

TSDS Upgrade Guide (Work In Progress)

Table of Contents

Preparing for the TSDS Upgrade Guide 1

Preparing for the TSDS Upgrade Guide

IN PROGRESS

Helpful TEA TSDS Links:

https://techdocs.ed-fi.org/display/EFDS30/Response+Codes
https://www.texasstudentdatasystem.org/tsds/teds/ods-upgrade-data-standards
https://www.texasstudentdatasystem.org/tsds/about/training-and-support/tsds-upgrade-project-training-materials

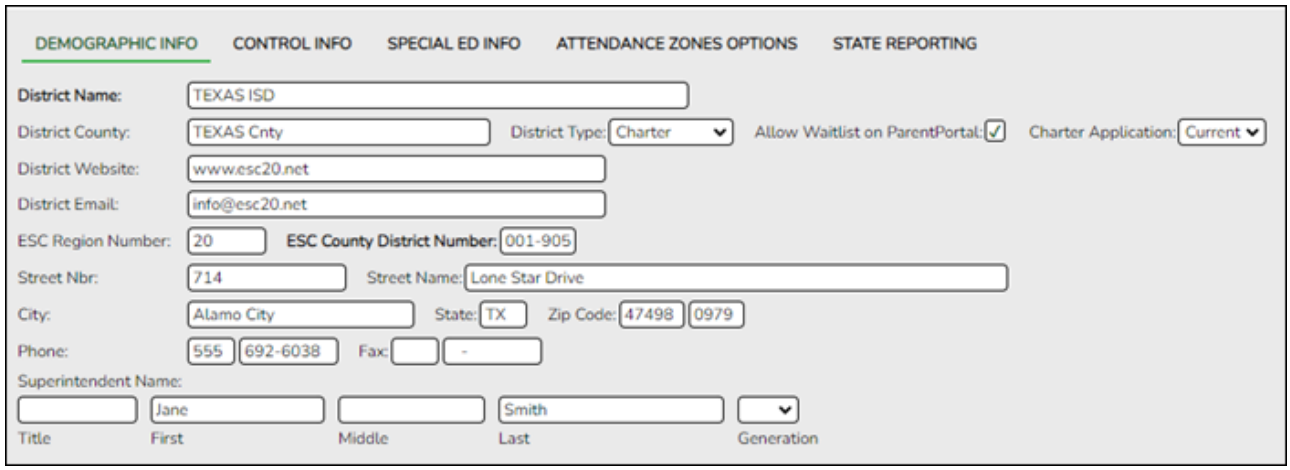
Registration

- Registration > Maintenance > District Profile > District Maintenance > Demographic Info

  ❑ Verify the ESC County/District number is correct (it should **NOT** be the LEA number).

  The District Profile > Demographic Info tab allows you to maintain the district's demographic data, such as the district's name, address, and superintendent.

  Registration > Maintenance > District Profile > District Maintenance > Demographic Info



Update data:

District Name	(Required) Type the name of the district, up to 34 characters.
District County	Type the name of the county where the district is located, up to 20 characters.
District Type	Indicate whether the district is independent, private, or charter.
Allow Waitlist on ParentPortal	Select to enable the display of the Charter School Application Form **Apply** button on the ASCENDER ParentPortal Login page. This field only displays if the **District Type** field is set to *Charter*.
Charter Application	Select *Current* or *Next* to indicate the Charter School Application Form school year in ASCENDER ParentPortal. This field only displays if the **District Type** field is set to *Charter*.
District Website	Type the address of the district's website, up to 255 characters. **IMPORTANT:** If your district website is down when you save, you will receive an error message because the program is trying to connect to the website to validate the entry. Try again when your website is working properly.
District Email	Type an email address for contacting the district, up to 255 characters.

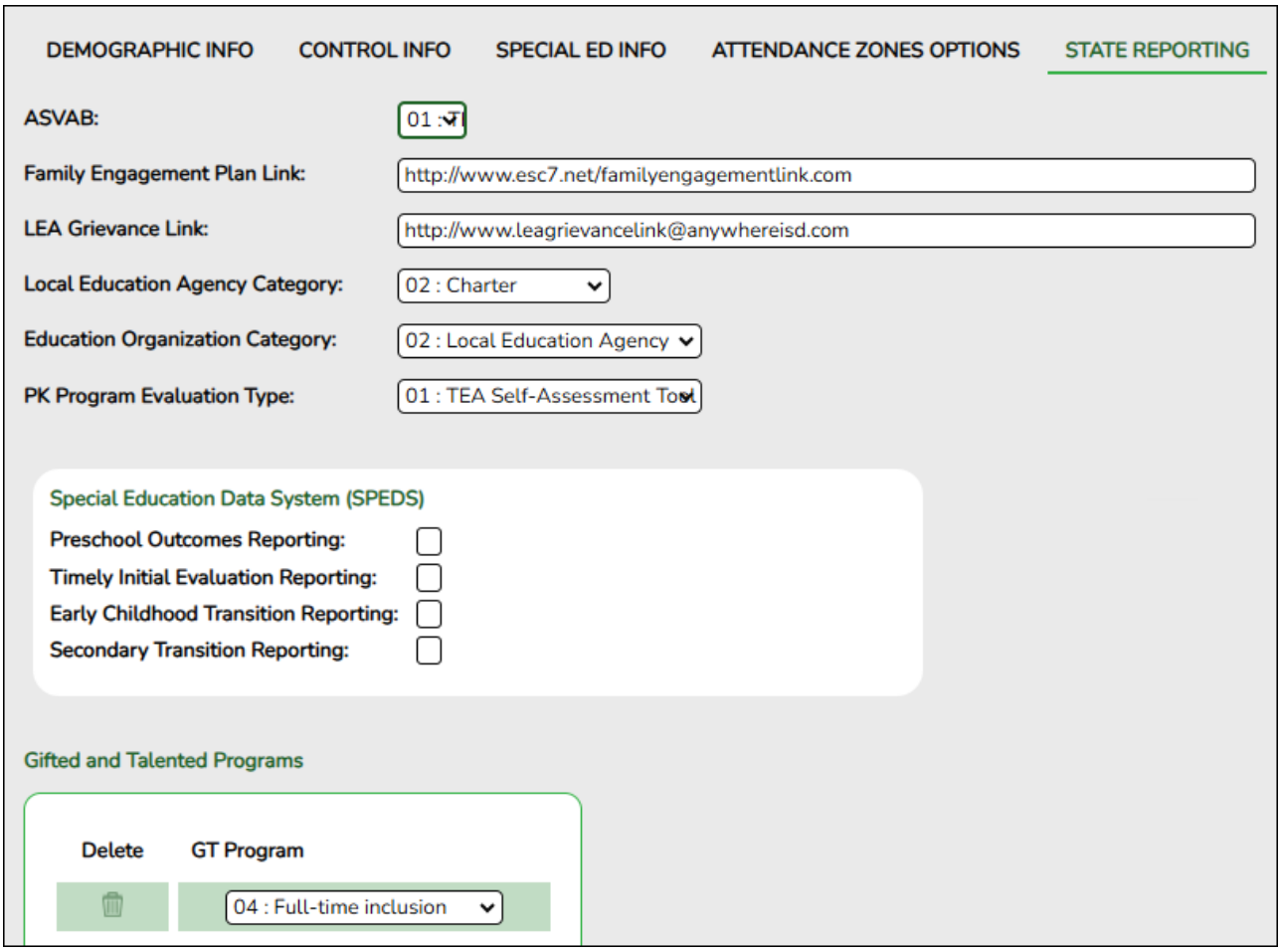
ESC Region Number	(Required) Type the region number for the education service center that serves the district. The field must be two digits (e.g., type 01 for ESC-1).
ESC County District Number	Type the six-digit **ESC county-district number** (NOT the LEA number) as assigned by the Texas Education Agency (TEA).
Street Nbr **Street Name** **City** **State** **Zip Code +4**	Enter the address for the district, up to 60 characters.
Phone **Fax**	Type the area code and phone numbers for the district.
Superintendent Name	Type the title, first name, middle name, and last name of the district superintendent. Select the generation code if applicable.

❑ Click **Save**.

- Registration > Maintenance > District Profile > District Maintenance > State Reporting

❑ Verify the information entered on State Reporting is correct.

The State Reporting tab allows the user to enter data reported in the Education Organization Domain.



Update data:

ASVAB	ARMED-SERVICES-VOC-APT-BATTERY-INDICATOR-CODE (E1625) (S1) (Code table C217) Select the code indicating if the district or open-enrollment charter school provides students in grade levels 10-12 an opportunity to take the Armed Services Vocational Aptitude Battery (ASVAB) test or a comparable substitute. This field is not displayed prior to 2018-2019. **NOTE:** As of the 2019-2020 school year, the field is not mandatory at campuses that do not offer grade levels 10-12, per TEDS 2020.2.0. The field is required at campuses with grade levels 10-12.
Family Engagement Plan Link	FAMILY-ENGAGEMENT-PLAN-LINK (E1583) (S3) Type the website address used by the LEA to provide its Family Engagement Plan.
Local Education Agency Category	Select the Local Education Agency Category and the Local Education Agency Category Description for the School Year.
Education Organization Category	Select the Education Organization Category and the Education Organization Category Description for the School Year.

Program Evaluation Type	PROGRAM-EVALUATION-TYPE (E1626) (Code table C216) Select the Program Evaluation Type that indicates the type of program evaluation tool LEAs use to report the progress of students participating in a High-Quality PK program.

❑ Click **Save**.

❑ Under **Gifted and Talented Programs**:

❑ Click **+Add** to add a record.

	Delete a row. 1. Click  to delete a row. The row is shaded red to indicate that it will be deleted when the record is saved. You can select multiple rows to be deleted at the same time. 2. Click **Save**. You are prompted to confirm that you want to delete the row. Click **Yes** to continue. Otherwise, click **No**. You can save edits and delete records in the same step (i.e., the changes are all committed when the record is saved).
GT Program	GIFTED-TALENTED-PROGRAM-CODE (E1645) (Code table C223) indicates a gifted and talented program the LEA has established that is consistent with the state plan developed under TEC 29.123. Select the program code from the drop-down menu.

❑ Under **CTE Programs of Study**:

❑ Click **+Add** to add a record.

	Delete a row. 1. Click  to delete a row. The row is shaded red to indicate that it will be deleted when the record is saved. You can select multiple rows to be deleted at the same time. 2. Click **Save**. You are prompted to confirm that you want to delete the row. Click **Yes** to continue. Otherwise, click **No**. You can save edits and delete records in the same step (i.e., the changes are all committed when the record is saved).

Program Code	PROGRAM-OF-STUDY (E1643) (Code table C220) indicates a program of study the LEA offers. A program of study is a comprehensive, structured approach for delivering academic and career and technical education to prepare a student for postsecondary education and career success. Select the program code from the drop-down menu.

❑ Click **Save**.

- Registration > Maintenance > District Profile > Local Program Codes

❑ Enter the Local Program to TEA PEIMS Codes.

The Local Program Codes tab allows you to maintain a table of district-level codes for local programs such as dyslexia, 504, crisis code, or any short-term programs that arise in the district. At the campus level, the codes are chosen from the codes set up on this page. Campuses cannot select programs that do not exist on this page. Campuses use the codes to enroll students in these local programs.

