

# Sessions (Missouri v3.6)

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Tool Search: Ed-Fi

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

This table describes logic for triggering syncing of this object.

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>• When the same Term Type is selected on multiple Terms, the Terms are grouped together so only one record reports per Term Type.</li> <li>• When there are multiple Calendars or Schedule structures in a School with the same Term Types, only one record reports to Ed-Fi. Reports the earliest Term Start Date and latest Term End Date.</li> <li>• Does not send records when the Calendar Exclude checkbox is marked.</li> <li>• Does not send when 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 reports the start and end dates based on the mapping of the course section.</li> <li>• When the same Term Type is selected in the Terms tool and the Term Type Override, a record does not send from the override field.</li> <li>• Does not send records when the Calendar Exclude checkbox is marked or Course is marked as Inactive or Exclude.</li> </ul>
Put	<p>When the Grading Period data is changed or the Grading Period record is deleted.</p>
Delete	<p>When the Term is deleted or the mapping is removed the Session record and all dependent data is removed.</p>

## 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	When a resource is toggled to off after data has sent, all sent data remains in the ODS but no new data sends.
Delete	When 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	When a record is in the Ed-Fi Identity Mapping table and not in the ODS, it is deleted from the Ed-Fi Identity Mapping table.
Resync	When 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	When 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

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

Action	Trigger
Delete/Post	Natural Key change: <ul style="list-style-type: none"> <li>When the School ID changes, all data remains under the old number and a resync needs to be completed to populate data under the new number. The delete tool needs to be used to remove all data from the old School ID.</li> </ul>
Delete/Post	When the Session Name changes.
Delete/Post	When the natural key changes all dependent resources delete/post. <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

This table describes scope year logic of this object.

### Logic

Reports Sessions for the scope year the to which the calendar is aligned.

Data only sends for the years that have valid configuration.

## Resource Preferences

This table describes the Resource Preferences of this object.

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

## Identity Mapping Object Key

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

**\*When 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 have the same edFidentityID.**

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

## Event Queue Detail

This table describes the Event Queue Detail of this object.

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

This table describes the Error logic of this object.

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 Label	Business Requirements and Rules	M, C or O	Data Source GUI Path Database Field
<b>id</b>	The unique identifier of the resource.	M	
<b>SessionName</b>	The identifier for the calendar for the academic session (e.g., 2010/11, 2011 Summer).  Reports the Term Descriptor of the Term(s) being reported.	M	Ed-Fi Resources Preferences > Sessions > Ed-Fi Code  edfiMapping.edFiValue
<b>schoolReference</b>	A reference to the related School resource.  Reports the fields that are part of the Natural Key for the School resource. The school ID is the Reporting School.	M	

Data Element Label	Business Requirements and Rules	M, C or O	Data Source GUI Path Database Field
<b>schoolYearTypeReference</b>	<p>A reference to the related SchoolYearType resource.</p> <p>Reports the fields that are part of the Natural Key for the School Year where the school year is the end year of the calendar being reported. Reports as XXXX.</p>	M	<p>Calendar &gt; School Years &gt; School Year Editor &gt; School Year Detail &gt; End Year</p>
<b>beginDate</b>	<p>Month, day, and year of the first day of the Session.</p> <p>Reports the start date of the term being reported. When more than one term has the same Term Type selected, reports the earliest start date.</p> <p>Note: When Term Descriptor Override is populated, reports from the Term Descriptor Override.</p>	M	<p>Calendar &gt; Terms &gt; Start Date</p> <p>term.startDate</p>
<b>endDate</b>	<p>The Term end date.</p> <p>Reports the end date of the term being reported. When more than one term has the same Term Type selected, the latest end date reports.</p> <p>Note: When Term Descriptor Override is populated, reports from the Term Descriptor Override.</p>	M	<p>Calendar &gt; Terms &gt; End Date</p> <p>term.endDate</p>

Data Element Label	Business Requirements and Rules	M, C or O	Data Source GUI Path Database Field
<b>termDescriptor</b>	<p>This descriptor defines the term of a session during the school year (e.g., Fall Semester).</p> <p>When reporting from Term Descriptors mapping, reports the Ed-Fi Code for the value selected. When Ed-Fi Term Type is Null or when no Ed-Fi code exists, does not report.</p> <p>When reporting from the Term Descriptor Overrides, reports the Ed-Fi code value selected.</p>	M	<p>Ed-Fi Resources Preferences &gt; Sessions &gt; Ed-Fi Code</p> <p>edfiMapping.edFiValue</p>
<b>totalInstructionalDays</b>	<p>The total number of instructional days in the school calendar.</p> <p>When reporting from Term Schedule, counts the total number of instructional days from the Days tab from the calendar and schedule structure the term is associated with.</p> <p>A day reset must be completed before the days calculates. Use the resync after day reset is completed to have instructional days calculated and sent.</p> <p>When more than one term schedule has the same Term Type, count the distinct number of instructional days from all terms for that Term Type.</p> <p>Note: When Term Descriptor Override is populated, reports from the Term Descriptor Override.</p>	M	Calculated

# Type/Descriptor

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