Minnesota Ed-Fi Data v3.1 - Sections

Last Modified on 10/22/2022 10:26 am CDT

Object Triggering Logic | School Exclude, Calendar Exclude, Resource Toggle and Resync Logic | Natural Key Changes, Cascading Updates, and Deletes Logic | Scope Year Logic | Resource Preferences | Event Queue Detail | Object Data Elements | Type/Descriptor

Classic View: System Administration > Ed-Fi

Search Terms: Ed-Fi

This educational entity represents a setting in which organized instruction of course content is provided to one or more students for a given period of time. A course may be offered to more than one class/section. Instruction, provided by one or more teachers or other staff members, may be delivered in person or via a different medium.

Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	When a section is created and saved. • Section Placement is required in order for the section to send. • 1 record will report for each Section and Term Type combination. • Do not send records if the Calendar Exclude check box is checked. • Do not send records if the course is marked inactive or State Exclude. • Do not send if the School Exclude check box is checked.
Post	When Section Placement is changed and saved on a section.
Post	When the Local Course Number or Term type Override is changed.
Put	When any fields listed below are changed: • When the local course name or SCED Seq Number is changed and saved on the Course editor. • When the Instructional Setting is changed and saved on a section. • When the Credit field is changed and saved on a Grading Task assigned to the course.
Delete	When a section is deleted.
Delete	When Section Placement is changed or removed and saved on a section.
Delete	When the Local Course Number or Term type Override is changed.

School Exclude, Calendar Exclude, Resource Toggle and Resync Logic

This table describes the School Exclude, Calendar Exclude, Resource Toggle and Resync logic of this object.

Action	Trigger
None	If a resource is toggled to 'OFF' after data has sent, all sent data will remain in the ODS but no new data will send.
Delete	If a resource is toggled to 'OFF" after data has sent and an action is performed that would trigger a delete, that data will remain in the ODS until a resync is done.

Action	Trigger
Resync	If a record is in the Ed-Fi Identity Mapping table and not in the ODS, it will be deleted from the Ed-Fi Identity Mapping table.
Resync	If a record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it will be deleted from the ODS.
Resync	If a mapping is changed in Resource Preferences, a resync will need to be done to reflect the changes.

Natural Key Changes, Cascading Updates, and Deletes Logic

This table describes the Natural Key Changes/Cascading Updates and Deletes logic of this object.

Action	Trigger
Post/Delete	Natural Key Changes: • If the School ID changes, all data will remain under the old number and a resync will need to be completed to populate data under the new number. The delete tool would need to be used to remove all data from the old School ID.
Post/Delete	If any of the following changes in the Course Offerings resource: • Local Course Code • Session Name
Post/Delete	If the natural key changes all dependent data will delete/post.
Dependent Resources	Staff Section Associations, Student Section Associations, Student Section Attendance Events, Grades.

Scope Year Logic

This table describes scope year logic of this object.

Logic
Sections will report to the configured year to which they are aligned.
Data will only send for years that have valid configuration.

Resource Preferences

This table describes the Resource Preferences of this object.

Data Element Label	Mapping Needed
Instructional Setting	Educational Environment Types

Event Queue Detail

This table describes the Event Queue Detail of this object.

Campus Table	Ed-Fi Action	Fields
section	Post/Put/Delete	The primary table used for sending data for this resource.
course	Put	Educational Environment Descriptor Sequence of Course
gradingTaskCredit	Put	Available Credits

Object Data Elements

This table describes data elements sent within the Sections resource.

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
id	The unique identifier of the resource.		M		
sectionIdentifier	The local identifier assigned to a section.	Reports the section ID of the section being reported.	M	Course > Section	section.sectionI
courseOffering Reference	A reference to the related CourseOffering resource.	Reports the fields that are part of the Natural Key for the Course Offering resource.	M		
locationReference	A reference to the related Location resource.	This is optional, does not report.	O		
locationSchool Reference	A reference to the related School resource.	Reports the fields that are part of the Natural Key for the School resource.	M		
availableCredit Conversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	This is optional, does not report.	O		
availableCredits	Credits or units of value awarded for the completion of a course.	This is optional, does not report.	O	Course> Grading Tasks> Credit	gradingTaskCre Credit
availableCredit TypeDescriptor	The type of credits or units of value awarded for the completion of a course.	This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field

characteristics	Reflects important characteristics of the Section, such as whether or not attendance is taken and the Section is graded.	1. Report 'MA' (marking period) if either "Attendance" or "Positive Attendance" are selected on the Course editor tied to the section.
		  ○ Otherwise do not report
		2. Report 'FP' (fixed period) if the section is scheduled into a period in Section.Schedule Placement
		  ○ Otherwise do not report.
		3. Report 'VI' (virtual indicator) if "Online Learning (Override)" is marked as "Yes" on the Section level.
		  ○ If "Online Learning (Override)" is NULL on the section level, check the "Online Learning" on the Course level. If it is marked "Yes", then also report 'VI'.
		    ■ Otherwise do not report..
			M	Course > Attendance
				
