

# Core SIF - StudentDailyAttendance

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Tool Search: SIF

The current version of SIF is v2.7.

This object provides daily attendance information for a particular student in a particular school on a particular date.

SIF\_Events are reported for this object.

## Batch Conditions:

Existing SIF\_Condition elements to support:

1. @StudentPersonalRefId
2. @SchoolInfoRefId
3. @Date
4. @SchoolYear

## Object Triggering

Event Type	Requirement
Add	<p>When a new (Excuse NOT = X) attendance event is verified for a student and saved for a student with an enrollment.</p> <ul style="list-style-type: none"> <li>• When a student has both attendance and positive attendance.           <ul style="list-style-type: none"> <li>*An Add is not sent when the only attendance occurrence that exists is a positive attendance (Unit attendance) event. Attendance event must exist on attendance table for given day to send Add.</li> </ul> </li> <li>• When a student's enrollment exists which didn't previously existed.</li> <li>• Report attendance for each school the student has a Student School Enrollment record for.</li> <li>• Attendance date must fall on or between enrollment start and end dates.</li> <li>• A record will send for each distinct Date and Attendance Event.</li> <li>• Do not send records if the student's enrollment is marked as a No Show or State Exclude.</li> </ul>
Add/Change/Delete	If Attendance Event Excuse is changed.
Change	<p>If Attendance Comments on the Attendance table change.</p> <ul style="list-style-type: none"> <li>• When a (Excuse = X) attendance event is changed to a (Excuse NOT = X) attendance event.</li> </ul>
Add/Change	If Positive Attendance Time In or Time Out Changes or Positive Attendance Time is removed.
Delete	<p>Delete attendance record if all attendance is removed for the day.</p> <p>Note: When a student's enrollment is deleted, no delete events are sent.</p>

## Object Population and Business Rules

**Requirement**

1. Half Day absent (0.5):
  1. The sum of all absent minutes the student is assigned in their periods, where the attendance code has Status = A and Excuse NOT = X, minus any Present Minutes must be  $\geq$  ((Half Day Absent Minutes)), and  $<$  ((Whole Day Absent Minutes)).
    1. If the student qualifies to report half day (0.5) absent:
      1. StudentDailyAttendance/AttendanceCodeInfoRefId must match the RefId for the Absent/Unknown AttendanceCodeInfo object with AbsenceValue = 0.5 in the calendar.
      2. When the calendar does not have an Absent attendance code with Excuse = Unknown, report the RefId for the attendance code in the calendar with Status = Absent and Excuse=Unexcused that has AbsenceValue = 0.5.
      3. When neither an Absent/Unknown nor Absent/Unexcused attendance code exists in the calendar, do not report the absence.
2. Whole Day absent (1.0):
  1. The sum of all absent minutes the student is assigned in their periods, where the attendance code has Status = A and Excuse NOT = X, minus any Present Minutes must be  $\geq$  ((Whole Day Absent Minutes)).
    1. If the student qualifies to report full day (1.0) absent:
      1. StudentDailyAttendance/AttendanceCodeInfoRefId must match the RefId for the Absent/Unknown AttendanceCodeInfo object with AbsenceValue = 1.0 in the calendar.
      2. When the calendar does not have an Absent attendance code with Excuse = Unknown, report the RefId for the attendance code in the calendar with Status = Absent and Excuse=Unexcused that has AbsenceValue = 1.0.
      3. When neither an Absent/Unknown nor Absent/Unexcused attendance code exists in the calendar, do not report the absence.
3. Definitions:
  1. Half Day Absent Minutes:
    1. (System Admin>Calendar>Calendar>Grade Levels>Grade Level Detail>Half Day Absence (minutes)) for the grade the student is enrolled on this day.
      1. When Null, (System Admin>Calendar>Calendar>Half Day Absence (minutes))
        1. When Null, use 120.
    2. Whole Day Absent Minutes:
      1. (System Admin>Calendar>Calendar>Grade Levels>Grade Level Detail>Whole Day Absence (minutes)) for the grade the student is enrolled on this day.
        1. When Null, (System Admin>Calendar>Calendar>Whole Day Absence (minutes))
          1. When Null, use 240.

When the student is NOT either half or full day absent, a StudentDailyAttendance object must not be reported for this student and day.

Student does not have "State Exclude" = Checked on the enrollment unless the Zone Options allows these students to report.

Student does not have "No Show" = Checked on the enrollment unless the Zone Options allows these students to report.

Student is not exclusively enrolled in a non-Primary enrollment on this day unless "Exclude All Secondary Enrollments" = NOT Checked.  
Send records for only Primary enrolled students when "Exclude All Secondary Enrollments" = Checked.

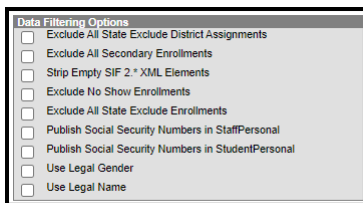
The associated calendar does not have "Exclude from SIF Exchange" = Checked.

"Exclude from SIF reporting" on the enrollment State Grade Level is not checked.

The Attendance Code being referenced (AttendanceCodeInfoRefId) must be in the Attendance Code Allowed List:

1. System Admin>Data Interchange>Zones>SIF Zone Options>Attendance Code Allowed List
2. We will report all attendance codes when no attendance code is entered in the allowed list on the Zone Options tab.

Follow [SIF Zone Options](#) Rules for Zones:



Do Not Report when the Calendar > 'Exclude from SIF Exchange' is selected.

