

# Student Education Organization Assessment Accommodations Resource (Indiana v3.6)

Last Modified on 12/23/2024 12:29 pm CST

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This association represents student information specific to a student’s assessment accommodations.

## Object Triggering Logic

This table describes the logic for triggering the syncing of this object.

Action	Trigger
Post	<p>When a Test Accommodation is created and saved for a person and the Accommodation dates overlap a configured year:</p> <ul style="list-style-type: none"> <li>Do not send a record if the enrollment is in a calendar marked as State Exclude.</li> <li>Do not send a record if enrollment is in a School marked as State Exclude.</li> <li>Do not send a record if the No Show checkbox is marked on the enrollment.</li> <li>Do not send a record if the current date is prior to the start date of the test accommodation.</li> <li>Do not send a record if the current date is after the end date of the test accommodation.</li> </ul>
Put	<p>When any student data is edited for the person in the Data Elements fields below.</p> <p>Test setup information:</p> <ul style="list-style-type: none"> <li>Name</li> <li>Test Accommodations Eligible</li> </ul> <p>Test accommodations information:</p> <ul style="list-style-type: none"> <li>Assessment</li> <li>Subject</li> <li>Test Accommodations</li> <li>Start Date</li> <li>End Date</li> </ul>
Delete	This record will delete if the student no longer has an eligible test accommodation in the District.
Delete	This record will delete if the enrollment is marked as a No Show.

## Resource Toggle and Resync Logic

Action	Business Rule
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.
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

Action	Business Rule
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Action	Business Rule
Post/Delete	<p>Natural Key Changes</p> <ul style="list-style-type: none"> <li>• If the District Number/Ed-Fi District Number changes, a delete/post will occur with the cascading deletes from the LEA ID Change triggers.</li> <li>• If an Ed-Fi ID changes, a delete/post will occur with the cascading deletes from the Ed-Fi ID Change trigger.</li> </ul>
Delete	Cascading Deletes: N/A - no dependent resources

## Scope Year Logic

Logic
<p>A record reports when a Test Accommodations record is created and saved that is aligned to a scoped year</p> <ul style="list-style-type: none"> <li>• The Test Accommodation must overlap with the scope year to report.</li> <li>• Data sends for the years that have valid configuration.</li> </ul>
<p>When using data in Campus that has a single date, the following logic will be applied to determine the scope year(s) to report the data to:</p> <ul style="list-style-type: none"> <li>• Current Year: Records will be compared to today's date to determine if the record is eligible to report.</li> <li>• Previous Years: The record's date must be on or before the schools year's end date defined in the School Years editor. If blank, the default date of 6/30/xxxx is used.</li> <li>• Future Years: The record's date must be on or after the schools year's start date defined in the School Years editor. If blank, the default date of 7/01/xxxx is used.</li> </ul>
<p>When using data in Campus that have start and end dates, the following logic will be applied to determine the scope year(s) to report the data to:</p> <ul style="list-style-type: none"> <li>• Current Year: The records start date must be on or before today's date and the records end date must be on or after today's date.</li> <li>• Previous Years: The record's start date must be on or before the school year's end date and the record's end date must be after the school year's end date defined in the School Years editor. If blank, the default date of 6/30/xxxx is used.</li> <li>• Future Years: The record's start date must be on or before the schools year's start date and the record's end date must be on or after the school year's start date defined in the School Years editor. If blank, the default date of 7/01/xxxx is used.</li> </ul>

## Identity Mapping Object Key

campusObjectType	Object Key Data Source
Person	personID

## Error Log

Error	Possible Causes / How to Resolve
"Assessment and Accommodation are not a valid combination."	<p>IDOE has specific accommodations per assessment. If this error is generated, the Assessment the student is reporting has an invalid accommodation.</p> <ol style="list-style-type: none"> <li>1. Verify that the Accommodation is a valid selection for the Assessment on the student's record.</li> <li>2. If not valid, change to a valid accommodation and resync.</li> <li>3. If you believe it is valid, please contact IDOE for further assistance.</li> </ol> <p><a href="#">Assessment Accommodation Valid Combinations</a>            Provided by the IDOE as of 8/2/2022. Please be aware this may not be up to date, but it serves as a good starting point.</p>

## Object Data Elements

This table describes data elements sent within the Student Education Organization Assessment Accommodations resource. Data Element Labels in **bold** are part of the Natural Key and are required for Data to send to Ed-Fi.

