

# Arizona Ed-Fi Data v3.5 - Calendars

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**Classic View:** System Administration > Ed-Fi

**Search Terms:** Ed-Fi

This entity represents a set of dates associated with an organization.

## Object Triggering Logic

This table describes logic for triggering syncing of this object.

| Action      | Trigger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Post        | <p>A Calendars record will be created for each Calendar/Schedule Structure combination.</p> <ul style="list-style-type: none"> <li>When a new Calendar and Schedule Structure is created and saved via the Calendar Wizard.</li> <li>When a new Schedule Structure in an existing Calendar is created and saved.</li> <li>Do not send a record if the Calendars resource is toggled 'OFF' in the Calendars Resource Preferences.</li> <li>Do not send a record if the Calendar is mapped to an override calendar in the Resource Preferences &gt; Calendars &gt; Calendar Override Mapping tool.</li> <li>Do not send a record if the Calendar 'Days Per Week' field is blank/null.</li> </ul> |
| Put         | <p>When fields that are not part of the natural key are changed.</p> <ul style="list-style-type: none"> <li>If the Type is changed on the Calendar tab.</li> <li>When a grade level is deleted from the Grade Levels tab it will be removed from the array.</li> <li>When a grade level is added to the Grade Levels tab and a mapping exists already for that grade level.</li> </ul>                                                                                                                                                                                                                                                                                                         |
| Delete      | <p>If a calendar and/or schedule structure is deleted.</p> <ul style="list-style-type: none"> <li>If a previously created Calendars record has been sent, then it is subsequently mapped to a different calendar via the Calendar Override Mapping tool, and a resync of the Calendars resource is performed.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                       |
| Delete/Post | Delete if a 2nd Schedule Structure is added after 1st Calendar is sent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## School Exclude, Calendar Exclude, Resource Toggle and Resync Logic

This table describes the School Exclude, Calendar Exclude, Resource Toggle and Resync logic of this object.

| Action | Trigger                                                                                                                                                                                     |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| None   | No data will send if the School or Calendar is marked as Exclude.                                                                                                                           |
| Delete | If the Calendar is marked as exclude after the Calendar or any dependent data is sent, the calendar and all dependent data will delete upon a resync even if the resource is toggled 'OFF'. |
| None   | If a resource is toggled to 'OFF' after data has sent, all sent data will remain in the ODS but no new data will send.                                                                      |
| Resync | If a Calendar record is in the Ed-Fi Identity Mapping table and not in the ODS, it will be deleted from the Ed-Fi Identity Mapping table.                                                   |
| Resync | If a Calendar record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it will be deleted from the ODS.                                   |
| Resync | If a mapping is changed in Resource Preferences, a resync will need to be done to reflect the changes.                                                                                      |

## Natural Key Changes, Cascading Updates, and Deletes Logic

This table describes the Natural Key Changes/Cascading Updates and Deletes logic of this object.

| Action      | Trigger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Post/Delete | <p>Natural Key change: If a 2nd schedule structure is added after data is sent, the first Calendar record will need to be Deleted/Posted with new Calendar Code logic to be Calendar ID + Schedule Structure ID.</p> <ul style="list-style-type: none"> <li>If a calendar or schedule structure is moved via script, all data sent to the ODS will remain and the Delete tool will need to be used to remove all data sent.</li> <li>If the School ID changes, a delete/post will occur with the cascading deletes from the School ID change triggers.</li> </ul> |

## Scope Year Logic

This table describes scope year logic of this object.

| Logic                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Calendars will only send for the school year to which they are aligned.</p> <ul style="list-style-type: none"> <li>Data will only send for years that have valid configuration.</li> <li>A resync must be completed on the resource when a new scope year is connected in order for this data to send.</li> </ul> |

## Resource Preferences

This table describes the Resource Preferences of this object.

| Data Element Label     | Mapping Needed                          |
|------------------------|-----------------------------------------|
| calendarTypeDescriptor | calendar.type                           |
| gradeLevelDescriptor   | Uses the overall 'Grade Levels' mapping |

## Identity Mapping Object Key

This table describes the Identity Mapping Object Key of this object.

| campusObjectType  | Object Key Data Source |
|-------------------|------------------------|
| ScheduleStructure | structureID            |

## Event Queue Detail

This table describes the Event Queue Detail of this object.

| Campus Table | Ed-Fi Action    | Fields                                                                                                                        |
|--------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------|
| calendar     | Post/Put/Delete | The primary table used for sending data for this resource.                                                                    |
| gradelevel   | Put             | Will update the Grade Levels field if a grade level is added/removed to the school and a mapping exists for that grade level. |

## Error Log

This table describes the Error logic of this object.

| Error                                                                                                                                                | Possible Causes/How to Fix                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 403 Forbidden:<br>{ "message": "Access to the resource could not be authorized for the requested action 'http://ed-fi.org/odsapi/actions/create.'" } | This is usually caused by a security set up error in the ODS. Contact the Ed-Fi Alliance for assistant on correct security setup in the ODS.                   |
| Error code return from Ed-Fi. 400:<br>[message:Validation of 'Calendar' failed. CalendarTypeDescriptorId is required.]                               | The Type field is not selected on the Calendar that is being sent or the Type selected on the Calendar is not mapped to an Ed-Fi Code in Resource Preferences. |

