

# **Student School Associations (Arizona 7.1)**

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Object Triggering Logic | Object Data Elements

This association represents the school in which a student is enrolled.

To prepare for summer withdrawal students, districts need to perform a specific setup in order to send the Student School Association resource correctly. Please see <u>Appendix A</u> for further details.

# **Object Triggering Logic**

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	<ul> <li>When a new enrollment is saved for a student. A record reports for each distinct enrollment in a School and Enrollment Start Date where 'State Exclude' is not checked.</li> <li>When a student has two enrollments in the same School, Calendar &amp; Schedule Structure with the same start date, report from the enrollment service type in the following order: <ol> <li>P: Primary Enrollment</li> <li>S: Partial/Ancillary</li> <li>N: Special Ed Services</li> </ol> </li> <li>When an enrollment with a higher priority is deleted, the enrollment with lower priority posts a new record.</li> <li>Do not send records when the Calendar Exclude check box is checked in the calendar the student is enrolled.</li> <li>Do not send records when the School Exclude check box is checked in the calendar the student is enrolled.</li> </ul>
Post	When the start date for an enrollment is changed.  • When an enrollment with a lower priority is changed, data does not send.
Post	When the start status is changed from ZZZ to a different value.
Put	<ul> <li>When an enrollment is updated for a student.</li> <li>When a change is made to the Graduation &gt; NCLB Cohort End Year field.</li> <li>When a student is assigned to a Graduation or CTE Program or the start and/or end dates are modified.</li> <li>When a student's start status is change.</li> <li>When a student's end status is changed.</li> <li>When a student's grade level is changed.</li> <li>When a student's End Action is changed.</li> <li>When a student's School Choice checkbox is checked or unchecked.</li> <li>When a student's Resident District field is changed.</li> <li>When a students Service Type is changed.</li> <li>When the Calendar reference is changed due to a Natural Key update on the Calendars resource.</li> </ul>
Delete	When an enrollment is deleted.  • When a student has two enrollments in the same school for the same start date, records with lower priority do not trigger a delete.
Delete	When the start date of an enrollment is changed.

# **Resource Toggle and Resync Logic**



This table describes the Resource Toggle and Trigger logic of this object.

Action	Business Rule
None	When a resource is toggled to OFF after data has sent, all sent data remains in the ODS but no new data is sent.
Put	When the natural key of the Calendar Reference is changed, a put is done to update the Calendar Reference even when the Student School Association resource is turned OFF.
Resync	When a record is in the Ed-Fi Identity Mapping table and not in the ODS, it is deleted from the Ed-Fi Identity Mapping table.
Resync	When a record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it is deleted from the ODS.
Resync	When a mapping is changed in Resource Preferences, a resync needs 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	Business Rule
Post/Delete	<ul> <li>Natural Key changes:</li> <li>When the School ID changes, all data remains under the old number and a resync needs 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. When an Ed-Fi ID changes, this happens with the cascading deletes from the Ed-Fi ID Change trigger.</li> <li>When the enrollment start date changes, all dependent resources are deleted and reposted. When a dependent resource is turned off, all dependent resources are deleted and not reposted.</li> </ul>
Delete	Cascading Deletes: When the Student School Association is deleted, all dependent resources are deleted.  • Student Parent Associations, Student Education Organization Associations, Student Section Associations, Graduation Plans, Student Program Associations, Student CTE Program Associations, Student Special Education Program Associations, Student Title 1 Part A Program Associations, Student Academic Records, Course Transcripts, Grades, Student Discipline Incident Associations, Discipline Actions, Student Cohort Associations, Student School Attendance Events, Student Section Attendance Events

# **Scope Year Logic**

This table describes scope year logic of this object.

# Logic The record sends to the scope year for the school year the enrollment is associated with. Data only sends for the years that have valid configuration.

#### **Resource Preferences**

This table describes the Resource Preferences of this object.



Data Element Label	Mapping Needed
Entry Type Descriptors	Enrollment Start Status
Exit Withdraw Type	Enrollment End Status
Descriptors	Enrollment Graduation (Year End Status)
	Enrollment End Action
Exit Reason Descriptors	Enrollment Withdrawal Reason
Membership FTE Descriptors	Enrollment School Membership FTE
Membership Type Descriptors	Enrollment Local Service Type
Special Enrollment Descriptors	Enrollment Special Enrollment
Tuition Payer Descriptors	Enrollment Tuition Payer

# **Identity Mapping Object Key**

This table describes the Identity Mapping Object Key of this object.

campusObjectType	<b>Object Key Data Source</b>
Enrollment	enrollmentID

# **Event Queue Detail**

This table describes the Event Queue Detail of this object.

