Tennessee Ed-Fi Data v3.1 - Sections

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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. • One 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. • Section must be tied to a course that has State Code = NOT NULL.
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 Type Override, Teaching Method Override or Advanced Academics is changed and saved on a section. • When the Type, Teaching Method or Advanced Academics is changed and saved on a course. • When the instruction checkbox on a day is changed. • When a section term assignment is changed.
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 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.
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.

Action	Trigger
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.

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.sectionID
courseOfferingReference	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.	Reports the fields that are part of the Natural Key for the Locations resource.	O		
locationSchoolReference	A reference to the related School resource.	Reports the fields that are part of the Natural Key for the School resource.	M		
availableCreditConversion	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	gradingTaskCredit.Cr
availableCreditTypeDescriptor	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	This descriptor defines characteristics of a section, such as whether attendance is taken and the section is graded.	This is optional, does not report.	O		
classPeriods	The class period during which the Section meets.	See array section for logic.	O		
courseLevelCharacteristics	he 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		
educationalEnvironmentDescriptor	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.	1. Report mapped Ed-Fi Code of Type Override. 2. If NULL, report Type. 3. If both NULL, do not report field.	O	Course > Type Course > Section > Type Override	
instructionLanguageDescriptor	The primary language of instruction, if omitted English is assumed.	This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
mediumOfInstructionDescriptor	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 mapped Ed-Fi Code of Teaching Method Override from section. 2. If NULL, report Teaching Method from course. 3. If both NULL, do not report field.	O	Course > Teaching Method Course > Section > Teaching Method Override	
offeredGradeLevels	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.	This is optional, does not report.	O		
populationServedDescriptor	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.	This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
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.	This is optional, does not report.	O		
courseLevelCharacteristics / courseLevelCharactersticsDesriptor	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.	1. Report mapped Ed-Fi Code of Advanced Academics from section. 2. If NULL, report Advanced Academics from course. 3. If both NULL, do not report field.	O	Course > Advanced Academics Course > Section > Advanced Academics	

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
sectionMeetingDates	This list should contain the actual complete meeting schedule for this section. This list should be dynamic and trigger updates due to changes in daily scheduling and calendar as the school year progresses. This list will allow us to accomplish a more accurate assessment of instructional minutes spent in class, which classes are actually impacted by school absences, which classes are actually impacted by section absences, and the actual total number of section meeting times for statistical analysis. The calendar Reference allows cross validation against the instructional days on the associated calendar.	Report all days marked as Instruction within the terms assigned for the section.	M		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
sectionMeetingDays	This list replaces the 031 records for EIS and would contain the days of the week, the number of instructional minutes on that day, and the period on which the class meets (if more than one, the first occurring). In the case when the actual schedule varies from week to week, this will contain a synthetic weekly schedule that takes the average values of a rotating schedule.	Reports Monday, Tuesday, Wednesday, Thursday, and Friday. • Do NOT report Saturday or Sunday.	M		
_ext.tdoe.submittedFor SchoolYearTypeReference. schoolYear	Indicates the school year for which the record is reporting.	Using the End Date tied to the calendar, report the year.	M		
_ext.tdoe.submittedBy EducationOrganization Reference.education OrgnizationID	The identifier assigned to an education organization.	Populate State District Number + State School Number.	M		
_ext.tdoe.postSecondary InstitutionReference.post SecondaryInstitutionId	For Statewide Dual Credit, Local Dual Credit, or Dual Enrollment.	Report Post Secondary Instituition ID from Section If NULL, do not report this field.	O	Scheduling > Course > Section > Post Secondary Instituition ID	
ext.tdoe.eisLocalClassNumber	The Local Class Number value that is being sent to EIS, used only for cross database validation.	Reports Course Number + Section Number	O	Scheduling > Course > Section	

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
sequenceOfCourse	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.	This is optional, does not report.	O		
etag	A unique system-generated value that identifies the version of the resource.	This is optional, does not report.	O		

Arrays

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Section Meeting Dates

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

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

IC Field	JSON Field	Logic
Instructional Program Number	calendarCode	If Instructional Program Number equals null or blank, populate "99" Else Populate Instructional Program Number Format: 2 character left zero padded integer.
State School Number / State District Number	schoolId	District Number + School Number.
End Year	schoolYear	Populate the End Year of the school year tied to the configured year.

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab Field
meetingDate	Actual date on which class has met/will meet.	Reports date of instruction.	M		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
totalInstructionalMinutes	Number of instructional minutes the class meets on this date. If the class meets more than one period, the total of all periods that the class meets on that date.	Reports total period time section meets on this instructional day. SUMs periods assigned to the section for the period schedule on that day.	M		
classPeriodsReference	The class period(s) the section meets on this date	Reports reference key to the associated class period(s).	M		

Section Meeting Days

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
weekdayDescriptor		Reports Ed-Fi Code value of weekdayDescriptor.	M		
instructionalMinutes		Report (Aggregated Scheduled Period Time / # of period schedules). Round for whole number. This duration calculation exists in the 031 report.	M	Course > Section > Section Schedule Placement System Administration > Calendar > Periods > Start Time, End Time	
assignedPeriod		Using the calendar tied to the Section that is being reported, complete the following logic: Report sequence number of period assigned to the section. If assigned to more than one period, report period mostly assigned for the term.	M	System Administration > Calendar > Periods > Sequence	

Type/Descriptor

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