TEA's Texas Student Data System (TSDS): One-stop shopping for student data

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TSDS Objective

Provide an overview to Local Education Agency (LEA—Texas school districts and charter schools) stakeholders around the state about the **new Texas Student Data System** (TSDS) that TEA will be making available to all of the school districts and charter schools across the state.

What Functionality Will TSDS Provide?

- See student, classroom, campus, and LEA performance **graphically**.

- **Save time** in not having to search multiple sources for student and LEA data.

- Get a **complete view** of student performance, not bits and pieces.

- Use data to **set goals** with students, campuses and your LEA.

- Get **faster access** to student data so you have more time for your students.

- A client-side **validation tool** for PEIMS and Dashboard data.

- Loading and validation of your PEIMS data **not restricted** to current submission windows.

- Potential **cost savings** for your student information system (SIS) contracts.

TSDS will help you do <u>ALL</u> of the above.
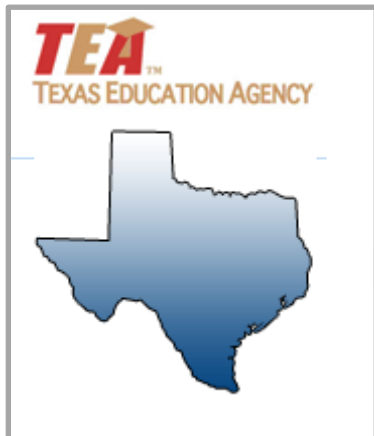
Key Questions

What is TSDS?

Why TSDS?

How will TSDS work?

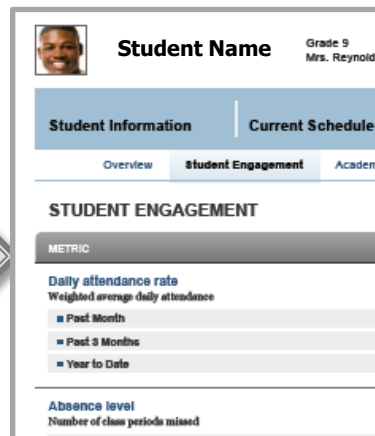What is the TSDS timeline?

How does my LEA stay informed?

What is TSDS?

TSDS Encompasses Four Key Projects
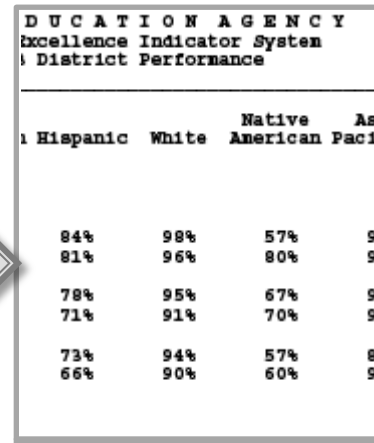

State-sponsored SIS

- Opt-in, voluntary SIS
- TEA has selected two options for offering SSIS
- TSDS <u>will</u> integrate with other SIS's – no requirement <u>or</u> mandate to switch

Education Data Warehouse

- Powers StudentGPS™ Dashboards
- System supported by TEA but the <u>data only available to educators</u>
- Will become conduit to submit PEIMS data
- Loading of non-PEIMS data is strictly optional and at the LEAs' discretion

PEIMS

- XML data standard will make it easier to submit and certify data
- Realign statewide data collection standards and protocol for LEAs (i.e., TEDS)

TPEIR

- Expanded to link pre-K, college readiness, and workforce data
- Load college readiness test score collections (SAT, ACT, AP Test data)

