StudentSectionMarks - OK

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Summary

OK - SIF Unity **StudentSectionMarks** requirements

Batch Condition

1. Existing SIF_Condition elements to support:
   a. @StudentPersonalRefId
   b. @SectionInfoRefId
   c. @TermInfoRefId
   d. @SchoolInfoRefId

Object Triggering Logic

Action	Business Rules
Add	Adding a Grading task to an existing course that is tied to a student section mark's section When the Score and Percent used to be null and one is changed to not null
Add/ Change	Any changes to the GradingScore, GradingTask will trigger a change/add event as appropriate • Check relevant columns (any change to the following columns will trigger a change) • Grading Score = Score, Percent and Comments • Grading Task = State Reported • Grading Task Credit = Score Group
Add/ Delete	• Checking/unchecking course.active • When student's Enrollment is added/deleted • When the Enrollment becomes excluded/unexcluded based on the Zone Options

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Delete	When the Roster is removed
	When the Score or Percent used to be not null and they are now both null

Object Population and Business Rules

#	Requirements
R1	When (Scheduling>Courses>Course>Active) is set to checked, report all applicable StudentSectionMarks instances for the students enrolled in the course. When (Scheduling>Courses>Course>Active) NOT = Checked, do not report a StudentSectionMarks object for the marks given to the students in this course.
R2	Add events will only be generated for objects that also report SectionInfo We will only report calendar associated with the Zone scope year
R3	• The score is specifically tied to a section, so if the student switches sections, this object only applies to the one section. • For being rostered in a section, we look to see if they were rostered in the section for that score at all. No dates are checked.
R4	Will not report when: 1. Any course with a state code marked as "Exempt" or if null 2. If course is marked Exclude in a calendar 3. Student is enrolled into only a non-primary enrollment, and the SIF Zone Option has "Exclude All Secondary Enrollments" = Checked. 4. Exclude No Show Enrollments is checked 5. Exclude All State Exclude Enrollments is checked 6. When School/Calendar Exclude is checked 7. Calendar > 'Exclude from SIF Exchange' is selected

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R5	Follow SIF Zone Options Rules for Zones:
	Exclude: No Show Enrollments ⊗ Secondary Enrollments ⊗ State Exclude Enrollments ⊗ State Exclude District Assignments ⊗ **Publish:** Social Security Numbers in StaffPersonal ⊗ Social Security Numbers in StudentPersonal ⊗ **Demographics:** Use Legal Gender ⊗ Use Legal Name ⊗
	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

Object Data Elements Logic

	Data Element Label	Business Rules	M, C, O	Data Source GUI Path	Database Field
1	@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.* Calculated CATs	M		GradingScore. scoreID, District. districtGUID, MA: Roster. personID, Term.termID, District. districtGUID

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2	@StudentPersonalRefId	*The Id (GUID) that uniquely identifies the StudentPersonal object that this item refers to.*	M		
3	@SectionInfoRefId	Reference to the applicable SectionInfo	M		Section. sectionID
4	@TermInfoRefId	*The Id (GUID) that identifies the marking period that the following marks are recorded in.*	M		Term.termID
5	@SchoolInfoRefId	*The Id (GUID) that uniquely identifies the School that these Mark Values apply to.* Reference to the applicable SchoolInfo.	M		School. schoolID
6	IsFinal	*Indicates if the grades are "Final" from the perspective of the teacher or school. Does not mean that change events will not occur for this item.* Reports "true" (For posted/final grade and not in-progress grade)	M		
7	MarkList *(List)*	*A list of marks received for this student in this section. For each Mark entry, at least one of the sub-elements must be specified.*	M		
8	MarkList/ Mark *(List)*	*Outer wrapper for marks reported for this section, in this term.*	MR	Student Information > General > Grades	
9	MarkList/ Mark/ @MarkInfoRefId	*The Id (GUID) that identifies a mark that was given for this student.* Reports the associated MarkInfoRefId	M		ScoreGroup. scoreGroupID, School. schoolID

