

DE Ed-Fi Suite v3.6.2, Data Standard v4.0: Student School Attendance Events

June
2024

DE Ed-Fi Suite v3.6.2, Data Standard v4.0: Student School Attendance Events

Table of Contents

- [Summary](#)
- [Object Triggering Logic](#)
- [Required Resources \(Upstream\)](#)
- [Dependent Resources \(Downstream\)](#)
- [Error Log](#)
- [Object Data Elements Logic](#)
- [Appendix](#)

Summary

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

Object Triggering Logic

Action	Business Rule(s)
Post	<p>Reports a record when the student was assigned an Attendance Code that is mapped to a State Code.</p> <ul style="list-style-type: none"> • Do not report a record if the any of the following exclusions are present: <ul style="list-style-type: none"> ○ Enrollment State Exclude ○ Enrollment No Show ○ Enrollment Grade Exclude from State Reporting ○ Calendar Exclude ○ School Exclude • Reports attendance for each school the student has a Student School Association record for. • The Attendance date must fall on or between enrollment start and end dates to report. • A record will send for each distinct Date and Attendance State Code. • Local Attendance Codes must be mapped to a State Code in <i>Attendance Office > Attendance Code Setup</i> to be eligible for state reporting.

Delete /Post	A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.
Put	<ul style="list-style-type: none"> • When any of the following information on a student's Attendance changes: <ul style="list-style-type: none"> ○ Code ○ Present Minutes • When any of the following information on the Enrollment changes: <ul style="list-style-type: none"> ○ Start Date ○ End Date ○ State Exclude ○ No Show • Changes to the scheduled time of a period do not trigger. A manual resync will need to be performed if the scheduled period times are changes.
Delete	<ul style="list-style-type: none"> • When an enrollment is deleted. • When the attendance data is removed for the day.

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Schools (Pre-populated)
- Sessions
- Students

Dependent Resources (Downstream)

The following resources are dependent on this resource (must be sent after this resource):

- N/A

Error Log

The following are potential Tier 1 (Ed-Fi API generated) or custom (Campus generated) errors you may receive when posting, updating, or deleting this resource. Please keep in mind that the "Error Message" below may not match your exact error message.

Error Message	Possible Causes / How to Fix

Object Data Elements Logic

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	attendanceEventCategoryDescriptor (string)	<p>A code describing the attendance event, for example: Present Unexcused absence Excused absence Tardy.</p> <hr/> <p>Reports the Ed-Fi Code associated with the Attendance State Code that is reporting.</p> <ul style="list-style-type: none"> If a student receives both <i>SGE: State Excused Absence</i> and <i>SGU: State Unexcused Absence</i> codes in the same day, they will get two Student School Attendance Events records for that day. 	M	Attendance	Attendance.excuseID AttendanceExcuse.stateCode	✗
2	eventDate (date)	<p>Date for this attendance event.</p> <hr/> <p>Reports the Date being reported.</p>	M	Attendance	Attendance.date	✓

3	schoolReference (<i>reference</i>)	<p><i>A reference to the Schools resource associated with the Student School Attendance Events being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> • educationOrganizationId = Ed-Fi School ID 	M	School Information	School.entityID	✔
4	sessionReference (<i>reference</i>)	<p><i>A reference to the Sessions resource associated with the Student School Attendance Events being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Sessions resource.</p>	M	N/A	N/A	✔
5	studentReference (<i>reference</i>)	<p><i>A reference to the Students resource associated with the Student School Attendance Events being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Students resource.</p>	M	N/A	N/A	✔
6	eventDuration (<i>decimal</i>)	<p><i>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.</i></p> <hr/> <p>Reports the result of the calculation below, rounded to the hundreds decimal place:</p>	M	N/A	N/A	✘

		<ul style="list-style-type: none"> • Calculation <ul style="list-style-type: none"> ○ (Total Scheduled Minutes for State Code - Total Present Time Minutes for State Code) / Total Scheduled Minutes. <ul style="list-style-type: none"> ▪ Total Scheduled Minutes is defined as the total amount of time the student is scheduled for the day in Courses where the Attendance checkbox is checked. • Example: <ul style="list-style-type: none"> ○ Period 1: <ul style="list-style-type: none"> ▪ Scheduled Minutes: 90 ▪ Attendance State Code Assigned: SGU ▪ Present Minutes: 30 ○ Period 2: <ul style="list-style-type: none"> ▪ Scheduled Minutes: 60 ▪ Attendance State Code Assigned: SGE ▪ Present Minutes: 0 ○ Results in: <ul style="list-style-type: none"> ▪ One Student School Attendance Event record for SGU with an eventDuration of $(90 - 30) / 150 = 0.40$ ▪ One Student School Attendance Event record for SGE with an eventDuration of $(60 - 0) / 150 = 0.40$ 				
7	arrivalTime	This is optional, does not report.	O	N/A	N/A	N/A
8	attendanceEventReason	This is optional, does not report.	O	N/A	N/A	N/A

9	departureTime	This is optional, does not report.	<input type="radio"/>	N/A	N/A	N/A
10	educationalEnvironmentDescriptor	This is optional, does not report.	<input type="radio"/>	N/A	N/A	N/A
11	schoolAttendanceDuration	This is optional, does not report.	<input type="radio"/>	N/A	N/A	N/A
12	absentTime	This is optional, does not report.	<input type="radio"/>	N/A	N/A	N/A
13	scheduledTime	This is optional, does not report.	<input type="radio"/>	N/A	N/A	N/A

Appendix