

ESSU Statewide Data Management System and Data Pipeline

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Director, Results Driven Accountability

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Together We Can

Vision

All students in Colorado will become educated and productive citizens capable of succeeding in a globally competitive workforce.

Mission

The mission of CDE is to shape, support, and safeguard a statewide education system that prepares all students for success in a globally competitive world.

Exceptional Student Services Unit

Vision

All students with exceptionalities are prepared for continued learning and pursuit of post-school opportunities.

- In Colorado, “exceptional student” refers to students Pre-K through 21 with any condition defined as a disability under IDEA 2004 and students identified as gifted and talented, regardless of the setting in which served.

Mission

The Exceptional Student Services Unit provides leadership, professional development, and guidance to build the capacity and effectiveness of Colorado educational systems in meeting the academic, social-emotional, and independent living needs of students with exceptionalities -- leading to enhanced achievement and post-school outcomes.

Goals



Successful students

Prepare students to thrive in their education and in a globally competitive workforce.

- Ensure every student is on track to graduate postsecondary and workforce ready.
- Increase achievement for all students and close achievement gaps.
- Ensure students graduate ready for success in postsecondary education and the workforce.
- Increase national and international competitiveness for all students.

Great teachers and leaders

Ensure effective educators for every student and effective leaders for every school and district.

- Increase and support the effectiveness of all educators.
- Optimize the preparation, retention, and effectiveness of new educators.
- Eliminate the educator equity gap.

Outstanding schools and districts

Build the capacity of schools and districts to meet the needs of Colorado students and their families.

- Increase school and district performance.
- Turnaround the state's lowest performing districts and schools.
- Foster innovation and expand access to a rich array of high quality school choices for students.

Best education system in the nation

Build the best education system in the nation.

- Lead the nation in policy, innovation, and positive outcomes for students.
- Operate with excellence, efficiency, and effectiveness to become the best SEA in the nation.
- Attract and retain outstanding talent to CDE.

Driving Questions

What do we want students, educators, schools, and districts to know and be able to do?

How will we know if expectations are met?

How will we respond when help is needed and to support continued growth?

Students	Colorado Academic Standards	Assessments	<ul style="list-style-type: none"> • RTI • PBIS • Targeted interventions • IEPs
Educators	Educator quality standards	Educator evaluations	<ul style="list-style-type: none"> • Induction • Mentoring • Professional development plans • Remediation plans
Schools/ Districts	Performance indicators	School and district performance frameworks	<ul style="list-style-type: none"> • Unified planning • Priority • Turnaround

