

TSDS Technical Course Module 5: **Managing Data Loads into the** **PEIMS Data Mart**

- ❑ [PEIMS Data Mart \(PDM\) Overview](#)
- ❑ [PDM Navigation](#)
- ❑ [Monitor Data Promotion](#)
- ❑ [Wrap up](#)

- **The participant will be able to:**
 - ▣ Explain the TSDS High Level End User Process Map
 - ▣ Access and navigate PDM
 - ▣ Schedule a data promotion from the ODS to the PDM
 - ▣ Verify the results of the data promotion
 - ▣ Troubleshoot the data promotion process



Course Prerequisites

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□ Prerequisites that are needed prior to this training:

■ Training Prerequisites:

- Participants should attend the TSDS Technical Course Module 1: Overview of TSDS and TSDS High Level End User Process (or view the online version posted on Project Share)
- Participants should attend the TSDS Technical Course Module 2: TSDS Client-Side Validation Tool
- Participants should complete TSDS Technical Course Module 3: Loading Data into the ODS

■ Technical Prerequisites:

- Participants should have a working knowledge of TEDS



PEIMS Data Mart (PDM) Overview

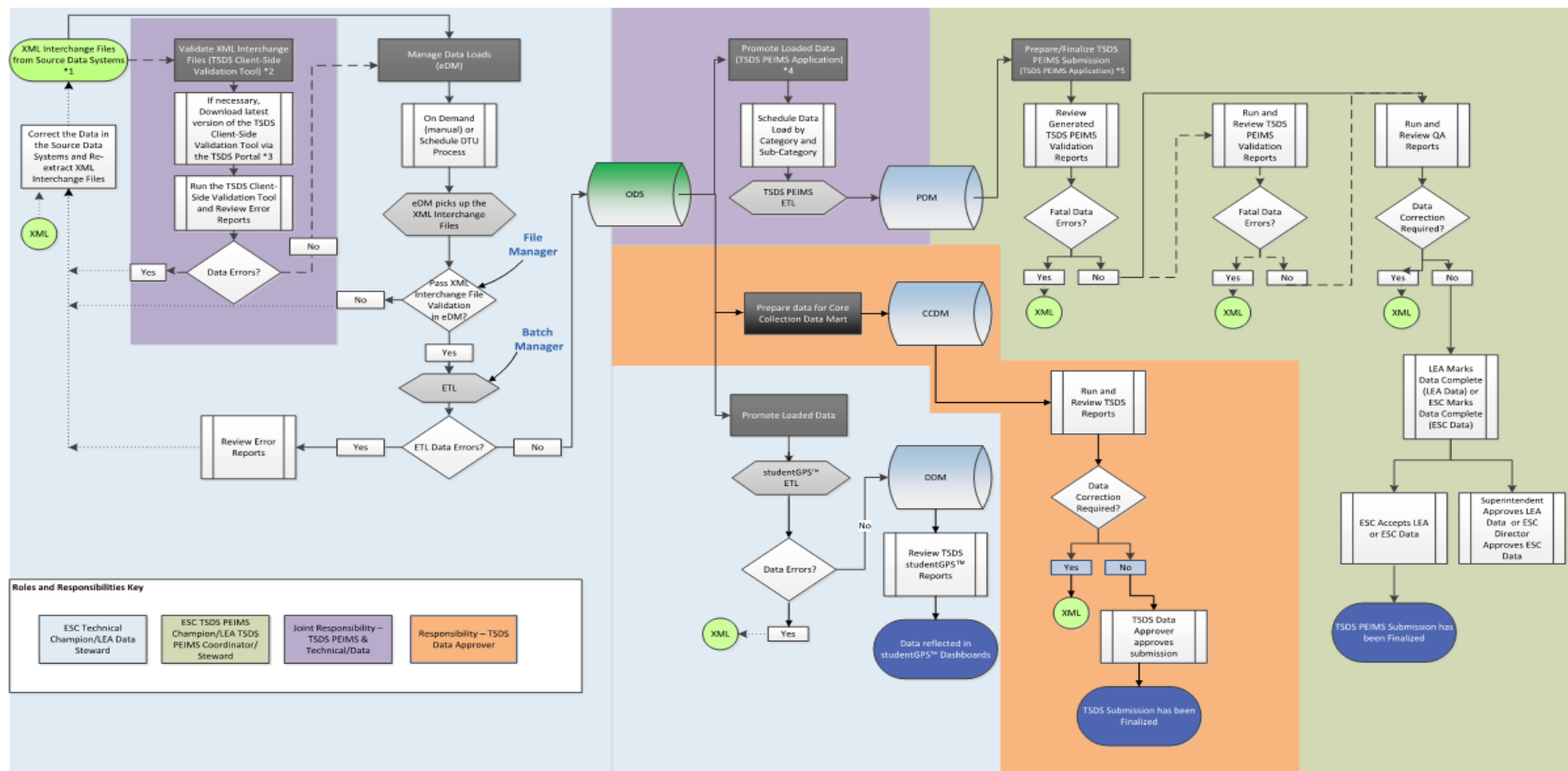


Data Loading Process Map

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TSDS High Level End User Process Map



<http://www.tea.state.tx.us/Workarea/DownloadAsset.aspx?id=25769810585>



Overview of Data Loading Process

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LEA Source Systems

- Interchange extracts are created from source systems in XML format
- Must align with TEDS



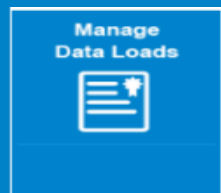
Client Side Validation Tool