A Natural RefId is not created for this object, it is created by a compilation of IDs. Users can use other IDs within the object to run batch.

## Object Data Elements

Data Element Label	Description	Business Rules	Data Source GUI Path	Data File
@RefId	A GUID that identifies an instance of this object. This RefId is new for 2.7M and MUST be supported like other objects that have a RefId (i.e. it is the key for the object). The alternate keys MUST continue to be supported.			
@StudentPersonalRefId	The ID (GUID) of the student for whom this attendance information is being reported.	The RefId for the student.		attd
@SchoolInfoRefId	The ID (GUID) of the school for which this attendance information is being reported.	The RefId for the school.		cal
@Date	The calendar date to which this attendance information relates.	The attendance date.	Attendance > Date	attd
@SchoolYear	School year for which this enrollment is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006-07 school year).	The school year.		Enr

Data Element Label	Description	Business Rules	Data Source GUI Path	Data File
AttendanceCodeInfoRefId	The ID (GUID) of the locally-defined daily attendance code information.	<ol style="list-style-type: none"> <li>Report the RefId based on the most common absent (Status = A and Excuse NOT = X) attendance code assigned across all of the student's periods in the day.               <ol style="list-style-type: none"> <li>When &gt; 1 attendance code is considered most common (assigned during the same number of periods in the day), use the attendance code with the most absent minutes.                   <ol style="list-style-type: none"> <li>Otherwise, use the last-entered absent attendance code.</li> </ol> </li> <li>When the student is considered ((Half Day Absent)), report the AttendanceCodeInfo version with an AbsenceValue = 0.5.</li> <li>When the student is considered ((Whole Day Absent)), report the AttendanceCodeInfo version with an AbsenceValue = 1.0.</li> </ol> </li> </ol> <p>The AttendanceCodeInfo RefId in the StudentDailyAttendance object provided for the student and day will always reference an existing, valid AttendanceCodeInfo.</p>		attc attc
Timeln	The time the student entered or returned to school.	<ol style="list-style-type: none"> <li>Attendance exists on a day               <ol style="list-style-type: none"> <li>Report the start time of the student's first attended non-absent and non-Early Release instructional period in the day, where:                   <ol style="list-style-type: none"> <li>Status NOT = Absent <b>or</b> Early Release</li> </ol> </li> <li>Do not report this element when:                   <ol style="list-style-type: none"> <li>Student does not have any periods in the day in which:                       <ol style="list-style-type: none"> <li>Status isn't = Absent <b>or</b> Early Release</li> </ol> </li> <li>Format example: 08:52:00                       <ol style="list-style-type: none"> <li>Do not change the time format.</li> </ol> </li> </ol> </li> </ol> </li> <li>Attendance AND Positive Attendance exist on a given day               <ol style="list-style-type: none"> <li>Follow Attendance exists logic above                   <ol style="list-style-type: none"> <li>Utilize the positive attendance Timeln instead of the associated period startTime in the calculation for earliest time                       <ol style="list-style-type: none"> <li>Format example: 08:52:00                           <ol style="list-style-type: none"> <li>Do not change the time format.</li> </ol> </li> </ol> </li> <li>Positive attendance will be ignored if the time overlaps a period with an entered absence on the attendance table.</li> </ol> </li> </ol> </li> </ol>	System Administration> Calendar> Calendar> Periods Student Information > General > Attendance > Positive Attendance > positive attendance record	per Attc attc

Data Element Label	Description	Business Rules	Data Source GUI Path	Data File
TimeOut	The time the student left school.	<ol style="list-style-type: none"> <li>Report the end time of the student's latest attended non-absent, non-early release instructional period in the day, where:               <ol style="list-style-type: none"> <li>Status NOT = Absent <b>or</b> Early Release</li> </ol> </li> <li>Do not report this element when:               <ol style="list-style-type: none"> <li>Student does not have any periods in the day in which:                   <ol style="list-style-type: none"> <li>Status isn't = Absent <b>or</b> Early Release</li> </ol> </li> </ol> </li> <li>Format example: 08:52:00               <ol style="list-style-type: none"> <li>Do not change the time format.</li> </ol> </li> <li>Attendance AND Positive Attendance exist on a given day               <ol style="list-style-type: none"> <li>Follow Attendance exists logic above                   <ol style="list-style-type: none"> <li>Utilize the positive attendance TimeOut instead of the associated period endTime in the calculation for latest time                       <ol style="list-style-type: none"> <li>Format example: 08:52:00                           <ol style="list-style-type: none"> <li>Do not change the time format.</li> </ol> </li> </ol> </li> <li>Positive attendance will be ignored if the time overlaps a period with an entered absence on the attendance table.</li> </ol> </li> </ol> </li> </ol>	System Administration> Calendar> Calendar> Periods Student Information > General > Attendance > Positive Attendance > positive attendance record	per Attendance file
AttendanceNote	Note related to this particular attendance.	<ol style="list-style-type: none"> <li>Report the non-null Comment (Student Info&gt;General&gt;Attendance&gt;Comments) from across all periods in which the student had a qualified(Not excuse = 'X'), "most common" absent Attendance Code where:               <ol style="list-style-type: none"> <li>Status = Absent</li> <li>Excuse NOT = Exempt AND</li> <li>The Comments field is NOT Null</li> </ol> </li> <li>In the case of a tie, will select alphabetically by the code. (i.e: AE before AU)</li> </ol> <p>*Positive Attendance recorded on the AttendanceUnit table will not be utilized.</p>	Student Info>General>Attendance>Comments Student Information > General > Attendance > Positive Attendance > positive attendance record	Attendance file