

DE Ed-Fi Suite v3.6.2, 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 Logic

Action	Business Rule(s)
Post	<p>Reports a record when a section is created.</p> <ul style="list-style-type: none"> • Do not report a record if the any of the following exclusions are present: <ul style="list-style-type: none"> ○ 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.

<p>Delete /Post</p> <p>Put</p>	<p>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.</p> <ul style="list-style-type: none"> • When any of the following fields on Course are changed: <ul style="list-style-type: none"> ◦ State Code ◦ State Exclude ◦ Active • When any of the following fields on Course Grading Tasks are changed: <ul style="list-style-type: none"> ◦ Credit • When any of the following fields on Section are changed: <ul style="list-style-type: none"> ◦ Section ID (New Section) ◦ Section Placements (Terms Section is Scheduled Into) ◦ Average Pass Time Minutes Per Week ◦ Average Minutes Per Week
<p>Delete</p>	<ul style="list-style-type: none"> • When the terms the section is offered in are changed or removed. • When the section is deleted.

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 (<i>string</i>)	<i>The local identifier assigned to a section.</i> <hr/> Reports the Section ID .	M	Section	Section.sectionID	✓
2	courseOfferingReference (<i>reference</i>)	<i>A reference to the Course Offerings resource associated with the Section being reported.</i> <hr/> Reports the fields that are part of the Natural Key for the Course Offerings resource.	M	N/A	N/A	✓
3	locationReference (<i>reference</i>)	<i>A reference to the Locations resource associated with the Section being reported.</i> <hr/> Reports the fields that are part of the Natural Key for the Locations resource.	C	N/A	N/A	✓

4	availableCredits (number)	<p><i>The value of credits or units of value awarded for the completion of a course.</i></p> <hr/> <p>Reports the result of the following calculation:</p> <ul style="list-style-type: none"> Total Credits (from all Grading Tasks on the Course) / Number of Terms the Section occurs. 	C	Course Master	GradingTaskCredit.credit	✓
5	classPeriods (array)	<p><i>A reference to the Class Periods resource associated with the Section being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Class Periods resource for all class periods the section is offered in.</p>	M	N/A	N/A	✓
6	averagePassTimeMinutesPerWeek (string)	<p><i>Indicates the number of times allowed in the hall per week for the course.</i></p> <hr/> <p>Reports the Average Pass Time Minutes Per Week.</p>	M	Section	Section.avgPassTimeMinutesWeek	EXT
7	fractionOfYearOffered (string)	<p><i>The fraction of a year for the Coop or DO student (i.e. 1.0 for full year, .50 for half year).</i></p> <hr/> <p>Reports the result of the following calculation to the hundredths decimal:</p>	M	Section	SectionPlacement.termID Term.termScheduleID	EXT

- Determines the total number of Term Schedules the Section is offered in.
- Determines the total number of Terms within each of the Term Schedules and the total number of Terms within each of the Term Schedules the Section is scheduled in.
- Performs this calculation for each unique Term Schedule the Section is offered in:
 - Total Number of Section's Scheduled Terms within Term Schedule / Total Number of Terms within Term Schedule
- Reports the **Largest Result** of the above calculation(s).
 - Usually there will only be one unique Term Schedule.
 - Sometimes a Section is offered in multiple Term Schedules and the result of the above calculations can be different.
 - Because we can only report one number, we report the largest result of those calculations.

8	minutesPerWeekAverage (string)	<p>Indicates the minutes per week the course meets.</p> <hr/> <p>Reports the Average Minutes Per Week.</p>	M	Section	Section.avgMinutesWeek	EXT
9	unitCountExceptionSchoolReference (reference)	<p>A reference to the Schools resource associated with the Section being reported.</p> <hr/> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> • schoolId <ul style="list-style-type: none"> ○ Reports the Unit Count Exception School EdFi ID. ○ Does not report if NULL. 	C	School Information	School.exceptionSchoolEdFiID	EXT
10	locationSchoolReference	This is optional, does not report.	O	N/A	N/A	N/A
11	availableCreditConversion	This is optional, does not report.	O	N/A	N/A	N/A
12	availableCreditTypeDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
13	characteristics	This is optional, does not report.	O	N/A	N/A	N/A
14	courseLevelCharacteristics	This is optional, does not report.	O	N/A	N/A	N/A
15	educationalEnvironmentDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
16	instructionLanguageDescriptor	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	sectionName	This is optional, does not report.	O	N/A	N/A	N/A
23	sequenceOfCourse	This is optional, does not report.	O	N/A	N/A	N/A
24	description	This is optional, does not report.	O	N/A	N/A	N/A
25	levelDetail	This is optional, does not report.	O	N/A	N/A	N/A
26	markingPeriods	This is optional, does not report.	O	N/A	N/A	N/A
27	subjectAreas	This is optional, does not report.	O	N/A	N/A	N/A

Appendix