Expanding Student Learning



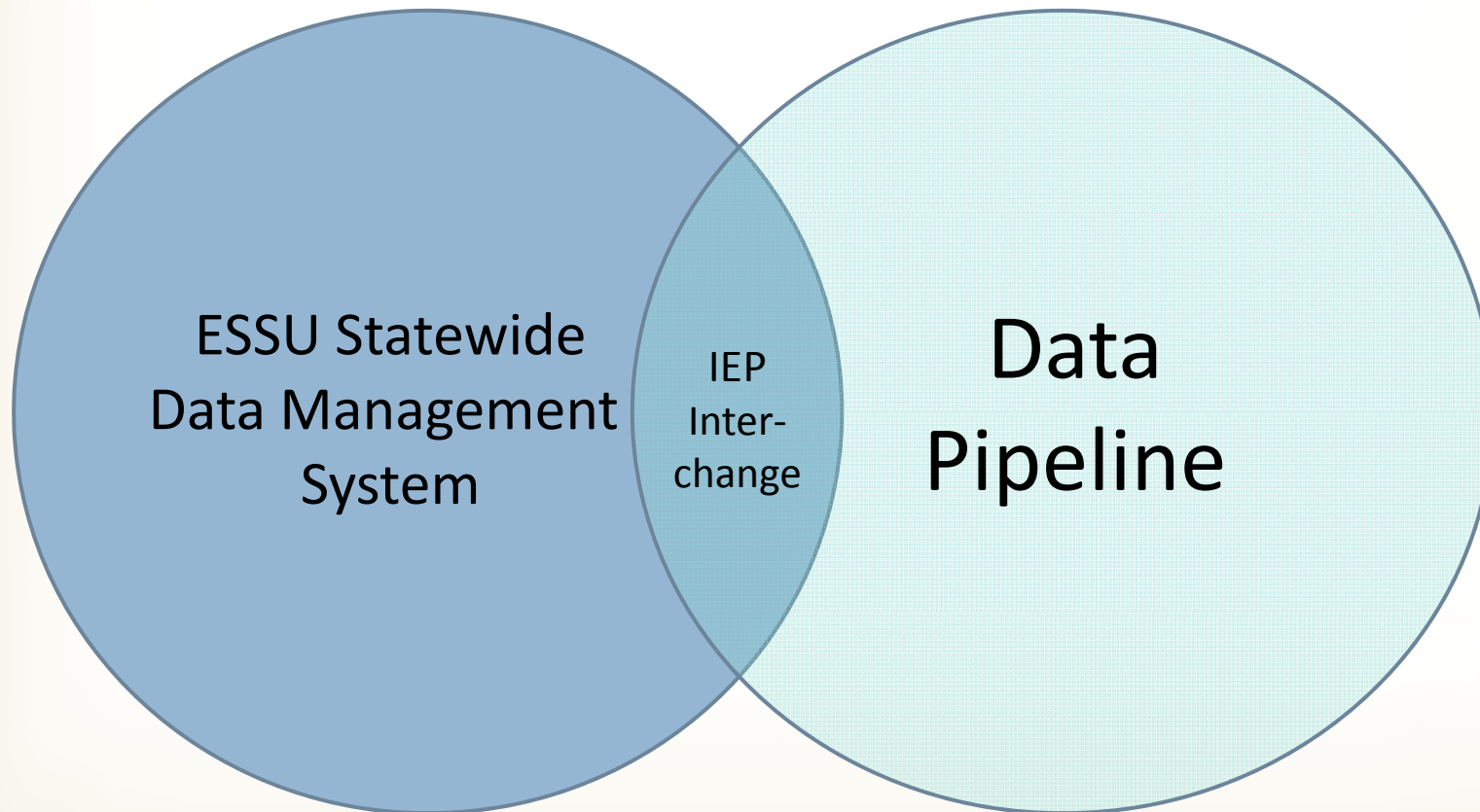
When we intentionally integrate...

- Coherent and rigorous academic standards
- Innovative and engaging learning options
- Supported and effective educators
- Aligned and meaningful assessments
- Statewide and district accountability

We can personalize learning and ignite the potential of every student.

Data Pipeline

A CDE Collaborative Effort



4/19/2013

ESSU Data Team

- **Kathy Baca**
- **Orla Bolger**
- **Melissa Chaffin**
- **Kristi Gleason**
- **Lindsey Heitman**
- **Sonia Vargas**

ESSU Statewide Data Management System

- **Cindy Millikin**
- **Karen Martin, Executive Project Manager**
- **Melissa Chaffin**