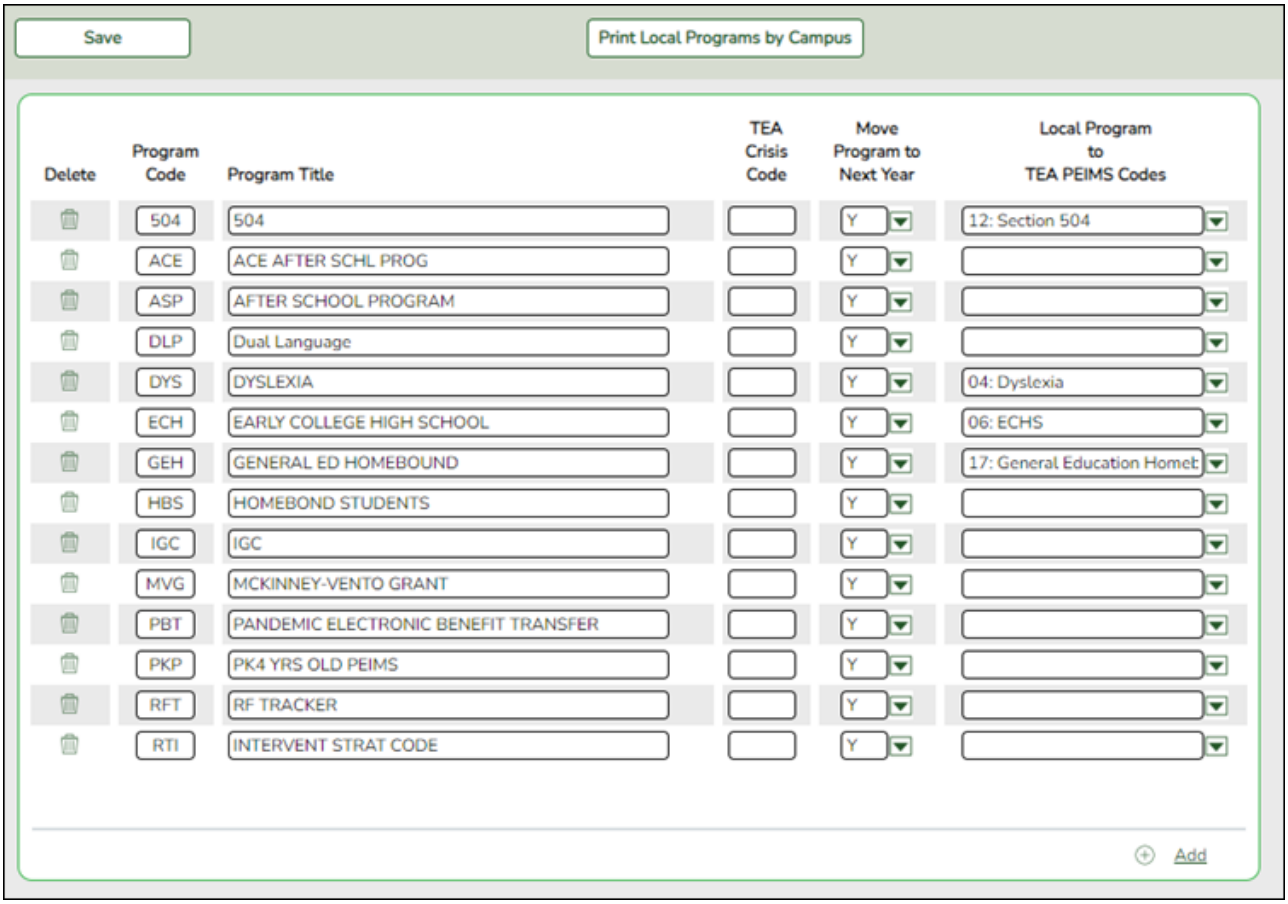
You can also generate a report that allows you to see which local programs will be written to the next year record when ASDR is run.

StudentCharacteristic Elements (E3063) (Code table C344):

Descriptor	Description
01	At Risk
02	Immigrant
03	Migratory
04	Dyslexia
06	ECHS
07	P-TECH
08	New Tech
09	IEP Continuer
10	Star of Texas
11	PK Eligible Prior Year
12	Section 504
13	Intervention Strategy
14	Pregnancy Related Services
15	Gifted and Talented
16	Adult Previous Attendance
17	General Education Homebound
18	Parent Request Retention
19	Bilingual/ESL Summer School
20	Addtional Days Program Participation

Descriptor	Description
21	Virtual Student Not In Membership
22	R-PEP Participation
23	Dropout Recovery Program

IndividualGraduationCommitteeGraduateIndicator - (E1562)
CrisisEvent - (E1054) (Code table - C178)



Update data:

Existing codes are displayed in order by code.

❑ From the **Local Program to TEA PEIMS Codes** drop-down menu, choose **20: Additional Days Program Participation**.

❑ Click **+Add**.

A blank row is added to the grid.

Program Code	Type the three-character code for the program.
Program Title	Type a description for the program, up to 40 characters.

TEA Crisis Code	For local programs created to track students displaced by a crisis, type the corresponding crisis code, as designated by the Texas Education Commissioner:
Move Program to Next Year	Indicating how Annual Student Data Rollover (ASDR) handles local programs for the district. N or blank - Disable the **Move Program to Next Year** field on the Campus Local Program Codes page. The program will be dropped when ASDR is run. Y - Allow the program to be moved to next year.
Local Program to TEA PEIMS Codes	Select the local program code. DATA ELEMENT: StudentCharacteristic (E3063) (Code Table C344) captures important characteristics of the student's environment or situation.

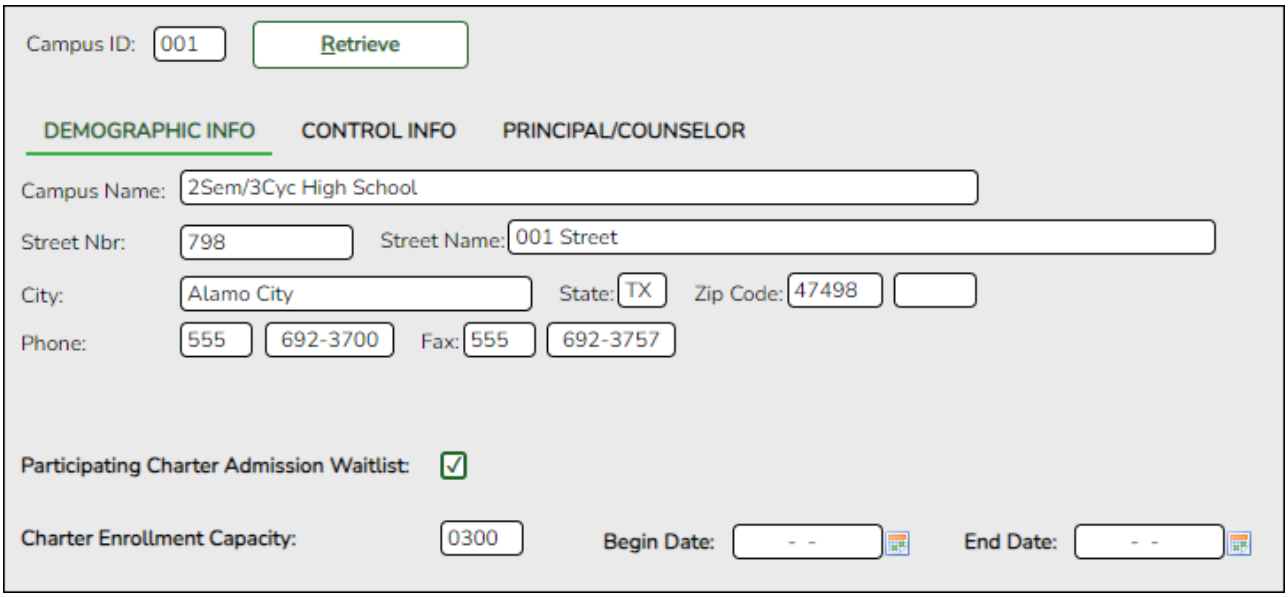
❑ Click **Save**.

❑ To update a description, type over the existing description and save.

> You can only update the description; you cannot update a code. To change a code, you must delete and re-enter the code and description.

- Registration > Maintenance > Campus Profile > Campus Information Maintenance > Demographic Info

The Campus Profile > Demographic Info tab allows you to maintain campus demographic data, such as the campus name, address, and phone number.



Update data:

Campus ID	The campus to which you are logged in is displayed. To view another campus or add a new campus, type the three-digit campus ID and click **Retrieve**. To enter a new campus, type an unused three-digit campus ID for the new campus and click **Retrieve**. The fields are cleared allowing you to enter and save data for the new campus. According to TEA guidelines: 001-040 are used for high school campuses. 041-100 are used for junior high and middle school campuses. 101-698 are used for elementary school campuses.

Existing demographic information for the campus is displayed.

Campus Name	Type the name of the campus, up to 34 characters.
Street Nbr **Street Name** **City** **State** **Zip Code +4**	Enter the address for the campus, up to 60 characters.
Phone **Fax**	Type the area code and phone numbers for the campus.

The following fields only display if the **District Type** field is set to *Charter* on the Registration > Maintenance > District Profile > District Information > Demographic Info tab.

Participating Charter Admission Waitlist	For each charter school campus, select to indicate whether or not the campus will have a waitlist for admission.
Charter Enrollment Capacity	Type the maximum approved student enrollment number (up to four digits) for which the campus is able to provide instruction without exceeding staffing and facility limitations.

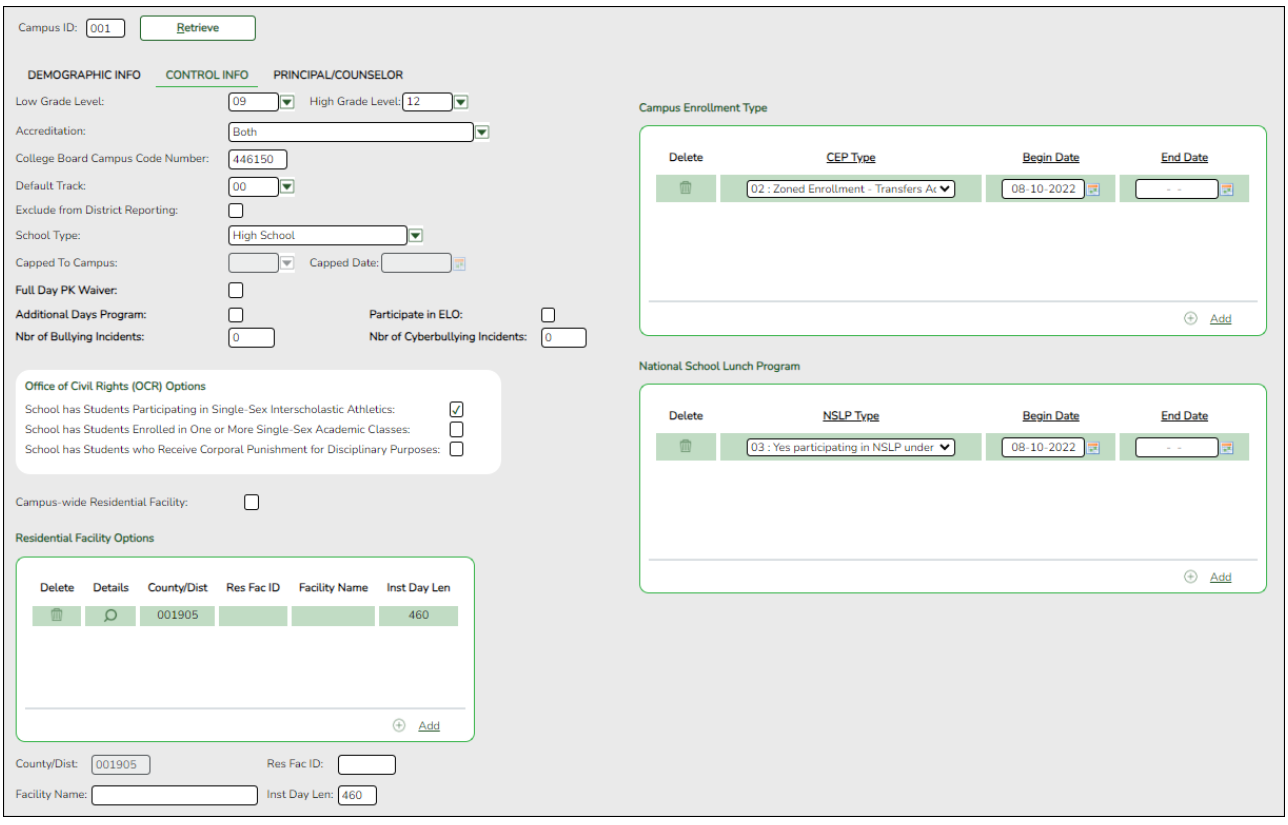
Begin Date	Type the begin date using the MMDDYYYY format. Or, click calendar icon to select the date from a calendar.
End Date	Type the end date using the MMDDYYYY format. Or, click calendar icon to select the date from a calendar.

