

# Student Section Attendance Events (Nebraska v3.6)

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This event entity represents the recording of whether a student is in attendance for a class.

Set the State Code field in Attendance Excuse Detail editor for each attendance code being used in System Administration > Attendance > Attendance Codes. This field needs to be populated with a code in order to send to NDE.

## Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	<p>When a new attendance event is verified for a student and the Attendance State Code is mapped to an Ed-Fi code or when a student has a Positive Attendance record and Positive Attendance is mapped to an Ed-Fi code.</p> <ul style="list-style-type: none"><li>• The student must have a Student Section Association record to report.</li><li>• Unknown attendance events do not send an event to Ed-Fi. The original post does not trigger until an excuseID is entered in the attendance table.</li><li>• Does not send records when attendance records are associated with a Calendar when the Exclude checkbox is checked.</li><li>• A record sends for each distinct Date, Section and Attendance Event Category Descriptor.</li><li>• Does not send records when attendance records are associated with a School when the Exclude checkbox is checked.</li><li>• When the Secondary School field is populated, reports the student's information from this new school as an override to the current school.</li><li>• Does not send when the student is enrolled in a calendar marked as Summer School.</li><li>• Does not send records when there is a day event on the calendar that makes the day non-instructional. A day event is considered non-instructional when the event code is NOT 01, 04, or 06 and the Duration field is equal to 100.</li></ul>
Delete/Post	<p>When any part of the natural key is changed: Section Reference, Student Reference, Event Date, Attendance Event Category Descriptor.</p> <ul style="list-style-type: none"><li>• When an attendance status is changed, the first event must be deleted from Ed-Fi and a new record sent. The Attendance Event Category Descriptor is a primary key and does not allow updates in Ed-Fi.</li></ul>

Action	Trigger
Delete	When all the attendance records with the same Date & Descriptor are deleted.
Delete	When an enrollment is deleted.
Delete	When the student is removed from the course section.
Delete	When a day event is added to the Calendar that makes the day non instructional for the student. A day event is considered non-instructional if the event code is NOT 01, 04, or 06 and the Duration field is equal to 100.
Put	When the comments are updated.

## 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	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.
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

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

Action	Trigger
Post/Delete	If any part of the Natural Key Changes <ul style="list-style-type: none"> <li>If the Section natural key changes, a delete/post will occur with the cascading deletes from the Section Change triggers.</li> <li>If an Ed-Fi ID changes, this will happen with the cascading deletes from the Ed-Fi ID Change trigger.</li> <li>If the Attendance Status, Excuse or Date changes a delete/post will occur.</li> </ul>
Post/Delete	Cascading Updates: N/A, there are no dependent resources

# Scope Year Logic

This table describes scope year logic of this object.

Logic
<p>Attendance will send 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 will only send for the years that have valid configuration.</li> </ul>

# Resource Preferences

This table describes the Resource Preferences of this object.

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

# Event Queue Detail

This table describes the Event Queue Detail of this object.

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 Label	Business Requirement	M, C or O	Data Source GUI Path Database Field
id	The unique identifier of the resource.	M	

Data Element Label	Business Requirement	M, C or O	Data Source GUI Path Database Field
<b>attendanceEventCategoryDescriptor</b>	<p>Key for AttendanceEventCategoryType.</p> <p>Reports when a student has a verified attendance status/excuse combination that is mapped to an Ed-Fi code.</p> <p>Reports when a student is given a positive attendance record for the course section and it is mapped to an Ed-Fi Code.</p>	M	
<b>eventDate</b>	<p>Date for this attendance event.</p> <p>Enter the date for the attendance record being reported.</p>	M	attendance.date
<b>sectionReference</b>	<p>A reference to the related School resource.</p> <p>Reports the fields that are part of the Natural Key for the Section resource.</p>	M	
<b>studentReference</b>	<p>A reference to the related Student resource.</p> <p>Reports the fields that are part of the Natural Key for the Student resource.</p>	M	

Data Element Label	Business Requirement	M, C or O	Data Source GUI Path Database Field
attendanceEventReason	<p>The reported reason for a student's absence.</p> <p>Reports the first 40 characters from the Comments entered in the Attendance being reported for that day.</p> <ul style="list-style-type: none"> <li>• When more than 40 characters exist, an ellipsis (...) is added to indicate additional text not shown.</li> <li>• When there is more than one comment entered for that day and they have the same status/excuse code, reports the comment from the last period that contains a comment.</li> <li>• When blank, does not report.</li> </ul> <p>For negative attendance with multiple comments:</p> <ul style="list-style-type: none"> <li>• When there is more than one comment entered for that day and the records have different status/excuse codes, reports the comment from each record.</li> <li>• When there is more than one comment entered for that day and the records have the same status/excuse codes, reports the comment from the highest periodID.</li> </ul> <p>For positive attendance with multiple comments:</p> <ul style="list-style-type: none"> <li>• When there is more than one comment entered for that day, report the comment from the</li> </ul>	O	

Data Element Label	attendance record with <b>Business Requirement</b> the latest start time.	M, C or Ø	Data Source GUI Path Database
educationalEnvironmentDescriptor	Key for EducationalEnvironment.  Does not report, this is optional.	Ø	Field
etag	A unique system-generated value that identifies the version of the resource.  Does not report, this is optional.	O	

## Type/Descriptor

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### Attendance Event Category Descriptor

Code Value	Description
04	Tardy
05	Early Departure
06	Excused Absence: Disciplinary action, not receiving instruction
07	Excused Absence: Illness/Medical
08	Excused Absence: Noninstructional activity recognized by state, district, or School
09	Excused Absence: Transportation Not Available
10	Excused Absence: Other
11	Unexcused Absence: Student Skipping School
12	Unexcused Absence: Other or Unknown