Resources for Information

- **Town Hall meetings**

- Thursdays 8:30-10:30

- <http://www.cde.state.co.us/rise/ADEReplacement-Trainings.asp>

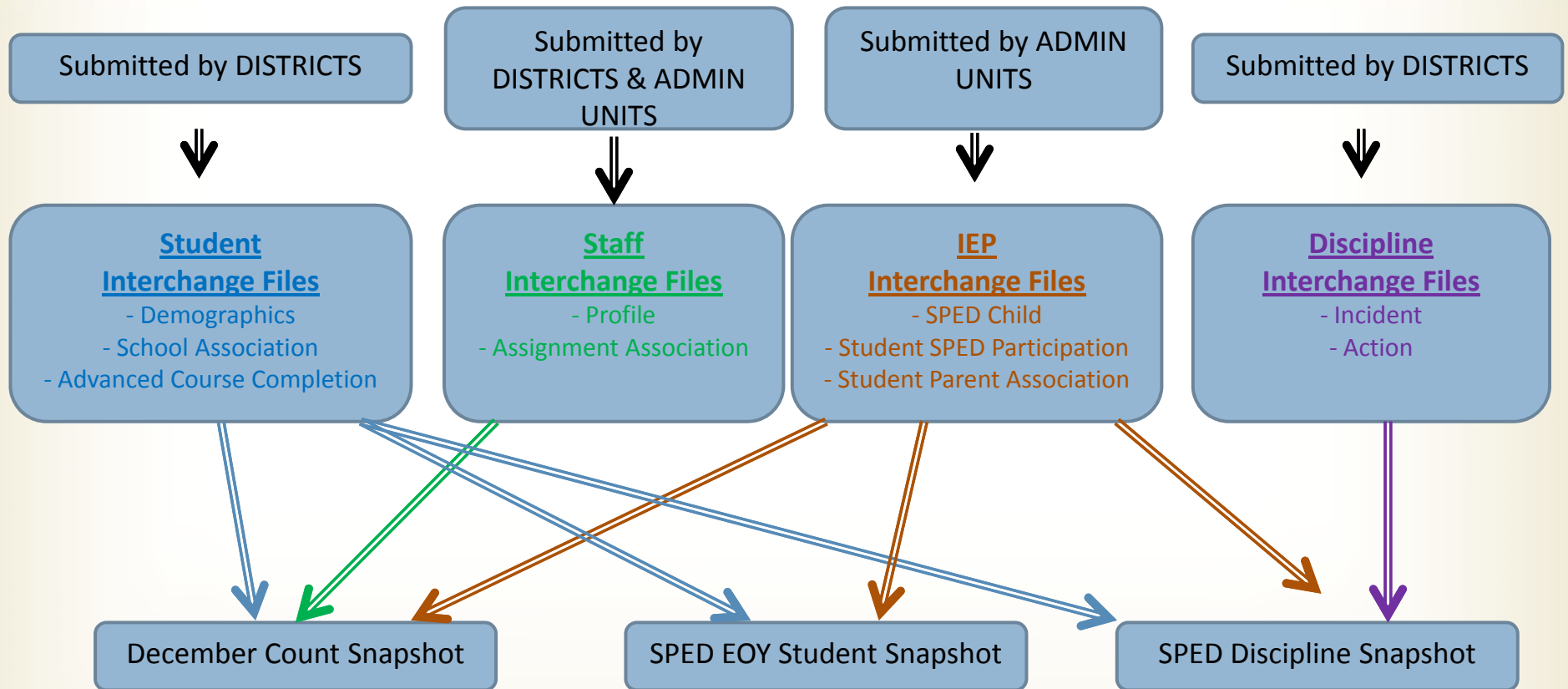
- **ADE Replacement Website**

- <http://www.cde.state.co.us/rise/ADEReplacement.asp>

- **Data Pipeline Website**

- <http://www.cde.state.co.us/datapipeline/>

Special Education Snapshots



Interchanges

Interchange	Files Required	Collections Represented
Student & Enrollment	Student Student School Association Advanced Course Completion	Student End of Year Special Education December Count (student) Special Education End of Year Discipline
Staff & Assignments	Staff Staff Assignment Association	Special Education December Count (staff)
Discipline	Discipline Incident Discipline Action	Special Education Discipline Safety and Discipline Indicator (2014-15)
Special Education IEP	Special Education Child Student Special Education Participation Student Parent Association	Special Education December Count (student) Special Education End of Year Special Education Discipline

Student & Enrollment

- **3 files**
 - Student Demographics
 - School Association
 - Advanced Course Completion

- **Contact information**
 - Heather Ford-Sajovetz
 - Ford-Sajovetz_H@cde.state.co.us
 - 303-866-6755
 - Kevin Smith
 - smith_kevin@cde.state.co.us
 - 303-866-6723

