

# AZ Ed-Fi Suite v7.3, Data Standard v5.2: Student Contact Associations (SY 25-26)

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## Summary

This association relates students to their parents, guardians, or caretakers.

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## Object Triggering Logic

Action	Business Rule(s)
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Post

Reports a record when Guardian is checked **AND** at least one related person is a student.

- The "contact" person must have a Parent Ed-Fi ID to send.
  - If the "contact" person does not have a Parent Ed-Fi ID, a process will be run to create a new Ed-Fi ID for them. The district does **NOT** need to manually do this. This is only done when **Contacts** or **Student Contact Associations** are resynced or triggered.
    - This means that even if these resources are not manually resynced, if they are triggered in some way (e.g. Guardian checkbox being checked on someone) the Parent Ed-Fi ID will populate.
- The Guardian does **NOT** need to be in a household with the student.
- A record is only reported for Relationships in the same School Year as the Ed-Fi Connection sending the record.
  - School Year dates are defined in School Year Setup.
    - If Start Date is NULL, 07/01/StartYear will be used.
    - If End Date is NULL, 06/30/EndYear will be used.
- If the student is a Guardian of themselves (emancipated), then report the student as both the Contact and the Student.
- Do not report a record if the any of the following exclusions are present:
  - Guardian has a NULL Ed-Fi ID.
  - Enrollment No Show
  - Calendar Exclude
  - School Exclude

Delete/Post

Put

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.

- When any of the following information is changed on Enrollments:
  - Enrollment ID (New Enrollment)
  - Start Date
  - End Date
  - No Show
- When any of the following information is changed on Relationships:
  - Relationship ID (New Relationship)
  - Guardian
  - Start Date
  - End Date
  - Emergency Priority
  - Relationship
- When any of the following information is changed on Household Membership:
  - Household Membership ID (New Household Membership)
  - Start Date
  - End Date
  - Private
- Changes to Resource Preferences mappings **do NOT trigger**. A manual resync must be performed on the resource if mappings are changed.

Delete

- When the Relationship is deleted or changed to no longer overlap the configured year.
- When the Enrollment no longer overlaps the configured year.
- When the Student is now excluded in some way.
- When a record is in the Ed-Fi Identity Mapping Report but cannot be found on the Campus site.
- When the Parent is no longer marked as a Guardian in the Relationship.

### Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Parents
- 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
400: Validation of ' <b>RESOURCE</b> ' failed. <b>FIELD</b> is required.	<p>An element of the JSON that is required is missing and needs to be added.</p> <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>



<p>400: '<b>RESOURCE</b>' failed. <b>RESOURCE</b> reference could not be resolved.</p>	<p>A resource that was referenced from a difference resource does not yet exist.</p> <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>

409: A natural key conflict occurred when attempting to create a new resource '**RESOURCE**' with a duplicate key.

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.

- Check for duplicate data in your Campus site. If no duplicate data can be found, report the issue to Campus Support.
  - 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.

409: The resource (or a subordinate entity of the resource) cannot be deleted because it is a dependency of the '**RESOURCE**' entity.

The resource that the application is attempting to delete is referenced from another entity.

- Use the Delete Tool to delete the referenced resource in the error message. Then retry the delete on the original resource that errored.

500: Internal Server Error.

Something unexpected happened and no specific error message could be returned.

- 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.
- 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.
  - There is a chance that Campus Ed-Fi code is sending an invalid JSON request resulting in the 500 error.
  - There is a chance that an Ed-Fi Data Standard / API bug is causing the issue.
  - Investigation is needed in these cases as there are many different potential causes.

## 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. For Core Ed-Fi connections, it indicates what the data standard requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	<b>contactReference</b> (reference)	<p><i>A reference to the Contacts resource associated with the Student Contact Association being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Contacts resource.</p>	M	N/A	N/A	✓
2	<b>studentReference</b> (reference)	<p><i>A reference to the Students resource associated with the Student Contact Associations 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	✓

