

StudentDailyAttendance - OK

July
2025

StudentDailyAttendance - OK

Summary

OK - SIF Unity **StudentDailyAttendance** requirements

Batch Condition


1. Existing SIF_Condition elements to support:
 - a. @StudentPersonalRefId
 - b. @SchoolInfoRefId
 - c. @Date
 - d. @SchoolYear

Object Triggering Logic

#	Event Type	Requirement
R1	Delete	A Delete Event is provided whenever a change is made to a student's period attendance for dates < current date

SIF_Event Quartz (and batch) Population Rules (scheduled event each night at 3:45am for Iowa and Oklahoma)

#	Requirement
R1	In Oklahoma Only: Student must be considered either 0.5 or 1.0 absent for the day in the zone calendar year, OR

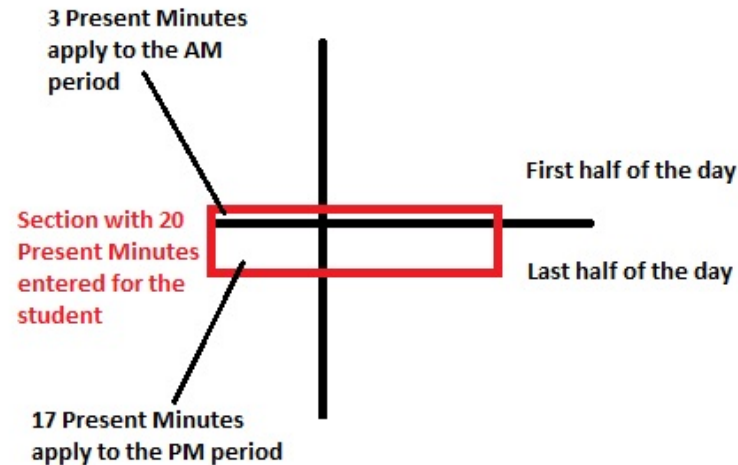
R1. b	<p>In Oklahoma Only: Record is also reported when the student is a blended learning student where the blended learning group is assigned on the day and the student is not absent (DVAP sent)</p> <ul style="list-style-type: none"> • Non-blended learning group: <ol style="list-style-type: none"> 1. When the student's day does NOT qualify to report 0.5 or 1.0 absent: <ol style="list-style-type: none"> a. When the student has an attendance code with Code = "DVAP" assigned to any instructional period in the day, report a StudentDailyAttendance record for the student and day that references (in AttendanceCodeInfoRefId) the DVAP attendance code. • Blended Learning in use for virtual education: <ol style="list-style-type: none"> 1. When the student is assigned to a blended learning group that is also assigned to this specific calendar day, AND the student does NOT calculate as half (0.5) or full day (1.0) absent: <ol style="list-style-type: none"> a. Report a StudentDailyAttendance record for the student and day that references (in AttendanceCodeInfoRefId) the DVAP attendance code. <p>The following apply:</p> <ol style="list-style-type: none"> 1. When the student is not enrolled on the day, they must not report a StudentDailyAttendance record. 2. When the student is not rostered on the day, they must not report a StudentDailyAttendance record.
R2	<p>In Oklahoma Only: Any attendance change up to and including the prior day will receive a StudentDailyAttendance "ADD" when the student qualifies to report.</p>
R3	<p>Iowa and Oklahoma:</p> <ol style="list-style-type: none"> 1. When a student's enrollment End Date is entered, a DELETE Event must be provided for each period on and between 1 day after the student's enrollment End Date AND the calendar End Date for each day WHERE the student had any period attendance Code OR Status entered on their Attendance tab. 2. We added processing to the current AttendanceAggregationJob to send individual SIF DELETE StudentDailyAttendance events for those students who have any Attendance events that are no longer in the student's enrollment date range. This job runs at 3:45 am and also deletes the data from the AttDayAggregationFlag table, which is needed for the SIF events. We are adding the SIF processing to this job to make sure it runs before the data is deleted. 3.  We send Delete events when the attendance no longer exists in the database: <ol style="list-style-type: none"> a. If Enrollment End Date is filled in, and new Start Date is entered, previous Attendances ARE deleted b. If Enrollment End Date is NOT filled in, and new Start Date is entered, previous Attendances are NOT deleted (If the attendance exists in the db, then a Delete is not provided) <p>SIS-121483</p>