Student & Enrollment

Student Demographics File

School District/BOCES Code	Student's Address State	Student's Race: Native Hawaiian or Other Pacific Islander	Primary Nighttime Residence
Student's State ID (SASID)	Student's Address Zip	Free/Reduced Lunch Eligible	Language Proficiency
Local ID (LASID)	Student's Primary Telephone Number	Section 504 Handicapped	Bilingual
Student's First Name	Student's Secondary Telephone Number	Migrant	ESL Status
Student's Middle Name	Student's Email Address	Immigrant	Special Education Transition
Student's Last Name	Student's Ethnicity: Hispanic or Latino	Refugee	CoAlt Assessment Participant
Student's Gender	Student's Race: American Indian or Alaska Native	Language Background	Registered Homeschooled
Student's Date of Birth	Student's Race: Asian	Primary Disability	Adjustment Justification Code
Student's Address	Student's Race: Black or African American	Attends District Funded GED Program	
Student's Address City	Student's Race: White	Homeless	

Student & Enrollment

School Association File		
School District/BOCES Code	Exit Withdraw Date	Colorado Continuously
Student's State ID (SASID)	Exit Withdraw Type	Continuous in District
School Code	Retention Code	Continuous in School
Student's First Name	Pupil's Attendance Information	Date Most Recently Enrolled in U.S.
Student's Last Name	County Code of Residence for Joint School Districts	Primary School
Student's Gender	District of Parent's Residence for Non-Residence Students	Independent Study
Student's Date of Birth	Country of Parent's Residence for Non-Residence Students	Expelled Education
Entry Date	State of Parent's Residence for Non-Residence Students	Gifted and Talented
Grade Level	Public School Finance Funding Status	
Entry Type	Contractual Agreement with Third Party Educators/Programs	

Student & Enrollment

Advanced Course Completion File

School District/BOCES Code	Advanced Placement Course 3	Post Secondary Institution Semester 1A
Student's State ID (SASID)	Advanced Placement Course 4	Post Secondary Program Semester 1B
School Code	Advanced Placement Course 5	Post Secondary Institution Semester 1B
Student's First Name	Advanced Placement Course 6	Post Secondary Program Semester 2A
Student's Last Name	Advanced Placement Course 7	Post Secondary Institution Semester 2A
Student's Gender	Advanced Placement Course 8	Post Secondary Program Semester 2B
Student's Date of Birth	Advanced Placement Course 9	Post Secondary Institution Semester 2B
Advanced Placement Course 1	Advanced Placement Course 10	
Advanced Placement Course 2	Post Secondary Program Semester 1A	

Staff Interchange

- **2 Files**

- Staff Profile
- Staff Assignment Association

- **Contact**

- Annette Severson
 - Severson_a@cde.state.co.us
 - (303) 866-6824

Staff Interchange

Staff Profile File

Admin Unit/SOP Code	Staff's Race: American Indian or Alaska Native	Years of Prior Pre/K-12 Teaching Experience Out-of-State	Subject Area of Degree 3	Teacher Quality Standard 4: Reflect on Practice
School District/BOCES Code	Staff's Race: Asian	Years of Prior Pre/K-12 Education Experience In-State	Subject Area of Degree 4	Teacher Quality Standard 5: Demonstrate Leadership
Social Security Number	Staff's Race: Black or African American	Years of Prior Pre/K-12 Education Experience Out-of-State	Subject Area of Degree 5	Teacher Quality Standard 6: Student Growth
EDID	Staff's Race: White	Years Principal at any school	Passed Paraprofessional Test	Performance Ratings Principal Overall Performance Rating
Staff's First Name	Staff's Race: Native Hawaiian or Other Pacific Islander	Teacher Probationary Status	Passed NCLB HQ Approved Out Of State Elementary Or Early Childhood Core Content Test	Principal Quality Standard 1: Strategic Leadership
Staff's Middle Name	Staff's District of Residence	Highest Level of Education Completed	State Approved Content Test Adminstered (outside of Colorado)	Principal Quality Standard 2: Instructional Leadership
Staff's Last Name	Beginning (start) Date at School District	Institution Code of Degree	Teacher or Other Licensed Personnel Overall Performance Evaluation Rating	Principal Quality Standard 3: Culture
Staff's Gender	Ending (end) Date at School District	State Code of Degree	Teacher Quality Standard 1: Knowledge of Content	Principal Quality Standard 4: Human Resource Leadership
Staff's Date of Birth	Reason for Exiting District/Admin Unit	Subject Area of Degree 1	Teacher Quality Standard 2: Establish Environment	Principal Quality Standard 5: Management Leadership
Staff's Ethnicity: Hispanic or Latino	Years of Prior Pre/K-12 Teaching Experience In-State	Subject Area of Degree 2	Teacher Quality Standard 3: Faciliate Learning	Principal Quality Standard 6: External Development
				Principal Quality Standard 7: Student Growth

