

# Sessions (Texas v4.0)

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This entity represents the prescribed span of time when an education institution is open, instruction is provided, and students are under the direction and guidance of teachers and/or education institution administration. A session may be interrupted by one or more vacations.

## Object Triggering Logic

Action	Trigger
Post	<p>When a new Term is created and saved that is Mapped to a Term Type and a resync of Sessions is completed.</p> <ul style="list-style-type: none"> <li>• If the same Term Type is selected on multiple Terms, group the Terms together so only 1 record will report per Term Type.</li> <li>• If there are multiple Calendars or Schedule structures in a School with the same Term Types, only 1 record can report to Ed-Fi. Report the earliest Term Start Date and latest Term End Date.</li> <li>• Do not send records if the Calendar Exclude check box is checked.</li> <li>• Do not send if the School is marked as Exclude.</li> </ul>
Post	<p>When a Term Descriptor Override is selected on a Course or Section and saved and the course is mapped to a Term Descriptor Override and a resync of Sessions is completed.</p> <ul style="list-style-type: none"> <li>• The Session will report the start and end dates based on the mapping of the course section.</li> <li>• If the same Term Type is selected in the Terms tab and the Term Type Override, a record will not send from the override field.</li> <li>• Do not send records if the Calendar Exclude check box is checked or Course is marked as Inactive or Exclude.</li> </ul>
Put	When the Grading Period data is changed or the Grading Period record is deleted.
Delete	If the Term is deleted or the mapping is removed, the Session record and all dependent data will be removed.

Start and End dates are not part of the natural Key so only 1 record per Term Type can be sent to Ed-Fi. Logic has been implemented to determine the priority of what start and end dates to use for a Term Type.

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

Action	Trigger
None	If a resource is toggled to 'OFF' after data has sent, all sent data remains in the ODS but no new data sends.
Delete	If a resource is toggled to 'OFF' after data has sent and an action is performed that would trigger a delete, that data remains in the ODS until a resync is done.
Resync	If a 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 record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it is deleted from the ODS.
Resync	If a mapping is changed in Resource Preferences, a resync needs to be done to reflect the changes.

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

Action	Trigger
Delete/Post	<p>Natural Key change:</p> <ul style="list-style-type: none"> <li>If the School ID changes, all data will remain under the old number and a resync will need to be completed to populate data under the new number. The delete tool would need to be used to remove all data from the old School ID.</li> </ul>
Delete/Post	If the Session Name is changed due to the Term Descriptor changing.
Delete/Post	<p>If the natural key changes all dependent resources will delete/post:</p> <ul style="list-style-type: none"> <li>Course Offerings, Sections, Staff Section Associations, Student Section Associations, Student Section Attendance Events, Grades</li> </ul>

## Scope Year Logic

Logic
<p>Reports Sessions for the scope year to which the calendar is aligned.</p> <ul style="list-style-type: none"> <li>Data will only send for the years that have valid configuration.</li> </ul>

## Resource Preferences

Data Element Label	Mapping Needed
Term Detail	Term Descriptors
Course / Section	Term Descriptor Overrides

## Identity Mapping Object Key

Where Posting From	campusObjectType	Object Key Data Source
Course override	Course	courseID
Section override	Course	courseID-sectionID
Term	Term	termID

If there are multiple terms, overridden courses, or overridden sections in a school with the same term descriptor, there will be an identity mapping record for each Campus record and they will have the same 'edFiIdentityID'.

## Event Queue Detail

Campus Table	Ed-Fi Action	Fields
Term	Post/Put/Delete	The primary table used for sending data for this resource.
Course	Post/Put/Delete	The primary table used for sending data for this resource.
Section	Post/Put/Delete	The primary table used for sending data for this resource.
sectionPlacement	Put	Start/End Date

## Error Log

Error	Possible Causes / How to Fix
<p>Error code return from Ed-Fi. 400: [message:Validation of 'Session' failed. BeginDate is required. BeginDate : '1/1/0001 12:00:00 AM' must be within SQL datetime range ('1/1/1753 12:00:00 AM' to '12/31/9999 11:59:59 PM') EndDate is required. EndDate : '1/1/0001 12:00:00 AM' must be within SQL datetime range ('1/1/1753 12:00:00 AM' to '12/31/9999 11:59:59 PM') ].</p>	<p>Term start or end dates are missing</p>

## Object Data Elements

This table describes data elements sent within the Sessions resource. Data Element Labels in **bold** are part of the Natural Key and are required data elements for Data to send to Ed-Fi.

▶ [Click here to expand...](#)

## Type/Descriptor

▶ [Click here to expand...](#)