❑ Click **Save**.

- Registration > Maintenance > Campus Profile > Campus Information Maintenance > Control Info

The Control Info tab allows you to set up control options for the campus related to Registration and OCR.

NOTE: Changes made in Discipline will affect the **Nbr of Bullying Incidents** and **Nbr of Cyberbullying Incidents** totals. The **Nbr of Bullying Incidents** is calculated when PEIMS Code 61 is used and the **Nbr of Cyberbullying Incidents** is calculated when PEIMS Code 61 and the Cyber checkbox is selected.



Update data:

Campus ID	The campus to which you are logged in is displayed. To view another campus or add a new campus, type the three-digit campus ID and click **Retrieve**.

Existing control information for the campus is displayed.

❑ Update as needed.

Low/High Grade Level	Select the lowest and highest grade levels taught at the campus.
Accreditation	Select the code for the organization(s) that accredit the campus.
College Board Campus Code Number	Type the six-character ID used by the educational testing service to identify the campus. This applies only to high schools.
Default Track	Select the attendance track you want to use as the default when enrolling students. For a new student campus with no attendance options, use 00. Business campuses can be created on **District Admin**.
Exclude from District Reporting	Select to exclude the campus from district reports in all ASCENDER Student applications. This option can be used for students who are tracked in their home district for TEA reporting purposes but also need to be tracked at the district that serves them, such as through a special education program, DAEP, or JJAEP. The district that serves the students can track attendance, grades, and other data, and provide the information to the home district for TEA reporting. If this option is selected, the campus is excluded from district reports, the UID export, and PEIMS TSDS. Excluded campuses are excluded in the following reports, unless the report is generated specifically for that campus: Attendance: SAT0900, SAT0950, SAT1100, SAT1700, SAT2100, SAT2300, SAT2400, SAT2500, SAT5000, Create Attendance Report Discipline: SDS0100, SDS0200, SDS0300, SDS0500, SDS0700, SDS0800, SDS0900, SDS1000, SDS1100, SDS1200, SDS1300, Create Discipline Report Grade Reporting: SGR0110, SGR0120, SGR0130, SGR0140, SGR0200, SGR2046, SGR2060, SRG2081, SGR2091, SGR2500, SRG2550, Create Grade Reporting Report Health: SHS0110, SHS0295, SHS0296, SHS0297, SHS0298, Create Demo Registration: SDS0300, SGR1950, SRG0200, SRG0300, SRG0600, SRG1001, SRG1100, SRG1400, SRG1500, SRG1600, SRG1700, SRG1800, SRG1900, SRG2300, Create Registration Report Special Education: SDS0200, SEM0200, SEM0400, SEM0620, SEM0640, SEM0720, SEM0750, SEM0800, SEM0850, SEM0900, SEM0950, SEM1000, SEM1100, SEM1200, Create Special Ed CY, Create Special Ed NY
School Type	Select the code for the type of school, which is required for the TSDS Student Extractor. The drop-down list contains codes from the TSDS table DC111. Leave blank if the LEA is not using the Student Dashboard.

Capped To Campus	This field is only enabled if **Enable Attendance Zones** is selected on Registration > Maintenance > District Profile > District Maintenance > Attendance Zones Options, and is used to prevent over enrolling students at a particular campus. Select the campus at which a student will be enrolled if the campus you are logged onto is capped. For a student to be allowed to enrolled at the capped campus, the student's entry date must be later than the **Capped Date**, and that student's **Transfer Factor** must be 0 (**CY/NY Xfer Factor** on Registration > Maintenance > Student Enrollment > Demo1).
Capped Date	If Capped To Campus is used, enter the date after which students can be enrolled at the capped campus. The date must be a valid school or working date.
Full Day PK Waiver	Select if the campus has received an exemption from offering a full-day PK program. TWEDS Data Element: PK-FULL-DAY-WAIVER-INDICATOR-CODE (E1646) Code table: C088
Additional Days Program	Select if the campus offers an Additional Days Program to students in PK - 5. TWEDS Data Element: ADDITIONAL-DAYS-PROGRAM-INDICATOR-CODE (E1671) Code table: C088
Participate in ELO	Select if the student participates in an Extended Learning Opportunity (ELO) program.
Nbr of Bullying Incidents	NUMBER-OF-BULLYING-INCIDENTS (E1727) indicates the number of reported incidents of bullying at each campus. Enter the number of Bullying incidents. **NOTE**: Any changes made on *Discipline* > *Student* > *Maintenance* to student incidents will automatically update totals.
Nbr of Cyberbullying Incidents	NUMBER-OF-BULLYING-INCIDENTS (E1727) indicates the number of reported incidents of bullying at each campus. Enter the number of Bullying incidents. **NOTE**: Any changes made on *Discipline* > *Student* > *Maintenance* to student incidents will automatically update totals.
Office of Civil Rights (OCR) Options	Select applicable fields for the campus. If selected, these selections are extracted to OCR. **School has Students Participating in Single-Sex Interscholastic Athletics** (School Part 2 > Exam, Staff, and Retention > ATHL-1) **School has Students Enrolled in One or More Single-Sex Academic Classes** (School Part I > COUR-12) **School has Students who Receive Corporal Punishment for Disciplinary Purposes** (School Part 2 > Discipline > DISC-3)

Campus-wide Residential Facility	Select if all students at the campus are residing in a residential facility.

❑ Under **Residential Facility Options**:

❑ Click **+Add** to add the residential facilities attended by students within the campus boundaries.

The following fields are displayed below the grid.

This list populates the **Residential Facility ID** field on Registration > Maintenance > Student Enrollment > W/R Enroll for students who reside in a residential facility.

NOTE: These settings are campus specific. If the same facility exists on multiple campuses, the information must be entered for each campus.

County/Dist	The county-district number you are logged on to is displayed and cannot be changed. TWEDS Data Element: DISTRICT-ID (E0212)
Res Fac ID	Type the six-digit residential facility ID. TWEDS Data Element: RESIDENTIAL-FACILITY-ID (E1627)
Facility Name	Type the name of the residential facility, up to 60 characters.
Inst Day Len	The field is automatically populated with the **Instructional Daily Minutes** as entered for the default campus-track on ***Attendance > Maintenance > Campus > Campus Options***. If the number of minutes in the school day at the residential facility is different, this field can be modified. TWEDS Data Element: RESIDENTIAL-FACILITY-STUDENT-SCHOOL-DAY-LENGTH (E1637)}
	Delete a facility. 1. Click  to delete a row. The row is shaded red to indicate that it will be deleted when the record is saved. You can select multiple rows to be deleted at the same time. 2. Click **Save**. You are prompted to confirm that you want to delete the row. Click **Yes** to continue. Otherwise, click **No**. You can save edits and delete records in the same step (i.e., the changes are all committed when the record is saved).
	Click to view modify the information. The data is displayed in fields below the grid allowing you to make changes.

County/Dist	The county-district number you are logged on to is displayed and cannot be changed.
Facility Name	Type the name of the residential facility, up to 60 characters.
Res Fac ID	Type the six-digit residential facility ID.
Inst Day Len	Type the number of minutes a residential facility student receives instruction based on their Individualized Education Plan (IEP).

❑ Click **Save**.

❑ Under **Campus Enrollment Type**:

❑ Click **+Add** to add the campus enrollment type.

The following fields are displayed below the grid.

NOTE: These settings are campus specific. If the same facility exists on multiple campuses, the information must be entered for each campus.

CEP Type	Select the type of campus where the student is enrolled.
Begin Date	Type the begin date using the MMDDYYYY format. Or, click calendar icon to select the date from a calendar.
End Date	Type the end date using the MMDDYYYY format. Or, click calendar icon to select the date from a calendar.

❑ Under **National School Lunch Program**:

❑ Click **+Add** to add the lunch program type.

The following fields are displayed below the grid.

NOTE: These settings are campus specific. If the same program exists on multiple campuses, the information must be entered for each campus.

NSLP Type	Select the type of lunch program in which the student is enrolled.

Begin Date	Type the begin date using the MMDDYYYY format. Or, click calendar icon to select the date from a calendar.
End Date	Type the end date using the MMDDYYYY format. Or, click calendar icon to select the date from a calendar.

❑ Click **Save**.

- Registration > Maintenance > Student Enrollment > Demo1

Information provided in this guide is limited to the TSDS Upgrade only. Additional information for Demo1 can be found on Registration > Maintenance > Student Enrollment > Demo1.

Update data:

❑ Under **Student Indicators**:

As of Status Last Friday October	Indicate the student's status as of the last Friday in October. This status will calculate daily (Monday-Friday) at 6:00 pm.
As of Status Last Day Enrollment	Indicate the student's status as of the last day enrollment. Additional guidance to come at a later date.

❑ Click **Save**.

Prior Year Leaver data will be updated for the prior year on the following screens:

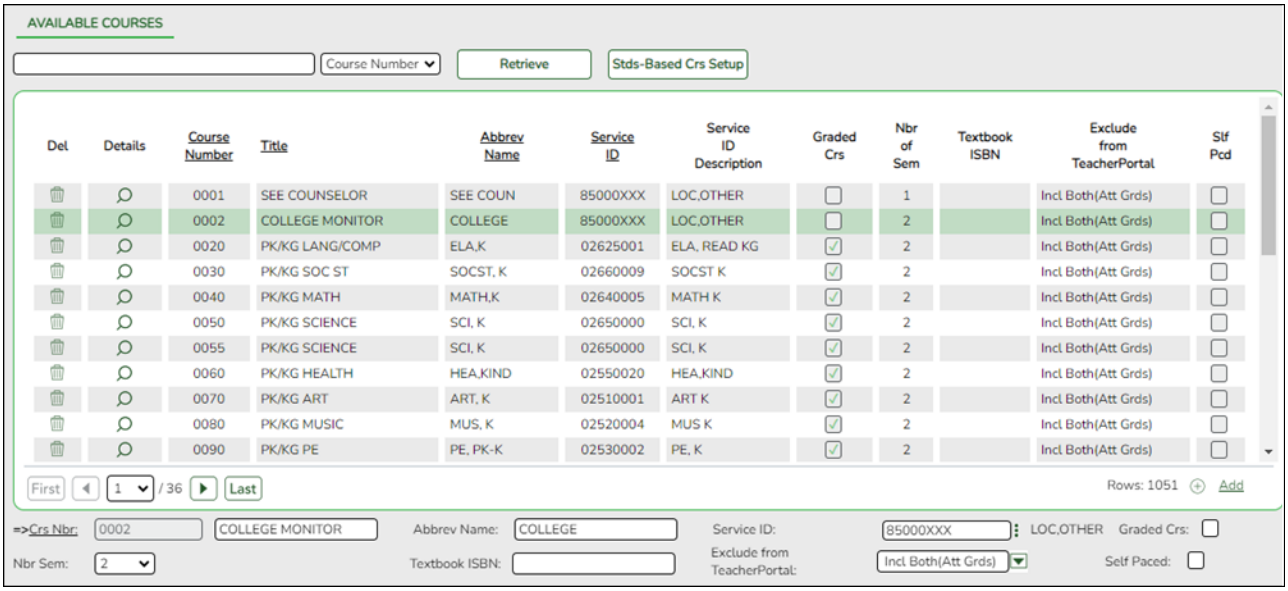
- **Registration > Maintenance > Student Enrollment > Demo1**
  Allow data elements to be editable for one prior year in the **Phone/Address** group box if the student is listed in the Prior Year Leaver Tracking Directory.
- **Registration > Maintenance > Student Enrollment > Demo3**
  Allow data elements to be editable for one prior year for Military Enlistment in the **Status Indicators** group box if the student is listed in the Prior Year Leaver Tracking Directory.
- **Registration > Maintenance > Student Enrollment > Contact (PY Leaver)**
  Allow data elements to be editable for one prior year for contacts who are: Priority = 1 and Guardian = 1 if the student is listed in the Prior Year Leaver Tracking Directory.
- **Registration > Maintenance > Student Enrollment > W/R Enroll**
  Allow data elements to be editable for one prior year in the **Reason** field if the student is listed in the Prior Year Leaver Tracking Directory.