Staff Interchange

Staff Association File

Admin Unit/SOP Code	Job Classification Code	Grant/Project Funding Source	Grade Level - 6th
School District/BOCES Code	Start Date	Years Principal at this school	Grade Level - 7th
Special Education Assignment Flag	End Date	Grade Level - Infant	Grade Level - 8th
EDID	Employment Status Code	Grade Level - PreK	Grade Level - 9th
Staff's First Name	Number of Contract Days	Grade Level - K	Grade Level - 10th
Staff's Last Name	Hours Worked per Day	Grade Level - 1st	Grade Level - 11th
Staff's Gender	Hourly Rate of Pay	Grade Level - 2nd	Grade Level - 12th
Staff's Date of Birth	Base Salary or Wage	Grade Level - 3rd	24 Semester Hours Of Content Coursework In Teaching Area
School Code	Teaching Subject Area	Grade Level - 4th	Number of Classes Taught in Subject
SPED Staff Program Code	Administrator/Instructional Area	Grade Level - 5th	

Discipline Interchange

- **2 Files**

- Discipline Incident
- Discipline Action

- **Contact**

- Kristi Gleason
 - [Gleason k@cde.state.co.us](mailto:Gleason_k@cde.state.co.us)
 - (303) 866-4620

Discipline Interchange

Discipline Incident File
Admin Unit/SOP Code
School District/BOCES Code
School Code
Incident Identifier
Date of Incident
Behaviors
Weapons
Reported to Law Enforcement
Serious Bodily Injury

Discipline Interchange

Discipline Action File

Admin Unit/SOP Code	Disciplines
School District/BOCES Code	Discipline Start Date
School Code	Discipline Action Length
Incident Identifier	Special Education Removal Type
Student's State ID (SASID)	Special Education Removal Reason
Student's First Name	Received Education Services During Expulsion
Student's Last Name	Habitually Disruptive Student
Student's Gender	Referred to Alternative School or Program
Student's Date of Birth	Special Education Action Flag
Discipline Action Identifier	

Special Education IEP Interchange

■ 3 Files

■ Special Education Child

- Special education student demographic info
- (Facility, Part C, PPS, SOPs)

■ Student Special Education Participation

- Program and participation data

■ Student Parent Association

- Parent or guardian contact information

Special Education IEP Interchange

Special Education Child File

Admin Unit/SOP Code	Student's Race: American Indian or Alaska Native	Student's Address City
Student's State ID (SASID)	Student's Race: Asian	Student's Address State
Local ID (LASID)	Student's Race: Black or African American	Student's Address Zip
Student's First Name	Student's Race: White	Student's Primary Telephone Number
Student's Middle Name	Student's Race: Native Hawaiian or Other Pacific Islander	Student's Secondary Telephone Number
Student's Last Name	Grade Level	Student's Email Address
Student's Gender	Student's District of Residence	
Student's Date of Birth	State of Parent's Residence for Non-Residence Students	
ELL Status	District of Parent's Residence for Non-Residence Students	

