

# Sessions (Vermont 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, group the Terms 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 can report 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 records 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 the 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.

\*\* Start and End dates are not part of the natural Key so only one 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

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 is sent.
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	When the Natural Key changes: <ul style="list-style-type: none"> <li>When the School Number/Ed-Fi School Number changes, a delete/post occurs with the cascading deletes from the School ID Change triggers.</li> </ul>
Delete/Post	When the Session Name changes due to the Term Descriptor changing.
Delete/Post	When the natural key changes, all dependent resources are deleted/posted. <ul style="list-style-type: none"> <li>Course Offerings</li> <li>Sections</li> <li>Staff Section Associations</li> <li>Student Section Associations</li> <li>Student Section Attendance Events</li> <li>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.

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

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.

Campus Table	Ed-Fi Action	Fields
sectionPlacement	Put	Start/End Date

## Error Log

This table describes the Error logic of this object.

Error	Possible Causes/How to Fix
<p>Error code returns 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	Business Requirement and Rules	Mandatory, Conditional or Operational	Location
<b>id</b>	The unique identifier of the resource.	M	
<b>SessionName</b>	<p>The identifier for the calendar for the academic session.</p> <p>Reports the Term Descriptor of the Terms being reported.</p>	M	<p>Configuration &gt; Resources Preferences &gt; Sessions &gt; Ed-Fi Code</p> <p>edFiMapping.edFiValue</p>
<b>schoolReference</b>	<p>A reference to the related School resource.</p> <p>Reports the fields that are part of the Natural Key for the School resource.</p>	M	

Data Element	Business Requirement and Rules	Mandatory, Conditional or Operational	Location
<b>schoolYearType Reference</b>	<p>A reference to the related SchoolYearType resource.</p> <p>Reports the end year from the calendar the term is reported.</p> <p>Reports 'XXXX'</p>	M	
academicWeeks	<p>An unordered collection of sessionAcademicWeeks.</p> <p>This is optional, do not report</p>	O	
beginDate	<p>Reports the start date of the term being reported:</p> <ul style="list-style-type: none"> <li>• When more than one term has the same Term Type selected, reports the earliest start date.</li> <li>• When Term Descriptor Override is populated, reports from the Term Descriptor Override.</li> </ul>	M	<p>Term Setup &gt; Start Date</p> <p>Term.startDate</p>
endDate	<p>Reports the end date of the term being reported:</p> <ul style="list-style-type: none"> <li>• When more than one term has the same Term Type selected, use the latest end date.</li> <li>• When Term Descriptor Override is populated, reports from the Term Descriptor Override.</li> </ul>	M	<p>Term Setup &gt; End Date</p> <p>Term.endDate</p>

Data Element	Business Requirement and Rules	Mandatory, Conditional or Operational	Location
gradingPeriods	<p>An unordered collection of sessionGradingPeriods.</p> <p>Reference to the related Grading Period resource.</p> <p>Reports all Grading Periods that are mapped to the term schedules that are used to report the session and has a Grading Period End Date that overlaps the term being reported.</p> <ul style="list-style-type: none"> <li>Grading Period End Date must be on or after Session Start Date and on or before Session End Date.</li> <li>When Term Descriptor Override is populated, reports from the Term Descriptor Override.</li> </ul>	M	
termDescriptor	<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, report the Ed-Fi Code for the value selected.</p> <ul style="list-style-type: none"> <li>When Ed-Fi Term Type is Null, or when no Ed-Fi code exists, does not report.</li> <li>When reporting from the Term Descriptor Overrides, reports the Ed-Fi code value selected.</li> </ul>	M	<p>Configuration &gt; Resources Preferences &gt; Sessions &gt; Ed-Fi Code</p> <p>edFiMapping.edFiValue</p>

Data Element	Business Requirement and Rules	Mandatory, Conditional or Operational	Location
totalInstructionalDays	<p>Total Days in Session .</p> <p>When reporting from Term Schedule, count the total number of instructional days from the Days tool from the calendar and schedule structure the term is associated with.</p> <ul style="list-style-type: none"> <li>• A day reset must be completed before the days calculate. Use the resync after day reset is completed to have instructional days calculated and sent.</li> <li>• 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.</li> <li>• When Term Descriptor Override is populated, reports from the Term Descriptor Override.</li> </ul>	M	

## Type/Descriptor

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### 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

Code Value	Description	Namespace	Short Description
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