Stock photos – approved for non-promotional web distribution
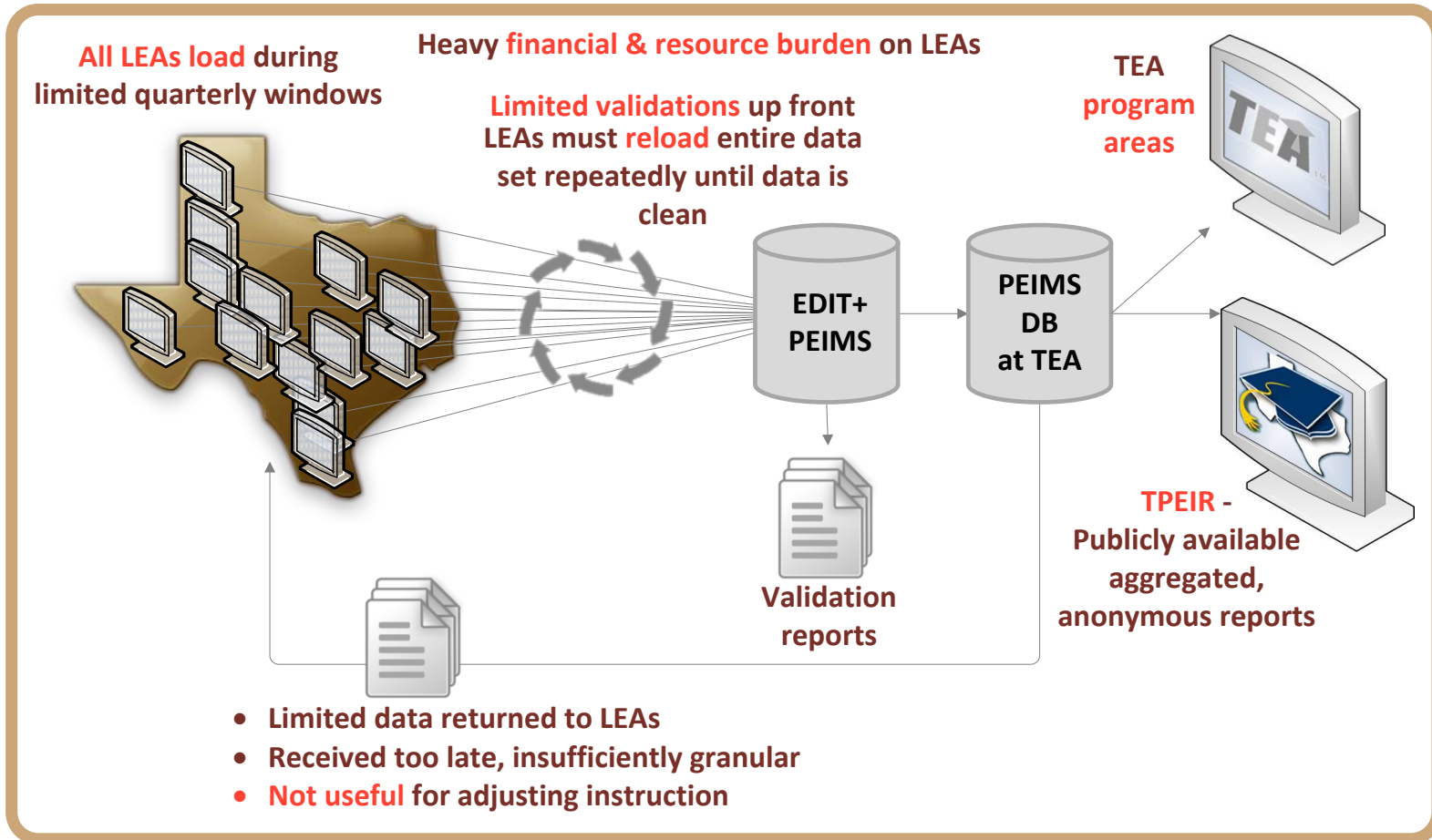
TSDS Vision

Reduce the data collection burden on LEAs, while putting real-time performance oriented dashboards in the hands of educators to improve student achievement.

Why TSDS?

Current PEIMS Data Collection

All LEAs load during limited quarterly windows

Heavy financial & resource burden on LEAs

Limited validations up front LEAs must **reload** entire data set repeatedly until data is clean