Special Education IEP Interchange

Student Special Education Participation File

Admin Unit/SOP Code	Pupil's Attendance Information	Secondary Service Provider EDID 3	Reason for Delay in Completing Evaluation Part C	Reason for Delay in IEP Implementation C to B
Student's State ID (SASID)	State of Attendance	Secondary Service Provider EDID 4	Eligibility and Services Path 1	Eligibility and Services Path 2
Local ID (LASID)	Educational Orphan	Hours of Special Education Services per Week	Date Child is Referred to the Part C System	Date of Parental Consent to Evaluate Part B
Student's First Name	Parentally Placed in a Private School	Total School Hours per Week	Date Child is Found Eligible for Part C Services	Date Evaluation Completed Part B
Student's Last Name	Special Education Funding Status	Extended School Year Services	Date of Referral to Administrative Unit from the Local Community Centered Board	Reason for Delay in Completing the Evaluation Part B
Student's Gender	Date of Entry to Special Education	Basis of Exit	Date of Parental Consent to Evaluate C to B	Date of Initial Eligibility Meeting Part B
Student's Date of Birth	Date of Exit from Special Education	Special Education/Part C Referral	Date Evaluation Completed C to B	Date Initial IEP was Finalized Part B
Primary Disability	Educational Environment	Current Eligibility and Services	Reason for Delay in Completing Evaluation C to B	Reason for Delay in Finalizing the Initial IEP Part B
School Code	Primary Service Provider's EDID	Date Referred for Part C Evaluation	Date of Initial Eligibility Meeting C to B	Date IEP was Implemented Part B
Program Code	Secondary Service Provider EDID 1	Date of Parental Consent To Evaluate Part C	Reason for Delay in Initial Eligibility Meeting C to B	Reason the IEP was Never Implemented Part B
District of Attendance	Secondary Service Provider EDID 2	Date Evaluation Completed Part C	Date IEP was Implemented C to B	Eligibility and Services Path 3

Special Education IEP Interchange

Student Parent Association File	
Admin Unit/SOP Code	Adult Contact's Middle Name
Student's State ID (SASID)	Adult Contact's Last Name
Local ID (LASID)	Adult Contact's Address
Student's First Name	Adult Contact's Address City
Student's Last Name	Adult Contact's Address State
Student's Gender	Adult Contact's Address Zip
Student's Date of Birth	Adult Contact's Primary Telephone Number
Primary Contact Status	Adult Contact's Secondary Telephone Number
Adult Contact ID	Adult Contact's Email Address
Adult Contact's First Name	