Object Population and Business Rules

#	Requirements
R1	<ol style="list-style-type: none"> 1. When the total instructional minutes in the day >200: (instructional minutes from GradeLevel.standardDay. OR Then, Calendar.studentDay, Else, the Instructional Minutes on the Period Schedule) <ol style="list-style-type: none"> a. Each half of the day (AM/PM) is calculated separately using the same general logic: b. <u>Attendance day half calculation</u>: <ol style="list-style-type: none"> i. AM: Find all instructional periods where the period Start Time <= the first half of the day (total instructional minutes in the day / 2). ii. PM: Find all instructional periods where the period End Time >= the second half of the day (total instructional minutes in the day / 2). <ol style="list-style-type: none"> 1. <i>*Note: if total instructional minutes are odd, then half day calculations are split with the extra 1 minute going to the 2nd half of the day</i> iii. Report the half day as absent for the student when the student has absent minutes in the half >= 'Half Day Absence (minutes)' field on the Grade Levels Tab when (System Admin>Calendar>Grade Levels>Grade Level Editor>Grade Level Detail>Half Day Absence (minutes)) = NOT Null. <ol style="list-style-type: none"> 1. When 'Half Day Absence (minutes)' field on the Grade Levels tab = Null, use the 'Half Day Absence (minutes)' field on the Calendar tab. a. When 'Half Day Absence (minutes)' field on the Calendar tab = Null, use our default calculated logic. iv. When any period is not instructional in the half of the day, skip over it and do not count these period minutes within the half day (counted as neither present nor absent). v. When no Half Day Absent override fields have an entry: <ol style="list-style-type: none"> 1. When a student has >=120 present minutes OR 2/3 of the day half minutes (whichever is less) within the half of the day, report this student as present in the half of the day. <ol style="list-style-type: none"> a. "Default" Code Calculation from Dev: If the (half day present minutes – absent minutes) * 3 < half day minutes * 2 And present minutes is null or <120 then count as 0.5 absence, otherwise count as 0.0 absence <ol style="list-style-type: none"> i. <i>Calculation Explained Further: 'half day present minutes' is the result of 1.b.i. or 1.b.ii. (standard day OR student day OR instructional minutes DIVIDED by 2); 'absent minutes' is the number of actual absent minutes within that half of the day; 'half day minutes' is the same as 'half day present minutes' except that it is now capped at 180 max; that 180 or less (depending on how big the half day present minutes calculations came out to be) is then MULTIPLIED by 2</i> <ol style="list-style-type: none"> 1. <i>if (half day present minutes - absent minutes)*3 < (half day minutes*2) == 0.5 absent</i> 2. <i>if (half day present minutes - absent minutes)*3 >= (half day minutes*2) == 0.0 absent</i> vi. When a student is present in the period, where ((Status NOT = 'Absent') OR when (Status = 'Absent' and Excuse = 'Exempt')), count all of the instructional minutes in the period for the student.

vii. When a student is absent in the period, where (Status = 'Absent' and Excuse NOT = 'Exempt'), BUT when (Student Info>General>Attendance>Period>Attendance Information>Present Minutes) NOT = null or 0:

1. When the section period with the Present Minutes entered has 1 or more minutes falling into both halves of the day, apply the Present Minute value equally to each day half, but cap the number of Present Minutes applied to a day half to the number of minutes between and including the section Start Date and the last minute of the day half.
 - a. Any additional minutes NOT able to be applied to any one day half must be applied to the other half of the day.



2. When the section period with the Present Minutes entered does not have any minutes falling into both halves of the day, apply the Present Minutes to the applicable day half.
- viii. Otherwise, when a student is absent in the period, where (Status = 'Absent' and Excuse NOT = 'Exempt'), AND (Student Info>General>Attendance>Period>Attendance Information>Present Minutes) = null or 0, do not apply any present minutes for this student in this day half.