- Downloaded from TSDS Portal
- Used by LEAs & ESCs to validate XML interchanges prior to loading
- Errors in interchanges must be corrected in source systems & revalidated



Data Transfer Utility (DTU)

- A secure FTP file transfer client utility
- Downloaded from TSDS Portal & installed at LEA/ESC
- Facilitates On Demand & Scheduled file transfers
- Sends XML files to eDM
- Uses Service Account credentials for login & password
- User selects files to be transferred
- File name is validated
- User can view transfer status



eDM (Manage Data Loads)

- Automatically picks up files that have been transferred by the DTU
- Runs files through data validations & updates the ODS
- Users can also manually upload files
- Error files are generated at initial file validation & again during ETL process
- Errors in interchanges must be corrected in source systems & revalidated
- User can verify that the ODS has been updated by viewing status in the eDM



PEIMS Application

- User schedules and can monitor the promotion of data from the ODS to the PDM
- User specifies collection and submission (e.g. Fall, First)
- User selects Category (e.g. Staff) and Sub Category(ies) to be loaded (e.g. Employment Payroll Summary)
- User can monitor the status



Dashboards Data Mart

- Data is loaded from ODS to a staging DDM
- If load successful, then it is moved to the production DDM for studentGPS™ display
- Metric calculations occur during the load of data from the ODS to the DDM
- Data is automatically refreshed nightly, no user interaction needed
- System will prevent incomplete data from being loaded



