

# TN Ed-Fi Suite 3 API v6.2 Data Standard v4.0: Student School Attendance Events

## TN Ed-Fi Suite 3 API v6.2 Data Standard v4.0: Student School Attendance Events

### Summary

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

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### Object Triggering

Action	Business Rule(s)
Post	When a student has an attendance event on a day marked for instruction <ul style="list-style-type: none"><li>• See Appendix for complete set of attendance rules</li><li>• Do not send records if the Calendar Exclude check box is checked in the calendar the student is enrolled</li><li>• Do not send records if the School Exclude check box is checked in the calendar the student is enrolled</li><li>• Do not send a record if the No Show check box is checked</li></ul>
Put	N/A
Delete/Post	When attendance is changed for a student on a given day
Delete	When attendance is changed or removed to no longer meet attendance reporting thresholds

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### Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Sessions
  - Students
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### Dependent Resources (Downstream)

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

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- N/A

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#### 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

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## Object Data Elements

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.
- The Uses Core Template Rules column indicates if the element uses Infinite Campus Core Ed-Fi rules, has been localized using DOE rules, or the element has been added by a DOE as an Extended element.

	<b>Data Element Label</b>	<b>Business Rule(s)</b>	<b>Mandatory/ Conditional/ Optional</b>	<b>Tool Path</b>	<b>Database Field</b>	<b>Uses Core Template Rules  (Y/N/EXT)</b>
1	<b>attendanceEventCategoryDescriptor</b> <i>(string)</i>	<p><i>A code describing the attendance event, for example: Present Unexcused absence Excused absence Tardy.</i></p> <hr/> <p>1. Reports attendance code.  a. See Appendix for complete set of attendance rules</p>	M	Calculated	Calculated	N
2	<b>eventDate</b> <i>(date)</i>	<p><i>Date for this attendance event.</i></p> <hr/> <p>1. Enter the date for the attendance record being reported  2. For SSD records, report the first day of instruction for the current school year  a. If multiple enrollments exist, report for each primary enrollment (where state dates are different)</p>	M	Attendance	attendance. date	Y

3	<b>schoolReference</b> (reference)	<i>A reference to the related School resource</i> <hr/> 1. Reports the fields that are part of the Natural Key for the School resource	M	N/A	N/A	Y
4	<b>sessionReference</b> (reference)	<i>A reference to the related Session resource</i> <hr/> 1. Reports the fields that are part of the Natural Key for the Sessions resource	M	N/A	N/A	Y
5	<b>studentReference</b> (reference)	<i>A reference to the related Student resource</i> <hr/> 1. Reports the fields that are part of the Natural Key for the Student resource	M	N/A	N/A	Y
6	attendanceEventReason	1. This is optional, does not report	O	N/A	N/A	Y
7	educationalEnvironmentDescriptor	1. This is optional, does not report	O	N/A	N/A	Y
8	eventDuration	1. This is optional, does not report	O	N/A	N/A	Y
9	arrivalTime	1. This is optional, does not report	O	N/A	N/A	Y
10	departureTime	1. This is optional, does not report	O	N/A	N/A	Y

11	schoolAttendanceDuration	<p>The duration in minutes of the Student Standard Day</p> <p>1. Report the number of minutes for the reported day for SSD records only</p>	C	Calendar	N/A	Y
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## Appendix

### Attendance Calculation

Attendance Type		Attendance Type Rules	Tool Path											
<table><tr><th>Code</th><th>Name</th></tr><tr><td>U</td><td>Unexcused Absence</td></tr><tr><td>A</td><td>Excused Absence</td></tr><tr><td>I</td><td>Homebound Absence</td></tr><tr><td>X</td><td>Unexcused Absence, but Present for Transportation</td></tr><tr><td>T</td><td>Excused Absence, but Present for Transportation</td></tr></table> <p>(Absent)</p>	Code	Name	U	Unexcused Absence	A	Excused Absence	I	Homebound Absence	X	Unexcused Absence, but Present for Transportation	T	Excused Absence, but Present for Transportation	<ul style="list-style-type: none"><li>More than 50% of student's scheduled day marked as absent<ul style="list-style-type: none"><li>The attendance State Code mapped to an Ed-Fi Code associated with most absence time will report</li></ul></li><li>State Code is associated with an attendance code that has:<ul style="list-style-type: none"><li>Status = Absent</li><li>Excuse = Excused or Unexcused</li></ul></li></ul>	Attendance
Code	Name													
U	Unexcused Absence													
A	Excused Absence													
I	Homebound Absence													
X	Unexcused Absence, but Present for Transportation													
T	Excused Absence, but Present for Transportation													

<table><tr><th>Code</th><th>Name</th></tr><tr><td>N</td><td>Distance Learning – Present (ONLY virtual classrooms, not virtual schools)</td></tr></table> <p>(Present)</p>	Code	Name	N	Distance Learning – Present (ONLY virtual classrooms, not virtual schools)	<ul style="list-style-type: none"><li>• Student has not been marked absent &gt; 50% of their scheduled day</li><li>• Student is scheduled into a Blended Learning group with Quarantine = deselected</li></ul>	Attendance  Blended Learning
Code	Name					
N	Distance Learning – Present (ONLY virtual classrooms, not virtual schools)					
<table><tr><th>Code</th><th>Name</th></tr><tr><td>H</td><td>Homebound - Present</td></tr></table> <p>(Present)</p>	Code	Name	H	Homebound - Present	<ul style="list-style-type: none"><li>• Student has not been marked absent &gt; 50% of their scheduled day</li><li>• Assigned to a Homebound program (Student Information &gt; State Programs &gt; Homebound) active on the attendance day</li></ul>	Attendance  Homebound
Code	Name					
H	Homebound - Present					
<table><tr><th>Code</th><th>Name</th></tr><tr><td>SSD</td><td>Student Standard Day</td></tr></table>	Code	Name	SSD	Student Standard Day	<ul style="list-style-type: none"><li>• Report a record for each student for first day of enrollment that is on an instructional day for the config year<ul style="list-style-type: none"><li>◦ Report for Primary enrollments only</li><li>◦ Exclude the following students from the reporting population:<ul style="list-style-type: none"><li>▪ **Students who have an Enrollment marked as service type of N: Special Ed Services (Enrollment &gt; Service Type)</li><li>▪ **Students marked as Enrollment &gt; No Show</li><li>▪ **Students marked as Enrollment &gt; State reporting &gt; State Exclude</li><li>▪ Student who have an Enrollment marked as service type of S: Partial</li><li>▪ Students who have active enrollments tied to calendars that are marked as excluded (system administration &gt; calendar &gt; calendar &gt; exclude)</li><li>▪ Students who have active enrollments tied to a calendar grade level that is marked as excluded from state reporting (system administration &gt; calendar &gt; calendar &gt; grade levels &gt; exclude from state reporting)</li></ul></li></ul></li></ul>	Days
Code	Name					
SSD	Student Standard Day					
Code	Name					
H	Homebound - Present					

	<ul style="list-style-type: none"><li>• Course must have a State Code for period to be considered</li><li>• Course is not marked as State Exclude</li></ul>	Course
	<ul style="list-style-type: none"><li>• Period time will be aggregated to determine total absence minutes versus scheduled minutes</li><li>• Period is instructional</li></ul>	Periods
	<ul style="list-style-type: none"><li>• Day is marked for instruction</li></ul>	Days

#### Data Validation Report (Ed-Fi Student School Attendance Events Validations)

This report will return the following validations (Reporting > Data Validation > Data Validation Report):

- Student SSD duration must be non-zero