## Object Data Elements

This table describes data elements sent within the Calendars resource.

| Data Element Label   | Business Requirement                                                                                                                                                                                                                                                                                                                                                                  | M, C or O | Data Source GUI Path                                                                                                                                                                                                                                                                                                                                                                                                  | Database Field                                                                                                                                                  |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| id                   | The unique identifier of the resource.                                                                                                                                                                                                                                                                                                                                                | M         |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                 |
| <b>Calendar Code</b> | The identifier for the Calendar.<br>Report the following values, concatenated with dashes between each value, in the following order:<br><ol style="list-style-type: none"> <li>District Entity ID Override <ol style="list-style-type: none"> <li>If NULL, District Entity ID</li> </ol> </li> <li>School Entity ID</li> <li>Calendar Days Per Week</li> <li>Structure ID</li> </ol> | M         | <p>System Administration &gt; Resources &gt; School &gt; District Entity ID</p> <p>System Administration &gt; Resources &gt; District Information Entity ID</p> <p>System Administration &gt; Resources &gt; School &gt; Entity ID</p> <p>System Administration &gt; Calendar &gt; Calendar &gt; Days Per Week</p> <p>System Administration &gt; Calendar &gt; Calendar &gt; Schedule Structure &gt; Structure ID</p> | <p>CustomSchool.value</p> <p>district.entityID</p> <p>School.entityID</p> <p>Calendar.daysPerWeek</p> <p>CustomCalendar.value</p> <p>ScheduleStructure.stru</p> |

| Data Element Label                                           | Business Requirement                                                                                                                                                                                                        |  | M, C or O | Data Source GUI Path                                                                                                                                                                      | Database Field                                 |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| <b>SchoolReference</b>                                       | A reference to the related School resource. Reports the fields that are part of the Natural Key for the Schools resource.                                                                                                   |  | M         |                                                                                                                                                                                           |                                                |
| <b>SchoolYear TypeReference</b>                              | A reference to the related School Year resource. Reports the End Year the calendar is associated.                                                                                                                           |  | M         |                                                                                                                                                                                           |                                                |
| calendarType Descriptor                                      | Indicates the type of Calendar. (Numeric Track Identifier. (Track 01, 02...)) Reports the Ed-Fi Code the Calendar Days Per Weeks mapped to in Calendar Resource Preferences.                                                |  | M         | System Administration > Calendar > Calendar > Calendar > Days Per Week                                                                                                                    | Calendar.daysPerWeek                           |
| calendarLocal Education AgencyReference                      | LEA Identity Column - the LEA reporting the calendar information. Reports the value, if it exists.<br>1. If it does not exist, then do not report.                                                                          |  | M         | System Administration > Resources > District Information > district record > Entity ID                                                                                                    | District.entityID                              |
| beginDate                                                    | Report the first day marked as Instructional tied to the calendar.                                                                                                                                                          |  | M         | System Administration > Calendar > Calendar > Days > date record > Instructional                                                                                                          |                                                |
| endDate                                                      | Report the last day marked as Instructional tied to the calendar.                                                                                                                                                           |  | M         | System Administration > Calendar > Calendar > Days > date record > Instructional                                                                                                          |                                                |
| totalInstructional Days                                      | Calculate the total number of days with the "Instructional" checkbox checked, and report that value.                                                                                                                        |  | M         | Student Information > calendar > Calendar > Day > Instructional                                                                                                                           |                                                |
| trackLocal Education AgencyReference localEducation AgencyId | Report the value <ul style="list-style-type: none"> <li>localEducationAgencyId</li> <li>link</li> </ul> Report the override value on the School editor if it's filled in; if not, report the number on the District editor. |  | M         | Override, if it exists: System Administration > Resources > School > school record > District Entity ID<br><br>System Administration > District Information > district record > Entity ID | Calendar.districtID<br>School.districtEntityID |

| Data Element Label | Business Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | M, C or O | Data Source GUI Path                                          | Database Field  |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------|-----------------|
| gradeLevels        | <p>Indicates the GradeLevel associated with the Calendar.</p> <ol style="list-style-type: none"> <li>1. Reports all unique Grade Levels for the Calendar/Schedule Structure that are mapped to an Ed-Fi Grade Level.               <ol style="list-style-type: none"> <li>a. Do not report if the Grade Level is in a Calendar marked as Exclude.</li> </ol> </li> <li>2. If a grade level is not mapped, do not report.</li> </ol> <p>Do not report if the Grade Level is in a Calendar marked as Exclude.</p> | O         | System Administration> Calendar> Calendar> Grade Grade Levels | gradelevel.name |

## Type/Descriptor

This table describes the Ed-Fi Value mapped and reported for Calendar Type Descriptor:

| Code Value       | Description      | Namespace                                                                                   | Short Description |
|------------------|------------------|---------------------------------------------------------------------------------------------|-------------------|
| Student Specific | Student Specific | <a href="uri://ed-fi.org/CalendarTypeDescriptor">uri://ed-fi.org/CalendarTypeDescriptor</a> | Student Specific  |
| IEP              | IEP              | <a href="uri://ed-fi.org/CalendarTypeDescriptor">uri://ed-fi.org/CalendarTypeDescriptor</a> | IEP               |