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
<b>id</b>	The unique identifier of the resource.		M	
<b>assessmentReference</b>	Reference to the assessment.	See the array/reference data elements section below.	M	
<b>educationOrganizationReference</b>	A reference to the related Education Organization resource.	See the array/reference data elements section below.	M	
<b>studentReference</b>	A reference to the Student.	See the array/reference data elements section below.	M	
<b>academicSubjectDescriptor</b>	This descriptor holds the description of the content or subject area (e.g., arts, mathematics, reading, stenography, or a foreign language).	Reports the subject indicated on the assessment under Test Accommodations	M	Student Information > General > Test Accommodations > Subject  testAccommodation.Subject
<b>accommodationDescriptor</b>	Defines variations used in how an assessment is presented or taken.	Reports the test accommodation.	M	Student Information > General > Test Accommodations > Test Accommodations  testAccommodation.testAccommodation
<b>_etag</b>	A unique system-generated value that identifies the version of the resource.	N/A	M	

## Array/Reference Data Elements

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### References

Reference	Business Rules	Example	Location
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Reference	Business Rules	Example	Location
EducationOrganizationReference	<p>Reports the Education Organization for the student 10+District+School</p> <ul style="list-style-type: none"> <li>If multiple keys and secrets (multiple connections), reports from 'District Number' on the connection credentials for each connection made.</li> </ul>	<pre>"educationOrganizationReference": {   "educationOrganizationId": 0,   "link": {     "rel": "string",     "href": "string"   } }</pre>	<p>Combinati District Nu School Nu</p> <p>System Administra Resources State Sch</p> <p>System Administra Resources Info &gt; Stat Number</p> <p>If multiple Connection</p> <ol style="list-style-type: none"> <li>1. Repo from Admi Ed-Fi Confi Conn Distri</li> <li>2. Repo from Admi Resou Schor Schor</li> </ol> <p>school.sch district.dis</p>
StudentReference	<p>Reports the student's Ed-Fi ID.</p>	<pre>"studentReference": {   "studentUniqueId": "string",   "link": {     "rel": "string",     "href": "string"   } }</pre>	<p>Census &gt; Demograp ID</p> <p>person.edl</p>

Reference	Business Rules	Example	Location
assessmentReference	<ul style="list-style-type: none"> <li>• assessmentIdentifier               <ul style="list-style-type: none"> <li>◦ Reports Assessment on Student Info&gt; General&gt; Test Accommodations&gt; Assessment                   <ul style="list-style-type: none"> <li>▪ Any Test with a state test containing 'ILEARN' will report as 'ILEARN'</li> <li>▪ Any Test with a state test containing 'I AM' or 'ISTAR' will report as 'I AM'</li> <li>▪ Any Test with a state test containing 'IREAD' will report as 'IREAD-3'</li> <li>▪ Any Test with a state test containing 'WIDA' will report as 'WIDA'</li> </ul> </li> </ul> </li> <li>• namespace               <ul style="list-style-type: none"> <li>◦ Reports the namespace for the assessment                   <ul style="list-style-type: none"> <li>▪ Any Test with a state test containing 'ILEARN' will report as 'uri://ed-fi.org/assessments/ilearn'</li> <li>▪ Any Test with a state test containing 'I AM' or 'ISTAR' will report as 'uri://ed-fi.org/assessments/iam'</li> <li>▪ Any Test with a state test containing 'IREAD' will report as 'uri://ed-fi.org/assessments/iread3'</li> <li>▪ Any Test with a state test containing 'WIDA' will report as 'uri://ed-fi.org/assessments/wida'</li> </ul> </li> </ul> </li> </ul>	<pre>"assessmentReference": {   "assessmentIdentifier":   "string",   "namespace": "string",   "link": {     "rel": "string",     "href": "string"   } }</pre>	

## Type/Descriptors

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### Academic Subject Descriptor

Code Value	Description	Namespace	Short Description
01	English Language and Literature is the intended major subject area of the education course.	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	English Language and Literature
02	Mathematics is the intended major subject area of the education course.	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	Mathematics
03	Life and Physical Sciences is the intended major subject area of the education course.	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	Life and Physical Sciences