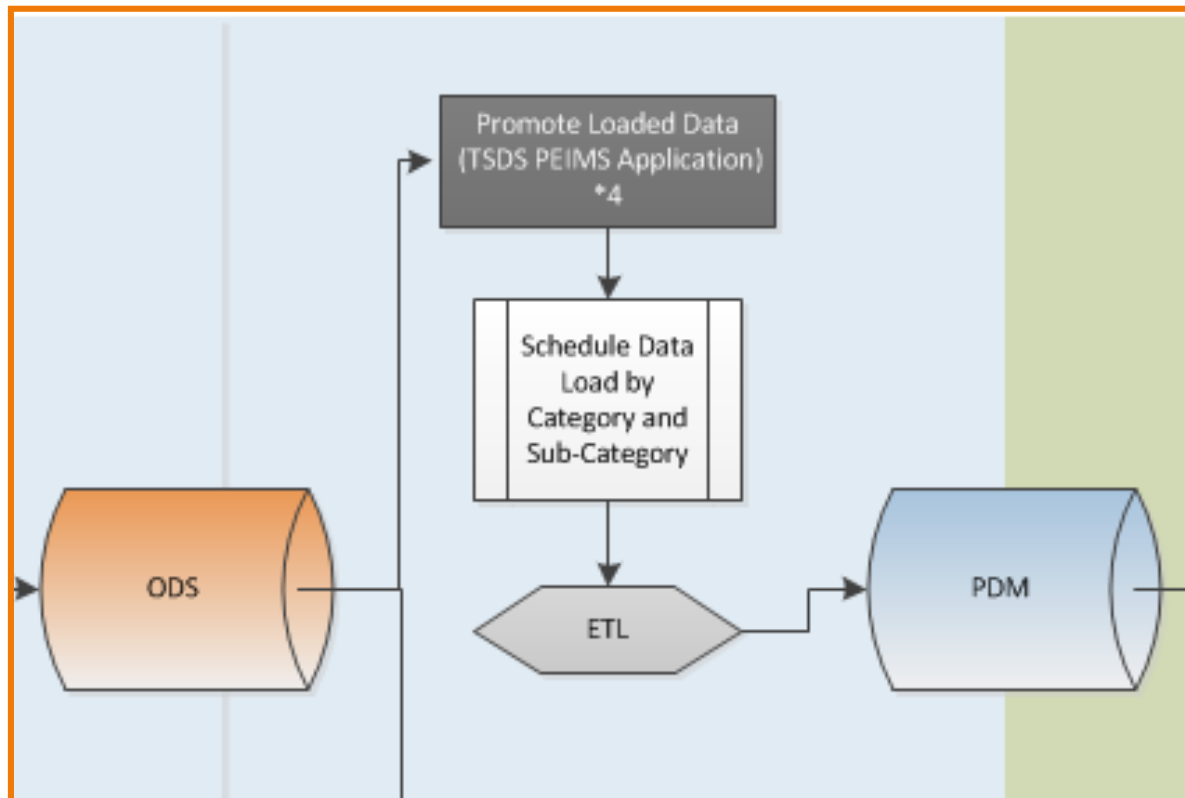
ECDS Application

- Early Childhood Data submission for kinder and pre-k
- Charter and Public Schools
- Data Collected include; demographic and, Assessment,
- Data is converted for ODS loading

- The PEIMS Data Promoter Role can:
 - ▣ Schedule Data Promotion
 - ▣ View all PEIMS Data Collections
 - ▣ Search PEIMS Data
- The PEIMS Data Promoter Role cannot:
 - ▣ Validate PEIMS Data
 - ▣ Generate Reports
 - ▣ Download Data
 - ▣ Mark Data Ready
 - ▣ Complete Data