	<p>2. When the total instructional minutes in the day ≤ 200: (this is the case for AM/PM schedules) (instructional minutes from GradeLevel.standardDay. OR Then, Calendar.studentDay, Else, the Instructional Minutes on the Period Schedule)</p> <ol style="list-style-type: none"> When 'Whole Day Absence (minutes)' field on the Grade Levels tab = Null, use the 'Whole Day Absence (minutes)' field on the Calendar tab. <ol style="list-style-type: none"> When 'Whole Day Absence (minutes)' = Null on Calendar, use our default calculated logic. The student must have ≥ 120 instructional present minutes in the entire day, or 2/3 the day half minutes (whichever is less) to be considered present for the day. <ol style="list-style-type: none"> If the (half day present minutes – absent minutes) * 3 < half day minutes * 2 And present minutes is null or <120 then count as 0.5 absence, otherwise count as 0.0 absence When a student is present in the period, where ((Status NOT = 'Absent') OR when (Status = 'Absent' and Excuse = 'Exempt')), count all of the instructional minutes in the period for the student. When a student is absent in the period, where (Status = 'Absent' and Excuse NOT = 'Exempt'), BUT when (Student Info>General>Attendance>Period>Attendance Information>Present Minutes) NOT = null or 0, apply the Present Minutes entered to the student's instructional present minute count. Otherwise, when a student is absent in the period, where (Status = 'Absent' and Excuse NOT = 'Exempt'), AND (Student Info>General>Attendance>Period>Attendance Information>Present Minutes) = null or 0, do not apply any present minutes for this student in this period.
R2	When the student is NOT either half or full day absent, a StudentDailyAttendance object must not be reported for this student and day.
R3	<p>The Attendance Code being referenced (AttendanceCodeInfoRefId) must be in the Attendance Code Allowed List:</p> <ol style="list-style-type: none"> System Admin>Data Interchange>Zones>SIF Zone Options>Attendance Code Allowed List We will report all attendance codes when no attendance code is entered in the allowed list on the Zone Options tab.
R4	<ul style="list-style-type: none"> 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. Do Not Report when the Calendar > 'Exclude from SIF Exchange' is selected

R5	<p>Follow SIF Unity Zone Options Rules for Zones:</p> <p>Exclude:</p> <div> <input type="checkbox"/> No Show Enrollments <input type="checkbox"/> Secondary Enrollments <input type="checkbox"/> State Exclude Enrollments <input type="checkbox"/> State Exclude District Assignments </div> <p>Publish:</p> <div> <input type="checkbox"/> Social Security Numbers in StaffPersonal <input type="checkbox"/> Social Security Numbers in StudentPersonal </div> <p>Demographics:</p> <div> <input type="checkbox"/> Use Legal Gender <input type="checkbox"/> Use Legal Name </div>
<p>Note: 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.</p>	

Object Data Elements Logic

The Mandatory (M)/ Conditional (C)/ Optional (O) column indicates what the state requires for each data element.

	Data Element Label	Business Rules
1	@RefId	<i>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 (it is the key for the object). The alternate keys MUST continue to be supported.</i>
2	@StudentPersonalRefId	<i>The ID (GUID) of the student for whom this attendance information is being reported.</i> <hr/> The RefId for the student.

3	@SchoolInfoRefId	<p><i>The ID (GUID) of the school for which this attendance information is being reported.</i></p> <hr/> <p>The RefId for the school.</p>
4	@Date	<p><i>The calendar date to which this attendance information relates.</i></p> <hr/> <p>The attendance date.</p>
5	@SchoolYear	<p><i>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 2006-2007 school year).</i></p> <hr/> <p>The school year.</p>
6	AttendanceCodeInfoRefId	<p><i>The ID (GUID) of the locally-defined daily attendance code information.</i></p> <hr/> <ol style="list-style-type: none"> 1. 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"> a. When > 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"> i. Otherwise, use the last-entered absent attendance code. 2. When the student is considered ((Half Day Absent)), report the AttendanceCodeInfo version with an AbsenceValue = 0.5. 3. When the student is considered ((Whole Day Absent)), report the AttendanceCodeInfo version with an AbsenceValue = 1.0. <p>The AttendanceCodeInfo RefId in the StudentDailyAttendance object provided for the student and day will always reference an existing, valid AttendanceCodeInfo.</p>

