

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

Table of Contents

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

Summary

This entity represents a contact of a student, such as a parent, guardian or caretaker.

Object Triggering Logic

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

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.
- The Relationship between the Guardian and the student must overlap today's date to send a record.
 - Relationship Start Date must be on or before today's date.
 - Relationship End Date must be on or after today's date.
- If the student is a Guardian of themselves (emancipated), then report the student as both the Parent and the Student.

- Do not report a record if the any of the following exclusions are present:
 - Guardian has a NULL Parent Ed-Fi ID.
 - Enrollment No Show - Must apply to all related students.
 - Calendar Exclude - Must apply to all related students.
 - School Exclude - Must apply to all related students.

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 Identity:
 - Identity ID (New Identity)
 - Effective Date
 - First Name
 - Middle Name
 - Last Name
 - Suffix
 - Gender
- When any of the following information is changed on Demographics:
 - Parent Ed-Fi ID
- When any of the following information is changed on Relationships:
 - Relationship ID (New Relationship)
 - Guardian
 - Start Date
 - End Date



	<ul style="list-style-type: none"> • Changes to Resource Preferences mappings do NOT trigger. A manual resync must be performed on the resource if mappings are changed.
Delete	<ul style="list-style-type: none"> • Contacts records are shared amongst all districts and cannot be deleted. When the Student Contact Association is deleted, the district will no longer have the authorization to see or perform a delete on the Contacts record.

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- N/A

Dependent Resources (Downstream)

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

- Student Contact Associations

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 ' 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.

400: '**RESOURCE**' failed. **RESOURCE** reference could not be resolved.

A resource that was referenced from a difference resource does not yet exist.

- 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	contactUniqueId (string)	<p><i>A unique alphanumeric code assigned to a contact.</i></p> <hr/> <p>Reports the Parent Ed-Fi ID.</p>	Demographics	Person.edFiID
2	firstName (string)	<p><i>A name given to an individual at birth, baptism, or during another naming ceremony, or through legal change.</i></p> <hr/> <p>Reports the First Name from the person's most recent Identity record.</p> <ul style="list-style-type: none"> • This does NOT consider legal information. We only report based on the preferred information. 	Identities	Identity.firstName

3	generationCodeSuffix (string)	<p><i>An appendage, if any, used to denote an individual's generation in his family (e.g., Jr., Sr., III).</i></p> <hr/> <p>Reports the Suffix from the person's most recent Identity record.</p> <ul style="list-style-type: none"> • This does NOT consider legal information. We only report based on the preferred information. 	Identities	Identity .suffix
4	lastSurname (string)	<p><i>The name borne in common by members of a family.</i></p> <hr/> <p>Reports the Last Name from the person's most recent Identity record.</p> <ul style="list-style-type: none"> • This does NOT consider legal information. We only report based on the preferred information. 	Identities	Identity .lastName
5	middleName (string)	<p><i>A secondary name given to an individual at birth, baptism, or during another naming ceremony.</i></p> <hr/> <p>Reports the Middle Name from the person's most recent Identity record.</p> <ul style="list-style-type: none"> • This does NOT consider legal information. We only report based on the preferred information. 	Identities	Identity .middleName

6	sexDescriptor (string)	<p><i>A person's gender.</i></p> <hr/> <p>Reports the Gender from the person's most recent Identity record.</p> <ul style="list-style-type: none"> • This does NOT consider legal information. We only report based on the preferred information. • Male reports Male. • Female reports Female. • All other codes report Not Selected. <ul style="list-style-type: none"> ◦ This will error. This is by design to indicate that the Gender selected cannot be reported. 	Identities	Identity .gender
7	personReference	This data element is optional and does not report.	N/A	N/A
8	addresses	This data element is optional and does not report.	N/A	N/A
9	electronicMails	This data element is optional and does not report.	N/A	N/A
10	genderIdentity	This data element is optional and does not report.	N/A	N/A
11	highestCompleted LevelOfEducationD escriptor	This data element is optional and does not report.	N/A	N/A
12	internationalAddres ses	This data element is optional and does not report.	N/A	N/A

1 3	languages	This data element is optional and does not report.	N/A	N/A
1 4	loginId	This data element is optional and does not report.	N/A	N/A
1 5	maidenName	This data element is optional and does not report.	N/A	N/A
1 6	otherNames	This data element is optional and does not report.	N/A	N/A
1 7	personalIdentificationDocuments	This data element is optional and does not report.	N/A	N/A
1 8	personalTitlePrefix	This data element is optional and does not report.	N/A	N/A
1 9	preferredFirstName	This data element is optional and does not report.	N/A	N/A
2 0	preferredLastSurname	This data element is optional and does not report.	N/A	N/A
2 1	telephones	This data element is optional and does not report.	N/A	N/A



Appendix