

Mark Value Info

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Summary

This object defines the types of values allowed for a mark and the domain for each mark value. At least one of the Percentage, Numeric, Letter or Narrative nodes must be used to create a valid MarkValueInfo.

SIF_Events are reported for this object.

v4.3- <http://specification.sifassociation.org/Implementation/NA/4.3/GradeBookWorkingGroup.html#375MarkValueInfo>

Batch Condition

1. Existing SIF_Condition elements to support:
 - a. @SchoolInfoRefId
-

Object Triggering Logic

Action	Business Rule(s)
Add	1. When a new Score Group is added to a Grading Task on a course in Campus 2. When a new Rubric is added to a Standard on a course in Campus a. Grading & Standards > Score Groups & Rubrics 3. When score group id is changed in GradingTaskCredit table • (Note: For Rubrics, when the score group id is changed, a Delete/Add event will not be triggered. This change will have to be done by batch) • (Note: When the score group id already connected to a course in a school in a given year is changed, to trigger a delete event, that id will have to be the last (and the only one) unique id existing then only it will send deletes. And then to trigger an add event, that same id will have to be the first (and the only one) unique id that doesn't exist yet in that particular course in a school in that given year then only it can be added).
Change	1. When the Score Group information is changed and saved a. When Score group Name is Changed 2. When the Rubric information is changed and saved a. When the Rubric Name is Changed
Delete	When an existing Score Group in ScoreGroup table is removed

Object Population and Business Rules

#	Requirement
R1	The SIF Configuration must have access rights assigned to MarkValueInfo. The district must belong to the same calendar and year assigned to the SIF Zone in order to populate.
	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 Rule(s)	M/ C/ O	Data Source GUI Path	Database Field
1	@RefId	<i>The Id (GUID) that uniquely identifies this MarkValueInfo entity.</i> Report the unique ID of the selected Score Group. <i>Note: We are not currently supporting RefId in the SIFObjectMap code for this object so the batch request will not pull a single record when it runs a "refID" condition.</i>	M	Grading & Standards > Score Groups & Rubrics > Score Groups & Rubrics Editor	MIN(dbo. ScoreListItem.itemID), ScoreGroup.scoreGroupID
2	@SchoolInfoRefId	<i>The Id (GUID) that uniquely identifies the School that these Mark Values apply to.</i> 1. If the Score Group for a Course in the selected school (Course > Grading Tasks > Grading Task Editor > Score Group = selected), report the unique School ID which uses this mark. 2. If the Standard for a Course in the selected school (Course >Standards>Standards Alignment = selected), report the unique School ID which uses this mark.	M	Course > Grading Tasks > Grading Task Editor > Score Group Course >Standards>Standards Alignment	School.schoolID

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3	SchoolYear	<i>The year that this MarkValueInfo applies to.</i> 1. Report the year of the MarkInfo (based on the SchoolYear) referencing this MarkValueInfo. 2. A new MarkValueInfo object must be created for each year being referenced by MarkInfo	M		Calendar. schoolYear
4	Name	<i>The text name of the value list ("Letter Grades", "Letter Grades (+/-)", "ESU", "Pass/Fail", "Override Grades", "Citizenship Comment Codes", etc.).</i> 1. Report the Name of the selected Score Group or Rubric.	M	Grading & Standards > Score Groups & Rubrics > Score Groups & Rubrics Editor > Score Group (or Rubric) Detail > Name	ScoreGroup. name
5	Percentage (List)	<i>Indicates whether a percent Mark is accepted (format ##0.00).</i>	M		
6	Percentage/ @IsAccepted	<i>Indicates whether a percent Mark is accepted and is used in Change events to unambiguously signal whether support for the Mark has changed, especially ended.</i> Hard coded to "False"	M		
7	Numeric (List)	<i>Indicates whether a raw numeric score is accepted.</i>	M		

8	Numeric/ @IsAccepted	<i>Indicates whether a raw numeric score is accepted.</i> 1. Count Rows in Score group or Rubric (Grading & Standards > Score Groups & Rubrics > Score Groups & Rubrics Editor > Score Group List Items Detail (or Rubric List Item Detail) > Score). a. If total Rows has numeric character, count + 1. i. If Count = Rows, Numeric/@IsAccepted = "true". ii. Else, report "false". IF SUM(ISNUMERIC(dbo.ScoreListItem.score)) > 0 THEN "true" ELSE "false" END	M	Grading & Standards > Score Groups & Rubrics > Score Groups & Rubrics Editor > Score Group List Items Detail (or Rubric List Item Detail) > Score	scoreListItem.score
9	Numeric/ Precision	<i>Number of significant digits.</i> - Only reports if Numeric/ @IsAccepted = true - hard code to "7"	O		
10	Numeric/ Scale	<i>Number of decimal places.</i> - Only reports if Numeric/ @IsAccepted = true - hard code to "3"	O		
11	Numeric/ Low	<i>Lowest Mark in the range (e.g., 98, 3.95).</i> - Only reports if Numeric/ @IsAccepted = true - MIN(dbo.ScoreListItem.score)	O		scoreListItem.score
12	Numeric/ High	<i>Highest Mark in the range (e.g., 100, 4.0).</i> - Only reports if Numeric/ @IsAccepted = true - MAX(dbo.ScoreListItem.score)	O		scoreListItem.score

