

# **AZ Ed-Fi Suite v7.1, Data Standard v5.0: Student Education Organization Responsibility Associations (SY 24-25)**

March  
2025

# AZ Ed-Fi Suite v7.1, Data Standard v5.0: Student Education Organization Responsibility Associations (SY 24-25)

## Table of Contents

- [Summary](#)
- [Object Triggering Logic](#)
- [Required Resources \(Upstream\)](#)
- [Dependent Resources \(Downstream\)](#)
- [Error Log](#)
- [Object Data Elements Logic](#)
- [Appendix](#)

## Summary

This association indicates a relationship between a student and an education organization other than an enrollment relationship, and generally indicating some kind of responsibility of the education organization for the student.

## Object Triggering Logic

Action	Business Rule(s)
--------	------------------

Post	<p>Report a record when the student has an Enrollment saved that overlaps the configured year <b>AND</b> the student has a locked Plan that overlaps the configured year and the Enrollment.</p> <ul style="list-style-type: none"><li>• When a student has two enrollments in the same School, Calendar, and Schedule Structure with the same start date, report from the enrollment service type in the following order:<ul style="list-style-type: none"><li>◦ P: Primary Enrollment</li><li>◦ S: Partial/Ancillary</li><li>◦ N: Special Ed Services</li></ul></li><li>• When a student has two Primary enrollments in the same school with the same start date, post the record with the highest enrollment ID.</li><li>• Report from the Enrollment that is tied to the Primary SPED Services School when populated.<ul style="list-style-type: none"><li>◦ When Primary SPED Services School is NULL, uses the Enrollment that has a Service Type of <i>P: Primary</i>.</li></ul></li><li>• Do not report a record if the any of the following exclusions are present:<ul style="list-style-type: none"><li>◦ Enrollment No Show</li><li>◦ Enrollment State Exclude</li><li>◦ Enrollment Grade Exclude from State Reporting</li><li>◦ Enrollment Start Status is <i>E: NON-SAIS DISTRICT USE ONLY!</i></li><li>◦ Calendar Exclude</li><li>◦ School Exclude</li></ul></li><li>• Three records will report for each reportable enrollment for these descriptors:<ul style="list-style-type: none"><li>◦ Accountability</li><li>◦ Funding</li><li>◦ Resident</li></ul></li></ul>
------	---

<p>Delete /Post</p> <p>Put</p>	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> <li>• When the following information is changed on an Enrollment:             <ul style="list-style-type: none"> <li>◦ Start Date</li> <li>◦ End Date</li> <li>◦ State Exclude</li> <li>◦ No Show</li> <li>◦ Resident School</li> <li>◦ Service Type</li> </ul> </li> <li>• When any of the following information is changed on Plans:             <ul style="list-style-type: none"> <li>◦ Plan ID (New Plan)</li> <li>◦ Education Plan                 <ul style="list-style-type: none"> <li>▪ IEP Start Date</li> <li>▪ IEP End Date</li> </ul> </li> <li>◦ Placement and LRE                 <ul style="list-style-type: none"> <li>▪ SPED Concurrency Type</li> <li>▪ SPED Services School</li> </ul> </li> </ul> </li> <li>• When any of the following information is changed on Evaluations:             <ul style="list-style-type: none"> <li>◦ Evaluation ID (New Evaluation)</li> <li>◦ Evaluation Information                 <ul style="list-style-type: none"> <li>▪ Evaluation Date</li> <li>▪ Exit Date</li> <li>▪ Evaluation Type</li> </ul> </li> </ul> </li> <li>• Changes to Resource Preferences mappings do <b>NOT</b> trigger. A manual resync must be performed on the resource if mappings are changed.</li> </ul>
<p>Delete</p>	<ul style="list-style-type: none"> <li>• When an Enrollment is deleted or no longer overlaps the configured year.</li> <li>• When the Plan is deleted, unlocked, or no longer overlaps the configured year.</li> <li>• When the Student is now excluded in some way.</li> <li>• When a record is in the Ed-Fi Identity Mapping Report but cannot be found on the Campus site.</li> </ul>

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Students
- Student School Associations

#### Dependent Resources (Downstream)

The following resources are dependent on this resource (must be sent after this resource):

- N/A

#### Error Log

The following are potential Tier 1 (Ed-Fi API generated) or custom (Campus generated) errors you may receive when posting, updating, or deleting this resource. Please keep in mind that the "Error Message" below may not match your exact error message.

