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

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Summary

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

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Object Triggering Logic

Action	Business Rule(s)

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Post	Reports a record when the student was assigned an Attendance Code that is mapped to a State Code. • Do not report a record if the any of the following exclusions are present: ◦ Enrollment State Exclude ◦ Enrollment Grade Exclude from State Reporting ◦ Calendar Exclude ◦ School Exclude ◦ Course Attendance not checked ◦ Course State Exclude ◦ Course Active not checked ◦ Course State Code is Blank (NULL) • 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, Section, and Attendance State Code. • Local Attendance Codes **must** be mapped to a State Code in *Attendance Office > Attendance Code Setup* to be eligible for state reporting.

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Delete /Post
 	
Put
	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.
	
	• When any of the following information on a student's Attendance changes:
	
	  ○ Code
	• When any of the following information on the Enrollment changes:
	
	  ○ Start Date
	  ○ End Date
	  ○ State Exclude
	• When any of the following information on the Section changes:
	  ○ Section Placement (Class Periods / Terms the Section is offered in)
	• When any of the following information on the Course / Course Master changes:
	  ○ Attendance
	  ○ Active
	  ○ State Code
	  ○ State Exclude
	• 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	• When an enrollment is deleted. • When the attendance data is removed for the period(s).

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Class Periods
- Sections
- Students
- Student School Associations

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*)	*A code describing the attendance event, for example: Present Unexcused absence Excused absence Tardy.* Reports the Ed-Fi Code associated with the Attendance **State Code** that is reporting. • If a student receives both *SGE: State Excused Absence* and *SGU: State Unexcused Absence* codes in the same section, they will get two Student Section Attendance Events records for that section.	M	Attendance	Attendance. excuseID AttendanceExcuse. stateCode	❌
2	**eventDate** (*date*)	*Date for this attendance event.* Reports the **Date** being reported.	M	Attendance	Attendance.date	✅

3	**sectionReference** (*reference*)	*A reference to the Sections resource associated with the Student Section Attendance Events being reported.* Reports the fields that are part of the Natural Key for the Sections resource.	M	N/A	N/A	✅
4	**studentReference** (*reference*)	*A reference to the Students resource associated with the Student Section Attendance Events being reported.* Reports the fields that are part of the Natural Key for the Students resource.	M	N/A	N/A	✅
5	classPeriods (*array*)	*A reference to the Class Periods resource associated with the Student Section Attendance Events being reported.* Reports the fields that are part of the Natural Key for the Class Periods resource for all class periods the section is offered in on the day that is reporting (It will only report class periods that are part of the Period Schedule being used on that day).	C	N/A	N/A	❌
6	arrivalTime	This is optional, does not report.	O	N/A	N/A	N/A
7	attendanceEventReason	This is optional, does not report.	O	N/A	N/A	N/A
8	departureTime	This is optional, does not report.	O	N/A	N/A	N/A
9	educationalEnvironmentDescriptor	This is optional, does not report.	O	N/A	N/A	N/A

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| 10 | eventDuration | This is optional, does not report. | O | N/A | N/A | N/A |
| 11 | sectionAttendanceDuration | This is optional, does not report. | O | N/A | N/A | N/A |

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Appendix

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