Attendance Code Info

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Attendance Code Info

Table of Contents

- [Summary](#summary)
- [Batch Condition](#batch-condition)
- [Object Triggering Logic](#object-triggering-logic)
- [Object Population and Business Rules](#object-population-and-business-rules)
- [Object Data Elements Logic](#object-data-elements-logic)
- [JSON Sample](#json-sample)
- [Appendix](#appendix)

Summary

This object provides information about a particular attendance code, allows applications to synchronize each other's attendance code tables, or provides a dynamic list of attendance codes.

SIF_Events are reported for this object.

v4.3- http://specification.sifassociation.org/Implementation/NA/4.3/StudentInformationSystemsWorkingGroup.html#3162AttendanceCodeInfo

Batch Condition

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

Object Triggering Logic

Action	Business Rule(s)

Add	When a new Attendance Code is created and saved.
	System Admin>Attendance>Attendance Codes>AttendanceExcuses Editor>AttendanceExcuse Detail
	
	1. Report 2 AttendanceCodeInfo Objects associated with the attendance code when Type = A and Excuse is NOT = X (unexcused, blank, unknown or excused). Each AttendanceCodeInfo will have a unique RefId:
	  a. Object 1: Report the AbsenceValue = 1.0
	  b. Object 2: Report the AbsenceValue = 0.5
	2. Report 1 AttendanceCodeInfo Object associated with the attendance code when (Status = A and Excuse NOT = X) IS NOT TRUE. There will only be 1 RefId associated with this attendance code:
	  a. Object 1: Report the AbsenceValue = 0.0
	  b. *This is meant to communicate that we report a single RefId associated with this Attendance Code when the Attendance Code is not an unexcused, blank, unknown or excused absence*
	3. When an attendance code is changed from NOT (Status = A, Excuse NOT = X), both new RefIds must be added.
	  a. *This is meant to communicate that that when the Attendance code is for unexcused absences, we store and report 2 separate RefIds for this Attendance Code.*
	  b. *We would not be using the same RefId as we would for the non unexcused absences since those will have an AbsenceValue = 0.0. The RefIds that are for unexcused absences will have AbsenceValue = 0.5 and 1.0.*

Change	When an Attendance Code is changed and saved.
	System Admin>Attendance>Attendance Codes>AttendanceExcuses Editor>AttendanceExcuse Detail
	
	When an Attendance Code that is generating an object with an AbsenceValue = 1.0 or 0.5 is changed, a CHANGE event must be provided for both objects.
	
	1. When an Attendance code is changed from (Excuse = X), to (Type = A and Excuse NOT = X), both new RefIds must be added for:
	  a. Object 1: Report the AbsenceValue = 1.0
	  b. Object 2: Report the AbsenceValue = 0.5
	2. When an Attendance Code that is generating an object with an AbsenceValue = 1.0 or 0.5 is changed, a Change event must be provided for both objects.

Delete	When an Attendance Code is deleted
	• When an Attendance Code that has (Excuse NOT = X) is deleted • When an Attendance Code that has (Excuse NOT = X) is changed to HAVE (Excuse = X). • When an Attendance Code that has (Excuse = X) is deleted • When an Attendance Code that has (Excuse = X) is changed to HAVE (Excuse NOT = X) • When an Attendance Code that has Status = A and Excuse NOT = X is deleted or changed to no longer have (Status = A, Excuse NOT = X), delete both objects associated with this Attendance Code. • When an Attendance Code that DOES NOT have (Status = A and Excuse NOT = X) is deleted, send a delete for this object. • When an Attendance Code that DOES NOT have (Status = A and Excuse NOT = X) is changed to HAVE (Status = A and Excuse NOT = X). 1. The Attendance Code reporting 0.0 will be deleted and 2 new AttendanceCodeRefIds will be created with 0.5 and 1.0 AbsenceValue

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Object Population and Business Rules

