



**COLORADO**  
Department of Education

# Teacher Student Data Link (TSDL)

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# Topics

- Overview
- Schedule/Deadlines
- 2015-16 Updates
- Uploading Interchange files
- Snapshot Process and Reports
- Resources for Data Fields by Vendor
- Resources and Contact Info

# Overview

# TSDL Purpose

- **What is the TSDL?**

- The Teacher Student Data Link provides a way to link teacher and student data. The link shows the instructional relationship between educators and the students that are in their classrooms.

- **TSDL links student data to educators for the purposes of:**

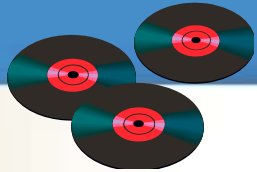
- Improving instruction;
- Informing and increasing educator effectiveness; and
- Supporting the continuous improvement of teaching and learning.

# Authority To Collect

The authority to collect the TSDL is derived from both Colorado Revised Statutes (C.R.S) and the Colorado State Board of Education's rules cited below:

- *The Licensed Personnel Evaluations Act*, in section 22-9-105.5(3)(e)(VI), C.R.S., Section 22-9-106(1.5)(b), C.R.S., requires CDE to monitor implementation of local personnel evaluation systems.
- Section 6.04 of the *Rules for the Administration of a Statewide System to Evaluate the Effectiveness of Licensed Personnel Employed by School Districts and BOCES* (1 CCR 301-87)
- Section 22-2-112(1)(p)and (q), C.R.S., requires CDE to prepare an annual report that includes the correlation between educator preparation programs and student growth information which requires the teacher student data link.

# TSDL Components



## Educator of Record Definition

- Individuals who have been assigned **primary responsibility for a student's learning** in a subject/course with aligned performance measures
- Created the term “**Contributing Professional**,” denoting educators who provide **additional support services** aimed at increasing a student's learning



## Educator ID

- Creates a **unique teacher and principal identifier system** which allows examination of issues related to teaching and school leadership
- Allows for improved teacher quality through preparation and **providing effective training and support**
- An identifier is **not** a mechanism to punish or blame individuals



## Roster Verification

- **Allows teachers to verify which students they are responsible for** - providing an accurate link between student outcomes and teacher influence
- Ensures **accurate instructional attribution**, resulting in better effectiveness measures across the board



## Standard Course Codes

- A **statewide common course catalog** with a set of approved courses for schools based on course content
- **Teaching assignments are linked** to the course catalog

# Data Uses

- **2013-2014 Data collected in pipeline and will provide data for districts to begin to work with their local data and the TSDL extract.**
- **2014-2015 Data collected can be used to begin trend analysis for district use at the school level.**
- **2015-2016 Data collected will be used to begin trend analysis for district use at the teacher level along with analysis for aggregated reporting on the implementation of requirements for Local Evaluation Systems.**

# 14-15 Lessons Learned

- **Role confusion in CDE IDM.**
  - Who can do what? Better resources.
  - TSL is for the interchange. TLS is used for the snapshot.
- **Some SIS data can't be retrieved once the school year is rolled over to the new year.**
  - Going to support districts to submit data as an "end of year" activity
- **Significant amount of processing time was required to process the snapshot.**
  - By refining the collection to specific subjects and grades it is expected to reduce the size of the files substantially and therefore reduce processing time.
- **Course Codes and Staff data must be updated for the TSDL interchange files to be error free.**
  - If Course Codes are not updated/completed, every record in each of the interchange files will have an error.
  - If Staff data is not updated, possible EDID errors will occur.
- **CRDC Support**
  - Approximately 40% of the Civil Rights Data Collection can be provided through the TSDL collection.



