

# NM Ed-Fi Suite v3.5.4, Data Standard v3.3.1-b: Student School Attendance Events

December  
2025

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## Summary

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

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## Object Triggering Logic

Action	Business Rule(s)
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Post	<p>Reports a record when an attendance event is given to a student <b>AND</b> the attendance status + attendance excuse is mapped to an Ed-Fi Code.</p> <p><b>OR</b></p> <p>Reports a record when the student is in a Blended Learning Group (BLG) and the BLG has an event on the calendar for the reported date.</p> <ul style="list-style-type: none"><li>• Reports attendance for each school the student has a Student School Association record for.</li><li>• The Attendance date must fall on or between enrollment start and end dates to report.</li><li>• A record will send for each distinct Date and Attendance State Code.</li><li>• Schools are recommended to define their Calendar's Full Day Absent (minutes) and Half Day Absent (minutes) fields to specify what thresholds are used for the purposes of Attendance calculations.<ul style="list-style-type: none"><li>◦ If the fields are NULL, we will default their values to match the maximum thresholds defined by N.M. Admin. Code § 6.10.5.8:<ul style="list-style-type: none"><li>▪ Full Day Absent (minutes) = 450 (7.5 hours)</li><li>▪ Half Day Absent (minutes) = 210 (3.5 hours)</li></ul></li></ul></li><li>• Do not report a record if the any of the following exclusions are present:<ul style="list-style-type: none"><li>◦ Enrollment State Exclude</li><li>◦ Enrollment No Show</li><li>◦ Enrollment Grade Exclude from State Reporting</li><li>◦ Enrollment State End Status of <i>D1</i>, <i>D2</i>, or <i>D3</i></li><li>◦ Calendar Exclude</li><li>◦ Calendar Summer School</li><li>◦ School Exclude</li></ul></li></ul>
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Delete /Post  Put	<p>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.</p> <ul style="list-style-type: none"><li>• When any of the following information on a student's Attendance changes:<ul style="list-style-type: none"><li>◦ Code</li><li>◦ Present Minutes</li></ul></li><li>• When any of the following information on the Enrollment changes:<ul style="list-style-type: none"><li>◦ Start Date</li><li>◦ End Date</li><li>◦ State Exclude</li><li>◦ No Show</li></ul></li><li>• Changes to the scheduled time of a period <b>do not trigger</b>. A manual resync will need to be performed if the scheduled period times are changes.</li></ul>
Delete	<ul style="list-style-type: none"><li>• When an enrollment is deleted.</li><li>• When the attendance data is removed for the day.</li></ul>

### 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

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## 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	<b>attendanceEventCategoryDescriptor</b> (string)	<p>A code describing the attendance event, for example: Present Unexcused absence Excused absence Tardy.</p> <hr/> <p><b>Blended Learning Group:</b></p> <p>Report <b>RMTEATTD</b> (Attended Remote Learning) if the student is part of a Blended Learning Group (BLG) and the BLG has a day event on the calendar for the Date reporting.</p> <ul style="list-style-type: none"> <li>This will only report assuming the student does <b>NOT</b> have any reportable "Excused Absence" or "Unexcused Absence" records for the day.</li> </ul> <p><b>Day of Cultural Observance (or Religious):</b></p>	M	Attendance	Attendance .status  Attendance .excuse  Attendance .excuseID .stateCode	✗

- Attendance code used **MUST** have an Attendance State Code of *DCO: Day of Cultural Observance* **AND** have an Attendance Status - Attendance Excuse that is mapped to either *Excused Absence* or *Unexcused Absence* in Resource Preferences.
- **Attendance Calculation:**
  - Scheduled Minutes - Present Minutes = Total Absent Minutes
    - Where Scheduled Minutes is defined as the total amount of scheduled time for periods marked as Attendance.
    - Where Present Minutes is defined as the total amount of scheduled time for periods marked as Attendance that do **NOT** have an Attendance Code attributed to them **OR** any value entered in the Present Minutes field.