Error Message	Possible Causes / How to Fix
400: Validation of ' <b>RESOURCE</b> ' failed. <b>FIELD</b> is required.	An element of the JSON that is required is missing and needs to be added. <ul style="list-style-type: none"> <li>• Double check that all bolded data elements below are reporting a valid value and no data elements below are reporting an invalid value.</li> </ul>
400: ' <b>RESOURCE</b> ' failed. <b>RESOURCE</b> reference could not be resolved.	A resource that was referenced from a difference resource does not yet exist. <ul style="list-style-type: none"> <li>• Resync the resource being mentioned in the error, then resync the errored resource. Alternatively, the resource being referenced may be incorrect. This can happen with Schools and the Ed-Fi School ID being used as an example. Double check the referenced values being sent are valid.</li> </ul>

<p>403: Authorization denied. The claim does not have any established relationships with the requested resource.</p>	<p>The key/secret being used does not have permission to send a record for the resource / referenced resource.</p> <ul style="list-style-type: none"> <li>• Double check your API credentials (key/secret). Sometimes specific keys/secrets cannot report specific resources.</li> <li>• The referenced person (student, staff, parent, contact, etc.) has not yet been associated to the key /secret. Resync their "linking" resource (Students Student School Associations, Staffs Staff Education Organization Assignment Associations, etc.) then resync the errored resource.</li> <li>• The referenced person (student, staff, parent, contact, etc.) may not exist in the ODS yet. Resync the "person" resource and the "linking" resource (Students Student School Associations, Staffs Staff Education Organization Assignment Associations, etc.) then resync the errored resource.</li> </ul>
<p>404: Failed to delete '<b>RESOURCE</b>'. Record does not exist.</p>	<p>The attempt to delete a specific Ed-Fi record ID in the ODS failed because it did not exist.</p> <ul style="list-style-type: none"> <li>• This error can be ignored. The ID was cleared from the Ed-Fi Identity Mapping Report and will not attempt to delete again.</li> </ul>
<p>409: A natural key conflict occurred when attempting to create a new resource '<b>RESOURCE</b>' with a duplicate key.</p>	<p>The Ed-Fi API has a natural key system alongside a standard REST ID system. This error is often protecting against the erroneous creation of a duplicate record in the API. However, it may also indicate that the natural key requirements of the Ed-Fi API have not been satisfied, and the key needs to be modified.</p> <ul style="list-style-type: none"> <li>• Check for duplicate data in your Campus site. If no duplicate data can be found, report the issue to Campus Support.             <ul style="list-style-type: none"> <li>◦ This can be caused by numerous issues. Our code may be attempting to send duplicate records when it should not. The natural key (bolded fields below) may not be unique enough to satisfy Ed-Fi requirements in all cases. Most times this error will require a code change to fix.</li> </ul> </li> </ul>
<p>409: The resource (or a subordinate entity of the resource) cannot be deleted because it is a dependency of the '<b>RESOURCE</b>' entity.</p>	<p>The resource that the application is attempting to delete is referenced from another entity.</p> <ul style="list-style-type: none"> <li>• Use the Delete Tool to delete the referenced resource in the error message. Then retry the delete on the original resource that errored.</li> </ul>

500: Internal Server Error.	<p>Something unexpected happened and no specific error message could be returned.</p> <ul style="list-style-type: none"> <li>• This issue usually occurs when the ODS is having issues. Confirm that there are no issues with the ODS the data is being sent to and then attempt to retry the errored record.</li> <li>• Contact Campus Support if 500 errors continue to occur, can be replicated consistently, and the ODS the data is being sent to has no ongoing issues.             <ul style="list-style-type: none"> <li>◦ There is a chance that Campus Ed-Fi code is sending an invalid JSON request resulting in the 500 error.</li> <li>◦ There is a chance that an Ed-Fi Data Standard / API bug is causing the issue.</li> <li>◦ Investigation is needed in these cases as there are many different potential causes.</li> </ul> </li> </ul>
-----------------------------	--

Object Data Elements Logic

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.

	<b>Data Element Label</b>	<b>Business Rule(s)</b>	<b>Mandatory (M) Conditional (C) Optional (O)</b>	<b>Data Source GUI Path</b>	<b>Database Field</b>	<b>Uses Template Logic</b>  (✓ / ✗ / EXT)
--	---------------------------	-------------------------	---	---------------------------------	-----------------------	---