# Schedule/Deadlines

# Important Dates

- **Statewide Standard Course Code Submission**
  - Open year round
  - Must be completed prior to uploading TSDL interchange files
  - No later than February 12, 2016
- **Interchange:**
  - Open beginning November 2, 2015
  - Will remain open throughout the year
- **Snapshot:**
  - Opens Monday, February 29, 2016
  - GOAL: “Submit to CDE” by June 30, 2016
  - Finalize by Friday, August 26, 2016

# Managing the Collection

- **Now - Friday, February 12, 2016 – SSCC data up-to-date**
- **Friday, March 11, 2016 – at least 1 TSDL file submitted**
  - instructor
- **Friday, March 25, 2016 – both TSDL files submitted**
- **Friday, April 8, 2016 – at least 1 TSDL file error free**
- **Friday, April 29, 2016 – both TSDL files error free**
- **Friday, May 6, 2016 – TSDL Snapshot created**
- **Friday, May 27, 2016 – TSDL Snapshot “submit to CDE”**
- **Approvals can be completed once snapshot is error free but no later than August 26, 2016 to accommodate any updates needed throughout the summer.**

# 2015-16 Updates

# TSDL Collection Refinement

- **Beginning with the 2015-16 school year CDE has identified specific courses to be submitted where there is a matching state assessment K-12**
  - Reading/Writing/Communicating Courses (English/Language Arts)
  - Math Courses
  - Social Studies Courses
  - Science Courses
- **State Assessments**
  - CMAS (ELA-CSLA, Math, Science, Social Studies)
  - CoAlt (Science and Social Studies)
  - CoAlt DLM (ELA and Math)
  - ACCESS for ELLs<sup>®</sup>
  - Colorado ACT (subject related) or new assessments for grades 10 and 11.
  - <http://www.cde.state.co.us/assessment/spring2016testing>

# 2015-16 File Updates

- **Course Instructor file**

- Staff Role – will create a warning if reported N/A

- **Course Enrollment file**

- Verified field will create a warning if reported N/A
- Credit Earned is no longer required
- Course Completion Status is now required
- Student's grade level has been added and is required (CRDC requirement)

# Student's Grade Level

- **The grade level or primary instructional level at which a student enters a school or an educational institution during a given school year.**

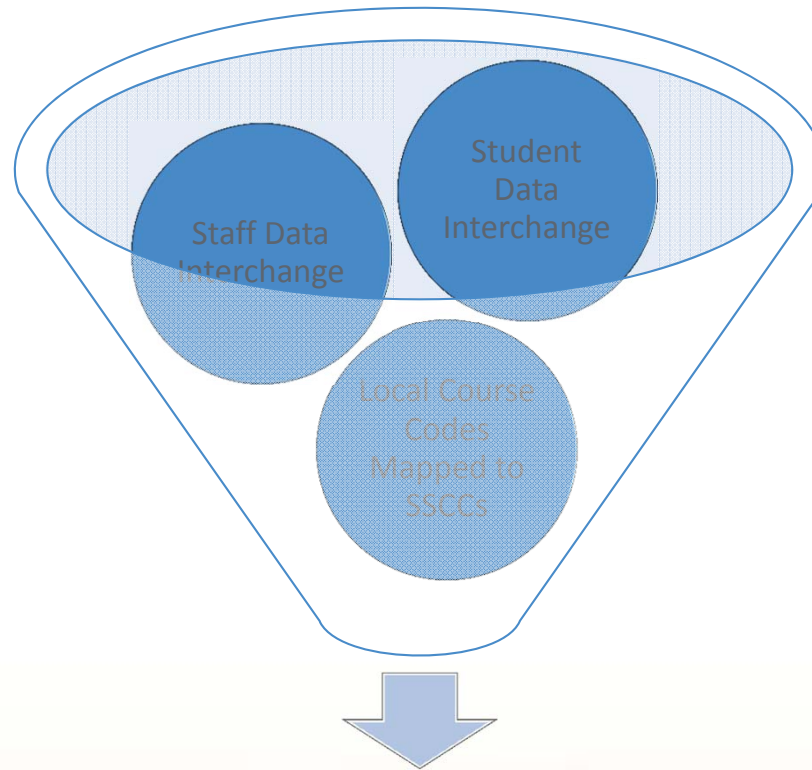
- 002 Infant
- 004 Pre-Kindergarten (Preschool)
- 006 Half-Day Kindergarten (450+ hours)
- 007 Full-Day Kindergarten (900+ hours)
- 010 Grade 1
- 020 Grade 2
- 030 Grade 3
- 040 Grade 4
- 050 Grade 5
- 060 Grade 6
- 070 Grade 7
- 080 Grade 8
- 090 Grade 9
- 100 Grade 10
- 110 Grade 11
- 120 Grade 12

