

# **MI Ed-Fi Suite 3 v6.2: Student Section Attendance Events**

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# MI Ed-Fi Suite 3 v6.2: Student Section Attendance Events

## Summary

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

## Object Triggering

Action	Business Rule(s)
Post	<p>When a new attendance event is verified for a student on the course section and the Attendance Status + Attendance Excuse combination 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 will not send an event to ed-fi. The original post will not trigger 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 check box is checked</li> <li>• A record will send for each distinct Date, Section and Attendance Event Category Descriptor</li> <li>• Do not send records if attendance records are associated with a School when the Exclude check box is checked</li> <li>• Course must have a SCED Course Identifier = NOT NULL to send section attendance events.</li> <li>• Do NOT send if Course is marked as Inactive or State Exclude</li> <li>• Do not send a record if enrollment is marked as No Show <b>or State Exclude</b></li> </ul>
Put	When comments are updated
Delete /Post	If any part of the natural key is changed: Section Reference, Student Reference, Event Date, Attendance Event Category Descriptor
Delete	<p>Delete if all the attendance records with the same Date &amp; Descriptor are deleted</p> <p>When an enrollment is deleted or the No Show <b>or State Exclude</b> check boxes are checked</p> <p>If the student is removed from the course section</p>

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Sections
- 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

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>  (string)	<i>Key for AttendanceEventCategoryType</i>  1. Reports when a student has a verified attendance status/excuse combination that is mapped to an Ed-Fi code 2. Reports when a student is given a positive attendance record for the course section and it is mapped to an Ed-Fi Code	M	Attendance	N/A	Y
2	<b>eventDate</b>  (date)	<i>Date for this attendance event</i>  1. Enter the date for the attendance record being reported	M	Attendance	attendance. date	Y

3	<b>sectionReference</b>  <i>(reference)</i>	<i>A reference to the related Section resource</i> <hr/> 1. Reports the fields that are part of the Natural Key for the Section resource	M	N/A	N/A	Y
4	<b>studentReference</b>  <i>(reference)</i>	<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

5	attendanceEventReason	<p><i>The reported reason for a student's absence</i></p> <hr/> <ol style="list-style-type: none"> <li>1. Report the first 40 characters from the Comments entered in the Attendance being reported for that day             <ol style="list-style-type: none"> <li>a. If more than 40 characters exist, add .... to indicate additional text not shown</li> <li>b. 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>c. If blank, do not report</li> </ol> </li> <li>2. For negative attendance with multiple comments:             <ol style="list-style-type: none"> <li>a. 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>b. If there is more than 1 comment entered for that day and the records have the same status/excuse codes, report the comment from the highest periodID</li> </ol> </li> <li>3. For positive attendance with multiple comments:             <ol style="list-style-type: none"> <li>a. If there is more than 1 comment entered for that day, report the comment from the attendance record with the latest start time.</li> </ol> </li> </ol>	O	Attendance	attendance.comments	Y
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6	eventDuration	<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>1. (Class Period - present mins) / Class Period  a. If section is scheduled into multiple periods all periods are summed to determine percent  i. If event = Excused Absence or Unexcused Absence, subtract present minutes.</p>	O	Attendance		N
7	classPeriods / classPeriodReference	<p><i>An unordered collection of studentSectionAttendanceEventClassPeriods. The class period(s) to which the section attendance event applies.</i></p> <hr/> <p>1. Reports reference to associated class period (s)</p>	O	N/A	N/A	N
8	educationalEnvironmentDescriptor	<p>1. This is optional, does not report</p>	O	N/A	N/A	Y