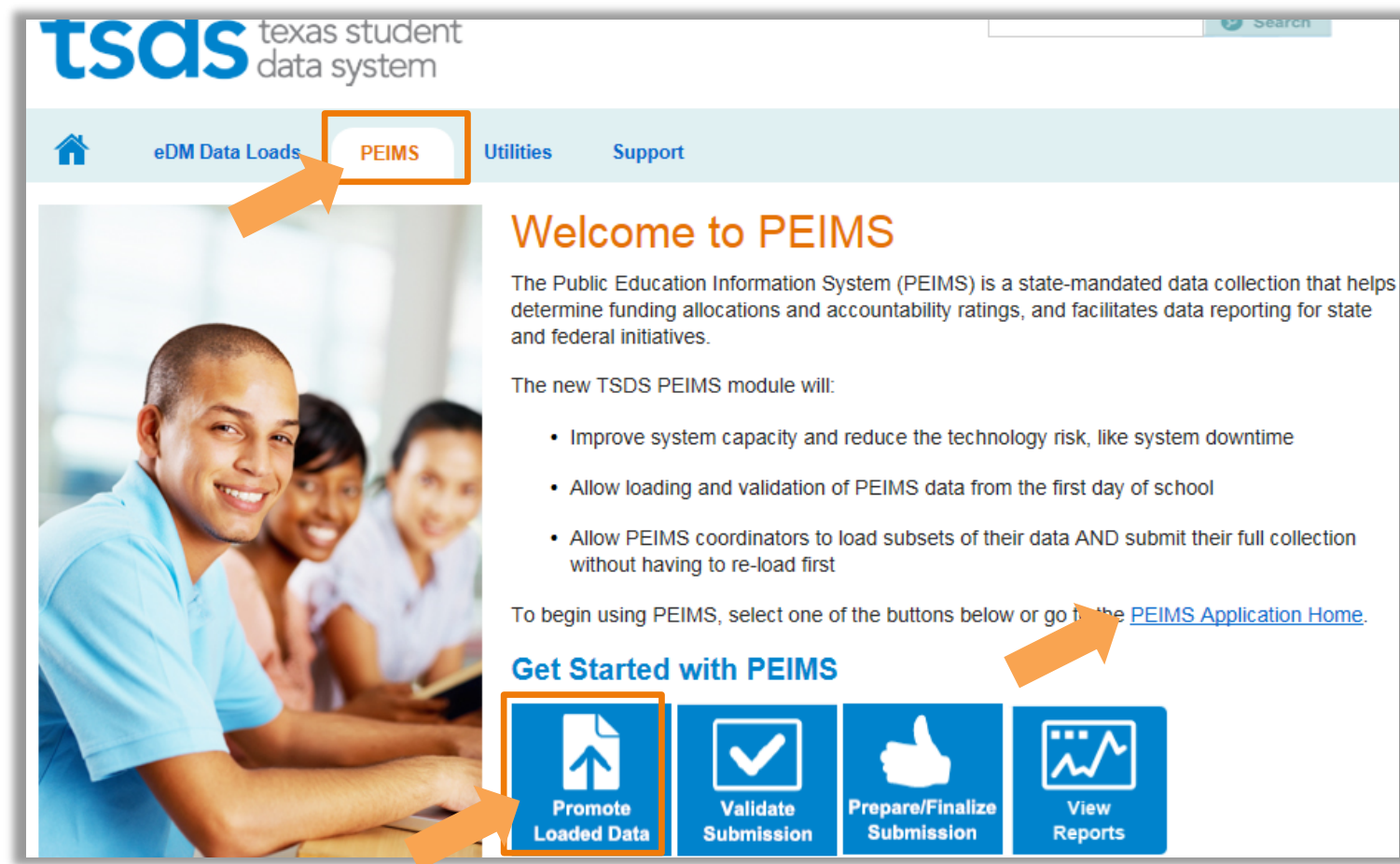


Loading data from the
ODS to the PDM





PDM Navigation



The screenshot shows the TSDS (Texas Student Data System) interface. The top navigation bar includes a home icon, "eDM Data Loads", "PEIMS" (highlighted with an orange box and an arrow), "Utilities", and "Support". Below the navigation bar, on the left, is a large image of three smiling students. To the right of the image, the heading "Welcome to PEIMS" is displayed in orange. Below this heading, a paragraph explains that PEIMS is a state-mandated data collection system. A bulleted list follows, detailing the new TSDS PEIMS module's capabilities: improving system capacity, allowing data loading from the first day of school, and enabling coordinators to load subsets of data and submit their full collection without re-loading. Below the list, a link to the "PEIMS Application Home" is provided. Further down, the section "Get Started with PEIMS" is shown, featuring four blue buttons: "Promote Loaded Data" (highlighted with an orange box and an arrow), "Validate Submission", "Prepare/Finalize Submission", and "View Reports". An orange arrow points from the "PEIMS" tab to the "Promote Loaded Data" button, and another orange arrow points from the "PEIMS Application Home" link to the "View Reports" button.

tsds texas student data system

Home eDM Data Loads **PEIMS** Utilities Support

Welcome to PEIMS

The Public Education Information System (PEIMS) is a state-mandated data collection that helps determine funding allocations and accountability ratings, and facilitates data reporting for state and federal initiatives.

The new TSDS PEIMS module will:

- Improve system capacity and reduce the technology risk, like system downtime
- Allow loading and validation of PEIMS data from the first day of school
- Allow PEIMS coordinators to load subsets of their data AND submit their full collection without having to re-load first

To begin using PEIMS, select one of the buttons below or go to the [PEIMS Application Home](#).

Get Started with PEIMS

Promote Loaded Data **Validate Submission** **Prepare/Finalize Submission** **View Reports**



Selecting the Collection

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- Select the school year, fall and first collection from the upper right hand corner of the PEIMS application. Select GO.