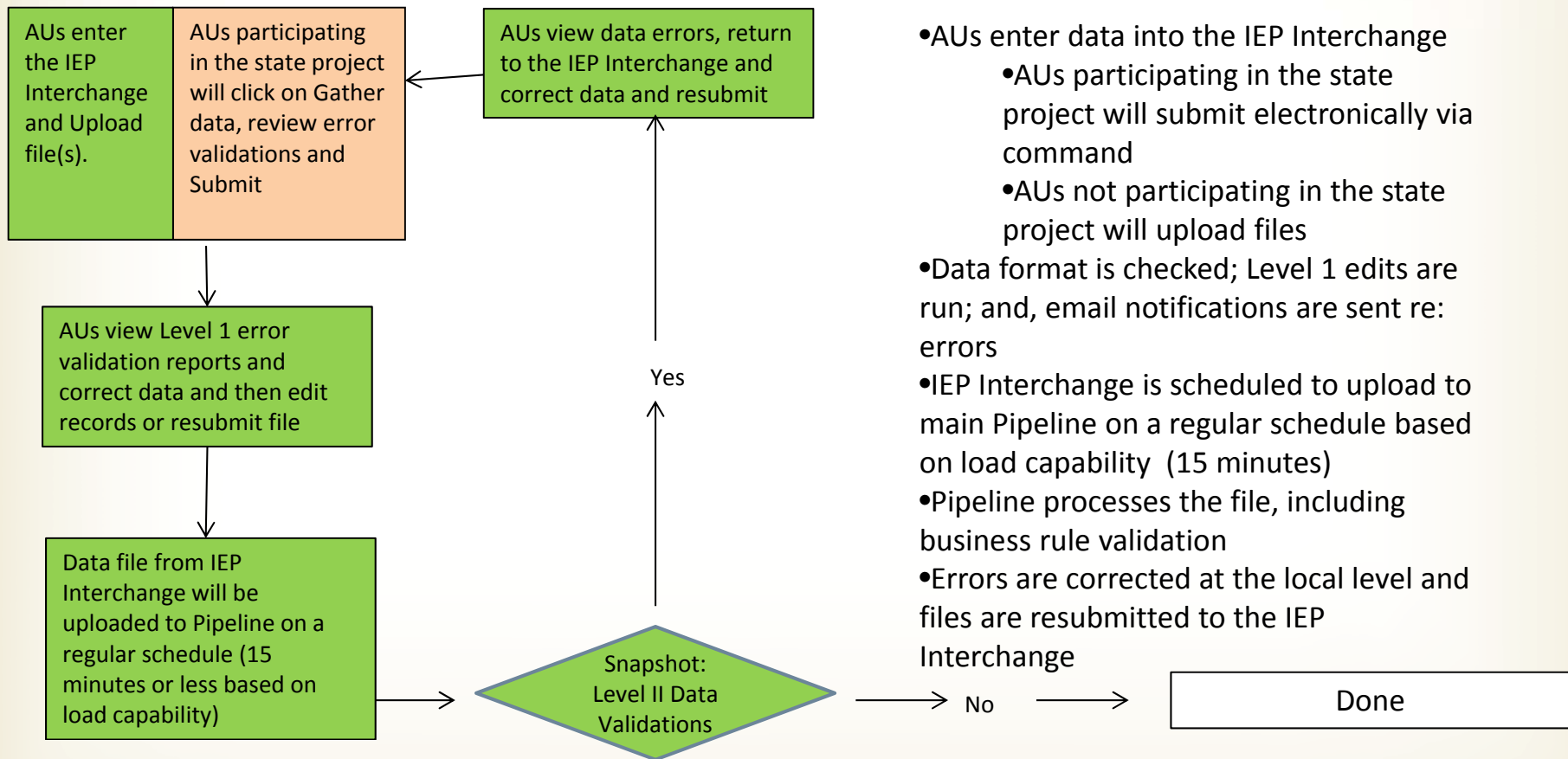
Special Education data flow

- Data uploaded to the IEP Interchange through the ESSU Statewide Data Management System. (Single sign-on)

- Level 1 errors at the IEP Interchange (corrections can be made at the Interchange but we encourage you to update your source system)

- Level 2 errors at the Snapshot (corrections cannot be made here, must be done at Interchange and then updated in source system)

Special Education IEP Interchange Workflow



- AUs enter data into the IEP Interchange
 - AUs participating in the state project will submit electronically via command
 - AUs not participating in the state project will upload files
- Data format is checked; Level 1 edits are run; and, email notifications are sent re: errors
- IEP Interchange is scheduled to upload to main Pipeline on a regular schedule based on load capability (15 minutes)
- Pipeline processes the file, including business rule validation
- Errors are corrected at the local level and files are resubmitted to the IEP Interchange

Snapshots

- Snapshot data taken directly from Interchanges
- Corrections to Snapshot data
 - Made in the source Interchange file(s)
 - Interchange File(s) resubmitted
 - Snapshot created again
- Snapshots represent a 'point-in-time' of the data

Pilot Timelines

Activity	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013
Collections/Snapshots												
Directory	Pilot											Pilot - Phase II
Student October	Pilot											Pilot - Phase II
EDIS		Pilot										Pilot - Phase II
RITS		Pilot										Pilot - Phase II
11th Grade Assessment		Pilot										Pilot - Phase II
Human Resources			Pilot									Pilot - Phase II
SBD - ACT			Pilot									Pilot - Phase II
Title I			Pilot									Pilot - Phase II
SBD - ACCESS						Pilot						Pilot - Phase II
Financial Collection					Pilot							Pilot - Phase II
Report Card March					Pilot							Pilot - Phase II
SBD - TCAP					Pilot							Pilot - Phase II
READ							Pilot					Pilot - Phase II
Student End of Year								Pilot				Pilot - Phase II
SPED Dec Count								Pilot				Pilot - Phase II
SPED Discipline								Pilot				Pilot - Phase II
SPED End of Year									Pilot			Pilot - Phase II
Math & Science									Pilot			Pilot - Phase II