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10	MarkList/ Mark/ Percentage	*Required if available.* *Note: At least one of the four (Percentage, Numeric, Letter, or Narrative) must be supplied.* *For the grades 7th– 12th, Percentage, and Letter grades are expected where applicable.* *The percent score for this mark (0.00 - 100.00).* Reports the Percentage	C	Instruction > Grading By Task | Student	GradingScore. percent
11	MarkList/ Mark/ Numeric	*Required if available.* *Note: At least one of the four (Percentage, Numeric, Letter, or Narrative) must be supplied.* *For the grades 7th– 12th, Percentage, and Letter grades are expected where applicable. Decimal* *The raw numeric score for this mark.* Reports the numeric score	C	Instruction > Grading By Task | Student	GradingScore. score
12	MarkList/ Mark/ Letter	*Required if available.* *Note: At least one of the four (Percentage, Numeric, Letter, or Narrative) must be supplied. Letter grades of A, B, C, D, F with no other characters required for postsecondary coursework credit.* *The letter grade is used for inclusion in the Postsecondary Opportunities Report.* *The letter grade for this mark.* Reports the Score	C	Instruction > Grading By Task | Student	GradingScore. score

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| 13 | MarkList/ Mark/ Narrative | *Required if available.*

Note: At least one of the four (Percentage, Numeric, Letter, Narrative) must be supplied. For the higher grades (7th – 12th, Percentage and Letter grades are expected where applicable.)

The free form text narrative for this mark.

Reports the comments if the field has any | C | Instruction > Grading By Task \| Student | GradingScore. comments |
| 14 | SIF_ExtendedElements/ SIF_ExtendedElementName= "TermGrade" | *Required if a Term Grade exists. Contained in this element will be the MarkInfoRefId that represents the relevant grade for the term associated with this particular object.*

Since the StudentSectionMarks contains a MarkList, it is possible for more than one grade to be assigned for this object for a particular term and it is possible for all of the grades contained in the list to be IsFinal = true.
The relevant grade or "report card" grade for the term (TermInfoRefId) associated with this object should be identified by placing the MarkInfoRefId from the MarkList in this ExtendedElement. If a relevant grade does not exist, then the SIF_ExtendedElement does not have to be supplied. The format for the RefId should contain no spaces or hyphens.
Example:
F4AABF042EAD4781A9AA20BF64C4EDAC | C | | |

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1. When there is a grade in a Grading Task OR Standard with "State Reported" and "Final" = Checked that is associated with the student in the term for this object, report the MarkInfoRefId for this grade to the extended element.
   a. When there is BOTH a Grading Task AND a Standard grade entered with "State Reported" and "Final" = Checked in the term, report the RefId for the Grading Task grade.
   b. When there is > 1 grade entered in the same Grading Task with "State Reported" and "Final" = Checked in the term, OR when there is > 1 grade entered from across >1 Grading Task, report the latest, highest RefId.
2. When the determined "Term Grade" is NOT directly modified through a SIF trigger (so some other grade is added/changed), it must still be reported in the extended element for the grade reporting (causing the triggered event) in the object instance.
   a. SPA Comment: My understanding is that we do not need to send full SIF data in delete events
3. When there is no grade given in a Grading Task OR Standard with "State Reported" and "Final" = Checked in the term, do not report the extended element. Since this is the only existing extended element in the StudentSectionMarks object, we will want to also not report the SIF_ExtendedElements tags.

| 15 | SIF_ExtendedElements/ SIF_ExtendedElementName= "CurrentGrade" | | C | | |

Considerations/Assumptions

Testing

Preconditions/Setup

Requirement	Description	Testing Steps	Expected outcome	Testing Complete	Notes	Tester
				☐ Issue ☐ Integration		

QA Testing

SPA Links

[Attribute Updates](#)

[Activate Existing Tab](#)

[New Tab Creation](#)

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