

# Sessions (Missouri v3.6)

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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

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	When the Grading Period data is changed or the Grading Period record is deleted.
Delete	When the Term is deleted or the mapping is removed the Session record and all dependent data is removed.

## 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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## Term Descriptors

Ed-Fi Code	Ed-Fi Short Description	Namespace	Ed-Fi Description
0	Full Year	uri://dese.mo.gov/TermDescriptor	Full Year
1	First Semester	uri://dese.mo.gov/TermDescriptor	First Semester
2	Second Semester	uri://dese.mo.gov/TermDescriptor	Second Semester
3	Third Semester	uri://dese.mo.gov/TermDescriptor	Third Semester
Q1	Quarter 1	uri://dese.mo.gov/TermDescriptor	Quarter 1
Q2	Quarter 2	uri://dese.mo.gov/TermDescriptor	Quarter 2
Q3	Quarter 3	uri://dese.mo.gov/TermDescriptor	Quarter 3
Q4	Quarter 4	uri://dese.mo.gov/TermDescriptor	Quarter 4
S1	Semester 1	uri://dese.mo.gov/TermDescriptor	Semester 1
S2	Semester 2	uri://dese.mo.gov/TermDescriptor	Semester 2
T1	Trimester 1	uri://dese.mo.gov/TermDescriptor	Trimester 1
T2	Trimester 2	uri://dese.mo.gov/TermDescriptor	Trimester 2
T3	Trimester 3	uri://dese.mo.gov/TermDescriptor	Trimester 3
YL	Year Long	uri://dese.mo.gov/TermDescriptor	Year Long