TEA program areas

EDIT+ PEIMS

PEIMS DB at TEA

Validation reports

TPEIR - Publicly available aggregated, anonymous reports

- **Limited data returned to LEAs**
- **Received too late, insufficiently granular**
- **Not useful for adjusting instruction**
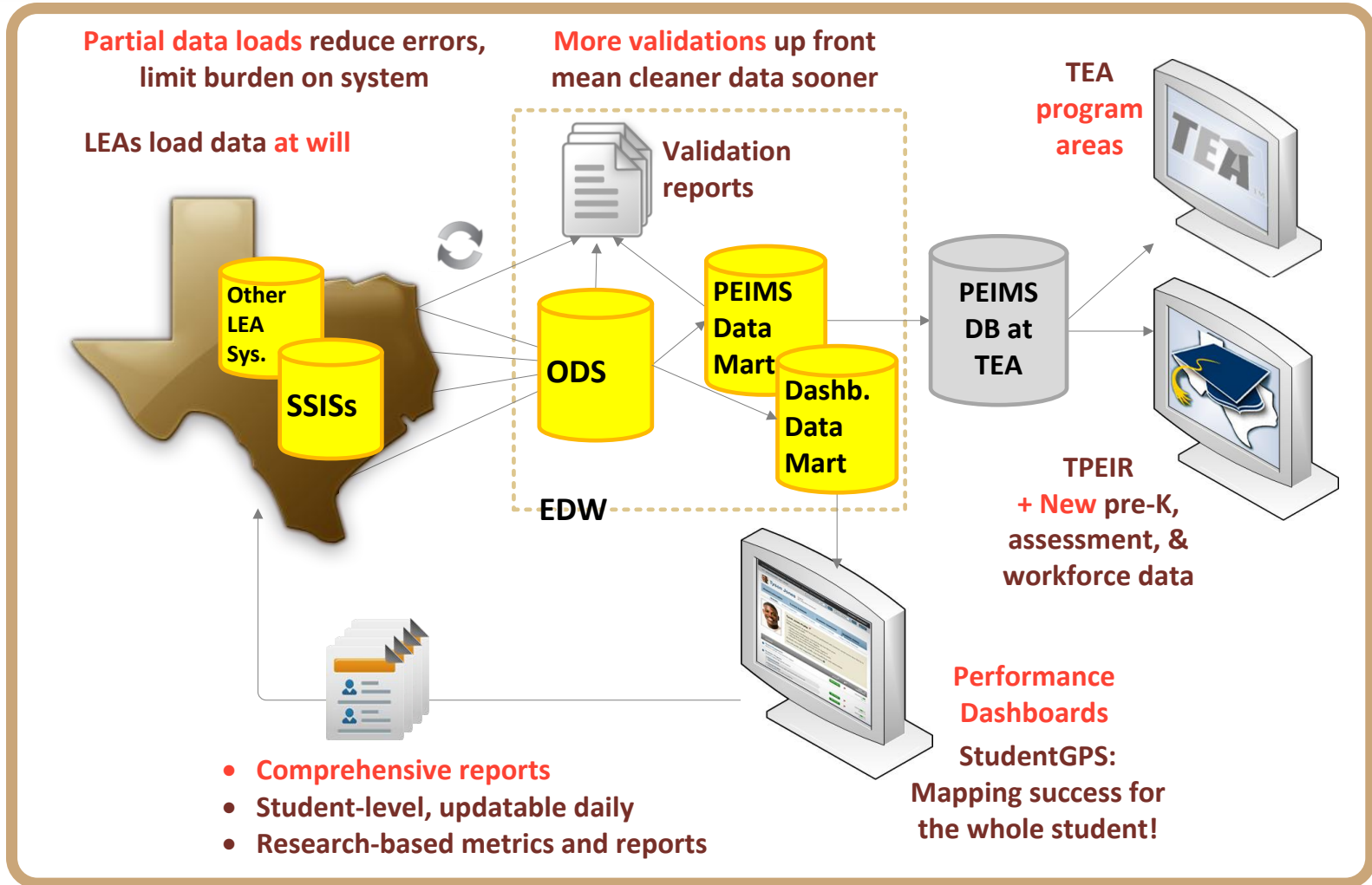
Burden on the LEAs

- **Inefficiency:** In addition to PEIMS collections, TEA requires over 150 separate data collections from LEAs. Gathering and cleaning this data takes LEAs significant time and resources.

    Also, quarterly "mad dash" to submit PEIMS data places immense pressure on LEAs due to short submit cycle windows.

- **Cost:** It costs Texas LEAs an estimated $323M to comply with PEIMS.

- **Limited impact:** PEIMS data rarely makes its way to the educators best positioned to improve student achievement.

- **Availability:** PEIMS data that is shared back with LEA is not timely and is not in a particularly useful format.

- **Incompatibility:** LEAs cannot load data from increasingly common 64-bit machines, and EDIT+ does not work with latest version of IE or other browsers.

How will TSDS work?

Introducing TSDS

Partial data loads reduce errors, limit burden on system

LEAs load data at will

More validations up front mean cleaner data sooner

TEA program areas

Validation reports

Other LEA Sys.

SSISs

ODS

PEIMS Data Mart

Dashb. Data Mart

EDW

PEIMS DB at TEA

TPEIR + New pre-K, assessment, & workforce data

Performance Dashboards

StudentGPS: Mapping success for the whole student!

- **Comprehensive reports**
- **Student-level, updatable daily**
- **Research-based metrics and reports**

Benefits to LEAs

- **Efficiency:** TSDS can collect data once for multiple reporting requirements and can scale for growth of future collections (long-term goal).