- Report based on the result of the Attendance Calculation above and the following decision tree below:
  - Attendance Status - Attendance Excuse for the Attendance Code used is mapped to **Excused Absence**:
    - Report **EFD**CO (Excused Full Day Absence Religious or Cultural Observance) if the Attendance Calculation  $\geq$  Calendar Full Day Absence (minutes).
    - Report **EHD**CO (Excused Half Day Absence Religious or Cultural Observance) if the Attendance Calculation  $\geq$  Calendar Half Day Absence (minutes) but less than the Calendar Full Day Absence (minutes).
    - **Do not report** if the Attendance Calculation Result is less than the Calendar Half Day Absence (minutes).
  - Attendance Status - Attendance Excuse for the Attendance Code used is mapped to **Unexcused Absence**:
    - Report **UNF**DCO (Unexcused Full Day Absence Religious or Cultural Observance) if the Attendance Calculation  $\geq$  Calendar Full Day Absence (minutes).
    - Report **UNH**DCO (Unexcused Half Day Absence Religious or Cultural Observance) if the Attendance Calculation  $\geq$  Calendar Half Day Absence (minutes) but less than the Calendar Full Day Absence (minutes).
    - **Do not report** if the Attendance Calculation Result is less than the Calendar Half Day Absence (minutes).



**Normal Logic:**

- **Attendance Calculation:**
  - Scheduled Minutes - Present Minutes = Total Absent Minutes
    - Where Scheduled Minutes is defined as the total amount of scheduled time for periods marked as Attendance.
    - Where Present Minutes is defined as the total amount of scheduled time for periods marked as Attendance that do **NOT** have an Attendance Code attributed to them **OR** any value entered in the Present Minutes field.
- Report the Ed-Fi Code mapped to the Attendance Status - Attendance Excuse combination based on the result of the attendance calculation:
  - Report **FULL DAY** codes when Attendance Calculation  $\geq$  Calendar **Full Day Absence (minutes)**.
    - Excused Absence
    - Unexcused Absence
  - Report **HALF DAY** codes when Attendance Calculation  $\geq$  Calendar **Half Day Absence (minutes)** but less than the Calendar Full Day Absence (minutes).
    - Excused Half Day Absence
    - Unexcused Half Day Absence
  - **Do not report** if the Attendance Calculation is less than the Calendar Half Day Absence (minutes).

**Additional Notes:**

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|  | <ul style="list-style-type: none"> <li>• When multiple types of records are eligible to report for the same session / school / student / date combination, we must choose a single type to report. The following priority list is used in these scenarios to determine which record to report:             <ul style="list-style-type: none"> <li>◦ RMTEATTD (Attended Remote Learning)</li> <li>◦ EFDCO (Excused Full Day Absence Religious or Cultural Observance)</li> <li>◦ EHDCO (Excused Half Day Absence Religious or Cultural Observance)</li> <li>◦ UNFDCO (Unexcused Full Day Absence Religious or Cultural Observance)</li> <li>◦ UNHDCO (Unexcused Half Day Absence Religious or Cultural Observance)</li> <li>◦ Excused Absence</li> <li>◦ Excused Half Day Absence</li> <li>◦ Unexcused Absence</li> <li>◦ Unexcused Half Day Absence</li> <li>◦ K12PATTD (Attended K12P)</li> <li>◦ K12PABS (Absent K12P)</li> </ul> </li> <li>• The "Excused Absence Half Day" and "Unexcused Absence Half Day" codes are excluded from the Ed-Fi Code mapping list in Resource Preferences as they are automatically calculated based on the logic shown above in "Normal Logic."</li> <li>• When determining to send a "Full Day" or "Half Day" record, <b>all</b> absent minutes are considered. To determine if it's "Unexcused" or "Excused" we will then use the one that has the <b>most</b> time attributed to it. If tied, we use the tiebreaker list above.</li> </ul> |  |  |  |  |
|--|--|--|--|--|--|

2	<b>eventDate</b> (date)	<p><i>Date for this attendance event.</i></p> <hr/> <p>Reports the <b>Date</b> being reported.</p>	M	Attendance	Attendance .date	✓
3	<b>schoolReference</b> (reference)	<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"> <li>• educationOrganizationId = <b>Ed-Fi School ID</b></li> </ul>	M	School Information	School . entityID	✓
4	<b>sessionReference</b> (reference)	<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	<b>studentReference</b> (reference)	<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	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

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

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## Appendix