Campus Table	Ed-Fi Action	Fields
enrollment	Post/Put/Delete	The primary table used for sending data for this resource.
person	Post/Delete	Student ID in Student Reference
graduation	Put	Class of School Year Type Reference
programs	Put	Graduation Plan Reference
programparticipation	Put	Graduation Plan Reference

# **Object Data Elements**

This table describes data elements sent within the Student School Association resource.

Data Element	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
id	The unique identifier of the resource.	М	



Data Element	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
entryDate	The month, day, and year on which an individual enters and begins to receive instructional services in a campus. Report the enrollment start dates. When there are enrollments with an end status of ZZZ and a subsequent enrollment with a start status of ZZZ, combine the enrollments and report the earliest start date (where the start status is NOT ZZZ) for the enrollment start date.  The enrollments must be in the same school, grade, and local service type. Also, the enrollment start date must be the next instructional day after the ZZZ end status, or be before or equal to the ZZZ end status.	M	Enrollments > Start Date enrollment.startdate
calendarReference	A reference related to the Calendar resource. Reports the Calendar reference for the calendar in which the student is enrolled that is being reported.  When the Calendar the student is enrolled in is mapped via the EdFi Calendar Override Mapping tool to a different calendar, reference that different calendar	C	Configuration > Resource Preferences > Calendars > Calendar Override Mapping



Data Element	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
classOfSchoolYearTypeReference	The year the student is expected to graduate.  Reports the year selected in Student Information > General > Graduation > NCLB Cohort End Year.  When NCLB Cohort End Year = Null, do not report	С	
graduationPlanReference	A reference to the related GraduationPlan resource.  This is optional, does not report.	0	
schoolReference	A reference to the related School resource.  Reports the fields that are part of the Natural Key for the School resource.	М	
schoolYearTypeReference	The school year the student is being reported in.  Reports the end year of the calendar.	0	
studentReference	A reference to the related Student resource. Reports the reference for the student being reported.  Note: The Ed-Fi ID reports from the Student State ID field.	М	
educationPlans	An unordered collection of studentSchoolAssociation EducationPlans. This association represents the school in which a student is enrolled.  This is optional, does not report.	O	



Data Element	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
employedWhileEnrolled	An individual who is a paid employee or works in his or her own business, profession, or farm and at the same time is enrolled in secondary, postsecondary, or adult education.  This is optional, does not report.	0	
entryGradeLevelDescriptor	The grade level or primary instructional level at which a student enters and receives services in a school or an educational institution during a given academic session.  Reports the Ed-Fi Code from the Grade Level mapping for the grade selected on the student's enrollment.  When a mapping is not available, the record errors.	M	Enrollments > Grade
entryGradeLevelReasonDescriptor	A unique identifier used as Primary Key, not derived from business logic, when acting as Foreign Key, references the parent table.  This is optional, does not report.	0	
entryTypeDescriptor	A unique identifier used as Primary Key, not derived from business logic, when acting as Foreign Key, references the parent table. Reports the Ed-Fi Code Value mapped to the selected Start Status.  When blank, do not report.	0	Enrollments > Start Status  Enrollment.startstatus



Data Element	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
exitWithdrawDate	The month, day, and year of the first day after the date of an individual"s last attendance at a campus (when known), the day on which an individual graduated, or the date on which it becomes known officially that an individual left school. Reports the enrollment end date. When there are enrollments with an end status of ZZZ and a subsequent enrollment with a start status of ZZZ, combine the enrollments and report the latest end date (where the end status is NOT ZZZ) for the enrollment end date.  The enrollments must be in the same school, grade, and local service type. Also, the enrollment start date must be the next instructional day after the ZZZ end status, or be before or equal to the ZZZ end status.	O	Enrollment.enddate  Enrollment.enddate



Data Element	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
exitWithdrawReasonDescriptor	Withdrawal Reasons are a secondary reason for the withdrawal (the primary reason being the Withdrawal Activity Code). Withdrawal Reasons are optional, and does not apply to the great majority of students who withdraw from school prior to the last scheduled day of session.  Reports based on the mapped value indicated in the Ed-Fi mapping tool tied to the attribute dictionary item selected.  When a mapping does not exist, do not report.	С	Enrollments > Withdrawal Reason EnrollmentAZ.withdrawalreason
exitWithdrawTypeDescriptor	A unique identifier used as Primary Key, not derived from business logic, when acting as Foreign Key, references the parent table. Reports the Ed-Fi Code mapped to the End Action. When not populated (null) reports the Ed-Fi Code mapped to the State End Status.  The State End Status is based on the Local End Status selected. Local End Statuses are mapped to the State End Statuses through the Enrollment End Status Setup tool.	С	Enrollments > End Status  Enrollment.endstatus  Enrollments > End Action  Enrollment.endAction