# Uploading Data in the TSDL Interchange





# TSDL Process



Teacher Student Data Link

# Prior to Submitting TSDL Files

- **All Local Course Codes Mapped to the Standard Course Codes**
  - Deadline of February 12, 2016 (if this is not up-to-date, every record will be an error)
- **Student Data must be submitted in Student Interchange Files**
  - All students in TSDL Files must be in the student interchange
- **Staff Data must be submitted in Staff Interchange Files**
  - All educators in TSDL Files must be in the staff interchange

# Record Expectations

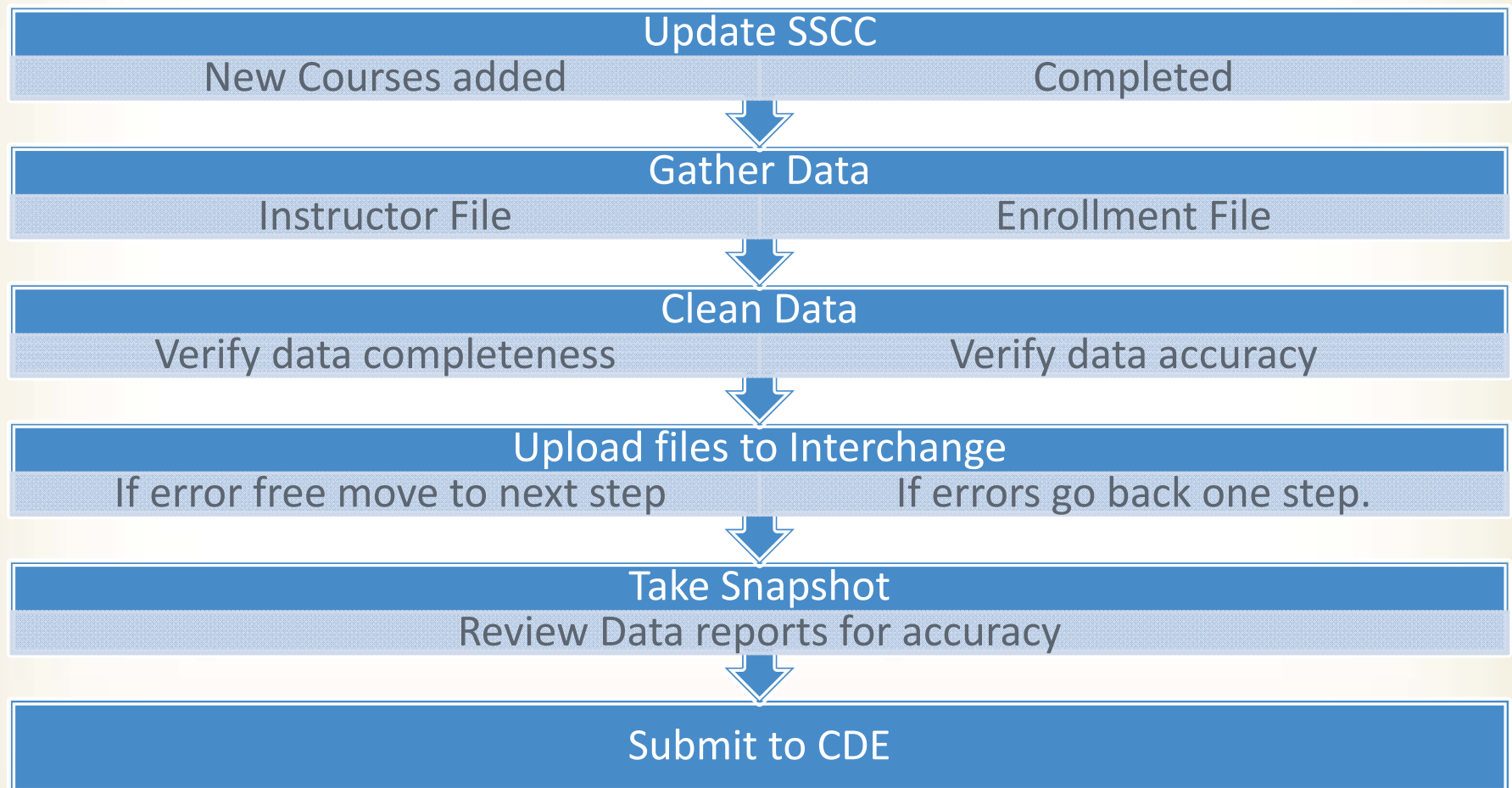
## ■ Included

- All students enrolled in the same course\*/section greater than four consecutive weeks.
  - \*only tested subjects required (Math, RWC, SS, Science)
- All teachers employed for any duration throughout the current school year.