A screenshot of the TEA - Statewide Data Initiatives/PEIMS (701603) application interface. The top navigation bar is blue and contains the text 'TEA - Statewide Data Initiatives/PEIMS (701603)' on the left and a selection area on the right. The selection area, highlighted with an orange border, contains three dropdown menus: '2014', 'FALL', and 'First', followed by a 'GO' button. Below the navigation bar is a light blue header section with the 'tsds' logo on the left and 'tsds PEIMS' on the right. The 'tsds' logo is the same as the one in the top left of the slide. The 'tsds PEIMS' logo features the 'tsds' in blue and 'PEIMS' in green, with a small circular graphic above the 's'. Below the header is a light blue navigation bar with the following links: 'Home', 'Data Promotions', 'Validations', 'Prepare / Finalize Submission', 'Access Data', and 'View Reports'. The main content area has a white background. It starts with the heading 'Welcome to PEIMS' in orange. Below this is a paragraph of text: 'The Public Education Information Management System (PEIMS) is a state-mandated data collection that helps determine funding allocations and accountability ratings, and facilitates data reporting for state and federal initiatives. Visit the Texas Education Data Standards site to learn more about how to submit data to TSDS PEIMS.' To the right of this paragraph are two buttons: 'All Messages' and a button with a lightning bolt icon. Below the paragraph is the heading 'My On Screen Messages' in blue. At the bottom of the page is a search bar labeled 'Search Table:' followed by a text input field. To the right of the search bar are three buttons: 'PDF', 'XLS', and 'Print'.



Promote Loaded Data Menu Link

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The screenshot shows the TSDS PEIMS web application interface. At the top, a dark blue header bar contains the user's name 'candice.littleton' and email 'candice.desantis@tea.state.tx.us (0)' on the left, and 'Support', 'Help', and 'Exit' links on the right. Below this is a blue navigation bar with the text 'TEA - Statewide Data Initiatives/PEIMS (701603)', a year dropdown set to '2014', a semester dropdown set to 'FALL', a 'First' dropdown, and a 'GO' button. The main content area has a white background with the 'tsds' logo and 'texas student data system' text on the left, and the 'tsds PEIMS' logo on the right. A light blue navigation bar contains links for 'Home', 'Data Promotions', 'Validations', 'Prepare / Finalize Submission', 'Access Data', and 'View Reports'. The 'Data Promotions' link is highlighted with an orange box, and an orange arrow points to it from the left. Below this link is a dropdown menu with two options: 'Promote Loaded Data' (highlighted with a light blue background) and 'Monitor Data Promotions'. Below the navigation bar, there is a paragraph of text explaining the PEIMS system. At the bottom right, there are buttons for 'All Messages' and a refresh icon. At the bottom left, there is a section titled 'My On Screen Messages'. At the bottom right, there is a 'Search Table:' label followed by a text input field, and buttons for 'PDF', 'XLS', and 'Print'.

candice.littleton candice.desantis@tea.state.tx.us (0) Support Help Exit

TEA - Statewide Data Initiatives/PEIMS (701603) 2014 ▼ FALL ▼ First ▼ GO

tsds texas student data system **tsds** PEIMS

Home Data Promotions Validations Prepare / Finalize Submission Access Data View Reports

Promote Loaded Data
Monitor Data Promotions

The Public Education Information Management System (PEIMS) is a state-mandated data collection that helps determine funding allocations and accountability ratings, and facilitates data reporting for state and federal initiatives. Visit the Texas Education Data Standards site to learn more about how to submit data to TSDS PEIMS.

All Messages ↺

My On Screen Messages

Search Table: PDF XLS Print



Promote Loaded Data Selections

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Home Data Promotions Validations Prepare / Finalize Submission Access Data View Reports

Home » Promote Loaded Data

Promote Loaded Data

LEA:

Categories:

Subcategories:

AddAdd AllRemoveRemove All

Subcategories Selected:

Data Promotion Name:

Reset Next

Select the LEA if needed, select the Categories and Subcategories

Type a Data Promotion Name

Click Next or Reset



Confirm Data Promotion

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[Home](#) [Data Promotions](#) [Validations](#) [Prepare / Finalize Submission](#) [Access Data](#) [View Reports](#)

Home » [Summary Promote Data](#)

Confirm Data Promotion

School Year: 2014

Collection: FALL

Submission: First

Organization: TEA - Statewide Data Initiatives/PEIMS


Data Promotion Name: Sample data promotion

Summary of Selected Category List

Organization Name	Categories/Subcategories
TEA - Statewide Data Initiatives/PEIMS	Student/Enrollment
	Student/Career and Technical Course
	Student/Career and Technical Program
	Student/Special Education Program
	Student/School Leaver
	Student/Student Basic Information

[Submit](#) [Cancel](#) [Back](#)

