

Overview of Data Loading Process



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



Core Collection Data Mart

- User prepares the data to be loaded
- Run and review TSDS reports
- If data corrections are required, they must be made in the source system and the XML must be regenerated & processed
- If no data corrections are required, the user can approve and finalize the submission