

AZ Ed-Fi Suite v7.3, Data Standard v6.0: Staff Section Associations (SY 26-27)

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Summary

This association indicates the class sections to which a staff member is assigned.

Object Triggering Logic

Action	Business Rule(s)
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Post

Report a record when the Person is added to Section Staff History in a Section that overlaps the configured year **AND** has a Staff Type of P (Primary Teacher) or T (Teacher) **AND** has a Role that is mapped to an Ed-Fi Code in Resource Preferences for the Staff Section Associations resource.

- One record will report per eligible Sessions record attributed to the Section/Staff History Dates.
- A record is only reported for Section Staff Histories 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.
- Do not report a record if the any of the following exclusions are present:
 - Person has a NULL Staff Unique ID (whatever field is being used for the staffUniqueId data element).
 - Course Inactive
 - District Assignment Exclude
 - District Assignment dates do not overlap Section dates
 - 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 District Assignment:
 - District Assignment ID (New District Assignment)
 - Start Date
 - End Date
 - Exclude
- When any of the following information is changed on Section Staff History:
 - Section Staff History ID (New Section Staff History)
 - Start Date
 - End Date
 - Role
 - Staff Type
- Changes to Resource Preferences mappings **do NOT trigger**. A manual resync must be performed on the resource if mappings are changed.

Delete

- When the Role changes to NULL or a value that is not mapped to an Ed-Fi Code.
- When the Section Staff History record is deleted.
- When the District Assignment is deleted.
- When the District Assignment dates are changed to no longer overlap the configured year.
- When the Person 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.

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Staffs
 - Sections
-

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
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<p>400: Validation of 'RESOURCE' failed. FIELD is required.</p>	<p>An element of the JSON that is required is missing and needs to be added.</p> <ul style="list-style-type: none"> • Double check that all bolded data elements below are reporting a valid value and no data elements below are reporting an invalid value.
<p>400: 'RESOURCE' failed. RESOURCE 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"> • 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.

403: Authorization denied. The claim does not have any established relationships with the requested resource.

The key/secret being used does not have permission to send a record for the resource / referenced resource.

- Double check your API credentials (key/secret). Sometimes specific keys/secrets cannot report specific resources.
- 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.
- 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.

404: Failed to delete '**RESOURCE**'. Record does not exist.

The attempt to delete a specific Ed-Fi record ID in the ODS failed because it did not exist.

- This error can be ignored. The ID was cleared from the Ed-Fi Identity Mapping Report and will not attempt to delete again.

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.

	Data Element Label	Business Rule(s)	Data Source GUI Path	Database Field
1	sectionReference (reference)	<p><i>A reference to the Sections resource associated with the Staff Section Association being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Sections source.</p>	N/A	N/A
2	staffReference (reference)	<p><i>A reference to the Staffs resource associated with the Staff Section Association being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Staffs resource.</p>	N/A	N/A

3	beginDate (date)	<p>Month, day, and year of a teacher's assignment to the section. If blank, defaults to the first day of the first grading period for the section.</p> <hr/> <p>Reports the Staff History Start Date</p> <ul style="list-style-type: none"> • Reports the latest of the Term Start Date or the District Assignment Start Date if the Staff History Start Date is NULL. 	<p>Section Staff History</p> <p>District Assignment Calendar</p>	<p>SectionStaffHistory .startDate</p> <p>EmploymentAssignment .startDate</p> <p>Term .startDate</p>
4	classroomPositionDescriptor (string)	<p>The type of position the staff member holds in the specific class/section.</p> <hr/> <p>Reports the Ed-Fi Code mapped to the value selected for Role.</p> <ul style="list-style-type: none"> • This mapping can be found in the Resource Preferences of the Ed-Fi Connection under the Staff Section Associations resource. • If the Role is NULL or not mapped to an Ed-Fi Code, report R (Regular Class). 	<p>Section Staff History</p>	<p>SectionStaffHistory .role</p>

5	endDate (date)	<p>Month, day, and year of the last day of a staff member's assignment to the section.</p> <hr/> <p>Reports the Staff History End Date</p> <ul style="list-style-type: none"> • Reports the earliest of the Term End Date or the District Assignment End Date if the Staff History End Date is NULL. 	Section Staff History District Assignment Calendar	SectionStaffHistory .endDate EmploymentAssignment .endDate Term .endDate
6	highlyQualifiedTeacher	This data element is optional and does not report.	N/A	N/A
7	percentageContribution	This data element is optional and does not report.	N/A	N/A
8	teacherStudentDataLinkExclusion	This data element is optional and does not report.	N/A	N/A

Appendix