Grade Reporting

- Grade Reporting > Maintenance > Master Schedule > District Schedule > Available Courses

  ❑ Update all local service IDs to be unique for each course.

For Ed-Fi TSDS reporting, **ALL** local **Service IDs** (that begin with 8) created by the district will need to be a unique value per course. The *XXX* value must be changed to a unique alphanumeric value.

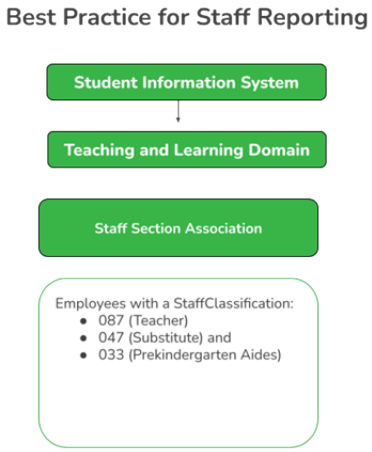


- Grade Reporting > Maintenance > Master Schedule > Campus Schedule > Section

  ❑ Verify all Instructional Staff responsibility records are entered.

All Instructional Staff responsibility records **must** be entered on this screen. These are your Role ID/StaffClassification Codes 087 (Teacher), 047 (Substitute), and 033 (Pre-Kindergarten Aides).

Instructional Staff and Pre-Kindergarten Educational Aides (StaffClassification 033) are reported using the Course, CourseOffering, Section, and StaffSectionAssociationentities in the TeachingandLearningDomain.



- Grade Reporting > Maintenance > Tables > TSDS Crosswalks

The Grade Reporting > Maintenance > Tables > TSDS Crosswalks tab allows you to convert data in your district format to the standard TEA format for the fall.

Update Data:

Crosswalk Type	Select the crosswalk table for which you want to convert data.

- The selected crosswalk table is displayed. The list can be re-sorted.

  You can re-sort the grid by clicking on an underlined column heading. It will sort in ascending order. Click it again to sort in descending order.

  A white triangle next to the column heading indicates the column by which the grid is currently sorted and whether it is sorted in ascending or descending order.

- A blank row is added to the bottom of the grid.

Crosswalk Type:
042 Responsibilities - From Campus/Period to Minutes
043 Responsibilities - From Campus/Service ID to Minutes

A blank row is added to the bottom of the grid.

Row Nbr	The rows are automatically numbered.
From	Type the district code you want to convert.

To	Type the TEA format code to which you want to convert. The **From** and **To** values must be different.

❑ Click **+Add** to add a new row.

❑ Click **Save**.

Crosswalk Type:
044 PE Responsibilities - Campus/Crs/Sec

This crosswalk allows you to enter the number of days and minutes in which the PE teacher provides physical education instruction each week at the campus for the four weeks in October that include the last Friday in October. This is required for all teachers of record for course-sections associated with the following physical education (PE) service IDs:

02530002
02530003
02530004
02530005
02530006
02530007
02530008
02850000
03823000
82210XXX
82931XXX
83210XXX
84200XXX
PES00051
PES00053
PES00056

All districts will use this crosswalk, except for Business-only districts whose responsibility records come from Human Resources, or if PE service IDs are not used for PE courses, or if your PE service ID courses do not have students.

Important: Minutes for any holidays should be included.

NOTE:

These fields are not reported for employees with PE substitution responsibilities (i.e., employees with service IDs PES00000-PES00015).

Records *are* created for non-campus-based PE courses (i.e., **Non Campus Based** is greater than 00 in the campus master schedule) if the course is taught during semester 1 and at least one student is enrolled in the class.

This crosswalk is not used for Business-only districts whose responsibility records come from Personnel, or if PE service IDs are not used for PE courses, or if your PE service ID courses do not have students. All other districts should use this crosswalk.

Create or update the crosswalk:

❑ In the **Crosswalk Table** field, select *044-PE Responsibilities - Campus/Crs/Sec*.

❑ The first time you access the page, there will be rows from the previous year displayed. Click **Delete** then click **Create** to add current year courses.

A list of course-sections associated with physical education (PE) service IDs is listed. This list is predefined and cannot be changed.

The **From** column lists course-sections in the campus-course-section format, where:

- The first three digits are the campus ID.
- The next digits are the course number, which may contain between four and eight digits.
- The last two digits are the section number.
- The course-sections are for semester 1.

❑ For the Teacher of Record for each course-section listed, enter the following information for the four weeks in October that include the last Friday in October:

- In the **Day Week 1-4** fields, type the number of days in which the employee provides physical education instruction each week at the campus. Valid entries are one digit between 0-5.

- In the **Mins Week 1-4** fields, type the number of minutes the employee provides physical education instruction each week at the campus. Valid entries are up to four digits between 0-3000.

These fields are automatically populated according to the **Days** code entered on ***Grade Reporting > Maintenance > Master Schedule > Campus Schedule > Section*** for each course-section meeting time. The program calculates the minutes in the days from the section **Time Begin/End** and sums for each meeting time the days

per week for that meeting time, then multiplies the minutes per day for that meeting time to calculate the minutes for each week.

❑ Click **Save**.

❑ Click **Print** to print the data displayed.

❑ If new PE responsibilities records are found the next time you access the page, the **Create** button will be replaced with the **Refresh** button. Click **Refresh** to add new records to the grid.

NOTE: You cannot delete data row by row. You must click **Delete** to delete all rows on the page. Then, click **Create** to populate the page with PE course-sections. Then, you can re-enter all data.

WARNING: If you click **Delete**, all rows are deleted.

Crosswalk Type:
ADP Additional Days School Year Courses

A blank row is added to the bottom of the grid.

Row Nbr	The rows are automatically numbered.
Course	Type the course code you want to convert.
Campus	Type the campus number to which you want the course to transfer.

❑ Click **+Add** to add a new row.

❑ Click **Save**.

Other functions and features:

Print	Print the crosswalk report. **Review the report using the following buttons**: Click First to go to the first page of the report. Click to go back one page. Click to go forward one page. Click Last to go to the last page of the report. **The report can be viewed and saved in various file formats**. Click to save and print the report in PDF format. Click to save and print the report in CSV format. (This option is not available for all reports.) When a report is exported to the CSV format, the report headers may not be included. Click to close the report window. Some reports may have a **Close Report**, **Exit**, or **Cancel** button instead.
Retrieve	Retrieve data from the last save. Click to discard unsaved changes and retrieve information from the last time data was saved.
	Delete a row. Click to delete the selected row. The row is shaded red to indicate that it will be deleted when the record is saved. Click **Save**. A message is displayed confirming that you want to delete the row. Click **OK** to delete the row. Click **Cancel** not to delete the row.

Finance

- Finance > Tables > TSDS Crosswalks

The Finance > TSDS Crosswalks tab allows you to map financial data (actual and budget) from your LEA's set of accounts to TEA's Chart of Accounts. These crosswalks only affect the data in the State Reporting tables and allow you to continue maintaining your data as-is in the Business system.

The TSDS Business crosswalks are associated with the logged-on file ID; therefore, LEAs can have different crosswalks per file ID.

Modify a record:

Field	Description
Crosswalk Type	Click the drop-down arrow to select the crosswalk table type for which you want to crosswalk data.

A list of existing from and to account code elements is displayed for the selected crosswalk type. Review the list of Finance TSDS Crosswalk Tables.

❑ Click **+Add** to add a row.

From	Based on the selected crosswalk, type the from account code element(s) to crosswalk.
To	Based on the selected crosswalk, type the to account code element to crosswalk.

❑ Click **Save**.

Other functions and features:

Retrieve	Click to discard unsaved changes and retrieve information from the last time data was saved.
Print	Click to print the report. Review the report.
	Click to delete a row. The row is shaded red to indicate that it will be deleted when the record is saved. Click **Save**.

Personnel

- Personnel > Maintenance > Staff Demo > Responsibility

All Non-Instructional Staff responsibility records **must** be entered on this screen. These records will use the Staffservice Code Table.

Non-Instructional Staff and Non-Pre-Kindergarten Educational Aides (StaffClassification 033) are reported using the StaffEducationOrganizationAssignmentAssociationentity in the StaffDomain.



District Administration

- District Administration > Tables > District Information > Campus Name/Address

  Campus Name/Address - DA1200

  District Administration > Tables > District Information > Campus Name/Address

  This tab is used to record the campus demographic information such as campus number, name, address, phone number, and fax number. The table is shared between the ASCENDER Business and Student systems.

  Note: If this tab is not selected or is set to read- on the user's profile in Security Administration, the fields are disabled.

  Manage campus information:

Field	Description
Year	Verify that the correct school year is displayed. If not, type the four-digit school year for which you want to add or retrieve data and click **Retrieve**.

❑ Click ⌄ to select a campus and click **Retrieve**. The campus demographic fields are displayed.

Campus ID	Type the campus ID. If an existing campus was retrieved, the campus ID is displayed. The campus ID must be numeric and cannot include alpha characters.
Campus Name	Type the campus name.

Street Nbr	Type the campus street number.
Street Name	Type the campus street name.
City	Type the name of the city where the campus is located.
State	Click ⌄ to select the two-character state code.
Zip	Type the five-digit zip code and suffix.
Phone	Type the campus phone number in the ###-###-#### format.
Fax	Type the campus fax number in the ###-###-#### format.
Exclude from reporting to TEA	Select to exclude this campus record from TEA reporting. **Note**: This option should be selected for all non-instructional campuses to exclude records from TSDS reporting. • If selected, the Campus Name / Address report displays *1* in the **Exclude Dist** column. • If unselected, the Campus Name / Address report displays *0* in the **Exclude Dist** column.

❑ Click **Save**.

Other functions and features:

Retrieve	Click to retrieve information from the last save. If you click **Retrieve**, any unsaved changes will be lost.
Add	Click to add a campus. The fields are cleared allowing you to enter the campus information.
Delete	Click to delete the selected campus. A message is displayed prompting you to confirm that you want to delete the campus. Click **Yes** to delete the campus. Click **No** to not delete the campus and return to the Campus/Name Address tab.
Print	Click to print the Campus Name/Address report. A window is displayed with the following options: **Print Current Campus Name/Address Record** - If selected, only the campus information displayed on the tab is printed. **Print All Saved Campus Name/Address Records** - If selected, campus information for all saved campuses is printed. Select the report(s) to be printed. Click **Yes** to continue to the selected report(s). Click **No** to return to the Campus Name/Address tab. Review the report.

- District Administration > Options > TSDS > Options

Options - DA2100

District Administration > Options > TSDS > Options

This tab is used to define email distribution lists to communicate various information about TSDS extracts. For example, the TSDS extract that is automatically scheduled to run Monday-Friday at 6:00 PM will generate an error report, which will be emailed to the designated recipients on this tab.