				Course > Positive Attendance
				
				Course > Online Learning
				
				Course > Section > Online Learning (Override)
					Course.attendance
					
					Course.unitAttendance
					
					Course.distanceCode
					
					Section.distanceCode

classPeriods	The class period during which the Section meets.	This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
courseLevel Characteristics	The type of specific program or designation with which the section is associated (e.g., AP, IB, Dual Credit, CTE). This collection should only be populated if it differs from the Course Level Characteristics identified at the Course Offering level.	This is optional, does not report.	O		
classPeriods	An unordered collection of sectionClassPeriods. The class period during which the Section meets. classPeriodReference • classPeriodName • schoolId	classPeriodname: 1. Report the Period Schedule Name + Period Name + Schedule Structure ID. ○ Report a space between each value. schoolId: 1. Reports the fields that are part of the Natural Key for the Schools resource.	M	classPeriodname: System Administration> Calendar> Calendar> Periods schoolId: System Administration> Calendar> Calendar> Schedule Structure System Administration > Resources > School > State School Number	periodschedule.name period.name schedulestructu structureID school.number
educational Environment Descriptor	The setting in which a child receives education and related services; for example: Center-based instruction Home-based instruction Hospital class Mainstream Residential care and treatment facility.	This is optional, does not report.	O	Course > Section > Instructional Setting	section. instructional Setting

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
instruction Language Descriptor	The primary language of instruction, if omitted English is assumed.	Report the Language from the Instruction Language saved on the Course record. 1. Look for a mapping saved to the Language Descriptor Override section in preferences. If there is a mapped value, report that mapping. 2. If an override is not there, look to see if the language standard code matches an Ed-Fi code, if yes report that value 3. Report default value if saved on the Attribute and the standard code matches an Ed-Fi code 4. Else, report NULL	C	Course > Instruction Language	Course.instructi Language / CustomCourse. value
mediumOf Instruction Descriptor	The media through which teachers provide instruction to students and students and teachers communicate about instructional matters; for example: Technology-based instruction in classroom Correspondence instruction Face-to-face instruction Virtual/On-line Distance learning Center-based instruction.	1. Report the mapped value, if it exists. 2. Otherwise do not report.	M	Course > Instruction Method / EE Location	Course.teachin Method

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
instructional DeliveryMode Descriptor	The delivery mode of instruction. E.g, On-ground, Online, etc.	1. If Section > "Online Learning" <> NULL, Report the mapped value, if it exists. 2. If Section > "Online Learning" is either NULL or unmapped, check to see if Course > "Online Learning" <> NULL, and if so, report the mapped value if it exists . ◦ Otherwise do not report.	C	Course > Online Learning Section > Online Learning	Course.distance Code/Section. distanceCode
offeredGrade Levels	The grade levels in which the section is offered. This collection should only be populated if it differs from the Offered Grade Levels identified at the Course Offering level.	1. This is optional, does not report.	O		
population Served Descriptor	The population for which the course was designed; for example: Bilingual students Remedial education students Gifted and talented students Career and Technical Education students Special education students.	1. This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Fiel
programs	An unordered collection of sectionPrograms. This educational entity represents a setting in which organized instruction of course content is provided to one or more students for a given period of time. A course may be offered to more than one class/section. Instruction, provided by one or more teachers or other staff members, may be delivered in person or via a different medium.	1. This is optional, does not report.	O		
sequenceOf Course	When a section is part of a sequence of parts for a course, the number if the sequence. If the course has only onle part, the value of this section attribute should be 1.	1. Report the value selected in the SCED Sequence "Part n" field. 2. If NULL, report '1'.	M		
etag	A unique system-generated value that identifies the version of the resource.	1. This is optional, does not report.	O		

Type/Descriptor

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