Characteristics

Code Value	Description	Namespace
1	Active Duty Parent (ADP)	uri://education.mn.gov/StudentCharacteristicDescriptor
2	American Indian - Alaskan Native (Minnesota)	uri://education.mn.gov/StudentCharacteristicDescriptor
3	Migrant	uri://education.mn.gov/StudentCharacteristicDescriptor
4	Immigrant	uri://education.mn.gov/StudentCharacteristicDescriptor
5	Recently Arrived English Learner (RAEL)	uri://education.mn.gov/StudentCharacteristicDescriptor
6	Student with Limited or Interrupted Formal Education (SLIFE)	uri://education.mn.gov/StudentCharacteristicDescriptor

Resource Preferences Continued

The Ed-Fi Configuration tool is used to establish Ed-Fi data resources.

The following describes how to set the resource preferences for the Student Education Organization Association resource. If the Configure or Edit buttons do not display, then the resource does not need to be mapped and the



toggle button can be used to turn the resource on or off.

If a mapping is changed, a resync must be performed on the resource in order for the new mappings to send correctly. Any item not mapped will not report to Ed-Fi.

1. Indicate if the resource should report Legal Identities.



2. Set the Student Education Organization Association Descriptors:

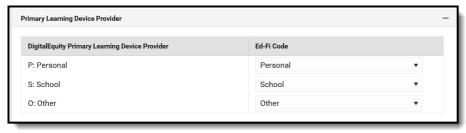
Primary Learning Device Access Descriptors: Indicates whether the student shares the device with anyone else in the household.





Primary Learning Device Provider Descriptors: Indicates if the primary learning device is a personal device or a school provided device.





Digital Device Descriptors: Indicates the type of device the student most often uses to complete school work at



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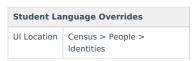
Race Descriptors: The general racial category which most clearly reflects the individual's recognition of his or her community or with which the individual most identifies.

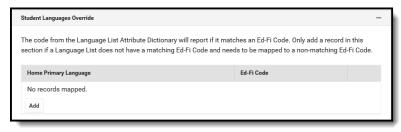




Student Language Override: The language the individual uses to communicate.

The Student Language Override mapping only needs to be populated if the code does not match a code that is in the Ed-Fi Code list.

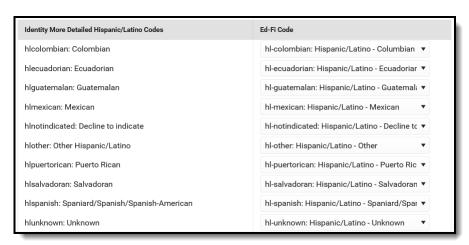


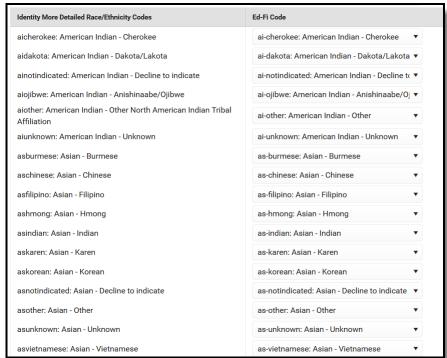


Ancestry Ethnic Origin Descriptors: The general category which most clearly reflects the individual's recognition of his or her ethnic ancestry.









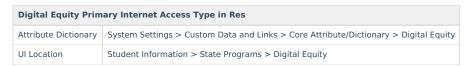
Internet Access In Residence Descriptors: Indicates if the student can access the internet on their primary learning device at home.

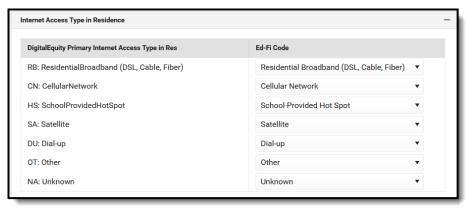




Internet Access Type In Residence Descriptors: Indicates the type of internet access the student has at home.







Internet Performance Descriptors: Indicates the performance of the student's internet service.





3. Click **Save.**