  Also, LEAs will be able to begin loading their data up to a year in advance to eliminate some of the submittal stress on LEAs.

- **Cost:** Federal and private grants allow TEA to provide TSDS components to LEAs free of charge.

- **Classroom Impact:** Daily uploads allowed, providing timely LEA access to performance data.

- **Availability:** Data provided to TEA will be more accessible by all at LEAs, from classroom teachers to central office staff.

Student Performance Dashboards

Granular data loads reduce errors, limit burden on system

More validations up front means cleaner data sooner

TEA

LEAs load data at will
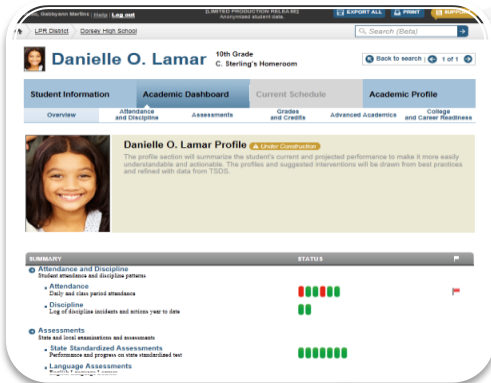
Dashboards*

- Initial dashboards based on national education research and review of best practices across the country

- Received and incorporated feedback on dashboard from 2,600 educators in Texas

- Enhancements to dashboards based on stakeholder feedback

- Comprehensive reports
- Student-level, updatable daily
- Research-based metrics and reports

*Referred to as "StudentGPS: Mapping success for the whole student."

Demonstration of the Dashboards
Student and Classroom

http://vimeo.com/47511948

Other useful links

- Monitoring Attendance and Truancy
- https://vimeo.com/50536610

- Student Goal Setting
- https://vimeo.com/50536609

- Intervention Identification and Monitoring
- https://vimeo.com/50536613

- Parent Teacher Conference Prep
- https://vimeo.com/50536612

- Campus Improvement Planning
- https://vimeo.com/50539357

- SST and ARD Prep
- https://vimeo.com/50536617

7 LEAs Launch StudentGPS™ Dashboards
During Limited Production Release in 2011/12

Lubbock ISD — Enrollment: 29K

LISD Lewisville Independent School District — COMMITTED TO EXCELLENCE — Enrollment: 50K

ALLEN INDEPENDENT SCHOOL DISTRICT — Enrollment: 19K

Hays CISD — Enrollment: 14K

Texas Education Agency — Alief — RECOGNIZED — Enrollment: 46K

PSJA "Focused on Performance" — Enrollment: 32K

TAYLOR — Enrollment: 3K

Lubbock
Lewisville   Allen
Hays   Taylor   Alief
PSJA

TEA™

Dashboards Valuable Tool for Educators

"This will be so valuable in communicating with parents."

"I do LOVE that now I can access info about absences, credits, college readiness, etc. at the same time!"

"With this data we would be able to identify and challenge our power kids!"

100% of Lubbock ISD and 98% of PSJA ISD users said they are likely or very likely to recommend the dashboards to their colleagues

New Insights on Campus & Students

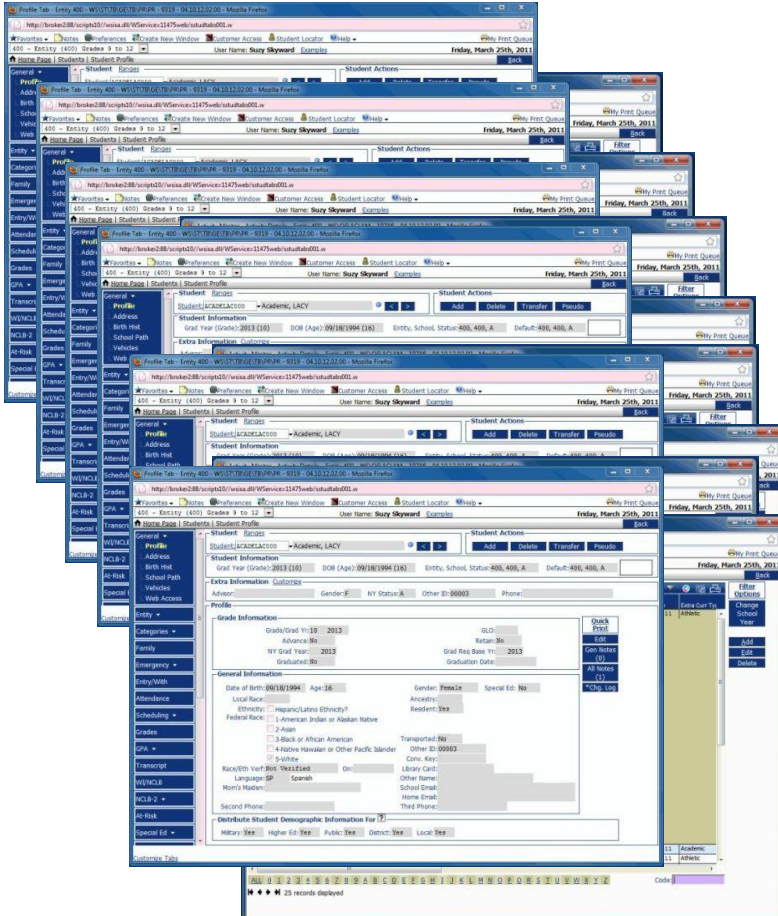"Attendance did surprise me! Our goal is set at 95% and we are still missing the mark."

