

# **MI Ed-Fi Suite 3 v6.2: Student Education Organization Associations**

July  
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# MI Ed-Fi Suite 3 v6.2: 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> <ul style="list-style-type: none"> <li>When the person's identity record is changed:                             <ul style="list-style-type: none"> <li>Race/Ethnicity</li> <li>Gender</li> <li>Home Primary Language, Native Language</li> <li>US Entry Type</li> </ul> </li> <li>Person's household locations is updated/changed</li> <li>Person's household memberships is added/deleted/changed</li> <li>Data in the address the student is associated with changes</li> <li>Student's IEP is locked or unlocked and/or a student's disability is changed on the IEP, Enrollment or State Special Education tab</li> <li>Student's contact information is changed: email, phone number</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 in accordance with DOE requirements, or the element has been added by a DOE as an Extended Element.

	<b>Data Element Label</b>	<b>Business Rule(s)</b>	<b>Mandatory/ Conditional/ Optional</b>	<b>Tool Path</b>	<b>Database Field</b>
1	<b>educationOrganizationId</b> <i>(reference)</i>	<i>A reference to the related education organization.</i> <hr/> 1. Report reference to the Local Education Agency	M	N/A	N/A
2	<b>studentReference</b> <i>(reference)</i>	<i>A reference to the related Student resource.</i> <hr/> 1. Reports the natural key of the Students resource	M	N/A	N/A

3	<p>addresses <i>(array)</i></p>	<p><i>The set of elements that describes an address, including the street address, city, state, and ZIP code.</i></p> <hr/> <p>1. <b>Physical Address</b> - If student has an active primary household address with Secondary = deselected and Physical = selected, report the address.</p> <ul style="list-style-type: none"> <li>i. If more than one address is found to be Physical, report the address of the person that has a household relationship to the student with Guardian = selected and lowest Emergency Priority number.</li> <li>ii. If more than one primary household is found, reports from the most recent based on start date.             <ul style="list-style-type: none"> <li>1. If multiple Guardians found or no Guardian exists, report address of highest record ID.</li> </ul> </li> </ul> <p>2. <b>Mailing Address</b> - If student's determined primary household has an active address with Secondary and Mailing = selected, report the address.</p> <ul style="list-style-type: none"> <li>i. If more than one address is found to be Mailing, report the address of the person that has a household relationship to the student with Guardian = selected and lowest Emergency Priority number.             <ul style="list-style-type: none"> <li>1. If multiple Guardians found or no Guardian exists, report address of highest record ID.</li> </ul> </li> </ul>	O	Household Address	<p>HouseholdLocation physical</p> <p>HouseholdLocation mailing</p> <p>HouseholdMember startDate</p> <p>HouseholdLocation StartDate</p>
4	<p>electronicMails <i>(array)</i></p>	<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</p> <ul style="list-style-type: none"> <li>a. Do not report if Email is marked as "Private"</li> </ul> <p>2. If blank, does not report</p> <p>3. See Array section for data logic for each field</p>	O	Demographics	contact.email

5	<p>hispanicLatinoEthnicity (boolean)</p>	<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> <hr/> <p>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"</p>	O	Demographics	identity.hispanicEthnicity
6	<p>languages (array)</p>	<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
7	<p>races (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	Demographics	IdentityRaceEthnicity.racethnicity.raceid
8	<p>sexDescriptor (string)</p>	<p><i>A person's gender.</i></p> <hr/> <p>1. Report the mapped Ed-Fi Code of Gender from the student's current identity record  a. This is NOT legal gender</p>	O	Demographics	identity.gender

9	identificationCodes <i>(array)</i>	<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>  1. See Array section for reporting logic	O	N/A	N/A
10	telephones <i>(array)</i>	<i>The 10-digit telephone number, including the area code, for the person.</i>  1. See Array section for data logic for each field	O	N/A	N/A
11	statusDescriptor <i>(string)</i>	<i>(MI EXT) Indicates status (OneRoster users.status) of the Student.</i>  1. This is optional, does not report	O	N/A	N/A
12	raceAsOfDate <i>(string)</i>	1. Reports the Effective Date of Identity record if a change in federal race checkboxes or the hispanic/latino droplist is found on or before the active date/today's date.	O	Identity	
13	schoolFoodServicesEligibilityAsOfDate	<i>(MI EXT) The date of the most recent change in SchoolFoodServicesEligibility.</i>  1. This is optional, does not report	O	N/A	N/A
14	yearOfEntry <i>(integer)</i>	<i>(MI EXT) The four-digit calendar year in which the student first attended school in the United States.</i>  1. Report year from Date Entered US School.	O	Demographics	



