TN Ed-Fi Suite 3 API v6.2 Data Standard v4.0: Sections

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Summary

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

Action	Business Rule(s)
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 • Do not send if the School Exclude check box is checked When Section Placement is changed and saved on a section
Put	When any fields listed below are changed: • When the 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/Post	When the Local Course Number or Term type is changed
Delete	When a section is deleted When Section Placement is changed or removed and saved on a section

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Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Schools (Preloaded)
- Course Offerings

Dependent Resources (Downstream)

The following resources are dependent on this resource (must be sent after this resource):

- Student Section Associations
- Staff Section Associations
- Grades

Error Log

The following are potential Tier 1 (Ed-Fi API generated) or custom (Campus generated) errors you may receive when posting, updating, or deleting this resource. Please keep in mind that the "Error Message" below may not match your exact error message.

Error Message	Possible Causes / How to Fix

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Object Data Elements

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.
- The Uses Core Template Rules column indicates if the element uses Infinite Campus Core Ed-Fi rules, has been Localized using DOE rules, or the element has been added by a DOE as an Extended Element.

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field	Uses Core Template Logic (Y/N/EXT)
1	**sectionIdentifier** (string)	*The local identifier assigned to a section.* 1. Reports the section ID of the section being reported	M	N/A	section.sectionID	Y
2	**courseOfferingReference** (reference)	*A reference to the related CourseOffering resource* 1. Reports the fields that are part of the Natural Key for the Course Offering resource	M	N/A	N/A	Y
3	locationReference (reference)	*A reference to the related Location resource* 1. Reports the fields that are part of the Natural Key for the Locations resource	M	N/A	N/A	Y

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4	**locationSchoolReference** *(reference)*	*A reference to the related School resource* 1. Reports the fields that are part of the Natural Key for the School resource	M	N/A	N/A	Y
5	availableCredits *(number)*	*Credits or units of value awarded for the completion of a course* 1. Sum the total number of credits from the Grading Tasks on the course 2. Divide by the number of terms the course section occurs	O	Course > Grading Task	gradingTaskCredit. Credit	Y
6	classPeriods / classPeriodReference *(array / reference)*	*An unordered collection of sectionClassPeriods. The class period during which the Section meets.* 1. Reports the fields that are part of the Natural Key for the Class Periods resource	O	Section Schedule Placement		Y

7	educationalEnvironmentDescriptor
	
	 (string)
		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 the Ed-Fi Code value from the mapped Type Override selected on the section.
		    a. If Type Override = NULL, report mapped Ed-Fi code from Type on course.
		       i. If NULL, do not report
			O	Course
				
				 Section
					course.type
					
					 section.classType
						N

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8	mediumOfInstructionDescriptor
	
	(string)
		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
		<hr>1. Report the Ed-Fi Code value from the mapped Teaching Method Override selected on the section.
		  a. If Teaching Method Override = NULL, report mapped Ed-Fi code from Teaching Method on course.
		    i. If NULL, do not report
			O	Course
				
				Section
					course.
					teachingMethod
					
					section.
					teachingMethod
						N

9	officialAttendancePeriod *(boolean)*	*Indicator of whether this section is used for official daily attendance. Alternatively, official daily attendance may be tied to a class period.* <hr>1. Report True if 'Attendance' on course is selected 2. Report False if 'Attendance' on course is deselected	O	Course	course.attendance	Y
10	sequenceOfCourse *(integer)*	*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* <hr>1. Report the value selected in the SCED Sequence "Part n" field. 2. If NULL, report '1'	O	Course	course. scedSequenceNum	Y

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11	courseLevelCharacteristics / courseLevelCharacteristicDescriptor *(array / string)*	*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 a. If NULL, does not report.	O	Section	section. honorsCode	N

12	programs
	
	(array)
		An unordered collection of sectionPrograms. Optional reference to program (e.g., CTE) to which the Section is associated.
		
		 Reports the following data elements in an array for each Program the Section is affiliated with:
		
		 • programReference
		    ○ educationOrganizationId
		      ■ Reports the **Post-Secondary Institution ID** from Section Information.
		        • Does not report a record for the Program when Post-Secondary Institution ID is NULL.
		    ○ programName
		      ■ Reports based on the below table.
			C	Course
				
				 Section
					Course . honorsCode
					
					 Section . honorsCode
					
					 CustomSection . value
						N

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○ programTypeDescriptor
  ▪ Reports based on the below table:

Program Name	Program Type Descriptor	Logic
Local Dual Credit	Local Dual Credit	Reports when the Section **OR** Course Information has an Advanced Academics value of *DC: Local Dual Credit*.
Dual Enrollment	Dual Enrollment	Reports when the Section **OR** Course Information has an Advanced Academics value of *DE: Dual Enrollment*.

13	populationServedDescriptor *(string)*	1. This is optional, does not report	O	N/A	N/A		Y

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14	offeredGradeLevels (array)	1. This is optional, does not report	O	N/A	N/A	Y
15	instructionLanguageDescriptor (string)	1. This is optional, does not report	O	N/A	N/A	Y
16	courseLevelCharacteristics (array)	1. This is optional, does not report	O	N/A	N/A	Y
17	characteristics (array)	1. This is optional, does not report	O	N/A	N/A	Y
18	availableCreditTypeDescriptor (string)	1. This is optional, does not report	O	N/A	N/A	Y
19	availableCreditConversion (number)	1. This is optional, does not report	O	N/A	N/A	Y
20	sectionCharacteristics	1. This is optional, does not report				

Data Validation Report (Ed-Fi Sections Validations)

This report will return the following validations (Reporting > Data Validation > Data Validation Report):

- Sections must have an educational environment type
- Sections that are not Pull Out must have a meeting time duration

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