Pilot - Phase I 3-5 LEA's required for first phase of piloting
 Pilot - Phase II Phase II will expand to include additional LEA's

Participate in Hands-On Experience

- **In advance of the 2013-14 implementation, take the opportunity to:**
 - Participate in Pilots
 - Become familiar with the system
 - Prepare files for the Data Pipeline
 - Specify authoritative data sources
 - Discover collaboration needs
 - Resolve issues related to missing data

User roles within Data Pipeline

- **Interchange User roles:**

- **LEA Viewer:** able to view data. Read only access
- **LEA User:** able to upload, edit, and submit data to Interchange

- **Snapshot User roles:**

- **LEA Viewer:** able to view data. Read only access
- **LEA User:** can create and update snapshots
- **LEA Approver:** has same permissions of the LEA User role AND able to provide final sign-off of data

How do I find my district LAM?

- **Request access from Local Access Manager**
 - Email
 - Call
 - Personal visit
- **Who is my LAM?**
 - Superintendent is the ultimate administrator
 - Email request datapipeline.support@cde.state.co.us for LAM
 - Receive URL to access list of Local Access Managers

Resources

Data Pipeline Website

- ❖ Information on Interchanges, Snapshots, Year-Round Collections, Periodic Collections, Trainings, Resources, FAQ's and Contacts



- ❖ File Layouts

- ❖ Recorded Webinars and Training Tutorials

Data Pipeline Project ADE Replacement Website

<http://www.cde.state.co.us/rise/ADEReplacement.asp>

- ❖ Details on the Data Pipeline Project

- ❖ Timelines

- ❖ Pilot participation

- ❖ Definitions and Terminology

- ❖ Get to Know Pipeline Activity

IDM Website <https://cdeapps.cde.state.co.us/faqs.html>

- ❖ What is Identity Management

- ❖ FAQ's

- ❖ User Policy

- ❖ IDM Videos

Who Are We?

- **Project Manager for Data Pipeline:**
 - Lisa Bradley (303) 866-4902 bradley_l@cde.state.co.us
- **Project Manager for ESSU Statewide Data Management System**
 - Cindy Millikin (303) 866-6619 millikin_c@cde.state.co.us
- **Director of Data Services**
 - Jan Rose Petro (303) 866-6838 petro_j@cde.state.co.us

Who Are We?

■ Data Services Unit:

- Kevin Smith (Student October/Student Interchange) (303) 866-6723 smith_kevin@cde.state.co.us
- Heather Ford-Sajovetz (Student End of Year) (303) 866-6755 ford-sajovetz_h@cde.state.co.us
- Annette Severson (Student Discipline and HR/Staff Interchange) (303) 866-6824
severson_a@cde.state.co.us
- Dennis St. Hilaire (Directory and Report Card March) (303) 866-6840 st.hilaire_d@cde.state.co.us
- Debbie Puccetti (RITS/EDIS) (303) 866-697 puccetti_d@cde.state.co.us
- Kristi Gleason (December Count/SPED Interchange/Student Discipline) (303) 866-4620
gleason_k@cde.state.co.us
- Lindsey Heitman (SPED End of Year) (303) 866-5759 heitman_l@cde.state.co.us

■ Exceptional Student Services Unit

- Kathy Baca (303) 866-6989 baca_k@cde.state.co.us
- Orla Bolger (303) 866-6896 bolger_o@cde.state.co.us
- Melissa Chaffin (303) 866-6819 chaffin_m@cde.state.co.us
- Sonia Vargas (303) 866-6649 vargas_s@cde.state.co.us

- datapipeline.support@cde.state.co.us