Code Value	Description	Namespace	Short Description
04	Social Sciences and History is the intended major subject area of the education course.	<a href="http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml">http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml</a>	Social Sciences and History
05	Visual and Performing Arts is the intended major subject area of the education course.	<a href="http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml">http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml</a>	Visual and Performing Arts
06	Foreign Language and Literature is the intended major subject area of the education course.	<a href="http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml">http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml</a>	Foreign Language and Literature
07	Religious Education and Theology is the intended major subject area of the education course.	<a href="http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml">http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml</a>	Religious Education and Theology
08	Physical, Health, and Safety Education is the intended major subject area of the education course.	<a href="http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml">http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml</a>	Physical, Health, and Safety Education
09	Military Science is the intended major subject area of the education course.	<a href="http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml">http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml</a>	Military Science
10	Information Technology is the intended major subject area of the education course.	<a href="http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml">http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml</a>	Information Technology
11	Communication and Audio / Visual Technology is the intended major subject area of the education course.	<a href="http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml">http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml</a>	Communication and Audio / Visual Technology
12	Business and Marketing is the intended major subject area of the education course.	<a href="http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml">http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml</a>	Business and Marketing
13	Manufacturing is the intended major subject area of the education course.	<a href="http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml">http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml</a>	Manufacturing
14	Health Care Sciences is the intended major subject area of the education course.	<a href="http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml">http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml</a>	Health Care Sciences
15	Public, Protective, and Government Service is the intended major subject area of the education course.	<a href="http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml">http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml</a>	Public, Protective, and Government Service

Code Value	Description	Namespace	Short Description
16	Hospitality and Tourism is the intended major subject area of the education course.	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	Hospitality and Tourism
17	Architecture and Construction is the intended major subject area of the education course.	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	Architecture and Construction
18	Agriculture, Food, and Natural Resources is the intended major subject area of the education course.	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	Agriculture, Food, and Natural Resources
19	Human Services is the intended major subject area of the education course.	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	Human Services
20	Transportation, Distribution and Logistics is the intended major subject area of the education course.	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	Transportation, Distribution and Logistics
21	Engineering and Technology is the intended major subject area of the education course.	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	Engineering and Technology
22	Miscellaneous is the intended major subject area of the education course.	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	Miscellaneous
23	Non-Subject-Specific is the intended major subject area of the education course.	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	Non-Subject-Specific
24	World Languages is the intended major subject area of the education course.	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	World Languages
25	Biology	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	Biology
26	U.S. Government	http://doe.in.gov/Descriptor/AcademicSubjectDescriptor.xml	U.S. Government

## Accommodation Descriptors

Code Value	Description	Namespace
AOR	Access to Own Resources	http://doe.in.gov/Descriptor/AccommodationDescriptor.xml
AB	Additional Breaks	http://doe.in.gov/Descriptor/AccommodationDescriptor.xml
AIR	Alternative Indication of Response	http://doe.in.gov/Descriptor/AccommodationDescriptor.xml
AGL	Arabic Glossary	http://doe.in.gov/Descriptor/AccommodationDescriptor.xml

Code Value	Description	Namespace
AT	Audio Transcripts	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
BD	Bilingual Dictionary	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
BRL_UEB_CTR	Braille Booklet - UEB and/or UEB with Nemeth Contracted, Standard for All Grades	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
BRL_UEB_UCTR	BrailleBook - UEB and/or UEB w/Nemeth Uncontracted	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
BGL	Burmese Glossary	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
CAL_HH_ALL	Calculator (Adaptive/Handheld) for all Sections	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
CAL_OL_ALL	Calculator (online calculator for all items)	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
CC	Closed Captioning	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
E_STT	Embedded Speech to Text	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
E_WP	Embedded Word Prediction	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
EX_IEP	Exemption based on IEP Case Conference Committee	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
EX_ILP	Exemption based on ILP team decision	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
EX_RTN	Exemption based on retained twice prior to fourth grade	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
ET	Extra Time	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
HOH	Hard of Hearing	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
HR_XRD	Human Reader (except items testing reading comprehension)	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
HR_ALL	Human Reader (including items measuring reading comprehension)	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
HC	Hundreds Chart	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
IT	Individual Testing	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
LPP	Large Print Paper	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
M	Mandarin Glossary	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
MT	Multiplication Table	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
ASL	Online American Sign Language (ASL) Video	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
BRL_ONL	Online Refreshable Braille / Embosser	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
PB	Print Booklet	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
PM	Permissive Mode	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
PD	Print On Demand	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
RAS	Read Aloud to Self	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
SCR	Scribe	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>



Code Value	Description	Namespace
SLI_XRD	Sign Language Interpreter except items testing reading comprehension	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
SLI_ALL	Sign Language Interpreter including items testing reading comprehension	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
ST	Spanish - Translation	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
SGL	Spanish Glossary	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
SF	Streamline Format	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
IT	Individual Testing	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
TTS_XRD	Text to Speech (except items testing reading comprehension)	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
TTS_ALL	Text to Speech (including items testing reading comprehension)	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>
VGL	Vietnamese Glossary	<a href="http://doe.in.gov/Descriptor/AccommodationDescriptor.xml">http://doe.in.gov/Descriptor/AccommodationDescriptor.xml</a>