13	Letter (List)	<i>Indicates whether a letter Mark is accepted.</i>	M		
14	Letter/ @IsAccepted	<i>Indicates whether a letter Mark is accepted and is used in Change events to unambiguously signal whether support for the Mark has changed, especially ended</i> - Count Rows in Score group or Rubric (Grading & Standards > Score Groups & Rubrics > Score Groups & Rubrics Editor > Score Group List Items Detail (or Rubric List Item Detail) > Score). - If total Rows has alpha character, count +1 - If Count = Rows, Letter/@IsAccepted = "true" - Else, report "false" - IF ISNUMERIC(dbo.ScoreListItem.score) = 0 (capture first occurrence of a zero return) THEN "true" ELSE "false"	M	(Grading & Standards > Score Groups & Rubrics > Score Groups & Rubrics Editor > Score Group List Items Detail (or Rubric List Item Detail) > Score)	scoreListItem.score
15	Letter/ ValidMark (List)	<i>List of specific valid letter Marks. May be omitted when IsAccepted is false, otherwise mandatory.</i> - Only reports if Letter/ @IsAccepted = true - Omitted when Letter = false. Else, container element to hold ValidMark/Code. - This element is repeated for each value in "Score" field with an alphabetic character.	CR		

16	Letter/ ValidMark/ Code	<i>String representing the actual Mark that would appear on the report card (e.g., "A+", "I", "100").</i> 1. Only reports if Letter/ @IsAccepted = true a. Report the value for each "Score" field cell that contains an alphabetic character. IF ISNUMERIC(dbo.ScoreListItem.score) = 0 THEN dbo.ScoreListItem.score	M		scoreListItem. score
17	Letter/ ValidMark/ NumericEquivalent	<i>Numeric equivalent for the Mark (e.g., 100, 4.0).</i> 1. Only reports if Letter/ @IsAccepted = true a. Report the GPA value associated with the letter grade (Grading & Standards > Score Groups & Rubrics > Score Groups & Rubrics Editor > Score Group List Items Detail (or Rubric List Item Detail) > GPA Value).	O	Grading & Standards > Score Groups & Rubrics > Score Groups & Rubrics Editor > Score Group List Items Detail (or Rubric List Item Detail) > GPA Value	ScoreListItem. gpaValue
18	Letter/ ValidMark/ Description	<i>The description for this code. (e.g. "Excellent", "Participates in Class", "Incomplete", etc...).</i> 1. Only reports if Letter/ @IsAccepted = true a. Report the description for this code (Grading & Standards > Score Groups & Rubrics > Score Groups & Rubrics Editor > Score Group List Items Detail (or Rubric List Item Detail) > Name).	O	Grading & Standards > Score Groups & Rubrics > Score Groups & Rubrics Editor > Score Group List Items Detail (or Rubric List Item Detail) > Name	ScoreListItem. name
19	Narrative (List)	<i>If present, indicates that a free-form text narrative is accepted.</i>	M		
20	Narrative/ @IsAccepted	<i>Indicates whether a narrative is accepted and is used in Change events to unambiguously signal whether support for a narrative has changed, especially ended.</i> hard-coded value = "false"	M		

JSON Sample

```
{
  "MarkValueInfo": {
    "RefId": "11737E214A7C46BDBA4301CADCA75C87",
    "SchoolInfoRefId": "11737EA4301CADCA75C87214A7C46BDB",
    "SchoolYear": "2004",
    "Name": "Letter Grades",
    "Percentage": {
      "IsAccepted": "false",
      "value": ""
    },
  },
  "Numeric": {
    "IsAccepted": "false",
    "value": ""
  },
  "Letter": {
    "IsAccepted": "true",
    "ValidMark": [
      {
        "Code": "A",
        "NumericEquivalent": 100
      },
      {
        "Code": "B",
        "NumericEquivalent": 90
      },
      {
        "Code": "C",
        "NumericEquivalent": 80
      },
      {
        "Code": "D",
```

```
    "NumericEquivalent": 70
  },
  {
    "Code": "F",
    "NumericEquivalent": 60
  }
]
},
"Narrative": {
  "IsAccepted": "false",
  "value": ""
}
}
```

Appendix