Data Element	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
membershipTypeDescriptor	Membership Type identifies whether a school has primary responsibility for managing a specific student's curriculum or not. The "P" code value allows the reporting of students who are enrolled in a SPED program but not enrolled in a school.  Reports based on the mapped value indicated in the EdFi mapping tool, when it exists, tied to the attribute dictionary item selected.  When a mapping does not exist, do not report.	M	Enrollments > State Reporting Fields > Local Service Type
primarySchool	Indicates whether a given enrollment record should be considered the primary record for a student. When omitted, the default is true.  This is optional, does not report.	0	
repeatGradeIndicator	An indicator of whether the student is enrolling to repeat a grade level, either by failure or an agreement to hold the student back.  This is optional, does not report.	0	
residencyStatusDescriptor	An indication of the location of a persons legal residence relative to (within or outside of) the boundaries of the public school attended and its administrative unit.  This is optional, does not	0	
	This is optional, does not report.		



Data Element	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
schoolChoiceTransfer	An indication of whether students transferred in or out of the school did so during the school year under the provisions for public school choice in accordance with Title I, Part A, Section 1116.  This is optional, does not report.	0	
totalCommunityCollegeEnrolledCredits	The total value of credits for courses at community college.  Reports the value from the 'Total CC CTE Credits' field, when populated.	С	Enrollments > State Reporting Fields > Total CC CTE Credits
totalPlannedInstructionalHours	The planned total number of clock hours for CTED courses.  Reports the value from the Total CTE Hours field, when populated.	С	Enrollments > State Reporting Fields > Total CTE Hours
etag			

# **Arrays**

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# ${\bf local Education Agencies}$

Dat	ta Element	Business Requirement sand Rules	Mandatory, Conditional, or Optional	Location
mei	mbershipResponsibilityDescriptor	Reports '03' (which = Funding)	М	n/a



Data Element	Business Requirement sand Rules	Mandatory, Conditional, or Optional	Location
startDate	The effective date of this FTE value. When the default value is being reported, the enrollment start date reports.  When the first entered value is being reported, the enrollment start date reports.  When a new value from custom student is created, the effective date on the record reports.	M	enrollments > Start Date  or  Enrollments > Effective Date
endDate	The date this CTDS ceased being the student's funded district of residence. When there is a single "split enrollment" record, the Enrollment End Date the record is tied to reports.  When there are subsequent "split enrollment" records, the latest instructional date prior to the next record's Effective Date value reports.	С	enrollments > End Date  or  Enrollments > Effective Date
localEducationAgencyReference	localEducationAgencyld: The identifier assigned to a local education agency.  School Identity Column. Student's District of Residence.  This reports the entity ID for the district selected in the Resident District field. The Entity ID that corresponds with the District selected in the Resident District table reports.	M	Enrollments > Resident DistrictEnrollment.residentDistrict



# membershipFTEs

Data Element Label	Business Requirements and Rules	Mandatory, Conditional, or Optional	Location
fteStartDate	The start date for the Student School Association Membership. When the default value is being reported, report the enrollment start date.  When the first entered value is being reported, report the enrollment start date.  When the value from custom student is being reported, report effective date on the record being reported.	M	Enrollments > Start Date  Enrollment.startdate  Enrollments > Effective Date  customstudent.effectivedate
membershipFTE Descriptor	The ID of the Membership FTE Descriptor.  When the Percent Enrolled field is not NULL, reports based on the mapped value indicated in the EdFi mapping tool, when it exists, tied to the attribute dictionary item selected.  When the Percent Enrolled is NULL, or not NULL but there is no mapped value in the EdFi mapping tool, reports based on the value entered into the default field on the Percent Enrolled attribute.  When Percent Enrolled is NULL, and the default field on the Percent Enrolled attribute is NULL, reports based on a value of '1.00'.	M	Attribute Dictionary > Enrollment > School Membership FTE > Default Value Enrollments > FTE % Enrollment.percentenrolled Customstudent.value



Data Element Label	Business Requirements and Rules	Mandatory, Conditional, or Optional	Location
fteEndDate	The end date for the Student School Association Membership.	С	Enrollments > End Date  Enrollment.endDate
	When there is a single "split enrollment" record, reports the Enrollment End Date to which the record is tied.		Customstudent.effectivedate
	When there are subsequent "split enrollment" records, reports the latest instructional date prior to the next record's Effective Date value.		