Select Submit, Cancel or Back



texas student
data system

tsds PEIMS

[Home](#)
[Data Promotions](#)
[Validations](#)
[Prepare / Finalize Submission](#)
[Access Data](#)
[View Reports](#)

Home » Monitor Data Promotions

Monitor Data Promotions

Data promotion details are promoted for Sample data promotion

Show Search Criteria

Show entries

Search Table:

[LEA Promotion Errors](#)
[PDF](#)
[XLS](#)
[Print](#)

Data Promotion Name	Collection	Submission	Scheduled By	Scheduled At	Status	Error Report
Sample data promotion	FALL	First	candice.littleton	11/19/2014 12:08:14	IN PROGRESS	View
ben.verlander_10202014_112029	FALL	First	ben.verlander	10/20/2014 11:20:41	COMPLETED	View





Monitor Data Promotion



Monitor Data Promotions Menu Link

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TEA - Statewide Data Initiatives/PEIMS (701603) 2014 ▼ FALL ▼ First ▼ GO

Home Data Promotions Validations Prepare / Finalize Submission Access Data View Reports

Welc

Promote Loaded Data

Monitor Data Promotions

The PEIMS (Education Information Management System) is a state-mandated data collection that helps determine funding allocations and accountability ratings, and facilitates data reporting for state and federal initiatives. Visit the Texas Education Data Standards site to learn more about how to submit data to TSDS PEIMS.

All Messages ↺

My On Screen Messages

Search Table:

PDF XLS Print

Sender	Subject	Message	Active From
No Messages to Display			



Monitor Data Promotions

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[Home](#) [Data Promotions](#) [Validations](#) [Prepare / Finalize Submission](#) [Access Data](#) [View Reports](#)

[Home](#) » [Monitor Data Promotions](#)

Monitor Data Promotions

[Show Search Criteria](#)

Show entries

Search Table:

[LEA Promotion Errors](#)



[PDF](#)

[XLS](#)



[Print](#)

Data Promotion Name	Collection	Submission	Scheduled By	Scheduled At	Status	Error Report
Sample data promotion	FALL	First	candice.littleton	11/19/2014 12:08:14	COMPLETED	View
ben.verlander_10202014_112029	FALL	First	ben.verlander	10/20/2014 11:20:41	COMPLETED	View
ben.verlander_10202014_110957	FALL	First	ben.verlander	10/20/2014 11:10:27	COMPLETED	View



Search Data Promotion

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HomeData PromotionsValidationsPrepare / Finalize SubmissionAccess DataView Reports