15	msdsRaceOrders (array)	<i>An unordered collection of studentEducationOrganizationAssociationMSDSRaceOrders. (MI EXT) Captures the racial group and order choice for MSDS.</i>  1. Reports student race(s). 2. See array for field specific logic.	O	Demographics	
16	programEligibilityParticipations (array)	<i>An unordered collection of studentEducationOrganizationAssociationProgramEligibilityParticipations. (MI EXT) Related to the student's eligibility and/or participation in specialized programs or services.</i>  1. Reports...	O		
17	indicators	1. This is optional, does not report	O	N/A	N/A
18	characteristics	1. This is optional, does not report	O	N/A	N/A
19	limitedEnglishProficiencyDescriptor	1. This is optional, does not report	O	N/A	N/A
20	disabilities	1. This is optional, does not report	O	N/A	N/A
21	tribalAffiliations	1. This is optional, does not report	O	N/A	N/A
22	programParticipations	1. This is optional, does not report	O	N/A	N/A

23	profileThumbnail	1. This is optional, does not report	O	N/A	N/A
24	oldEthnicityDescriptor	1. This is optional, does not report	O	N/A	N/A
25	loginId	1. This is optional, does not report	O	N/A	N/A
26	internationalAddresses	1. This is optional, does not report	O	N/A	N/A
27	cohortYears	1. This is optional, does not report	O	N/A	N/A

Arrays

Addresses

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field	Uses Core Template Rules  (Y/N/EXT)
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1	<b>addressTypeDescriptor</b> (string)	<i>The type of address listed for an individual or organization. For example: Physical Address, Mailing Address, Home Address, etc.)</i>  1. Physical Address - Reports 'Physical' 2. Mailing Address - Reports 'Mailing'	M	N/A	N/A	Y
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	<b>apartmentRoomSuiteNumber</b> (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.aprt	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>  <i>(string)</i>	<i>The street number and street name or post office box number of an address</i>  <hr/> 1. Reports Address PO Box + Number + Street + Tag + Prefix + Dir	M	Address	address.postOfficeBox  address.number  address.street  address.tag  address.prefix  address.dir	Y
7	countyCode	(MI EXT) A unique number or alphanumeric code assigned to a county by the state of Michigan.  <hr/> 1. Reports the code associated with the County saved on the student's address.	M	Address	address.county	EXT
8	periods	1. This is optional, do not report	O	N/A	N/A	Y
9	nameOfCounty	1. This is optional, do not report	O	N/A	N/A	Y
10	longitude	1. This is optional, do not report	O	N/A	N/A	Y
11	latitude	1. This is optional, do not report	O	N/A	N/A	Y

12	doNotPublishIndicator	1. This is optional, do not report	O	N/A	N/A	Y
13	countyFIPSCode	1. This is optional, do not report	O	N/A	N/A	Y
14	buildingSiteNumber	1. This is optional, do not report	O	N/A	N/A	Y

### Electronic Mails

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

2	<b>electronicMailAddress</b> <i>(string)</i>	<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	Demographics	contact. email	Y
3	primaryEmailAddressIndicator	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

	<b>Data Element Label</b>	<b>Business Rule(s)</b>	<b>Mandatory/ Conditional/ Optional</b>	<b>Tool Path</b>	<b>Database Field</b>	<b>Uses Core Template Rules  (Y/N/EXT)</b>
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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/> <ol style="list-style-type: none"> <li>1. Report the Code from the Home Primary Language saved on the student's current identity record.                         <ol style="list-style-type: none"> <li>a. If blank, do not report this field</li> <li>b. If the code does not match an Ed-Fi code, do not report a record</li> </ol> </li> <li>2. Report the Code from the Native Language saved on the student's current identity record.                         <ol style="list-style-type: none"> <li>a. If blank, do not report this field</li> <li>b. If the code does not match an Ed-Fi code, do not report a record</li> </ol> </li> <li>3. If Home Primary Language and Native Language match, report a single languageDescriptor associated with both uses (Home Language, Native Language).</li> </ol>	M	Demographics	identity. homePrimaryLanguage	Y
2	uses / languageUseDescriptor  (array / string)	<p><i>A description of how the language is used (e.g. Home Language, Native Language, Spoken Language).</i></p> <hr/> <ol style="list-style-type: none"> <li>1. If Home Primary Language = NOT NULL, report 'Home Language'</li> <li>2. If Native Language = NOT NULL, report 'Spoken Language'</li> </ol>	M	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	<b>raceDescriptor</b>	<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/> <ol style="list-style-type: none"> <li>1. Determine the Race/Ethnicity(s) that are checked on the student's current identity record.                             <ol style="list-style-type: none"> <li>a. Use the Identity Race Ethnicity table to determine all of the check boxes checked for the students current identity id.</li> </ol> </li> <li>2. Report the Ed-Fi Code mapped to the corresponding Race Ethnicity                             <ol style="list-style-type: none"> <li>a. Report all races if the student has more than 1 selected</li> </ol> </li> <li>3. Do not report if the person does not have a Race /Ethnicity checked or there is not a corresponding mapping</li> </ol>	M	Demographics	identityRaceEthnicity  racethnicity.raceid	Y
2						