3	contactPriority (number)	<p>The numeric order of the preferred sequence or priority of contact.</p> <hr/> <p>Reports the <b>Emergency Priority</b>.</p> <ul style="list-style-type: none"> <li>Does not report if Emergency Priority is NULL.</li> </ul>	O	Relationships	RelatedPair.seq	✓
4	livesWith (boolean)	<p>Indicator of whether the student lives with the associated parent.</p> <hr/> <ul style="list-style-type: none"> <li>Report <b>True</b> if the student lives in the same household as the related person.</li> <li>Report <b>False</b> in all other situations.</li> </ul>	O	Membership in Households	Household Member.householdID	✓
5	primaryContactStatus (boolean)	<p>Indicator of whether the person is a primary parental contact for the student.</p> <hr/> <ul style="list-style-type: none"> <li>Report <b>True</b> for the guardian with the earliest start date.           <ul style="list-style-type: none"> <li>If multiple guardians have the same start date, select the guardian with the lowest personID.</li> </ul> </li> <li>Report <b>False</b> in all other situations.</li> </ul>	O	Relationships	RelatedPair.guardian.startDate	✓
6	relationDescriptor (string)	<p>The nature of an individual's relationship to a student, primarily used to capture family relationships.</p> <hr/> <p>Reports the Ed-Fi Code mapped to the value selected for <b>Relationship</b>.</p> <ul style="list-style-type: none"> <li>This mapping can be found in the Resource Preferences of the Ed-Fi Connection under the Student Parent Associations resource.</li> </ul>	O	Relationships	RelatedPair.name	✓

7	beginDate (date)	<p><i>The start date for the IsIDEAParent relationships</i></p> <hr/> <ul style="list-style-type: none"> <li>• If reporting from a Plan: Reports the <b>Plan Start Date</b> if a Plan that overlaps the configured year exists.</li> <li>• If reporting from a Flag: Reports the <b>Flag Start Date</b> if a Flag with a State Code of 999 (IEP) that overlaps the configured year exists.</li> <li>• If reporting from Section 504: Reports the <b>Section 504 Start Date</b> if a Section 504 record that overlaps the configured year exists.</li> <li>• Does not report in all other situations or if Plan Start Date / Flag Start Date / Section 504 Start Date is NULL.</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• The priority for grabbing date ranges to check if a contact is an IDEA Parent is:             <ul style="list-style-type: none"> <li>◦ Flag with State Code of 999 (IEP).</li> <li>◦ Plan</li> <li>◦ Section 504</li> </ul> </li> </ul>	C	Special Ed Document s Flags Section 504	Plan .startDate ProgramParticipation .startDate Section504 .startDate	EXT
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8	endDate (date)	<p><i>The end date for the IsIDEAParent relationships</i></p> <hr/> <ul style="list-style-type: none"> <li>• If reporting from a Plan: Reports the <b>Plan End Date</b> if a Plan that overlaps the configured year exists.</li> <li>• If reporting from a Flag: Reports the <b>Flag End Date</b> if a Flag with a State Code of 999 (IEP) that overlaps the configured year exists.</li> <li>• If reporting from Section 504: Reports the <b>Section 504 End Date</b> if a Section 504 record that overlaps the configured year exists.</li> <li>• Does not report in all other situations or if Plan End Date / Flag End Date / Section 504 End Date is NULL.</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• The priority for grabbing date ranges to check if a contact is an IDEA Parent is:             <ul style="list-style-type: none"> <li>◦ Flag with State Code of 999 (IEP).</li> <li>◦ Plan</li> <li>◦ Section 504</li> </ul> </li> </ul>	C	Special Ed Documents Flags Section 504	Plan .endDate ProgramParticipation .endDate Section504 .endDate	EXT
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9	isIDEAParent (boolean)	<p><i>Indicates to identify which relationships reported are the Parent in the eyes of IDEA.</i></p> <hr/> <ul style="list-style-type: none"> <li>Report <b>True</b> if the associated Student is in Special Education. Special Education is defined as:             <ul style="list-style-type: none"> <li>The student has a locked IEP that overlaps the configured year <b>OR</b></li> <li>The student has <b>NO</b> IEPs, but they have a Flag with a State Code of 999 (IEP) that overlaps the configured year.</li> </ul> </li> <li>Report <b>True</b> if the associated Contact is populated in the IDEA Contact field of a Section 504 record that overlaps the configured year.</li> <li>Report <b>False</b> in all other situations.</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>The priority for grabbing date ranges to check if a contact is an IDEA Parent is:             <ul style="list-style-type: none"> <li>Flag with State Code of 999 (IEP).</li> <li>Plan</li> <li>Section 504</li> </ul> </li> </ul>	M	Special Ed Document s Flags Section 504	PlanState .status Plan .startDate Plan .endDate ProgramParticipation .startDate ProgramParticipation .endDate ProgramParticipation .code Section504 .startDate Section504 .endDate Section504 .contactPersonID	EXT
10	contactPriority	This data element is optional and does not report.	O	N/A	N/A	N/A



1 1	contactRestrictions	This data element is optional and does not report.	O	N/A	N/A	N/A
1 2	emergencyContact Status	This data element is optional and does not report.	O	N/A	N/A	✖
1 3	legalGuardian	This data element is optional and does not report.	O	N/A	N/A	N/A



## Appendix