

# Student School Attendance Events (Indiana v3.6)

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For information on Virtual Attendance, please review the [Indiana Ed-Fi - Virtual Attendance](#) article.

## Object Triggering Logic

Action	Trigger
POST	<p>Reports a record when the student has attendance events entered <b>OR</b> when the student has no attendance events but it is a day marked as Attendance.</p> <ul style="list-style-type: none"> <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>Calendar Exclude</li> <li>School Exclude</li> </ul> </li> <li>The attendance date being reported must fall on or between the enrollment start and end dates.</li> <li>The attendance date being reported must be marked as Attendance on Calendar Setup &gt; Day Setup &gt; Day Detail.</li> <li>A maximum of two records will be sent for any given student/day combination. The sum of the eventDurations on these records must equal 1.</li> <li>Local attendance codes are mapped to State Codes through Attendance Office &gt; Settings &gt; Attendance Code Setup &gt; Attendance Excuse Detail &gt; State Code. These State Codes are then mapped to Ed-Fi Codes in Resource Preferences. The Local attendance code must be mapped to a State Code for it to report properly.</li> </ul>

Action	Trigger
DELETE / POST PUT	<p>A DELETE / POST is performed if the data element being altered is part of the resource's natural key. A PUT is performed otherwise.</p> <ul style="list-style-type: none"> <li>When the following negative attendance information is changed: <ul style="list-style-type: none"> <li>Attendance Code</li> <li>Present Minutes</li> <li>Comments</li> </ul> </li> <li>When the following enrollment information is changed: <ul style="list-style-type: none"> <li>Start Date</li> <li>End Date</li> <li>State Exclude</li> <li>No Show</li> <li>Service Type</li> </ul> </li> </ul>
DELETE	<ul style="list-style-type: none"> <li>When all reportable enrollments are deleted.</li> <li>When information is changed that makes the student have no reportable attendance information for the day.</li> </ul>

## Error Log

Error	Possible Causes / How to Fix
Error code returned from Ed-Fi. 404: Failed to delete studentSchoolAttendanceEvents resource. [message:Resource to delete was not found.]	This error can be ignored. Infinite Campus sends deletes ahead of a POST to ensure there are no orphaned records clogging up the states database. If there are no records to delete, this "error" will appear.
An error occurred calculating Attendance.	This was resolved in Campus Rx Pack 2136.7 – Check your version and request an update if you do not have 2136.7
Error code return from Ed-Fi. 403: [message:Authorization denied. The claim does not have any established relationships with the requested resource.]	Upstream resources were not able to post this student record. Typically, this happens on a resource in the student section. If the student does not have a student record, Student School Associations record, anything downstream of those (Student Ed Org, Student Attendance, Student Program) will fail with this error. It means the record has no student data with which to match.

Error code return from Ed-Fi. 403:  
[message:Access to the resource item could not be authorized because the 'StudentUSI' of the resource is empty.].

Error code return from Ed-Fi. 400:  
[message:Validation of 'StudentPost' failed. Student with unique id N00019315 was not matched successfully in the Identity system. Please verify through the identities API before resubmitting this student. ].

These errors usually does not mean the STN was not present in the JSON that Campus sent to the state. Rather, this means that the STN that was provided does not match anything in the STN App Center or is missing a digit or two on data entry. The best course of action here is to check the STN of the student against the App Center. If it is accurate, contact IDOE Support.

## Object Data Elements

Any data elements not listed here are not sent with the Ed-Fi record in Indiana. Data elements in **bold** are part of the natural key.

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## Prism Call

Due to present attendance, our traditional solution of triggers **does not work** for the Student School Attendance Events resource in Indiana as we cannot trigger on an object that doesn't exist ("In Attendance" records). To replace triggers, we have implemented a nightly Prism call that resyncs this resource overnight for the previous day's records. If records are changed on Attendance for a past date **a manual resync will need to be performed** . See the [Indiana Ed-Fi Scheduled Tasks](#) article for more information.

## Descriptor

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