Providing email address(es) is optional. However, if no email address is entered under **Personnel/Payroll Extract Distribution List**, reports for employees with more than 365 days employed or with zero days employed will not be emailed.

Modify a record:

Field	Description
Submission Year	Type the submission year set by the Texas Education Agency (TEA) in the YYYY format. This is the ending year of the school year for which you will be submitting data (e.g., 2024-2025 school year; **Submission Year** = 2025). The submission year is edited to ensure a valid year is entered and that code table data is loaded for the year specified.

❑ Click **Retrieve**. The corresponding record is displayed. If a record is not available, the fields on the page are blank and you can create the applicable record.

PEIMS Fall Enrollment Snapshot Date	Type the fall as-of date set by the Texas Education Agency (TEA) in the MM-DD-YYYY format. Or, click the field to select the date from a calendar. This date is used in the fall for staff extracts.
PEIMS Fall Snapshot Date	Type the fall as-of date set by the Texas Education Agency (TEA) in the MM-DD-YYYY format. Or, click the field to select the date from a calendar. This date is used in the fall for staff extracts.
School Start Window (SSW) Date	Type the school-start window date set by TEA for the current school year in the MM-DD-YYYY format. Or, click the field to select a date from a calendar.

Under **Finance Extract Distribution List**:

❑ Click **+Add** to add a row.

Email	Type the email address to receive information about the Finance extract. The address can be a maximum of 100 characters.

Under **Personnel/Payroll Extract Distribution List**:

❑ Click **+Add** to add a row.

Email	Type the email address to receive information about the Personnel/Payroll extract. The address can be a maximum of 100 characters.

Under **TSDS Extract Errors Distribution List**:

❑ Click **+Add** to add a row.

Email	Type the email address to receive information about TSDS Extract Errors. The address can be a maximum of 100 characters.

❑ Click **Save**.

Other functions and features:

Retrieve	Click to retrieve information from the last save. If you click **Retrieve**, any unsaved changes will be lost.
	Click to delete a row. The row is shaded red to indicate that it will be deleted when the record is saved. Click **Save**. A message is displayed asking if you want to delete the row. Click **OK**. Click **Cancel** to not delete the row.

- District Administration > Options > TSDS > Connection

Connection - DA2100

District Administration > Options > TSDS > Connection

This tab allows you to maintain the appropriate credentials for accessing your LEA's Ed-Fi Operational Data Store (ODS), which is a secure platform used to store data from multiple systems in a central location.

You must get this information from TEA's TSDS Data Management Center (DMC). However, to obtain this information, you must first log on to the Texas Education Agency Login (TEAL) system.

Note: If this tab contains information, then at least one email address is required for each distribution list on the Options tab.

Revert to a Previous Submission Year Job Aid



Exchange clients: When the migration flag is set to Y and the URL contains "Exchange", the **API URL**, **Key**, and **Secret** fields are disabled. If a connection to the EODS cannot be established, the fields will remain disabled and a message will be displayed referring you to contact the Exchange or your ESC for assistance.

Modify a record:

Field	Description
Submission Year	Type the submission year set by the Texas Education Agency (TEA) in the YYYY format. This is the ending year of the school year for which you will be submitting data (e.g., 2024-2025 school year; **Submission Year** = 2025). The submission year is edited to ensure a valid year is entered and that code table data is loaded for the year specified.

❑ Click **Retrieve**.

API URL	Type your LEA's Ed-Fi Operational Data Store (ODS) address. This field can be a maximum of 255 characters.
Key	Type the key. This field can be a maximum of 50 characters.
Secret	Type the secret. This field can be a maximum of 50 characters.

❑ Click **Save**.

Other functions and features:

Retrieve Exchange Credentials **Onboard to The Exchange** **Reset Exchange Credentials**	The button label changes based on the LEA's Exchange status. **Non-Exchange Clients**: Click the **Retrieve Exchange Credentials** button to create credentials for The Exchange. This process is for LEAs that have not previously been issued credentials. For example: ∘ LEAs that currently have TEA credentials. ∘ LEAs that need to create a new connection record (e.g., new ASCENDER client). ∘ LEAs that have not yet converted to The Exchange and need to create a credentials record for the new school year. **Note**: When the **Retrieve Exchange Credentials** button is clicked, the button updates the **API URL** field, the **Key** field, the **Secret** field, and changes the button to **Onboard to The Exchange**. Click the **Onboard to The Exchange** button only during the **One Touch Onboarding** window to initiate the transfer of data from ASCENDER to The Exchange. **NOTE**: LEAs will be notified by their ASCENDER Manager as to when it is time to initiate the transfer. After clicking the **Onboard to The Exchange** button, a pop-up window opens with the following warning message: You are about to onboard this district to The Exchange by creating Exchange credentials in ASCENDER. This process will establish a connection from ASCENDER to The Exchange. Existing TEA credentials will **not** be shared with The Exchange automatically. The initial Extract and API processing may take an extended amount of time due to the extraction and processing of data. **Do NOT** proceed until the Data Privacy Agreement and Exchange License Agreement have been completed with your local ESC, and your local ESC has confirmed that you are ready to onboard to The Exchange. By clicking **Yes** to proceed, you acknowledge the potential risks and confirm that you have met the above requirements. **Note**: When the **Onboard to The Exchange** button is clicked, the button updates the **API URL** field (with the Exchange URL), the **Key** field, the **Secret** field, and changes the button to **Reset Exchange Credentials**. --- **Existing Exchange Clients**: Click the **Reset Exchange Credentials** button to reset credentials. The client ID will stay the same and a new secret will be generated. **Note**: When the **Reset Exchange Credentials** button is clicked, the button only updates the **Secret** field, the **API URL** and **Key** fields remain the same.
Retrieve	Click to retrieve information from the last save. If you click **Retrieve**, any unsaved changes will be lost.

- District Administration > Options > TSDS > Domains & Entities

Domains & Entities - DA2100

District Administration > Options > TSDS > Domains & Entities

This tab is used to extract and send Texas Student Data System (TSDS) data to Texas Education Agency (TEA) for Ed-Fi processing.

> **IMPORTANT**: Use the ASCENDER TSDS New School Year Best Practice Guide to assist you in making selections of the domains and entities to send to TSDS.

Submission Levels:

This tab consists of four submission levels, each including the specified domains and entities per TEA requirements. Each submission level is dependent on the prior level. For example, you must first select all **First Level Submission** domains prior to selecting and saving any **Second Level Submission** domains/entities, and so on.

- Once a domain/entity has been selected and successfully submitted and accepted by TEA, the associated checkbox remains selected and disabled for the remainder of the submission school year (**Submission Year**).
- Any changes within the submitted domain/entity will continue to be included in Ed-Fi processing for the specified submission school year.
- **It is recommended** that you **do not** select all **Submission Levels** during the same instance.

Additional Dependencies:

> **Note**: These dependencies originate from Ed-Fi/TSDS but are being separated to enhance clarity and processing efficiency.

- Enrollment Domain **depends** on Student Identification and Demographic > Student
- Student Identification and Demographic Domain > StudentEducationOrganizationAssociation **depends** on Enrollment Domain
- Teaching and Learning > Course Offering **depends** on Teaching and Learning > Course
- Teaching and Learning > Section **depends** on Teaching and Learning > CourseOffering
- Teaching and Learning > StaffSectionAssociation **depends** on Teaching and Learning > Section
- Teaching and Learning > StudentSectionAssociation **depends** on Teaching and Learning > Section
- Student Attendance > StudentProgramAttendanceEvent **depends** on Alternative and Supplemental Services Domain

Saving and Sending Data:

After considering the above dependencies, select and save the applicable domains. The saved selections on this tab are not dependent on the logged-on user and once saved, will be used in the Extract & Send process to extract and send data to TEA.

Data transmission occurs in two ways:

Method	Description
Automatic	Scheduled extracts run every weekday (Monday-Friday) starting at 6:15 PM until 2 AM. At 2 AM, the overnight system backups begin. The weekend run only includes Saturday and begins at 5:30 AM until 11:30 PM. **Note**: If the LEA has been migrated to Ed-Fi Sync, the overnight Chron job only processes once per night. For all remaining LEAs, no additional TSDS Chron jobs should be kicked off after midnight so those starting after midnight thru the 4:15 AM timeframe will be stopped.
Manual	Users can initiate data transmission to TEA on demand by clicking the **Extract & Send** button.

Note: If a manual data transmission is already in progress, the scheduled extract **will not** run.

Extract & Send Process:



The automatic nightly TSDS Extract/Send process is disabled for prior school years effective the day after the fourth Thursday in August. To generate or send data for a prior school year, use the **Extract & Send** button.

Note: The **Extract & Send** button is disabled if the Ed-Fi API Connection Migration flag is set to Y. This allows only API commands to process data.

The data is extracted from ASCENDER tables, transformed per TEA requirements to meet the national Ed-Fi data standard, and loaded into the ASCENDER Ed-Fi staging tables.

❑ If the **Extract & Send** process occurs via the automatic scheduled extract, the TSDS extract emails are generated at 6:15 AM. These emails include the TSDS Extract Error report as well as the Prior Year Actuals, Budget, and Payroll reports (as applicable), and are sent to the defined TSDS Extract Errors Distribution List on the District Administration > Options > TSDS > Options tab.

❑ If the Extract & Send process occurs manually via the **Extract & Send** button, the TSDS Extract Errors report is not generated and emailed; however, you can navigate to the District

Administration > Inquiry > TSDS Level 1 Errors page and click **Extract Errors Reprint** to generate the TSDS Extract Errors report from the last instance of the Extract & Send process.

Notes:

- The TSDS Extract Errors report is not cumulative and only displays errors from one day.
- The listed errors are only displayed on the error report until they are corrected.
- Data errors listed on the TSDS Extract Errors report do not necessarily mean that you will have TSDS Level 1 Errors.
- TSDS extract errors are typically data errors that require record(s) in ASCENDER to be corrected.
- If the **Extract TSDS** database column is set to 0, the Budget and Payroll extract file/PDF will not be generated and sent via email. This discontinues the emails for Budget and Payroll until after the Fiscal Year Close process is done for the current year. If the **Extract TSDS** database column is set to 1, 2 or 3, the Budget and Payroll extract/PDF will be generated and emailed as usual.

After the data extracted, transformed, and loaded into the ASCENDER Ed-Fi staging tables, the data is then transmitted in an Ed-Fi JSON file via Application Programming Interface (API) processing to an Operational Data Store (ODS) at TEA where it may or may not land successfully.

- Data errors are marked as so in the staging tables and listed in the TSDS Level 1 Error Report.
- You must research errors and correct data in ASCENDER.
- If you are unable resolve an error, contact your regional ESC consultant for further assistance.

ASCENDER Resources:

- Preparing for the TSDS Upgrade Guide

Texas Education Agency (TEA) Resources:

- Online TWEDS
- TSDS Resources - Includes a link to the official TSDS Domain Dependency chart.
- TSDS Upgrade Project Training Materials

Retrieve a record:

Field	Description
Submission Year	Type the submission year set by the Texas Education Agency (TEA) in the YYYY format. This is the ending year of the school year for which you will be submitting data (e.g., 2024-2025 school year; **Submission Year** = 2025). The submission year is edited to ensure a valid year is entered and that code table data is loaded for the year specified.

❑ Click **Retrieve**. The record for the specified submission year is displayed.

❑ Select the applicable submission levels (domains/entities).



TIP: Be sure to review and consider the dependencies outlined in the introduction (green box).