#	Requirement
R1	• The SIF Configuration must have access rights assigned to AttendanceCodeInfo. • The district must belong to the same calendar and year assigned to the SIF Zone in order to populate. • Does not have "Exclude From SIF Reporting" = Checked on the Calendar • 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. • Note: This object only has SchoolInfoRefId as other ID

Object Data Elements Logic

	Data Element Label	Business Rule(s)	M/C/O	Data Source GUI Path	Database Field
1	@RefId	*The Id (GUID) that uniquely identifies this AttendanceCodeInfo entity.* Campus Calculated	M		
2	@SchoolInfoRefId	*The Id (GUID) that identifies the school where the attendance code is used.* The RefId for the school	M		School.schoolID
3	AttendanceCode	*Locally defined code for attendance.* Reports from Code	M	System Admin>Attendance>Attendance Codes>AttendanceExcuses Editor>AttendanceExcuse Detail>Code	attendanceExcuse.code
4	AttendanceType	*Type of attendance code.* *https://ceds.ed.gov/element/000601* Reports "DailyAttendance"	M		

| 5 | AttendanceStatus | *Excused status of the attendance code.*

https://ceds.ed.gov/element/000076

Report based on the Status & Excuse fields on the AttendanceExcuse Detail:

  a. When Absent and Unknown/ Unexcused, report "UnexcusedAbsence"
  b. When Tardy and Unknown/ Unexcused, report "Tardy"
  c. When Early Release and Unknown/ Unexcused, report "EarlyDeparture"
  d. When Absent & Exempt/Excused, report "ExcusedAbsence"
  e. Otherwise, report "Present" | M | System Admin>Attendance>Attendance Codes>AttendanceExcuses Editor>AttendanceExcuse Detail>Status

System Admin>Attendance>Attendance Codes>AttendanceExcuses Editor>AttendanceExcuse Detail>Excuse | attendanceExcuse. status

attendanceExcuse. excuse |
| 6 | Description | *The text description of the attendance code.*

1. Reports the non-null Description
2. When there is no non-null Description, do not report this element | O | System Admin>Attendance>Attendance Codes>AttendanceExcuses Editor>AttendanceExcuse Detail>Description | attendanceExcuse. description |

7

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7	AbsenceValue	*The amount of absence represented by AttendanceCode, up to three decimal places.*
		
		1. Report 2 AttendanceCodeInfo objects associated with the attendance code when Status = A and Excuse NOT = X. Each AttendanceCodeInfo will have a unique RefId:
		  a. Object 1: Report the AbsenceValue = 1.0
		  b. Object 2: Report the AbsenceValue = 0.5
		2. Report 1 AttendanceCodeInfo object associated with the attendance code when (Status = A and Excuse = X) There will only be 1 RefId associated with this attendance code:
		  a. Object 1: Report the AbsenceValue = 0.0
			O	System Admin>Attendance>Attendance Codes>AttendanceExcuses Editor>AttendanceExcuse Detail>Status
				
				System Admin>Attendance>Attendance Codes>AttendanceExcuses Editor>AttendanceExcuse Detail>Excuse
					attendanceExcuse. status

8	UsedForDailyAttendance	*Is this attendance code used for daily attendance?* 1. When AbsenceValue = 0.0, report "No". 2. Otherwise, report "Yes"	M		
9	UsedForPeriodAttendance	*Is this attendance code used for period attendance?* 1. When AbsenceValue = 0.0, report "No". 2. Otherwise, report "Yes"	M		

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JSON Sample

```json
{
  "AttendanceCodeInfo": {
    "RefId": "64A309DA063A2E35B359D75101A8C3D0",
    "SchoolInfoRefId": "CE0674A8BB8247669DE348F113D2316A",
    "AttendanceCode": "AE",
    "AttendanceType": {
      "value": "Absent"
    },
    "AttendanceStatus": {
      "value": "Excused"
    },
    "Description": "Child is absent with appropriate, legal excuse.",
    "AbsenceValue": 1.0,
    "UsedForDailyAttendance": {
      "value": "Yes"
    },
    "UsedForPeriodAttendance": {
      "value": "Yes"
    }
  }
}
```

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Appendix

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