## ■ Not Included

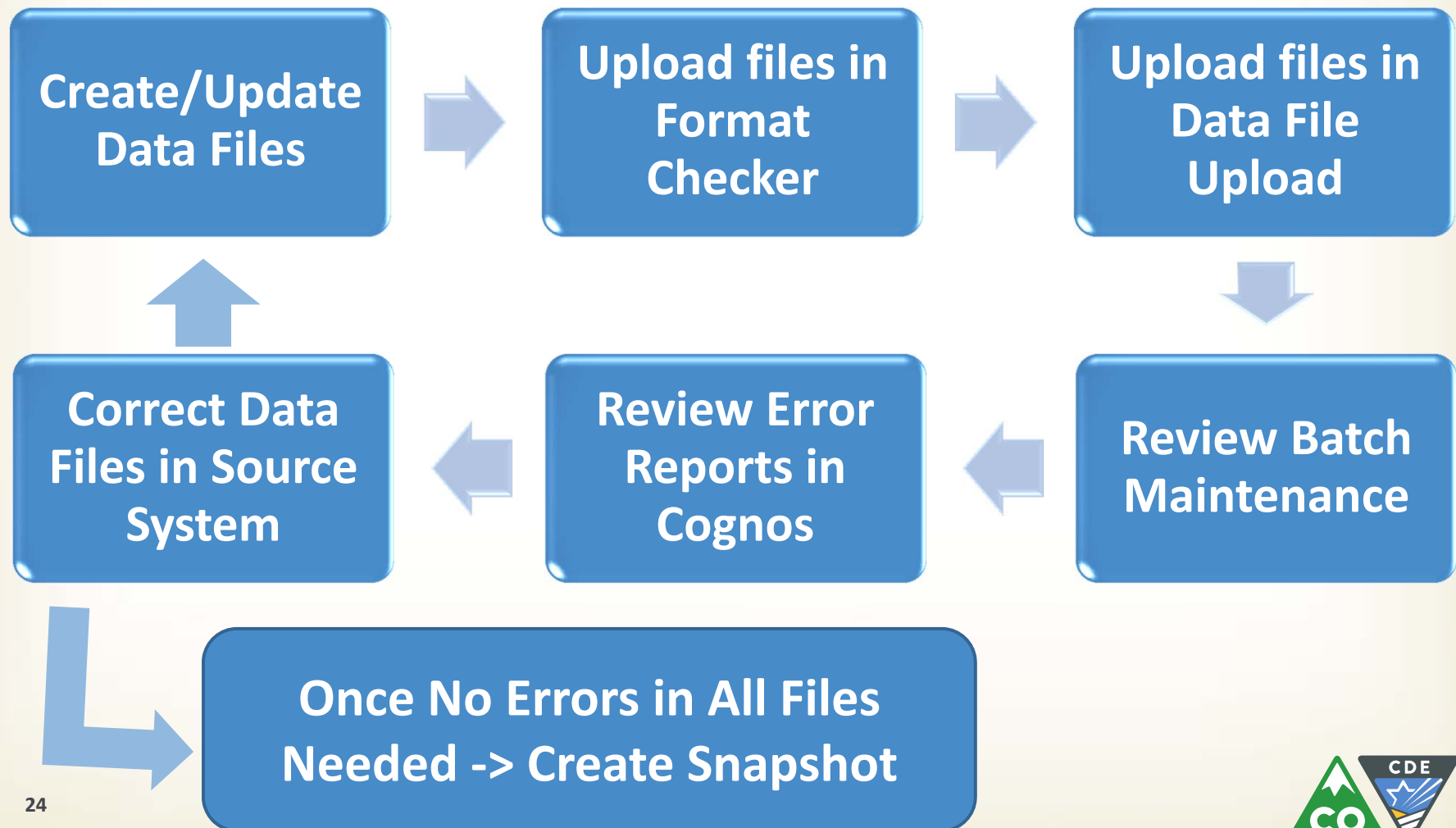
- A student who is enrolled in a course that does not have a teacher with an EDID will not be collected at this point.
- Courses without an instructor employed by the district
- Courses without a state assessment associated

