

Ed-Fi 3.x Student Section Attendance Event Entity Mapping

Overview

This document defines the mapping of Aeries data to the Ed-Fi data standard.



Document Version 1.0

Last Updated 07 Nov 2021

Status

Ready for v3 certification.

Description

This event entity represents the recording of whether a student is in attendance for a section.

Student Section Attendance Event Links

Mapping v3.2.0-c

<https://mappingedu.ed-fi.org/#!/entity/f6076848-e7ba-ea11-80df-005056b36109/info?dataStandardId=7ec6133d-e7ba-ea11-80df-005056b36109>

Schema v3.2.0-c

<https://schema.ed-fi.org/datahandbook-v320c/#!/StudentSectionAttendanceEvent594>

API v3.4.0

<https://api.ed-fi.org/v3.4.0/docs/index.html#/studentSectionAttendanceEvents>

Scenarios v3

<https://techdocs.ed-fi.org/display/EDFICERT/v3+Student+Attendance+%3E+StudentSectionAttendanceEvent+Scenarios>

Natural Key

- AttendanceEventCategoryDescriptor
- EventDate
- LocalCourseCode
- SchoolId
- SchoolYear
- SectionIdentifier
- SessionName
- StudentUniqueId

Used By

None

Mapping

Parent	Property	Type	Required	Table	Field	Other	Code / Notes
\	attendanceEventCategoryDescriptor	Descriptor	Identity	CAT	CD		GetEdFiCodeValue(AttendanceEventCategoryDescriptor, "ATT", "AL", rowATT!CD)
\	attendanceEventReason	String	Required	COD. DE ATN. CO		NOTES	GetString(s("NOTES"))
\	educationalEnvironmentDescriptor	Descriptor	Optional				
\	eventDate	Date	Identity	ATT	DT		GetNullableDate(s("DT"))
\	eventDuration	String	Optional				

\	arrivalTime	Time	Optional				
\	departureTime	Time	Optional				
\	sectionReference	SectionReference	Required				
sectionReference	sectionIdentifier	String	Identity				GetUniqueSectionCode(s("SC"), s("SE"))))
sectionReference	sessionName	String	Identity				TermName =GetTermName(rowATT!SC, rowATT!SM) GetSessionName(rowATT!SchoolYear, termName)
sectionReference	localCourseCode	String	Identity	CAR	CN		GetString(s("CN"))
sectionReference	schoolId	Integer	Identity	CAR	SC		GetNullableInteger(s("SC"))
sectionReference	schoolYear	Integer	Identity			Aeries current school Year + 1	GetNullableInteger(s("SCHOOLYEAR"))
\	studentReference	StudentReference	Identity				
studentReference	studentUniqueld	String	Identity	STU	ID		GetString(s("ID"))

Code

```

Public Shared Function GetSessionName(ByVal schoolYear As Integer,
ByVal term As String) As String

    Return schoolYear.ToString() & " " & term

End Function

Public Shared Function GetTermName(ByVal schoolcode As Integer, ByVal
termCode As String, ByVal ConnectionString As String) As String

    'Ref: https://mappedu.ed-fi.org/#/element/e778beed-1c80-ea11-
80df-005056b36109/details?dataStandardId=e8efbbaa-1b80-ea11-80df-
005056b36109

    Select Case termCode
        Case "Y"
            Return "Year Round"
        Case "S"
            Return "Spring Semester"
        Case "F"
            Return "Fall Semester"
    End Select

    If Trimester(schoolcode, ConnectionString) Then
        Select Case termCode
            Case "1"
                Return "First Trimester"
            Case "2"
                Return "Second Trimester"
            Case "3"
                Return "Third Trimester"
        End Select
    End If

```

```
Else
    Select Case termCode
        Case "1"
            Return "First Quarter"
        Case "2"
            Return "Second Quarter"
        Case "3"
            Return "Third Quarter"
        Case "4"
            Return "Fourth Quarter"
    End Select
End If

Return termCode

End Function

Public Shared Function GetUniqueSectionCode(ByVal school As String,
ByVal section As String) As String

    Return school & "-" & section

End Function
```

```
[
  {
    "id": "string",
    "attendanceEventCategoryDescriptor": "string",
    "eventDate": "2020-12-17",
    "sectionReference": {
      "localCourseCode": "string",
      "schoolId": 0,
      "schoolYear": 0,
      "sectionIdentifier": "string",
      "sessionName": "string",
      "link": {
        "rel": "string",
        "href": "string"
      }
    },
    "studentReference": {
      "studentUniqueId": "string",
      "link": {
        "rel": "string",
        "href": "string"
      }
    },
    "arrivalTime": "string",
    "attendanceEventReason": "string",
    "departureTime": "string",
    "educationalEnvironmentDescriptor": "string",
    "eventDuration": 0,
    "sectionAttendanceDuration": 0,
    "_etag": "string"
  }
]
```