7	TimeIn	<p><i>The time the student entered or returned to school.</i></p> <hr/> <ol style="list-style-type: none"> 1. Attendance exists on a day <ol style="list-style-type: none"> a. 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"> i. Status NOT = Absent or Early Release b. Do not report this element when: <ol style="list-style-type: none"> i. Student does not have any periods in the day in which: <ol style="list-style-type: none"> 1. Status isn't = Absent or Early Release c. Format example: 08:52:00 <ol style="list-style-type: none"> i. Do not change the time format. 2. Attendance AND Positive Attendance exist on a given day <ol style="list-style-type: none"> a. Follow Attendance exists logic above <ol style="list-style-type: none"> i. Utilize the positive attendance TimeIn instead of the associated period startTime in the calculation for earliest time <ol style="list-style-type: none"> 1. Format example: 08:52:00 <ol style="list-style-type: none"> a. Do not change the time format. b. Positive attendance will be ignored if the time overlaps a period with an entered absence on the attendance table.
8	TimeOut	<p><i>The time the student left school.</i></p> <hr/> <ol style="list-style-type: none"> 1. 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"> a. Status NOT = Absent or Early Release 2. Do not report this element when: <ol style="list-style-type: none"> a. Student does not have any periods in the day in which: <ol style="list-style-type: none"> i. Status isn't = Absent or Early Release 3. Format example: 08:52:00 <ol style="list-style-type: none"> a. Do not change the time format. 4. Attendance AND Positive Attendance exist on a given day <ol style="list-style-type: none"> a. Follow Attendance exists logic above <ol style="list-style-type: none"> i. Utilize the positive attendance TimeOut instead of the associated period endTime in the calculation for latest time <ol style="list-style-type: none"> 1. Format example: 08:52:00 <ol style="list-style-type: none"> a. Do not change the time format. b. Positive attendance will be ignored if the time overlaps a period with an entered absence on the attendance table.

9	AttendanceNote	<p>Note related to this particular attendance.</p> <ol style="list-style-type: none"> Report the non-null Comment (Student Info>General>Attendance>Comments) from across all periods in which the student had a qualification (Not excuse = 'X'), "most common" absent Attendance Code where: <ol style="list-style-type: none"> Status = Absent Excuse NOT = Exempt AND <ol style="list-style-type: none"> The Comments field is NOT Null In the case of a tie, will select alphabetically by the code. (i.e: AE before AU) <p>*Positive Attendance recorded on the AttendanceUnit table will not be utilized.</p>
10	InstructionalDeliveryMode	<i>Optional. Does Not Report.</i>
11	ExpectationsMet	<i>Optional. Does Not Report.</i>
12	SIF_ExtendedElements/ SIF_ExtendedElementName= "TransportedEligibleStateAid"	<p>Reports the number of eligible transportation days.</p> <p>Eligible State Aid codes:</p> <p>'OHP1','OHP2','OHP3','OHP4','R','OT','ET01','ET02','ET03','ET04','ET05','ET06','ET07','ET08','RVON','RVOFF','FOY','FRGN','ROP','BOR','TRVOFF','TRVON'</p>
13	SIF_ExtendedElements/ SIF_ExtendedElementName= "InSchoolSuspension"	<p><i>Deprecated in FY2026</i></p> <ol style="list-style-type: none"> Reports "Yes" when student has a behavior Resolution with: <ol style="list-style-type: none"> Resolution Start Date <= StudentDailyAttendance Date (the StudentDailyAttendance object date) AND <ol style="list-style-type: none"> Resolution End Date is null or >= StudentDailyAttendance Date AND <ol style="list-style-type: none"> State Resolution Code (Mapping) = 3100 (Suspension, in-school) Otherwise, reports "No".

Considerations/Assumptions

Testing

Preconditions/Setup

Requirement	Description	Testing Steps	Expected outcome	Testing Complete	Notes	Tester
				<input type="checkbox"/> Issue <input type="checkbox"/> Integration		

QA Testing

SPA Links

[Attribute Updates](#)

[Activate Existing Tab](#)

[New Tab Creation](#)