# Process Overview



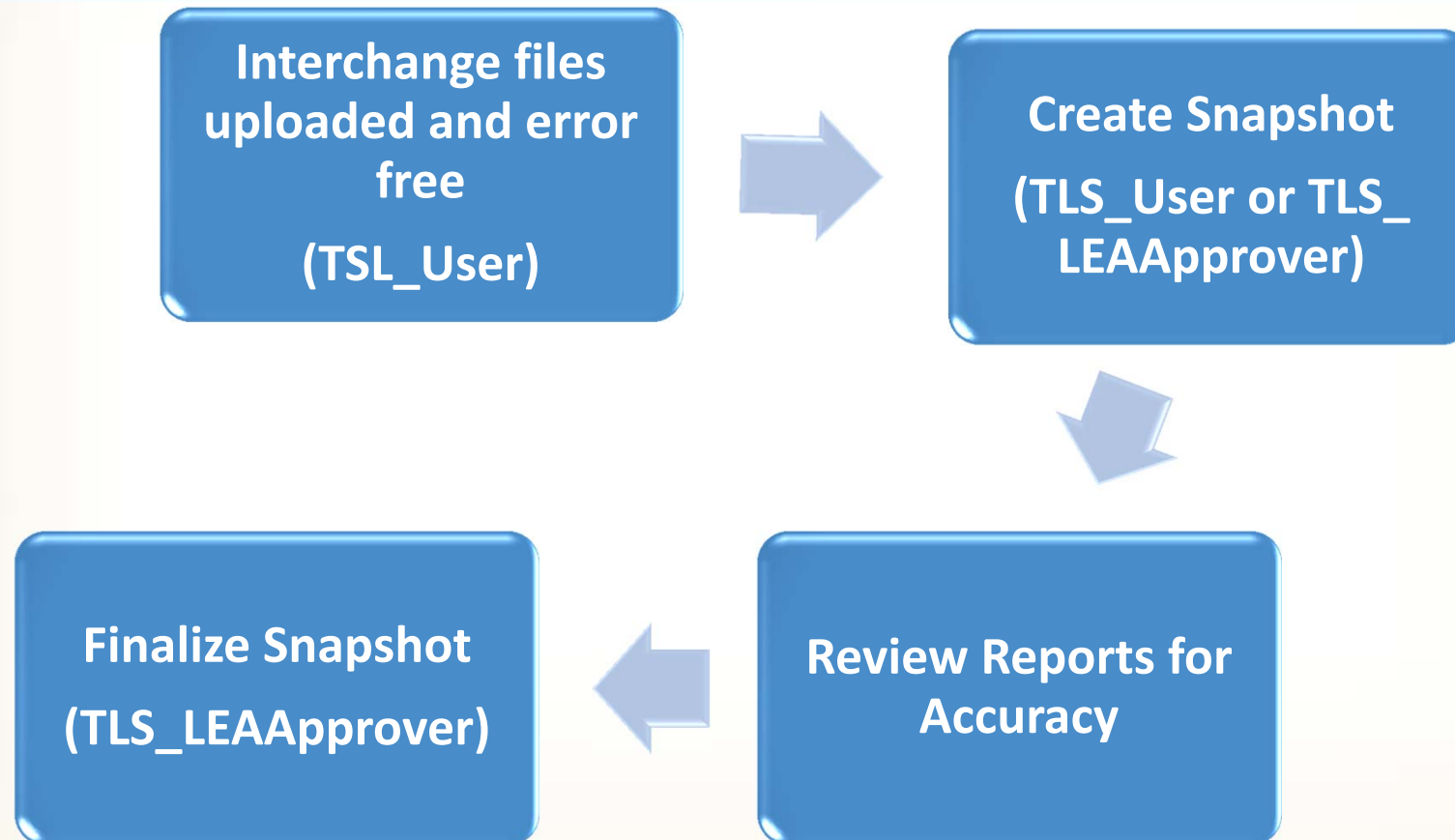
# Interchange Process

(TSL\_User)