❑ Under **First Level Submission**:

Education Organization Domain & Descriptors	• LocalEducationAgency • EducationServiceCenter • SSAOrgAssociationExt(TX) • School
School Calendar Domain	• Calendar • CalendarDate • Session • ReportingPeriodExt(TX) • Grading Period*

Exchange clients only: An asterisk (*) indicates a *Data Beyond TSDS Domain/Entity*. If any issues are encountered with this data, submit an Exchange ticket.

❑ Under **Second Level Submission**:

Student Application Domain	• StudentApplication(TX)

Student Identification and Demographic Domain:

Student	
Parent	
StudentParentAssociation	
StudentEducationOrganizationAssociation	
Enrollment Domain	• StudentSchoolAssociation • StudentEducationOrganizationResponsibilityAssociation • GraduationPlan*
Staff Domain	• Staff • StaffEducationOrganizationAssignmentAssociation • StaffEducationOrganizationEmploymentAssociation • StaffSchoolAssociation
Prior Year Leaver Domain	• PriorYearLeaver(TX) • PriorYearLeaverParent • PriorYearLeaverStudentParentAssociation

Exchange clients only: An asterisk (*) indicates a *Data Beyond TSDS Domain/Entity*. If any issues are encountered with this data, submit an Exchange ticket.

❑ Under **Third Level Submission**:

Finance Domain	• PriorYearActualExt(TX) • BudgetExt(TX) • SharedServiceArrangementExt(TX) • PayrollExt(TX) • ContractedInstructionalStaffFTEExt(TX)
Alternative and Supplemental Services Domain	• Program • StudentCTEProgramAssociation • StudentTitle1PartAProgramAssociation • Student Special EducationProgramAssociation • StudentLanguageInstructionProgramAssociation

Teaching and Learning Domain:

Course	
CourseOffering	
Section	
StaffSectionAssociation	
StudentSectionAssociation	
Student Grade Domain	• Grade*

Exchange clients only: An asterisk (*) indicates a *Data Beyond TSDS Domain/Entity*. If any issues are encountered with this data, submit an Exchange ticket.

❑ Under **Fourth Level Submission**:

Discipline Domain	• DisciplineIncident • StudentDisciplineIncidentBehaviorAssociation • DisciplineAction
Restraint Event Domain	• RestraintEvent
Student Academic Record Domain	• StudentAcademicRecord • CourseTranscript

Student Attendance Domain:

StudentSchoolAttendanceEvent	
StudentProgramAttendanceEvent	• BasicReportingPeriodAttendance(TX) • SpecialProgramsReportingPeriodAttendance(TX) • SpecialEducationProgramReportingPeriodAttendance(TX) • CTEProgramReportingPeriodAttendance(TX) • BilingualESLProgramReportingPeriodAttendance(TX) • FlexibleRegularProgramReportingPeriodAttendance(TX) •FlexibleSpecialEducationProgramReportingPeriodAttendance(TX) • FlexibleCTEProgramReportingPeriodAttendance(TX) • FlexibleBilingualESLProgramReportingPeriodAttendance(TX) • ExtendedSchoolYearServicesAttendance(TX)
Student Special Education Program Eligibility Association Domain	• StudentSpecialEducationProgramEligibilityAssociation(TX)

❑ Click **Save**. If any errors exist on the tab, the TSDS Errors pop-up window is displayed. Review and correct the errors to continue. The selections must be successfully saved prior to

clicking **Extract & Send**.

❑ Once you are satisfied with the status of your data, click **Extract & Send** to manually start the Extract & Send process. The Extract & Send pop-up window is displayed with a warning about the effects of continuing the process.

- Click **Yes** to continue. The Extract & Send process is initiated.
  - The **Extract & Send** and **Save** buttons are disabled.
  - A message is displayed at the top of the tab indicating that the Extract & Send process is currently in progress with an as-of time/date stamp.
    - The message is displayed on the tab until the process is completed.
    - The message informs other users who access the tab that the process is in progress.
- Click **No** to return to the Domains & Entities tab.

❑ Click **Send Status** to view the extract status details. Domains/entities with no data sent are excluded from this list. The Send Status pop-up window is displayed with the following details:

- **Domain**
- **Entity**
- **Total Nbr Records**
- **Success** percentage
- **Extract Start Time** - Indicates the time the extract started sending data to the staging table.
- **Extract End Time** - Indicates the time the extract completed sending data to the staging table.
- **Send Start Time** - Indicates the time the API started sending data to the Operational Data Store (ODS).
- **Send End Time** - Indicates the time the API completed sending data to the Operational Data Store (ODS).

❑ If you have the appropriate access, you will see checkboxes for each Domain/Entity (row). You can use the extract and send buttons to extract/send data as needed. Only one Domain/Entity (row) can be selected and processed at a time.

❑ Click **Extract & Send** to extract data to the staging table and send data via the API to the Operational Data Store (ODS).

❑ Click **Extract Only** to **only** extract data to the staging table.

❑ Click **Send Only** to **only** send data via the API to the Operational Data Store (ODS).



Click here to see how the **Time** fields correspond to the execution of the **Extract & Send**, **Extract Only**, and **Send Only** buttons.

❑ Click **Cancel** to return to the Domains & Entities tab.

Notes:

- This information can be used as a measure in the decision to continue adding entities/domains to the Extract & Send process.
- If the success rate is lower than the recommended threshold of 90%, a warning message is displayed next to the **Send Status** button to inform users that it is not recommended to add and send additional domains/entities at this time.
- Incomplete or low success percentage entities will likely lead to errors for dependent endpoints.
- Access the TSDS Resources page and click *Domain Dependencies* to view the current TSDS Domain Dependency chart. Use the chart to troubleshoot errors.

Other functions and features:

Retrieve	Click to retrieve information from the last save. If you click **Retrieve**, any unsaved changes will be lost.
Reset	If the last attempt to run the process takes longer than 4 hours, the **Reset** button is enabled, allowing you to restart the process. Click **Reset** to clear the attempt. Before restarting the process, ensure your TSDS Level 1 Errors are addressed. After doing so, you can either click **Extract & Send** to manually start the process again or wait for the automatic scheduled extract (Monday-Friday at 6:00 PM) to occur.

- District Administration > Inquiry > TSDS Level 1 Errors

TSDS Level 1 Errors - DA4550

District Administration > Inquiry > TSDS Level 1 Errors

This page is used to view and print a listing of Level 1 errors that occurred in various domains/entities when the API interface files begin processing into the TEA database. ASCENDER does not control the content of these errors.

All TSDS Level 1 Error reports are displayed and printed in landscape orientation by default.

School Year	Select a school year from the drop-down menu or select **ALL** so all available school years can be selected and included in the reports.

View and print errors:

A list of domains and entities is displayed along with the number of errors associated.

Select ❑ next to the domains (rows) to be included in the report. If multiple domains are selected, the report prints in dependency order (Domain > Entity), which is the same order used in the Ed-Fi error log.

Field	Description
Domain	Displays the Ed-Fi domain name where the error(s) occurred (e.g. Education Organization).

Field	Description
Entity	Displays the entity within the Ed-Fi domain where the error(s) occurred (e.g. LocalEducationAgency).
Number of Errors	Displays the number of errors that occurred within the entity.

❑ Click **Print**. The report is displayed with the error details as reported by TEA. The report includes key details for each entity within the domain; however, some endpoints may or may not be populated depending on the error.

Note: If included in the report, the **Action Type** column displays the expected action of the record that was sent to the Operational Data Store (ODS):

- **I** - Insert
- **U** - Update
- **D** - Delete

TSDS Level 1 Errors Guidance

Application Programming Interface (API) Error Response Codes

API Error Response Codes Guidance

API Error Response Codes Guidance

HTTP Code	Example Message	How to Fix
400	Validation of 'RESOURCE' failed. FIELD is required.	An element of the JSON that is required is missing and needs to be added. Required fields are marked with '*' in swagger https://api.ed-fi.org/v6.1/docs/swagger/index.html?urls.primaryName=Resources
400	'RESOURCE' failed. 'RESOURCE' reference could not be resolved.	A resource that was referenced from an entity does not yet exist: load the dependency resource first. See https://techdocs.ed-fi.org/display/ODSAPIS3V61/Resource+Dependency+Order
401	Unauthorized	Unauthorized. The request requires authentication. The OAuth bearer token was either not provided or is invalid/expired.
403	Authorization denied. The claim does not have any established relationships with the requested resource	**Likely Causes**: 1. Your API credentials are not associated with the proper EducationOrganization or Namespace. See information under the section of this guide on “Authorization”. 2. The API cannot tie the resource you are creating or updating to a “root” entity for which you are authorized. For example, you may be trying to update a Student, but if that student is not enrolled (via StudentSchoolAssociation) the request will fail, as the API cannot determine that your client is authorized. 3. When the record is person-based (e.g., Attendance, Grades, Section Associations), it usually means the Student, Staff, or Parent record is not in the ODS so the records being sent for that person cannot be created.
409	A natural key conflict occurred when attempting to create a new resource 'RESOURCE' with a duplicate key.	The Ed-Fi API has a natural key system alongside a standard REST ID system. This error is often protecting against the erroneous creation of a duplicate record in the API. Unique Key Violation, referential errors: particularly anything that doesn't involve people or EdOrgs.
409	The resource (or a subordinate entity of the resource) cannot be deleted because it is a dependency of the 'RESOURCE' entity	The resource that the application is attempting to delete is referenced from another entity. Delete the other dependent entity first.

TSDS Level 1 Errors

TSDS Level 1 Errors - Load Order

Load Order

Domain Name	Resource/Entity
Education Organization Domain	EducationServiceCenter LocalEducationAgency School SSAOrgAssociationExt(TX)
Student Identification and Demographics Domain	Parent Student StudentParentAssociation
School Calendar Domain	Calendar CalendarDate Session
Staff Domain	Staff StaffEducationOrganizationAssignmentAssociation StaffEducationOrganizationEmploymentAssociation StaffSchoolAssociation
Enrollment Domain	StudentSchoolAssociation StudentEducationOrganizationAssociation StudentEducationOrganizationResponsibilityAssociation
Restraint Event Domain Entity	RestraintEventExtension
Finance Domain	PriorYearActualExt BudgetExt PayrollExt SharedServiceArrangementExt
Discipline Domain	DisciplineIncident StudentDisciplineIncidentAssociation DisciplineAction
Student Application Domain	StudentApplication
Teaching and Learning Domain	CourseOffering Section StaffSectionAssociation StudentSectionAssociation
Student Academic Record Domain	CourseTranscript StudentAcademicRecord
Alternative and Supplemental Services Domain	Program StudentCTEProgramAssociation StudentLanguageInstructionProgramAssociation StudentSpecialEducationProgramAssociation StudentTitleIPartAProgramAssociation
Prior Year Leaver Domain	PriorYearLeaver PriorYearLeaverParents PriorYearLeaverStudentParentAssociation
Assessment Domain	Assessment Student Assessment
Student Cohort	Cohort StaffCohortAssociation StudentCohortAssociation

TSDS Level 1 Errors - Education Organization Domain

Education Organization Domain

Resource/Entity	Error Message	Issue
Schools	**400 BAD_REQUEST** {message: “Validation of 'School' failed.\n\tSchoolGradeLevels requires at least one object in the collection.\n.”}	Check Low and High Grade Level.

