

Ed-Fi 2.x Discipline Action Entity Mapping

Overview

Use this page to help understand and define the mapping of Aeries data to Ed-Fi data



Status

Ready for certification

Document Version 1.5

Last Updated 25 Feb 2020

Links

Entity

<https://mappingedu.ed-fi.org/#/entity/4911049f-4ed2-e811-80d9-005056b36109/info?dataStandardId=db3697f4-4dd2-e811-80d9-005056b36109>

Scenarios

<https://techdocs.ed-fi.org/display/EDFICERT/Student+Discipline+%3E+DisciplineAction+Scenarios>

Schema

<http://schema.ed-fi.org/datahandbook-v22/Ed-Fi-UDM-Handbook-Index.html#/DisciplineAction553>

Root Table

DSP

SQL

Scheduled

DSP_Functions.GetEdFiDataTable_DisciplineActions_Descriptors

```
SELECT [DSP].[PID], [DSP].[SQ], [DSP].[DS]
FROM [DSP]
INNER JOIN [ADS] ON [DSP].[PID] = [ADS].[PID] AND [DSP].[SQ] = [ADS].[SQ]
WHERE [ADS].[DEL] = 0 AND [DSP].[DEL] = 0 AND [ADS].[SCL] = @SCL AND [ADS].[IID] > 0 AND [ADS].[DT] >= @DT
AND [ADS].[PID] IN (SELECT [ID] FROM [ENR] WHERE [ENR].[YR] = @YR) AND [DSP].[DS] > ' '
ORDER BY [ADS].[PID], [DSP].[SQ], [DSP].[SQ1]
```

Real-Time

DSP_Functions.GetEdFiDataTable_DisciplineActions_Descriptors

```
SELECT [DSP].[PID], [DSP].[SQ], [DSP].[DS]
FROM [DSP]
INNER JOIN [ADS] ON [DSP].[PID] = [ADS].[PID] AND [DSP].[SQ] = [ADS].[SQ]
WHERE [ADS].[DEL] = 0 AND [DSP].[DEL] = 0 AND [ADS].[SCL] = @SCL AND [ADS].[IID] > 0 AND [ADS].[DT] >= @DT
AND [ADS].[PID] IN (SELECT [ID] FROM [ENR] WHERE [ENR].[YR] = @YR) AND [DSP].[DS] > ' ' AND [DSP].[DTS] >=
@TimeSince
ORDER BY [ADS].[PID], [DSP].[SQ], [DSP].[SQ1]
```

Scheduled & Real-Time

DSP_Functions.GetEdFiDataTable_DisciplineActions_Totals

```
SELECT [ADS].[DT], [ADS].[PID], [ADS].[IID], [ADS].[SQ], [ADS].[SCL], [DSP].[DS], SUM([DSP].[DY])
[TotalDays], MIN([DSP].[DD]) [StartDate]
FROM [ADS]
INNER JOIN [DSP] ON [ADS].[PID] = [DSP].[PID] AND [ADS].[SQ] = [DSP].[SQ]
WHERE [ADS].[DEL] = 0 AND [DSP].[DEL] = 0 AND [ADS].[SCL] = @SCL AND [ADS].[IID] > 0 AND [ADS].[DT] >= @DT
AND [ADS].[PID] IN (SELECT [ID] FROM [ENR] WHERE [ENR].[YR] = @YR) AND [DSP].[DS] > ' '
GROUP BY [ADS].[DT], [ADS].[PID], [ADS].[IID], [ADS].[SQ], [ADS].[SCL], [DSP].[DS]
```

Mapping

Parent	Property	Type	Required	Table	Field	Other	Code
\	actualDisciplineActionLength	Integer	Required	DSP	DY	TotalDays	GetNullableInteger(s("TotalDays"))
\	assignmentSchoolReference	SchoolReference	Optional				
	link	Link	Optional				
	schoolId	Integer	Optional				
\	disciplineDate	Date	Identity	DSP	DD	StartDate	If(GetNullableDate(s("StartDate")) Is Nothing, GetNullableDate(s("DT")), GetNullableDate(s("StartDate")))
\	disciplineIncidents	List(Of DisciplineActionDisciplineIncident)	Required				
disciplineIncidents[n]	disciplineIncidents(1)	DisciplineActionDisciplineIncident	Required				
disciplineIncidents[n]	disciplineIncidentReference	DisciplineIncidentReference	Required				
disciplineIncidents[n] disciplineIncidentReference	incidentIdentifier	String	Required	ADS	IID		GetString(rowDSP!IID)
disciplineIncidents[n] disciplineIncidentReference	link	Link	Optional				
disciplineIncidents[n] disciplineIncidentReference	schoolId	Integer	Required	ADS	SCL		GetNullableInteger(rowDSP!SCL)
\	disciplines	List(Of DisciplineActionDiscipline)	Required				
disciplines[n]	disciplineDescriptor	DisciplineMapType	Required	DSP	DS		GetEdFiCodeValue(DisciplineDescriptor, "DSP", "DS", discipline) see logic below
\	identifier	String	Identity	ADS	SQ		GetString(s("SQ"))
\	length	Integer	Optional				
\	lengthDifferenceReasonType	String	Optional				
\	relatedToZeroToTolerancePolicy	Boolean	Optional				
\	responsibilitySchoolReference	SchoolReference	Required				
responsibilitySchoolReference	link	Link	Optional				
responsibilitySchoolReference	schoolId	Integer	Required	ADS	SCL		GetNullableInteger(s("SCL"))
\	staffs	List(Of DisciplineActionStaff)	Optional				
staffs[n]	staffs(1)	DisciplineActionStaff	Optional				
staffs[n]	staffReference	StaffReference	Optional				
staffs[n]	link	Link	Optional				
staffs[n]	staffUniqueid	String	Optional				

\	studentReference	StudentReference	Identity				
studentReference	link	Link	Optional				
studentReference	studentUniqueld	String	Identity	ADS	PID		GetString(s("PID"))

Code

Loop through all the discipline actions and if a mapping fails add 'Other' to the list, if it's not already present. Do not add any duplicates to the list.

```

For Each discipline As String In lstDisciplines

    Dim disciplineAction As DisciplineActionDiscipline = New DisciplineActionDiscipline With {
        .disciplineDescriptor = EdFiDescriptors.GetEdFiCodeValue(EdFiResourceDescriptors.
DisciplineDescriptor, "DSP", "DS", discipline, OdsConfiguration.ConfigId, DbConnectionString)
    }
    ' consider adding a parameter to GetEdFiCodeValue that is a default if null or empty
    If String.IsNullOrEmpty(disciplineAction.disciplineDescriptor) Then
        disciplineAction.disciplineDescriptor = "Other"
    End If

    If Not mappedDisciplineAction.disciplines.Any(Function(d) d.disciplineDescriptor = disciplineAction.
disciplineDescriptor) Then
        mappedDisciplineAction.disciplines.Add(disciplineAction)
    End If

Next

```