"It surprised me to see all the red for TAKS. Our campus goals are high!"

"WOW! Everything about my school is here. Unbelievable! It's everything I need to do my job.

87% of PSJA users could see themselves using this tool on a regular basis to make decisions about instruction

Dashboards save users time

It takes 10 – 15 screens in the student information system to get the information on the dashboard student profile page

"There were some schools where there was a data wall, the numbers were in everybody's face all the time, …" Teachers did not have a clear sense of how the data were being used. – Brenda J. Turnbull, Policy Studies Associates
Article by Sarah D. Sparks: "New Studies Dissect School Turnarounds" *Education Week* – September 18, 2012

TSDS Timeline

How do we roll out to 1,237 LEAs?

A phased approach:

1. Seven (7) LEAs will be involved in **Limited Production Releases** (LPRs); three (3) are currently in production (Lubbock, Allen, & Pharr-San Juan-Alamo, then Taylor, Hays, Lewisville and Alief).

2. "Early adopter LEAs" will utilize the TSDS system during 13/14 school year.*

3. We expect there to be a multi-year phase-in for all LEAs.*

* TEA will operate both EDIT+ and TSDS during the implementation period—both systems will feed the PEIMS database at TEA.

TSDS Statewide Implementation Timeline

Late-2009	2010	2011	2012	2013	2014

Draft data snapshots defined

Snapshots finalized based on feedback

Stakeholder engagement

Draft data standard defined

Transfer tested data standard

Initial EDW prototype

Limited Product Release Phase

Statewide implementation of EDW, PEIMS, and dashboards

Field test and acceptance of data standard

Unique-ID (UID), TEAL & Education Data Warehouse (EDW) Implemented

State-Sponsored SIS requirements released

Integrate SSIS and EDW

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TSDS Training & Support

Training Plan

Training:

Train the trainer model utilizing ESC staff

Four areas of training provided:

PEIMS, Performance Dashboards, Unique ID & Technical

Our intent is training will leverage the Project Share platform

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Support Plan

Support:

1. Level 1 support will be at the district level or the ESC

2. Level 2 support will be the ESC

3. Level 3 support will be the TEA

How can your LEA stay informed?

➢ Access www.TexasStudentDataSystem.org:

  ➢ **Single source for all information related to TSDS**

    ➢ Assess your Total Cost of Ownership for your current SIS using our TCO tool

    ➢ Find out how the new Texas Education Data Standard (TEDS) is being deployed

    ➢ Signup your LEA to be an Early adopter of TSDS (TSDSCustomerSupport@TEA.state.tx.us)

➢ Contacts

  ➢ Contact: Sharon.Gaston@tea.state.tx.us or Melody.Parrish@tea.state.tx.us for any additional TSDS questions and/or assistance

  ➢ Contact: Roger.Waak@tea.state.tx.us about any additional Skyward Contract questions and/or assistance

  ➢ Contact: Cynthia.Cammack@tea.state.tx.us about any additional TCC Contract questions and/or assistance

Questions?

F.A.Q.s

- **Will TEA have access to my low-level data within TSDS without my permission?**

- **Answer:** Only the LEAs will determine who has access to their data—not TEA.

- **If I put my data in the cloud, will it be secure?**

- **Answer:** The data will be secure in a Tier 2 Data Center, and the LEAs will retain control of their data and who has access to it.

Thank you!