1	<b>beginDate</b> ( <i>date</i> )	<p><i>Month, day, and year of the start date of an education organization's responsibility for a student.</i></p> <hr/> <p>Reports the latest of the following dates:</p> <ul style="list-style-type: none"> <li>• <b>IEP Start Date</b> <ul style="list-style-type: none"> <li>○ Enrollment End Date must be NULL <b>OR</b> after the IEP Start Date.                             <ul style="list-style-type: none"> <li>▪ If the Enrollment is part of a "ZZZ" chain of enrollments, reports the <b>Enrollment End Date</b> from the <b>LAST</b> enrollment in the "ZZZ" chain.                                     <ul style="list-style-type: none"> <li>• See the <a href="#">"ZZZ" article</a> for more information on specific logic.</li> </ul> </li> </ul> </li> <li>• <b>Enrollment Start Date</b> <ul style="list-style-type: none"> <li>○ IEP End Date must be after the Enrollment Start Date.                             <ul style="list-style-type: none"> <li>▪ If the Enrollment is part of a "ZZZ" chain of enrollments, reports the <b>Enrollment Start Date</b> from the <b>FIRST</b> enrollment in the "ZZZ" chain.                                     <ul style="list-style-type: none"> <li>• See the <a href="#">"ZZZ" article</a> for more information on specific logic.</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li></ul>	M	Special Ed Documents  Enrollments	Plan . startDate  Enrollment . startDate	✘
2	<b>responsibilityDescriptor</b> ( <i>string</i> )	<p><i>Indications of an education organization's responsibility for a student, such as accountability, attendance, funding, etc.</i></p> <hr/> <p>Reports <b>IEP</b>.</p>	M	N/A	N/A	✘



3	<b>educationOrganizationReference</b> <i>(reference)</i>	<p><i>A reference to the Schools resource associated with the Student Education Organization Responsibility Association being reported.</i></p> <hr/> <ul style="list-style-type: none"> <li>• educationOrganizationId             <ul style="list-style-type: none"> <li>○ Reports the <b>Resident School</b> from the Enrollment being reported.</li> <li>○ If Resident School is NULL, reports the Entity ID of the <b>Primary SPED Services School</b> populated on the locked Plan.</li> <li>○ If Primary SPED Services School is NULL, reports the <b>School Entity ID</b> from School Information.</li> </ul> </li> </ul>	M	Enrollment  Special Ed Documents  School Information	Enrollment . residentSchool  School . entityID	✘
4	<b>studentReference</b> <i>(reference)</i>	<p><i>A reference to the Students resource associated with the Student Education Organization Responsibility Association being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Students resource.</p>	M	N/A	N/A	✘
5	<b>endDate</b> <i>(date)</i>	<p><i>Month, day, and year of the end date of an education organization's responsibility for a student.</i></p> <hr/>	C	Special Ed Documents  Enrollments	Plan .endDate  Evaluation . endDate  Enrollment . endDate	✘

- If the Enrollment End Date is **NOT NULL** (Has a value):
  - Reports the earliest of the following dates:
    - **Exit Date** for the Evaluation with a Type of Exit.
      - The Exit Date must be within the IEP Start Date and the IEP End Date to be considered.
    - **Enrollment End Date**
      - If the Enrollment is part of a "ZZZ" chain of enrollments, reports the **Enrollment End Date** from the **LAST** enrollment in the "ZZZ" chain.
        - See the ["ZZZ" article](#) for more information on specific logic.
    - **IEP End Date**

- If the Enrollment End Date **IS** NULL (Does **NOT** have a value):
  - Confirm that at least one of the following is true to report a value:
    - An IEP exists starting **immediately after** the Plan the record is reporting from.
    - The Plan reporting has an end date that is prior to the last instructional day of the school year.
    - The most recent Evaluation with Type Exit has an Exit Reason of SPED01 or SPED09.
  - Report the earliest of the following dates:
    - **IEP End Date**
    - **Exit Date** for the Evaluation with a Type of Exit.
      - The Exit Date must be within the IEP Start Date and the IEP End Date to be considered.
    - **Last Instructional Day of the School Year**
  - When the LRE (SPED Setting) is *D: Public or Private Separate Day School for greater than 50% of the school day*, the endDate data element does **NOT** report until the associated enrollment has an end date.
  
- Does not report in all other situations.

**NOTES:**

		<ul style="list-style-type: none"> <li>The end date being sent <b>must be an instructional day</b>. If the calculated date (using the logic above) is not an instructional day, report the <b>previous instructional day</b>.             <ul style="list-style-type: none"> <li>Example:                 <ul style="list-style-type: none"> <li>4/15/23 is the calculated end date, but is not an instructional day.</li> <li>4/14/23 is not an instructional day.</li> <li>4/13/23 is an instructional day.</li> <li>We would report 4/13/23.</li> </ul> </li> </ul> </li> </ul>				
6	transfers	This is optional, does not report.	O	N/A	N/A	N/A

Appendix