GA Ed-Fi Suite v3.6.1, 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 Logic

Action	Business Rule(s)

Post	When a section is created **OR** When a Section Student Detail record is created with a Course State Code Override that is different than the associated course's State Code.
	
	• Do not report a record if the any of the following exclusions are present:
	  ○ Course is inactive (Active is unchecked)
	  ○ Course State Exclude
	  ○ Course State Code is NULL
	  ○ Calendar Exclude
	  ○ School Exclude
	• The section must be scheduled into a term/period (Section Placement) to report.
	• A record will be posted for each unique term the section is scheduled in.
	• Section records will exist for **BOTH** the original and override state codes (if entered).

Delete /Post Put	A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.
	
	 • When the following information is changed on the Course:
	   ○ State Code
	   ○ Online Learning
	   ○ Alt School Code
	   ○ Alt System Code
	   ○ Active
	   ○ State Exclude
	   ○ Grading Task Credits
	 • When the following information is changed on the Section:
	
	   ○ Section ID (New Section)
	   ○ Section Placement (Terms Offered)
	   ○ Online Learning (Override)
	   ○ Immersion Language
	   ○ Alt School Code
	   ○ Alt System Code
	 • When the following information is changed on Section Student Detail:
	
	   ○ Course State Code Override
	 • When the following information is changed on Staff History:
	   ○ Staff History ID (New Staff History)
	   ○ Role

Delete	• When the terms the section is offered in are changed or removed. • When the section is deleted. • When the Section Student Detail record that has a Course State Code Override is deleted. • When the Course State Code Override on a Section Student Detail record is changed or removed.

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Course Offerings
- Locations
- Class Periods

Dependent Resources (Downstream)

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

- Staff Section Associations
- Student Section Associations

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

Object Data Elements Logic

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.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✅ / ❌ / EXT)
1	**sectionIdentifier** (*string*)	*The local identifier assigned to a section.* Reports the **Section ID**.	M	Section	Section.sectionID	✅
2	**courseOfferingReference** (*reference*)	*A reference to the Course Offerings resource associated with the Section being reported.* Reports the fields that are part of the Natural Key for the Course Offerings resource.	M	N/A	N/A	✅
3	availableCredits (*number*)	*The value of credits or units of value awarded for the completion of a course.* Report the result of the following calculation: - Total Credits (from all Grading Tasks on the Course) / Number of Terms the Section occurs.	C	Course Master	GradingTaskCredit. credit	✅

4	characteristics	*An unordered collection of sectionCharacteristics. Reflects important characteristics of the section, such as whether or not attendance is taken and the section is graded.*
		
		Reports the below data elements in an array:
		
		• sectionCharacteristicDescriptor
		  ○ Reports **Y** if:
		    ■ Section Online *Learning (Override)* is set to "Y: Yes" **OR**
		    ■ Course *Online Learning* is set to "Y: Yes" **OR**
		    ■ Course *State Code* has a "3" after the decimal.
		      • Example 10.**3**230000
		  ○ Reports **N** in all other situations.
			M	Course
				
				Section
					Course. distanceCode
					
					Section. distanceCode
						❌

5	classPeriods (*array*)	*A reference to the Class Periods resource associated with the Section being reported.* Reports the fields that are part of the Natural Key for the Class Periods resource for all class periods the section is offered in.	M	N/A	N/A	✅
6	instructionLanguageDescriptor (*string*)	*The primary language of instruction. If omitted, English is assumed.* Reports the Ed-Fi Code mapped to the value selected for **Immersion Language**. • If NULL, do not report.	M	Section	Section. immersionLanguage	❌

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7	sectionName (*string*)	*A locally-defined name for the section, generally created to make the section more recognizable in informal contexts and generally distinct from the section identifier.* Report the **Section Number** • If the Section Number is less than 3 digits, 0-pad it from the left to make it 3 digits long. • If the Section Number is more than 3 digits, report the last 3 digits.	M	Section	Section.number	❌
8	alternateEducationOrganizationId (*number*)	*Indicates Concurrent enrollment system* Report if both **Alt School Code** and **Alt System Code** are populated on the Section. • If Section is empty, report if both Alt School Code and Alt System Code are populated on Course. • Else, do not report.	C	Course Section	Course. altStateCode Course.specialCode Section. altSchoolCode Section. altSystemCode	EXT

9	classPeriodNumber (*string*)	*Indicates Class period Number* Reports the lowest **Sequence** of the class periods the section is scheduled into. • Example: If the section is scheduled into a class period with the sequence of "5" and "6", it will report "05". • The format for this data element will always be **##**. ○ If the Sequence is "3" in Campus, it should send as "03".	M	Section	SectionPlacement. periodID	EXT
10	locationReference	This is optional, does not report.	O	N/A	N/A	N/A
11	locationSchoolReference	This is optional, does not report.	O	N/A	N/A	N/A
12	availableCreditConversion	This is optional, does not report.	O	N/A	N/A	N/A
13	availableCreditTypeDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
14	characteristics	This is optional, does not report.	O	N/A	N/A	N/A
15	courseLevelCharacteristics	This is optional, does not report.	O	N/A	N/A	N/A
16	educationalEnvironmentDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
17	mediumOfInstructionDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
18	offeredGradeLevels	This is optional, does not report.	O	N/A	N/A	N/A
19	officialAttendancePeriod	This is optional, does not report.	O	N/A	N/A	N/A
20	populationServedDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
21	programs	This is optional, does not report.	O	N/A	N/A	N/A
22	sequenceOfCourse	This is optional, does not report.	O	N/A	N/A	N/A

23	description	This is optional, does not report.	O	N/A	N/A	N/A
24	levelDetail	This is optional, does not report.	O	N/A	N/A	N/A
25	markingPeriods	This is optional, does not report.	O	N/A	N/A	N/A
26	subjectAreas	This is optional, does not report.	O	N/A	N/A	N/A

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Appendix

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