

Sessions (Texas v4.0)

Last Modified on 12/14/2025 8:45 pm CST

Tool Search: Ed-Fi

[Object Triggering Logic](#) | [School Exclude, Calendar Exclude, Resource Toggle and Resync Logic](#) | [Natural Key Changes, Cascading Updates, and Deletes Logic](#) | [Scope Year Logic](#) | [Resource Preferences](#) | [Identity Mapping Object Key](#) | [Event Queue Detail](#) | [Error Log](#) | [Object Data Elements](#) | [Type/Descriptor](#)

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"> • If the same Term Type is selected on multiple Terms, group the Terms together so only 1 record will report per Term Type. • 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. • Do not send records if the Calendar Exclude check box is checked. • Do not send if the School is marked as Exclude.
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"> • The Session will report the start and end dates based on the mapping of the course section. • 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. • Do not send records if the Calendar Exclude check box is checked or Course is marked as Inactive or Exclude.
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	Natural Key change: <ul style="list-style-type: none"> 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.
Delete/Post	If the Session Name is changed due to the Term Descriptor changing.
Delete/Post	If the natural key changes all dependent resources will delete/post: <ul style="list-style-type: none"> Course Offerings, Sections, Staff Section Associations, Student Section Associations, Student Section Attendance Events, Grades

Scope Year Logic

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

Resource Preferences

Data Element Label	Mapping Needed
Term Detail	Term Descriptors

Data Element Label	Mapping Needed
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
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')].	Term start or end dates are missing

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...](#)

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
id	The unique identifier of the resource.		M	
SessionName	The identifier for the calendar for the academic session.	Reports the Term Descriptor of the Term(s) being reported.	M	System Administration > Ed-Fi > Configuration > Resources Preferences > Sessions > Ed-Fi Code edfimapping.edFiValue
schoolReference	A reference to the related School resource.	Reports the fields that are part of the Natural Key for the Schools resource.	M	System Administration > Resources > School > Ed-Fi School ID School.entityID
schoolYearType Reference	A reference to the related SchoolYearType resource.	Reports the end year from the calendar the term is reported. • Reports 'XXXX'	M	
academicWeeks	An unordered collection of sessionAcademicWeeks.	This is optional, does not report.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
beginDate	The Term start date.	<p>Reports the start date of the term being reported:</p> <ul style="list-style-type: none"> • If more than 1 term has the same Term Type selected, reports the earliest start date. • When Term Descriptor Override is populated, reports from the Term Descriptor Override. 	M	<p>System Administration > Calendar > Calendar > Terms > Start Date</p> <p>term.startDate</p>
endDate	The Term end date.	<p>Reports the end date of the term being reported:</p> <ul style="list-style-type: none"> • If more than 1 term has the same Term Type selected, use the latest end date. • When the Term Descriptor Override is populated, reports from the Term Descriptor Override. 	M	<p>System Administration > Calendar > Calendar > Terms > End Date</p> <p>term.endDate</p>
gradingPeriods	An unordered collection of sessionGradingPeriods.	This is optional, does not report.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
termDescriptor	This descriptor defines the term of a session during the school year (e.g., Fall Semester).	<ol style="list-style-type: none"> When reporting from Term Descriptors mapping, reports the Ed-Fi Code for the value selected <ul style="list-style-type: none"> When Ed-Fi Term Type is Null, or when no Ed-Fi code exists, does not report. When reporting from the Term Descriptor Overrides, reports the Ed-Fi code value selected. 	M	System Administration > Ed-Fi > Configuration > Resources Preferences > Sessions > Ed-Fi Code edfimapping.edFiValue

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
totalInstructionalDays	Total Days in Session.	<ol style="list-style-type: none"> When reporting from the Term Schedule, counts the total number of instructional days from the Days tab from the calendar and the schedule structure with which the term is associated. <ul style="list-style-type: none"> A day reset must be completed before the days will calculate. Use the resync after day reset is completed to have instructional days calculated and sent. If more than 1 term schedule has the same Term Type, count the distinct number of instructional days from all terms for that Term Type. When Term Descriptor Override is populated, report from 	M	Calculated

Data Element Label	Business Requirement	Business Rules the Term Descriptor Override.	M, C or O	Location

Type/Descriptor

► [Click here to expand...](#)

Term Descriptors

Code Value	Description	Namespace	Short Description
Fall Semester	Fall Semester	uri://ed-fi.org/TermDescriptor	Fall Semester
First Quarter	First Quarter	uri://ed-fi.org/TermDescriptor	First Quarter
First Trimester	First Trimester	uri://ed-fi.org/TermDescriptor	First Trimester
Fourth Quarter	Fourth Quarter	uri://ed-fi.org/TermDescriptor	Fourth Quarter
MiniTerm	MiniTerm	uri://ed-fi.org/TermDescriptor	MiniTerm
Other	Other	uri://ed-fi.org/TermDescriptor	Other
Quarter	Quarter	uri://ed-fi.org/TermDescriptor	Quarter
Second Quarter	Second Quarter	uri://ed-fi.org/TermDescriptor	Second Quarter
Second Trimester	Second Trimester	uri://ed-fi.org/TermDescriptor	Second Trimester
Semester	Semester	uri://ed-fi.org/TermDescriptor	Semester
Spring Semester	Spring Semester	uri://ed-fi.org/TermDescriptor	Spring Semester
Summer Semester	Summer Semester	uri://ed-fi.org/TermDescriptor	Summer Semester
Third Quarter	Third Quarter	uri://ed-fi.org/TermDescriptor	Third Quarter
Third Trimester	Third Trimester	uri://ed-fi.org/TermDescriptor	Third Trimester
Trimester	Trimester	uri://ed-fi.org/TermDescriptor	Trimester
Year Round	Year Round	uri://ed-fi.org/TermDescriptor	Year Round