TSDS Level 1 Errors - School Calendar Domain

School Calendar Domain

Resource/Entity	Error Message	Issue
CalendarDate	**409 CONFLICT** {message: “The value supplied for the related 'calendar' resource does not exist.”}	Calendar date does not associate with a calendar.
CalendarDate	**400 BAD_REQUEST** {message: “Validation of 'CalendarDate' failed. Validation of 'Extensions' failed. CalendarDateExtension (TX): The field SchoolDayOperationalMinutes must be between 0 and 600.”}	Review Calendar Operational Minutes.
Session	**400 BAD REQUEST** {message: “Validation of 'Session' failed. Unable to resolve value 'uri:/local.texas.gov/TermDescriptor#1' to an existing 'TermDescriptor' resource.”} **NOTE**: May affect other domains.	The TEA-defined Claim Sets do not allow vendors to create and send local descriptor values. By default, vendors are only able to send TEA or Ed-Fi namespace values. TEA will be updating their Claim Sets to allow vendors to create and send local values. Workaround: A user-defined Claim Set can be created in the interim to allow for local values to be created and supplied by the vendor. Users can clone the existing TEA-defined Claim Sets and modify the create, read, update, and delete rights on the descriptor resources.

TSDS Level 1 Errors - Student Identification and Demographics Domain

Student Identification and Demographics Domain

Resource/Entity	Error Message	Issue
Parent	**400 BAD_REQUEST** {message: “Validation of 'Parent' failed.\n\tValidation of 'ParentAddresses' failed.\n\t\tParentAddress[0]: AddressTypeDescriptorId is required.\n\t\tParentAddress[0]: PostalCode is required.\n\t\tParentAddress[0]: StreetNumberName is required}.	Street name, street number, and the parent's postal code are required fields that are missing.
Parent	**400 BAD_REQUEST** {message: “Validation of 'Parent' failed.\n\tValidation of 'ParentAddresses' failed.\n\t\tParentAddress[0]: AddressTypeDescriptorId is required.\n”}.	Parent Street name information is missing.
Parent	**403 FORBIDDEN** {message: “Authorization denied. No relationships have been established between the caller's education organization id claim (194902) and the resource item's 'ParentUniqueId' value.”}	Check the ODS to see if the Parent is loaded.
Parent	**400 BAD_REQUEST** {message: “Validation of 'Parent' failed. FirstName is required.”}	Parent's first name is missing.
Student	**400 BAD_REQUEST** {message: “Unable to resolve value “uri:/tea.texas.gov/AsOfStatusLastDayEnrollmentDescriptor#B” to an existing “AsOfStatusLastDayEnrollmentDescriptor” resource.”}	AsOfStatus must be 'H' or “I'.
Student	**400 BAD_REQUEST** {message: “Validation of 'Student' failed. Unable to resolve value 'uri:/tea.texas.gov/CrisisEventDescriptor#10' to an existing 'CrisisEventDescriptor' resource.”}	Value must be valid in C178-CrisisEvent.
Student	**403 FORBIDDEN** {message: “Authorization denied. No relationships have been established between the caller's education organization id claim (194902) and the resource item's 'StudentUniqueId' value.”}	—-
StudentParentAssociation	**409 CONFLICT** {message: “Access to the resource item could not be authorized because the 'Student' was not found.”}	Student was not loaded to ODS.
StudentParentAssociation	**400 BAD_REQUEST** {message: “Validation of 'StudentParentAssociation' failed. Parent reference could not be resolved.”}	Parent was not loaded to ODS.
StudentParentAssociation	**403 FORBIDDEN** {message: “Authorization denied. No relationships have been established between the caller's education organization id claim (194902) and one or more of the following properties of the resource item: 'ParentUniqueId', 'StudentUniqueId'”}	Parent/student are not associated together.
StudentParentAssociation	**403 FORBIDDEN** {message: “Authorization denied. No relationships have been established between the caller's education organization id claim (194902) and the resource item's 'StudentUniqueId' value.”}	Student or parent was not loaded to ODS.

TSDS Level 1 Errors - Teaching and Learning Domain

Teaching and Learning Domain

Resource/Entity	Error Message	Issue
EDFI_CRS_OFFRNG_STG	**409 CONFLICT** {message: “The value supplied for the related 'course' resource does not exist.”}	Course does not exist in ODS.
EDFI_CRS_OFFRNG_STG	**400 BAD_REQUEST** {message: “Unable to resolve value 'uri:/tea.texas.gov/GradeLevelDescriptor#5' to an existing 'GradeLevelDescriptor' resource.”}	Grade level is missing leading 0.
EDFI_CRS_OFFRNG_STG	**409 CONFLICT** {message: “The value supplied for the related 'session' resource does not exist.”}	Session does not exist in ODS.
Section	**400 BAD_REQUEST** {message: “Validation of 'Section' failed. Validation of 'AggregateExtensions' failed. Validation of 'SectionSets (TX)' failed. SectionSet[0]: The field CTEHours must be between 1 and 3.”}	CTE Hours must be between '1' and '3'.
Section	**409 CONFLICT** {message: “The value supplied for the related 'courseOffering' resource does not exist.”}	Course for section does not exist in course offering.
StaffSectionAssociation	**403 FORBIDDEN** {message: “Authorization denied. No relationships have been established between the caller's education organization id claim (194902) and one or more of the following properties of the resource item: 'SchoolId', 'StaffUniqueId'.}	Verify if Staff member is loaded to the ODS.
StaffSectionAssociation	**409 CONFLICT** {message: “The value supplied for the related 'section' resource does not exist.”}	Section does not exist in ODS.
StudentSectionAssociation	**409 CONFLICT** {message: “Access to the resource item could not be authorized because the 'Staff' was not found.”}	Student does not exist in ODS.
StudentSectionAssociation	**409 CONFLICT** {message: “The value supplied for the related 'section' resource does not exist.”}	Section does not exist in ODS.
StudentSectionAssociation	**403 FORBIDDEN** {message: “Authorization denied. No relationships have been established between the caller's education organization id claim (194902) and one or more of the following properties of the resource item: 'SchoolId', 'StudentUniqueId'.”}	Student is not associated with School.

TSDS Level 1 Errors - Staff Domain

Staff Domain

Resource/Entity	Error Message	Issue
Staff	**400 BAD_REQUEST** {message: “Validation of 'Staff' failed. Validation of 'StaffAddresses' failed. StaffAddress[0]: StreetNumberName property is part of the primary key and therefore its value cannot contain leading or trailing whitespace.”}	Review Staff address for leading or trailing blank space.
StaffEducationOrganizationEmploymentAssociation	**400 BAD_REQUEST** {message: “Validation of 'StaffEducationOrganizationEmploymentAssociation' failed. Staff reference could not be resolved.”}	Verify if Staff member is loaded to the ODS.
StaffEducationOrganizationEmploymentAssociation	**400 BAD_REQUEST** {message: “Validation of 'StaffEducationOrganizationEmploymentAssociation' failed. Validation of 'Extensions' failed. StaffEducationOrganizationEmploymentAssociationExtension (TX): The field NumberDaysEmployed must be between 1 and 3.”}	Value must be greater than 0.

TSDS Level 1 Errors - Enrollment Domain

Enrollment Domain

Resource/Entity	Error Message	Issue
StudentSchoolAssociation	**400 BAD_REQUEST** {message: “Validation of 'StudentSchoolAssociation' failed. Student reference could not be resolved.”}	Student reference does not match with School.
StudentSchoolAssociation	**409 CONFLICT** {message: “The value supplied for the related 'calendar' resource does not exist.”}	Track does not match with calendar.
StudentEducationOrganizationAssociation	**409 CONFLICT** {message: “Access to the resource item could not be authorized because the 'Student' was not found.”}	Student does not exist in ODS.
StudentEducationOrganizationAssociation	**400 BAD_REQUEST** {message: “Validation of 'StudentEducationOrganizationAssociation' failed. Unable to resolve value 'uri:/tea.texas.gov/HomelessStatusDescriptor#1' to an existing 'HomelessStatusDescriptor' resource.”}	HomelessStatus value is not accepted by TEA.

TSDS Level 1 Errors - Student Academic Record Domain

Student Academic Record Domain

Resource/Entity	Error Message	Issue
StudentAcademicRecord	**409 CONFLICT** {message: “Access to the resource item could not be authorized because the 'Student' was not found.”}	Student does not exist in ODS.

TSDS Level 1 Errors - Finance Domain

Finance Domain

Resource/Entity	Error Message	Issue
PriorYearActualExt	**400 BAD_REQUEST** {message: “Unable to resolve value 'uri:/tea.texas.gov/ProgramIntentDescriptor#32' to an existing 'ProgramIntentDescriptor' resource.”}	Program Intent value is not accepted by TEA.
PriorYearActualExt	**400 BAD_REQUEST** {message: “Unable to resolve value 'uri:/tea.texas.gov/ObjectDescriptor#3700' to an existing 'ObjectDescriptor' resource.”}	Object value is not accepted by TEA.
PayrollExt	**400 BAD_REQUEST** {message: “Unable to resolve value 'uri:/tea.texas.gov/ProgramIntentDescriptor#30' to an existing 'ObjectDescriptor' resource.”}	Program Intent value is not accepted by TEA.
PayrollExt	**403 FORBIDDEN** {message: “Authorization denied. No relationships have been established between the caller's education organization id claim (194902) and the resource item's 'StaffUniqueId' value.”}	Staff member does not exist in ODS.
PayrollExt	**409 CONFLICT** {message: “Access to the resource item could not be authorized because the 'Staff' was not found.”}	Staff member does not exist in ODS.
ContractedInstructionalStaffFTEExt	**400 BAD_REQUEST** {message: “Validation of 'ContractedInstructionalStaffFTEExt' failed. The field TotalContractedInstrStaffFTE must be between 0.01 and 999.99.”}	TotalContractedInstrStaffFTE must be between 0.01 and 999.99.

TSDS Level 1 Errors - Alternative and Supplemental Services Domain

Alternative and Supplemental Services Domain

Resource/Entity	Error Message	Issue
StudentCTEProgramAssociation	**400 BAD_REQUEST** {message: “Validation of 'StudentCTEProgramAssociation' failed.\n\tStudent reference could not be resolved.\n.”}	Verify that the student is loaded into the ODS.
StudentLanguageInstructionProgramAssociation	**400 BAD_REQUEST** {message: “Validation of 'StudentLanguageInstructionProgramAssociation' failed. Student reference could not be resolved.”}	Verify that the student is loaded into the ODS.
StudentSpecialEducationProgramAssociation	**400 BAD_REQUEST** {message: “Validation of 'StudentSpecialEducationProgramAssociation' failed. Student reference could not be resolved. ”}	Verify that the student is loaded into the ODS.
StudentSpecialEducationProgramAssociation	**400 BAD_REQUEST** {message: “Validation of 'StudentSpecialEducationProgramAssociation' failed.\n\tUnable to resolve value 'uri:/tea.texas.gov/ToolOrAssessmentUsedDescriptor#01' to an existing 'ToolOrAssessmentUsedDescriptor' resource.\n.”}	Value must be valid in C320 - ToolOrAssessmentUsed.
StudentSpecialEducationProgramAssociation	**400 BAD_REQUEST** {message: “Validation of 'StudentSpecialEducationProgramAssociation' failed. Validation of 'AggregateExtensions' failed. Validation of 'StudentSpecialEducationProgramAssociationStudentResidentialFacilityAssociations (TX)' failed.”}	Review Residential Facility data.
StudentTitleIPartAProgramAssociation	**400 BAD_REQUEST** {message: “Validation of 'StudentTitleIPartAProgramAssociation' failed. Student reference could not be resolved.”}	Verify that the student is loaded into the ODS.
tbd	**409 CONFLICT** {message: “Access to the resource item could not be authorized because the 'Student' was not found.”}	Verify that the student is loaded into the ODS.

TSDS Level 1 Errors - Discipline Domain

Discipline Domain

Resource/Entity	Error Message	Issue
StudentDisciplineIncidentAssociation	**409 CONFLICT** {message: “Access to the resource item could not be authorized because the 'Student' was not found.”}	Verify that the student is loaded into the ODS.
StudentDisciplineIncidentAssociation	**403 FORBIDDEN** {message: “Authorization denied. No relationships have been established between the caller's education organization id claim (194902) and one or more of the following properties of the resource item: 'SchoolId', 'StudentUniqueId'.”}	Check if Schools are loaded, then check to see if the student with that specific, unique student ID is loaded for the specific School in the ODS.