#### specialEnrollments

Data Element Label	Business Requirements and Rules	Mandatory, Conditional, or Optional	Location
specialEnrollmentStartDate	The start date for the Student School Association Special Enrollment.  When the default value is being reported, reports the enrollment start date.  When the first entered value is being reported, reports the enrollment start date.  When the value from custom student is being reported, reports effective date on the record being reported.	M	Enrollments > Start Date  Enrollment.startdate  Enrollments > Effective Date  customstudent.effectivedate



Data Element Label	Business Requirements and Rules	Mandatory, Conditional, or Optional	Location
specialEnrollmentDescriptor	The ID of the Special Enrollment Descriptor.  When the default value is entered and no other Special Enrollment record exists, reports the default value.  When the Special Enrollment value exists, reports based on the mapped value indicated in the EdFi mapping tool, when it exists, tied to the attribute dictionary item selected.  When a mapping does not exist, does not report.	С	Attribute Dictionary > Enrollment> Special Enrollment > Default Value enrollment.nclbChoice  Enrollments > Special Enrollment customstudent.value
specialEnrollmentEndDate	The end date for the Student School Association Special Enrollment. When there is a single "split enrollment" record, reports the Enrollment End Date to which the record is tied.  When there are subsequent "split enrollment" records, reports the latest instructional date prior to the next record's Effective Date value.	С	Enrollments > End Date enrollment.enddate customstudent.effectivedate

#### tuitionPayers

Data Element Label	Business Requirements and Rules	Mandatory, Conditional, or Optional	Location
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Data Element Label	Business Requirements and Rules	Mandatory, Conditional, or Optional	Location
payerStartDate	The start date for the Student School Association Tuition Payer.  When the default value is being reported, reports the enrollment start date.  When the first entered value is being reported, reports the enrollment start date.  When the value from custom student is being reported, report effective date on the record being reported.	M	Enrollments > Start Date enrollment.startdate  Enrollments > Effective Date  customstudent.effectivedate
tuitionPayer Descriptor	The ID of the Tuition Payer Descriptor.  When State Aid is not NULL, report based on the the mapped value indicated in the EdFi mapping tool, when it exists, tied to the attribute dictionary item selected.  When no mapping exists, continue below to the second bullet.  When State Aid is NULL, reports based on the value entered into the default field on the Enrollment.stateAid attribute.  When State Aid is NULL, and the default field on the Enrollment.stateAid attribute is NULL, reports based on a value of '1	M	Enrollments > Tuition Payer  Enrollment.stateAid  Attribute Dictionary > Enrollment > Tuition Payer > Default Value  customstudent.value



Data Element Label	Business Requirements and Rules	Mandatory, Conditional, or Optional	Location
payerEndDate	The end date for the Student School Association Tuition Payer. When there is a single "split enrollment" record, reports the Enrollment End Date to which the record is tied.  When there are subsequent "split enrollment" records, reports the latest instructional date prior to the next record's Effective Date value.	С	Enrollments > End Date enrollment.enddate customstudent.effectivedate

# **Type/Descriptor**

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#### **Enrollment State Start Status Descriptors**

Code	Description
E	NON-SAIS DISTRICT USE ONLY!
E1	1st AZ enroll, from same school
E2	1st AZ enroll, from within district
E3	1st AZ enroll, from other district
E4	NOT 1st AZ enroll, from other district
E5	NOT 1st AZ enroll, from within district
E6	1st AZ enroll, from other state
E7	1st AZ enroll, from within district, dropout
E8	1st AZ enroll, other district, dropout
E9	NOT 1st AZ enroll; from within district, dropout
E10	NOT 1st AZ enroll, other district dropout
E11	1st AZ enroll this year for home taught student
E15	1st AZ enroll, from detention facility
E16	NOT 1st AZ enroll, from detention facility
E17	GCD awarded: attending AZ university
E18	GCD awarded: attending AZ community college
E19	GCD-eligible, enrolled in CTE program
E20	GCD-eligible, pursuing additional board exam



Code	Description
EK	Transferred calendar tracks within the same school
Р	Program Only
R1	Readmission after a W1
R2	Readmission after a W2
R3	Readmission after a W3
R4	Readmission after a W4
R5	Readmission after a W5
R6	Readmission after a W6
R9	Readmission after a W9
R10	Readmission after a W10
R11	Readmission after a W11
R12	Readmission after a W12
R21	Readmission after a W21/S21
R22	Readmission after a W22
RD	Mid-year Demoted re-entry
RP	Mid-year Promoted re-entry

