

IN Ed-Fi Suite v7.3, Data Standard v5.2: Staff Education Organization Assignment Associations

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Summary

This association indicates the education organization to which a staff member provides services. The Staff Education Organization Assignment Association creates a connection between the district and the staff member, allowing dependent staff-related Ed-Fi resources to post.

Object Triggering Logic

Action	Business Rule(s)
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POST	<p>Report a record when a person has a District Employment record that overlaps the configured year with the District Staff check box checked and a District Assignment Code populated and mapped to an Ed-Fi Code OR When a person has a District Assignment record that overlaps the configured year with a Title populated and mapped to an Ed-Fi Code.</p> <ul style="list-style-type: none"> Do not report a record if the any of the following exclusions are present: <ul style="list-style-type: none"> There is not a Staff State ID for the staff person. If the record is being triggered from a District Assignment record and it is marked as Exclude If the record is being triggered from a District Assignment record and the School is marked as Exclude If the District Assignment Code / Title field is not mapped in Resource Preferences A record will generate for each valid District Assignment at a school. If a staff member has a District Employment record that is marked as District Staff and a District Assignment record, the staff member will get multiple records. One with an Ed Org Reference Number = to the District Number and one with an Ed Org Reference Number = to each school they have an eligible District Assignment record for.
DELETE / POST PUT	<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"> When the following information on a District Employment changes: <ul style="list-style-type: none"> District Staff District Assignment Code Start Date End Date When the following information on a District Assignment changes: <ul style="list-style-type: none"> Start Date End Date Title Exclude When the following information on Demographics changes: <ul style="list-style-type: none"> Staff State ID

DELETE	<ul style="list-style-type: none">• If data is sent prior to the Exclude check boxes are checked, the data will remain, and the user will need to use the Delete Tool to remove data.• When a District Assignment is deleted.• When a District Employment is deleted.
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Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Local Education Agencies (Pre-populated)
- Schools (Pre-populated)
- Staffs

Dependent Resources (Downstream)

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

- All staff-related resources

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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N/A - Staff members are not populating in the IN DOE "Staff Enrollment" report	<p>This can be caused by multiple items. Please check the following:</p> <ul style="list-style-type: none"> • Confirm that Staff-related resources sent by Infinite Campus through Ed-Fi are reporting: <ul style="list-style-type: none"> ◦ Staffs ◦ Staff Education Organization Assignment Associations ◦ Staff Education Organization Contact Associations ◦ Staff Section Associations (if applicable) • Confirm that the Staff members have a Staff Education Organization Employment Association record: <ul style="list-style-type: none"> ◦ Infinite Campus does NOT report this resource through Ed-Fi as we do not collect the information required for it. ◦ Data is expected to be reported through the 007 - Staff Employment Template. <ul style="list-style-type: none"> ▪ All Staff Employment & Staff Injury Templates & Documentation - IDOE Knowledge Hub - Indiana DOE - Knowledge Hub ▪ How to Report Staff Employment - IDOE Knowledge Hub - Indiana DOE - Knowledge Hub
400: ' RESOURCE ' failed. RESOURCE reference could not be resolved.	<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.
400: Validation of ' RESOURCE ' failed. FIELD 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"> • Double check that all bolded data elements below are reporting a valid value and no data elements below are reporting an invalid value.

<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"> • 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.
<p>404: Failed to delete 'RESOURCE'. 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"> • This error can be ignored. The ID was cleared from the Ed-Fi Identity Mapping Report and will not attempt to delete again.
<p>409: A natural key conflict occurred when attempting to create a new resource 'RESOURCE' 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"> • 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"> ◦ 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.
<p>409: The resource (or a subordinate entity of the resource) cannot be deleted because it is a dependency of the 'RESOURCE' entity.</p>	<p>The resource that the application is attempting to delete is referenced from another entity.</p> <ul style="list-style-type: none"> • 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.	<p>Something unexpected happened and no specific error message could be returned.</p> <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> ◦ 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.
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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.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
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1	beginDate (date)	<p><i>Month, day, and year of the start or effective date of a staff member's employment, contract, or relationship with the education organization.</i></p> <hr/> <ul style="list-style-type: none"> When reporting from the District Employment record, report the District Employment Start Date. When reporting from the District Assignment record, report the District Assignment Start Date. 	M	District Employment District Assignment	Employment .startDate EmploymentAssignment .startDate	✓
2	staffClassificationDescriptor (string)	<p><i>The titles of employment, official status, or rank of education staff.</i></p> <hr/> <p>Report the Ed-Fi Code mapped to the value selected:</p> <ul style="list-style-type: none"> When reporting from District Employment, report the Ed-Fi Code mapped to the District Assignment Code selected. When reporting from District Assignment, report the Ed-Fi Code mapped to the Title selected. 	M	District Employment District Assignment	Employment .assignmentCode EmploymentAssignment .title	✗

3	educationOrganizationReference (<i>reference</i>)	<p><i>A reference to the Local Education Agencies or Schools resource associated with the Staff Education Organization Assignment Association being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Education Organization resource.</p> <ul style="list-style-type: none"> When sending from a District Employment record: <ul style="list-style-type: none"> educationOrganizationId = 10 + State District Number + 0000 When sending from a District Assignment record: <ul style="list-style-type: none"> educationOrganizationId = 10 + State District Number + State School Number 	M	District Information School Information	District.entityID School.entityID	✓
4	staffReference (<i>reference</i>)	<p><i>A reference to the Staffs associated with the Staff Education Organization Assignment Association being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Staffs resource.</p>	M	N/A	N/A	✓

5	endDate (date)	<p><i>Month, day, and year of the end or termination date of a staff member's employment, contract, or relationship with the education organization.</i></p> <hr/> <ul style="list-style-type: none"> When reporting from the District Employment record, report the District Employment End Date. When reporting from the District Assignment record, report the District Assignment End Date. 	C	District Employment District Assignment	Employment .endDate EmploymentAssignment .endDate	✓
6	positionTitle (string)	<p><i>The descriptive name of an individual's position.</i></p> <hr/> <p>Report the Name of the District Assignment Code (District Employment) or Title (District Assignment) that is selected.</p>	M	District Employment District Assignment	Employment .assignmentCode EmploymentAssignment .title	✓
7	credentialReference	This is optional, does not report.	O	N/A	N/A	N/A
8	employmentStaffEdOrgEmploymentAssociationReference	This is optional, does not report.	O	N/A	N/A	N/A
9	fullTimeEquivalency	This is optional, does not report.	O	N/A	N/A	N/A
10	orderOfAssignment	This is optional, does not report.	O	N/A	N/A	N/A

Appendix