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>  <i>(string)</i>	<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>  <hr/> <ol style="list-style-type: none"> <li>1. If reporting Student State ID, report 'State'.</li> <li>2. If reporting Local Student Number, report 'District'</li> </ol>	M	Demographics	person.studentNumber  person.stateID	Y
2	identificationCode  <i>(string)</i>	<i>A unique number or alphanumeric code assigned to a student by a school, school system, a state, or other agency or entity</i>  <hr/> <ol style="list-style-type: none"> <li>1. Report Student State ID</li> <li>2. Report Local Student Number</li> </ol>	M	Demographics	person.studentNumber  person.stateID	Y
3	assigningOrganizationIdentificationCode  <i>(string)</i>	<i>The organization code or name assigning the assessment identification code</i>  <hr/> <ol style="list-style-type: none"> <li>1. If reporting Student State ID, report 'State'.</li> <li>2. If reporting Local Student Number, report State District Number</li> </ol>	M	District Information	district.number	Y

### Telephones

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field	Uses Core Template Rules (Y/N/EXT)										
1	<b>telephoneNumberTypeDescriptor</b> <i>(string)</i>	<p><i>The type of communication number listed for an individual or organization.</i></p> <hr/> <p>1. Reports based on the Phone Number type entered in Campus based on the chart below</p> <table border="1"> <tr> <td>2. <b>Campus Phone</b></td> <td><b>Ed-FI Code</b></td> </tr> <tr> <td>Cell Phone</td> <td>Mobile</td> </tr> <tr> <td>Other Phone</td> <td>Home</td> </tr> <tr> <td>Work Phone</td> <td>Work</td> </tr> <tr> <td>Pager</td> <td>Other</td> </tr> </table>	2. <b>Campus Phone</b>	<b>Ed-FI Code</b>	Cell Phone	Mobile	Other Phone	Home	Work Phone	Work	Pager	Other	M	Demographics	contact. otherPhone  contact. workPhone  contact. cellPhone  contact. pager	Y
2. <b>Campus Phone</b>	<b>Ed-FI Code</b>															
Cell Phone	Mobile															
Other Phone	Home															
Work Phone	Work															
Pager	Other															

2	<b>telephoneNumber</b>  <i>(string)</i>	<i>The telephone number including the area code, and extension, if applicable.</i>  <hr/> <ol style="list-style-type: none"> <li>1. Reports the Phone numbers entered in the Personal Contact Information for that person</li> <li>2. do not report Phone Number is marked as "Private"</li> <li>3. If blank, does not report</li> </ol>	M	Demographics	contact.otherPhone  contact.workPhone  contact.cellPhone  contact.pager	Y															
3	doNotPublishIndicator	<ol style="list-style-type: none"> <li>1. This is optional, do not report</li> </ol>	O	N/A	N/A	Y															
4	orderOfPriority	<i>The order of priority assigned to telephone numbers to define which number to attempt first, second, etc.,</i>  <hr/> <ol style="list-style-type: none"> <li>1. Priority Reporting Order</li> </ol> <table border="1" data-bbox="707 895 1263 1198"> <thead> <tr> <th>Campus Phone</th> <th>Ed-FI Code</th> <th>Priority</th> </tr> </thead> <tbody> <tr> <td>Cell Phone</td> <td>Mobile</td> <td>1</td> </tr> <tr> <td>Other Phone</td> <td>Home</td> <td>2</td> </tr> <tr> <td>Work Phone</td> <td>Work</td> <td>3</td> </tr> <tr> <td>Pager</td> <td>Other</td> <td>4</td> </tr> </tbody> </table>	Campus Phone	Ed-FI Code	Priority	Cell Phone	Mobile	1	Other Phone	Home	2	Work Phone	Work	3	Pager	Other	4	O	Personal Contact Information		N
Campus Phone	Ed-FI Code	Priority																			
Cell Phone	Mobile	1																			
Other Phone	Home	2																			
Work Phone	Work	3																			
Pager	Other	4																			
5	textMessageCapabilityIndicator	<ol style="list-style-type: none"> <li>1. This is optional, do not report</li> </ol>	O	N/A	N/A	Y															