# Snapshot Process

(TLS\_User and TLS\_Approver)



# Teacher Student Data Link Identity Management Roles Required

- **Local Access Manager (LAM) will need to assign you prior to logging into Pipeline**
  - For uploading the files to the interchange
    - TSL\_LEAUSER – submit and modify interchange data
    - TSL\_LEAVIEWER – View the data only (not modify or submit)
  - To create a snapshot:
    - TLS\_LEAAPPROVER – View, create and submit/finalize snapshot
    - TLS\_LEAUSER – View and create snapshot data
    - TLS\_LEAVIEWER – View data only (not create)
- Can only be assigned one role per IDM Group (TSL or TLS)

# Create Files

- Excel, CSV or Text File all accepted
- Need 2 separate files:
  - Course Enrollment
  - Course Instructor
- 1<sup>st</sup> record of data must be field names/titles



# Course Enrollment File

- District Code\*
- School Code\*
- Local Course Code\*
- Section Number\*
- SASID\*
- Student's Last Name\*
- Student's First Name\*
- Student's Gender\*
- Student's Date of Birth\*
- Roster Start Date
- Roster End Date
- Course Completion Status\*
- Verified Status\*
- Student's Grade Level\*

# Course Instructor File

- District Code\*
- School Code\*
- Local Course Code\*
- Section Number\*
- EDID\*
- Staff Last Name\*
- Staff First Name\*
- Staff Gender\*
- Staff Date of Birth\*
- Term\*
- Staff Role\*
- MSP Project Code\*
- MSP Most Recent Year of PD Participation\*

# Identity Management Roles

- **Teacher Student Data Link INTERCHANGE:**

- TSL~LEA Viewer (can review the interchange data files)
- TSL ~ LEA User (can upload and view interchange data files)

- **Teacher Student Data Link SNAPSHOT:**

- TLS~LEA Viewer (can only review snapshot data and reports)
- TLS~LEA Submit and Modify (can view and create the snapshot)
- TLS~LEA Approver (can view, create and finalize snapshot data)

# Step By Step Process

- Upload SSCC file to pipeline
- <http://www.cde.state.co.us/datapipeline/standardcodesprojectdetails>
- Update Student Profile
- [http://www.cde.state.co.us/datapipeline/inter\\_student](http://www.cde.state.co.us/datapipeline/inter_student)
- Update Staff Profile
- [http://www.cde.state.co.us/datapipeline/inter\\_staff](http://www.cde.state.co.us/datapipeline/inter_staff)

# Step By Step Process

## SIS preparation:

- Educator of Record/Contributing Professional must be determined for every course/section.
- Birthdate – If not in SIS and using SIS extract, it must be populated for every teacher.
- EDID – If using SIS for file extract, EDID must be populated.

# Step by Step Process

## Course Enrollment File

- Download extract from local SIS to be uploaded into pipeline

## Course Instructor File

- Download extract from local SIS to be uploaded into pipeline

## Submit Files to pipeline

- <https://cdeapps.cde.state.co.us/index.html>
- Review errors in Cognos or Pipeline Reports

# Resources and Contact Information

# TSDL Interchange Resources

- TSDL Interchange Documentation found at:  
[http://www.cde.state.co.us/datapipeline/inter\\_teacherstudent](http://www.cde.state.co.us/datapipeline/inter_teacherstudent)
  - Deadlines
  - File layouts and definitions
  - Defects
  - Business Rules
  - Trainings
  - Additional Resources – Frequently Asked Questions



# TSDL Snapshot Resources

- TSDL Snapshot Documentation found at:  
<http://www.cde.state.co.us/datapipeline/tsdl>
  - Deadlines
  - File layouts and definitions
  - Defects
  - Trainings

# Contact Information

- [DataPipeline.Support@cde.state.co.us](mailto:DataPipeline.Support@cde.state.co.us)
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# THANK YOU!