# **Exit Withdraw Type Descriptors**

Code	Name	Ed-Fi Code Value
W	Not State Reported District Use Only	
W1	Transfer: other school	W1
W2	Illness	W2
W3	Expelled or long term suspension	W3
W4	Absence or status unknown	W4
W5	Dropout	W5
W6	Age	W6
W7	Graduated	W7
W8	Deceased	W8
W9	Transfer: home taught	W9
W10	Transfer: detention	W10
W11	GED	W11
W12	Vocational school	W12
W13	Completed (AIMS)	W13
W14	GCD-Eligible	W14



Code	Name	Ed-Fi Code Value
W15	GCD awarded	W15
W17	GCD awarded no criteria for four-year univ	W17
W18	CD awarded no criteria for AZ comm college	W18
W19	GCD eligible not in full-time CTE prog	W19
W20	GCD awarded, no post GCD participation	W20
W21	Transfer to another school out of state	W21
W22	Transferred to attend school in another country	W22
WD	Mid Year Demote	WD
WP	Mid Year Promotion	WP
WK	Transferred calendar tracks within the same school	WK
S1	Summer transfer - out of district	S1
S4	Summer absence or status unknown	S4
S5	Summer dropout	S5
S6	Summer not of school age	S6
S7	Summer early graduation	S7
S8	Summer deceased	S8
S9	Summer transfer - home taught	S9
S10	Summer transfer - detention	S10
S11	Summer GED	S11
S12	Summer transfer - vocational school	S12
S99	Summer transfer - within district	S99
S19	GCD, not enrolled in full-time CTE program	S19
S21	Transferred to attend school out of state	S21
S22	Transferred to attend school in another country	S22
D1	Eligible for GCD	D1
D2	Awarded GCD	D2

#### **Enrollment End Action**

Code Value	Description
D: Demote	D: Demote
P: Promote	P: Promote
R: Retain	R: Retain

#### **Enrollment Withdrawal Reason**



Code Value	Description
WR1: School identified for Federal Improvement	WR1: School identified for Federal Improvement
WR2: School persistently dangerous	WR2: School persistently dangerous
WR3: Individual Transfer Option	WR3: Individual Transfer Option
WR4: Pregnancy/Biological Parent	WR4: Pregnancy/Biological Parent

# **Enrollment School Membership FTE**

Code Value	Description
0.00: 00%	0.00: Student's course load is part time, equivalent to 0% of a full time program
0.25: 25%	0.25: 0.25 Student's course load is part time, equivalent to 25% of a full time program
0.50: 50%	0.50: 0.50 Student's course load is part time, equivalent to 50% of a full time program
0.75: 75%	0.75: 0.75 Student's course load is part time, equivalent to 75% of a full time program
1.00: 100%	1.00: 1.00 Student's course load is part time, equivalent to 100% of a full time program

# **Enrollment Local Service Type**

Code Value	Description
A: Ancillary	Ancillary
C: Concurrent Course Work Program	Concurrent Course Work Program
D: Dropout Recovery Program	Dropout Recovery Program
G: Grand Canyon Diploma	Grand Canyon Diploma
O: Program Only	Program Only
P: Primary	Primary
T: AOI	AOI

#### **Enrollment Special Enrollment**

Ed-Fi Code Value	Description
1	CECA
2	CECB
3	Open Enrollment



Ed-Fi Code Value	Description
4	976 - State Assistance
5	823 - Interstate Compact
6	Type 03 HS Student

#### **Enrollment Tuition Payer**

Ed-Fi Code Value	Short Description	Description
1	1 The "normal" setting for Arizona school children who generate state funding	The "normal" setting for Arizona school children who generate state funding.
2	Privately paid tuition, no tuition charged.	Privately paid tuition, no tuition charged.
3	Foreign Exchange Student	Foreign exchange student
4	Non-SPED (NSE) students in residential treatment centers	Non-SPED (NSE) students in residential treatment centers
5	JTED/Non-Resident Charter (concurrent)	JTED/Non-Resident Charter (concurrent)
6	ISEP Student	ISEP student
7	Other State funded formula	Students funded through other state formula programs
8	Non-AZ resident at specail school	Non-Arizona resident boarding at specialized school

### **Appendix A - Summer Withdrawal Students**

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When a student has finished their previous year's enrollment and intends to come back to the school the following year, but the student is a no show for the district, a Student School Association record must still be sent. The following setup options must be completed in order to report data correctly for summer withdrawal students:

- 1. Mark the 'No Show' checkbox on the student's enrollment.
- 2. Any Ed-Fi data that was previously sent for the student is automatically deleted after marking the 'No Show' checkbox, except for the Student School Association record.
- 3. This process must be completed each year in order to send data for summer withdrawal students correctly.