Home » Monitor Data Promotions

Monitor Data Promotions

Hide Search Criteria

Select Search Criteria

Search Criteria

School Year: 2014

Collection: Fall

Submission: First

Status: ALL

IN PROGRESS

COMPLETED

COMPLETED WITH ERRORS

FAILED

Search

LEA Promotion Errors

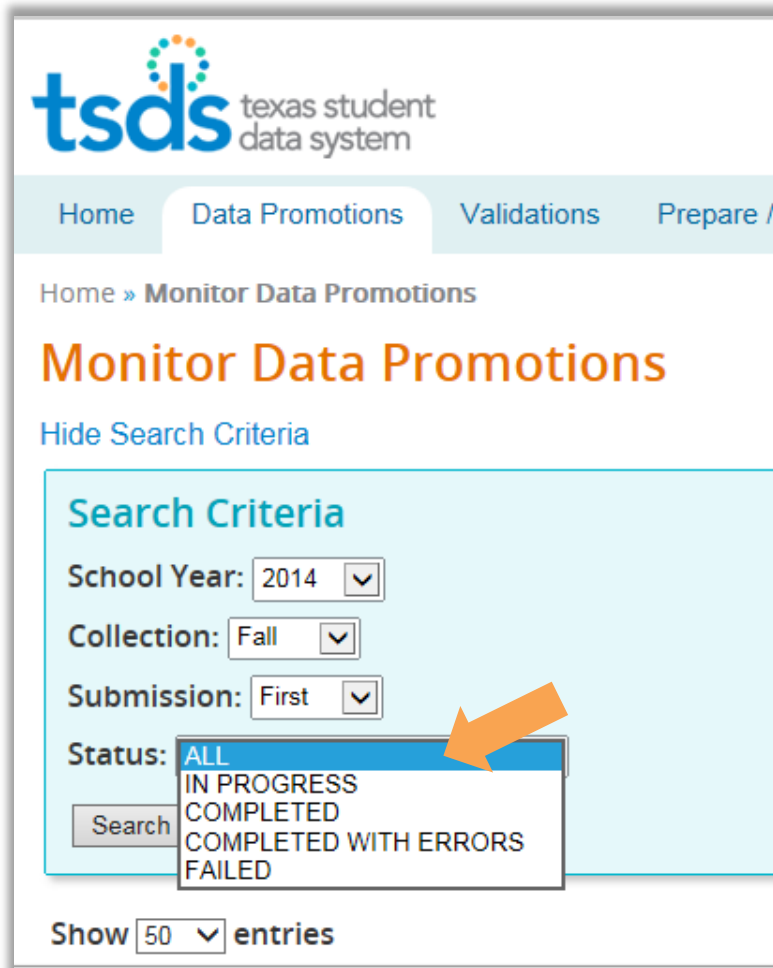
Show 50 entries

Search Table:

PDFXLSPrint

The Data Promotion Status can be:

- In Progress—the data is being processed
- Completed—the data has completed processing
- Completed with errors—The data completed but errors were identified
- Failed--the system found primary key constraints that are not in ODS but exist in the PEIMS Data Mart. Records that did not load would be listed here.



tsds texas student data system

Home Data Promotions Validations Prepare /

Home » Monitor Data Promotions

Monitor Data Promotions

[Hide Search Criteria](#)

Search Criteria

School Year: 2014 ▼

Collection: Fall ▼

Submission: First ▼

Status: ALL ▼

Search

IN PROGRESS
COMPLETED
COMPLETED WITH ERRORS
FAILED

Show 50 ▼ entries

[Home](#)
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[View Reports](#)

[Home](#) » [Monitor Data Promotions](#)

Monitor Data Promotions

[Hide Search Criteria](#)
[LEA Promotion Errors](#)

Search Criteria



School Year: 2014
Collection: Fall
Submission: First
Status: ALL
[Search](#) [Reset](#)

Show 50 entries

Data Promotion Name				Scheduled At	Status	Error Rep
Sample data promotion	FALL	First	candice.littleton	11/19/2014 12:08:14	COMPLETED	View
ben.verlander_10202014_11202	FALL	First	ben.verlander	10/20/2014 11:20:41	COMPLETED	View
ben.verlander_10202014_110957	FALL	First	ben.verlander	10/20/2014 11:10:27	COMPLETED	View

Click on the Data Promotion Name to show the detail view

Click on View to see the Error Report

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[Data Promotions](#)
[Validations](#)
[Prepare / Finalize Submission](#)
[Access Data](#)
[View Reports](#)

Home » Monitor Data Promotions

Monitor Data Promotions

[Show Search Criteria](#)



Show entries

Search Table:

[LEA Promotion Errors](#)
[PDF](#)
[XLS](#)
[Print](#)

Data Promotion Name	Collection	Submission	Scheduled By	Scheduled At	Status	Error Report
Sample data promotion	FALL	First	candice.littleton	11/19/2014 12:08:14	COMPLETED	View
ben.verlander_10202014_112029	FALL	First	ben.verlander	10/20/2014 11:20:41	COMPLETED	View
ben.verlander_10202014_110957	FALL	First	ben.verlander	10/20/2014 11:10:27	COMPLETED	View

TEA - Statewide Data Initiatives/PEIMS (701603)
2014
FALL
First
GO

[Home](#)
[Data Promotions](#)
[Validations](#)
[Prepare / Finalize Submission](#)
[Access Data](#)
[View Reports](#)

Home » Monitor Data Promotions » LEA Data Load Errors

LEA Data Load Errors

Show 50 entries
Search Table:
PDF
XLS
Print

Category ↑	Subcategory ↓	Severity ↓	Message
No records to Display			

Showing 0 to 0 of 0 entries
First
Previous
Next
Last



Wrap Up and Questions

Today we talked about:

- ❑ TSDS High Level End User Process Map
- ❑ The basics of loading data into the ODS
- ❑ Scheduling data promotions from the ODS to the PEIMS Data Mart (PDM)
- ❑ Verifying that the data promotion has successfully completed
- ❑ Troubleshooting issues that may occur during the data promotion



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Questions?

www.TexasStudentDataSystem.org