

# Student School Attendance Events (Texas v4.0)

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This event entity represents the recording of whether a student is in attendance on a daily basis at their school.

## Object Triggering Logic

Action	Trigger
Post	<p>Compare the student schedule against the Snapshot Time entered on calendar.</p> <ul style="list-style-type: none"> <li>Students who are marked absent in the period that contains the snapshot time are considered absent for the day. <ul style="list-style-type: none"> <li>Attendance mark must be mapped to an Ed-Fi Code.</li> </ul> </li> <li>Report attendance for each school for which the student has a Student School Association record.</li> <li>Attendance date must fall on or between enrollment start and end dates.</li> <li>Unknown attendance events do not send an event to Ed-Fi. The original post does not appear until an excuseID is entered in the attendance table.</li> <li>Do not send records if attendance records are associated with a Calendar when the Exclude checkbox is marked.</li> <li>Do not send records if attendance records are associated with a School when the Exclude checkbox is marked.</li> </ul>
Delete	Delete attendance record if attendance is removed for the marking period that occurs during the Snapshot Time.
Delete	When an enrollment is deleted.

## 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 will remain in the ODS but no new data will send.
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.

Action	Trigger
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 will be deleted from the ODS.
Resync	If a mapping is changed in Resource Preferences, a resync will need to be done to reflect the changes.

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

Action	Trigger
Post/Delete	<p>Natural Key Changes</p> <ul style="list-style-type: none"> <li>If the School Number/Ed-Fi School Number changes, a delete/post occurs with the cascading deletes from the School ID Change triggers. If an Ed-Fi ID changes, this will happen with the cascading deletes from the Ed-Fi ID Change trigger.</li> <li>The natural key changes for Student and Sessions will result in a delete/post of Student School Attendance Events</li> <li>If the Attendance Status, Excuse, or Date changes a delete/post occurs.</li> </ul> <p>Cascading Updates: N/A, there are no dependent resources</p>

## Scope Year Logic

Logic
<p>Attendance sends to the scope year for the school year the attendance dates are associated with based on the student's enrollment.</p> <ul style="list-style-type: none"> <li>Data only sends for the years that have valid configuration.</li> </ul>

## Resource Preferences

Data Element Label	Mapping Needed
Attendance Status and Excuse	Attendance Event Category Descriptors

## Event Queue Detail

Campus Table	Ed-Fi Action	Fields
attendance	Post/Put/Delete	The primary table used for sending data for this resource.

# Object Data Elements

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

<b>Data Element Label</b>	<b>Business Requirement</b>	<b>Business Rules</b>	<b>M, C or O</b>	<b>Location</b>
<b>id</b>	The unique identifier of the resource.		M	
<b>attendanceEventCategoryDescriptor</b>	Key for the Attendance Event Category Type.	Reports the mapped Ed-Fi Code.	M	
<b>eventDate</b>	Date for this attendance event.	The date for the attendance record being reported.	M	Student Information > General > Attendance > Date  attendance.date
<b>schoolReference</b>	A reference to the related School resource.	Reports the fields that are part of the Natural Key for the School resource.	M	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
<b>sessionReference</b>	A reference to the related Term	<ol style="list-style-type: none"> <li>1. Reports the fields that are part of the Natural Key for the Sessions resource.</li> <li>2. Only reports the Term Type from the Terms tab that is associated with the date and term schedule the attendance is being reported for.</li> </ol>	M	
<b>studentReference</b>	A reference to the related Student resource.	Reports the fields that are part of the Natural Key for the Student resource.	M	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
attendanceEventReason	The reported reason for a student's absence.	<p>Reports the first 40 characters from the Comments entered in the Attendance being reported for that day.</p> <ol style="list-style-type: none"> <li>1. If more than 40 characters exist, add .... to indicate additional text not shown.</li> <li>2. If there is more than 1 comment entered for that day and they have the same status / excuse code, report the comment from the last period that contains a comment.</li> <li>3. If there is more than 1 comment entered for that day and the records have different status/excuse codes, report the comment from each record.</li> <li>4. Does not report if blank.</li> </ol>	O	<p>Student Information &gt; General &gt; Attendance &gt; Comments</p> <p>attendance.comments</p>

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
educationalEnvironmentDescriptor	The setting in which a child receives education and related services.	This is optional, does not report.	O	
eventDuration	The amount of time for the event as recognized by the school: 1 day = 1, 1/2 day = 0.5, 1/3 day = 0.33.	This is optional, does not report.	O	
etag	A unique system-generated value that identifies the version of the resource.		O	

## Type/Descriptor

### Attendance Event Category Descriptor

Code Value	Description	Namespace	Short Description
Early departure	Early departure	uri://ed-fi.org/AttendanceEventCategoryDescriptor	Early departure
Excused Absence	Excused Absence	uri://ed-fi.org/AttendanceEventCategoryDescriptor	Excused Absence
In Attendance	In Attendance	uri://ed-fi.org/AttendanceEventCategoryDescriptor	In Attendance
Partial	Partial	uri://ed-fi.org/AttendanceEventCategoryDescriptor	Partial
Tardy	Tardy	uri://ed-fi.org/AttendanceEventCategoryDescriptor	Tardy

Unexcused Absence	Unexcused Absence	uri://ed- fi.org/AttendanceEventCategoryDescriptor	Unexcused Absence
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