TSDS Level 1 Errors - Prior Year Leaver Domain

Prior Year Leaver Domain

Resource/Entity	Error Message	Issue
Prior Year Leaver	**400 BAD_REQUEST** {message: “Validation of 'PriorYearLeaver' failed. FirstName is required.”}	Leaver student First Name is missing.
Prior Year Leaver	**400 BAD_REQUEST** {message: “Validation of 'PriorYearLeaver' failed. AsOfStatusLastFridayOctoberDescriptorId is required.”}	AsOfStatusLastFridayOctoberDescriptor is a required field and that information is missing.
Prior Year Leaver	**400 BAD_REQUEST** {message: “Validation of 'PriorYearLeaver' failed. Unable to resolve value 'uri:/tea.texas.gov/ExitWithdrawTypeDescriptor#80' to an existing 'ExitWithdrawTypeDescriptor' resource.”}	Value must be valid in C162 - ExitWithdrawType.
Prior Year Leaver	**400 BAD_REQUEST** {message: “The request is invalid.”,“modelState”: {“request. Id”: [“The value 'id' is not valid for Id.”],“request. BirthCity”: [],“request. BirthDate”: [“The value 'birthDate' is not valid for BirthDate”}	Leaver Birth City and Birth Date are required fields and are missing. Birth Date format is missing hyphen.
Prior Year Leaver	**400 BAD_REQUEST** {message: “Validation of 'PriorYearLeaver' failed. Validation of 'PriorYearLeaverIndustryBasedCertificationSets' failed. PriorYearLeaverIndustryBasedCertificationSet[0]: PostSecondaryCertLicensureResultDescriptorId is required.”}	The Result field for Industry Based Certification is missing. Change school year to prior year. If district uses the GradPlan application, go to Graduation Plan > Maintenance > Student > Individual Maintenance > PGP tab > Industry Based Certification section. If district does not use GradPlan application, go to Registration > Maintenance > Student Enrollment > Graduation tab > Industry Based Certification section.

Other functions and features:

The following buttons allow you to reprint the extract reports from the last instance of TSDS Processing. These reports are not resent to the TSDS email distribution lists on the District

Administration > Options > TSDS > Options tab.

Extract Errors Reprint	Click to print the TSDS Extract Errors report. The report opens in a separate preview window and can be printed in PDF format. Review the report.
Extract Prior Year Reprint	Click to print the TSDS Prior Year Actuals report. The report opens in a separate preview window and can be printed in PDF format. Review the report.
Extract Budget Reprint	Click to print the TSDS Budget Data Extract report. The report opens in a separate preview window and can be printed in PDF format. Review the report.
Extract Payroll Reprint	Click to print the TSDS Payroll Extract report. The report opens in a separate preview window and can be printed in PDF format. Review the report.

Known Issues

- Issues as of 12/17/2024

Domain/Fatal	Issue	Reported Date	Release/Release Date
Entity: StaffSectionAssociation	Add **AdditionalDaysProgramTeacher** Changed *NumberOfStudentInClass* to *NumberOfStudentsInClass*	—-	9.0305
Entity: School	Unchecking **Exclude from District Reporting** does not update the datetimestamp.	—-	9.0305
Student.Name	First, Middle and Last name fields are currently limiting characters/length.	—-	9.0305
Entity: StudentEducationOrganizationAssociation > PKFundingSourceSet	If an existing PKFundSource is updated, the updated value is not being sent to TSDS.	—-	9.0305
Prior Year Leaver	IBC records for all years are being sent to the IndustryBasedCertificationSet for Prior Year Leavers.	—-	9.0305
Prior Year Leaver	No Show data is not being reported in the PriorYearLeaver Entity and PriorYearYearLeaverParent Entity, but is being reported to the PriorYearLeaverStudentParentAssociation.	—-	9.0305
Entity: StudentLanguageInstructionProgramAssociation	TEA updated the StudentLanguageInstructionProgramAssociation Entity in the 2025.2.0 change log, but ASCENDER has not yet implemented these changes. If the LEA altered the data after TEA's rollout of 2025.2.0 and 2025.2.1 to Production on October 4th, they may encounter errors due to the data not being processed correctly.	—-	10/23/24 9.0200
Prior Year Leaver	Invalid Prior Year Leaver IBC records are being extracted, causing TSDS fatal errors.	—-	TBD
—-	The following error message **At Risk: The 'At-Risk' checkbox cannot be deselected when As of Status Last Friday October Code is X.** is triggered for As of Status codes B,D,F or X and when a student has a Homeless record and does not have an At-Risk record. This error is valid based on TSDS Rule 40100-0146 - On the PEIMS Fall snapshot date, if *HomelessStatus* is not blank, and *AsOfStatusLastFridayOctober* is "B", "D", "F", or "X", then a *StudentCharacteristic* of At Risk ("01") must be reported. A programming update is needed to update the error message.	—-	TBD
—-	The Title 1 Code Conversion is assigning student Title 1 codes incorrectly. This happens when the user selects Code 6 during the initial retrieval of this page. **Current workaround**: • Go to Registration > Utilities > Title 1 Code Conversion • Select any code other than 6 then run the utility. • Once complete, click OK. Do not exit the Title 1 Code Conversion Utility • Select code 6 then run the utility. • Once complete, verify that the records were updated to code 6.	—-	TBD
—-	Update the Prior Year Leaver user interface to allow a blank Attribution Code and Asylee Refugee Code.	x/x/xx	9.0200
AlternativeandSupplementalServices	LEAOfRDSPDService 000000 is being sent for all Special Education students.	9/24/2024	—-

Domain/Fatal	Issue	Reported Date	Release/Release Date
ClassroomPositionSet	In April 2024 TEA added *ClassroomPositionSet* to the ODS, however they will remove this set in 2025. Additionally, TCC will not be updating ASCENDER software to send this data for 2024; therefore, users should expect to continue to receive *StaffSection* errors and should ignore these errors on logs.	6/21/2024	—-
—-	TSDS Extract Errors Report and Level 1 Errors are blank.	2/13/24	Expected 8.0605
Teaching and Learning CourseOffering	Error: The value supplied for the related 'course' resource does not exist. Confirmed TCC issue. ASCENDER is currently only sending local course Service IDs to the Teaching and Learning > Course endpoint; however, TEA did not load all C022 courses and ASCENDER will now need to send both the local course codes, CTE codes, and the staff service codes (SA, SE, SR, and SS) when used by the LEA.	2/8/24	TBD
StaffSchoolAssociation StaffEducationOrganizationAssignmentAssociation	Error: Validation of 'StaffEducationOrganizationAssignmentAssociation' failed. Validation of 'AggregateExtensions' failed. StaffEducationOrganizationAssignmentAssociationStaffServiceSets (TX) requires at least one object in the collection. Confirmed TCC issue.	2/7/24	TBD
Education Organization EducationServiceCenter	A recurring Level 1 error has been reported as shown below. This is an ASCENDER problem that occurs when an LEA changes the ESC County District Number as it is not flowing to TSDS correctly. This issue will be added to the known issues log. 409 CONFLICT {“message”: “A natural key conflict occurred when attempting to create a new resource 'EducationOrganization' with a duplicate key. The duplicated columns and values are [EducationOrganizationId](CCCDDD) This is likely caused by multiple r	1/1/24	Expected 8.0605
—	TCC is aware that TSDS Customer Support is e-mailing LEAs to let them know that they have generated an excessive number of API Level 1 Errors within the past 24 hours and the volume of errors is negatively affecting performance. **Workaround**: Self-managed and hosted LEAs can have the ESC turn off the curl command to stop sending the data. Data center managed LEAs can have the ESC submit a technical ticket to turn off the curl command to stop sending the data.	1/31/24	2/7/24 8.0600
Finance Domain PayrollExt	LEAs are receiving the following Level 1 Error in the Finance.PayrollExt Entity. TCC is working to correct this issue. Error: EdFi.Ods.Api.Services.Controllers.TX.PayrollExts.PayrollExtsController - MESSAGE: Post System.ComponentModel.DataAnnotations.ValidationException: Validation of 'PayrollExt' failed. PayrollFunctionDescriptorId is required. PayrollFundDescriptorId is required. PayrollObjectDescriptorId is required. PayrollProgramIntentDescriptorId is required.	12/1/23	2/7/24 8.0600
1/24/2024	TSDS Extracts and Nightly Emails: Thank you all for your patience as we have been going through a couple hundred databases one by one looking at the TSDS extract issues. As you are aware, we found an issue with duplicate Finance Crosswalk entries and a performance issue with one of the attendance extracts. This morning we have found another performance issue with the course transcript extract and will be working on that program next. We are also working to remove the *-6 Errors* and *Extract processed but failed with stored procedure* errors that are shown on the Extract Error Log. Expect to see less of them after the February release. When you are alerted that a client is not receiving the nightly email, please open a single issue for the ESC along with the previous night's application server log for review (server where the tcc.properties tag TSDS = on is set). The log should provide guidance on next steps and we will ask for more information and/or a database. Those ESCs that we are already working with do not need to create a new issue.	—-	2/7/24 8.0600
1/24/2024	The TEA-defined Claim Sets do not allow vendors to create and send local descriptor values. By default, vendors are only able to send TEA or Ed-Fi namespace values. TEA will be updating their Claim Sets to allow vendors to create and send local values. **Affected Descriptors**: • Term **Workaround**: A user-defined Claim Set can be created in the interim to allow for local values to be created and supplied by the vendor. Users can clone the existing TEA-defined Claim Sets and modify the create, read, update, and delete rights on the descriptor resources.	0/0/0/	0/0/0
—-	TCC continues to work with TEA on the Finance Actual domain for PEIMS Mid-Year. At this time, no actuals are being sent to TSDS.	—-	2/7/24 8.0600

Domain/Fatal	Issue	Reported Date	Release/Release Date
—-	When an employee has a termination date entered that is a future date and they are still considered to be employed, when the extract is run for the staff endpoint, the end date is not being populated for that future date.	10/1/23	TBD
—-	Course Transcript - Duplicate Record Found error. An error is received on the Extract email when a student has taken 2 courses with the same service ID in the same semester. TCC is researching a solution to this issue.	TBD	TBD

Job Aids

Submission	Level of Error	Fatal Narrative	Link to Job Aid
All	L1	409 Conflict: Access to the resource item could not be authorized because the 'Student' was not found.	Click here to view job aid.
Summer	L2, L3 - Fatal	44425-000J	Click here to view job aid.
Class Roster	L2, L3 - Fatal	40110-0023	Click here to view job aid.
Class Roster	L2, L3 - Fatal	40100-0197 & 40110-0224	Click here to view job aid.

Technical Information

- Extracts will run 6:00 PM, Monday - Friday.
- **DO NOT** schedule TEA TSDS Level 2 Errors for the first two weeks of the initial data submission.

Initial Data Submission to TEA TCC hosted and managed ESCs:

- Initial extract and API start will need to be coordinated through a Technical ASD ticket.
    - Submit the Technical ASD ticket the Monday prior to the LEA’s TSDS Parallel initial submission kick-off date.
    - Select the new *System Category* **TSDS Parallel Setup**.
    - List the **County/District Number** and the **Name of the LEA** participating in the TSDS Parallel Submission.
        - Only one ticket is needed for parallel LEAs starting the initial submission on the same date.
        - All LEA Names and County District Numbers need to be listed in the ticket correctly.
- The initial data extract/API will begin 3:00 AM, Saturdays.

Self-hosted and managed ESCs:

- For guidance on how to start the extract/API, visit: https://wiki.ascendertx.com/display/TCCTD/TSDS+Extract+processing+and+API+Submission


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