METIS 2019

OTSS Update and Overview

July 17, 2019

MISSISSIPPI DEPARTMENT OF EDUCATION
Ensuring a bright future for every child

John Kraman
Chief Information Officer

Mississippi Department of Education

VISION

To create a world-class educational system that gives students the knowledge and skills to be successful in college and the workforce, and to flourish as parents and citizens

MISSION

To provide leadership through the development of policy and accountability systems so that all students are prepared to compete in the global community

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MISSISSIPPI STATE BOARD OF EDUCATION

STRATEGIC PLAN GOALS

1. All Students Proficient and Showing Growth in All Assessed Areas

2. Every Student Graduates from High School and is Ready for College and Career

3. Every Child Has Access to a High-Quality Early Childhood Program

4. Every School Has Effective Teachers and Leaders

5. Every Community Effectively Uses a World-Class Data System to Improve Student Outcomes

6. Every School and District is Rated “C” or Higher

METIS 2018 to METIS 2019: What's New?

1. Mississippi Succeeds Report Card and Accountability Data
2. Governance, Privacy, and Security
3. Research Agenda
4. MSIS Upgrades and Modernization: The Roadmap
5. What's Next?

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Mississippi Succeed

Report Card

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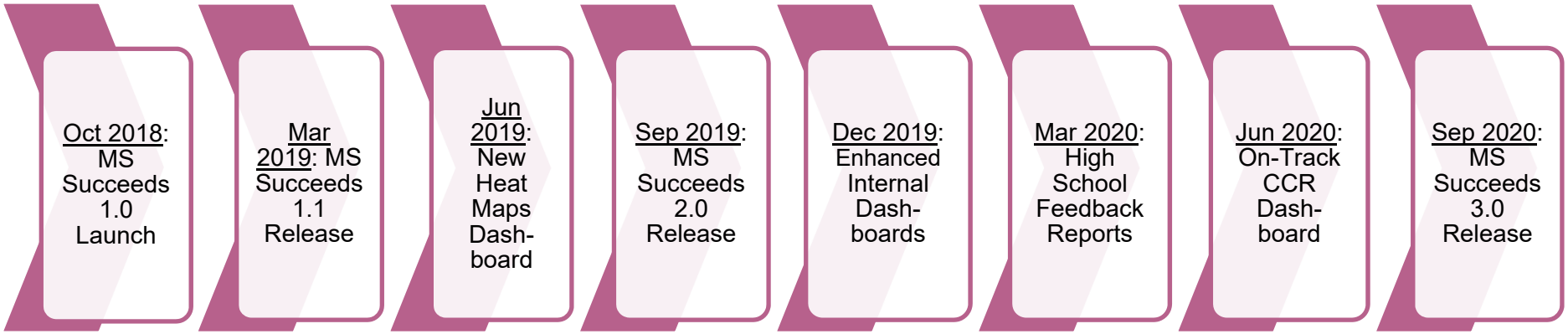
Dashboard Roadmap: Quarterly Output 2018 thru 2020



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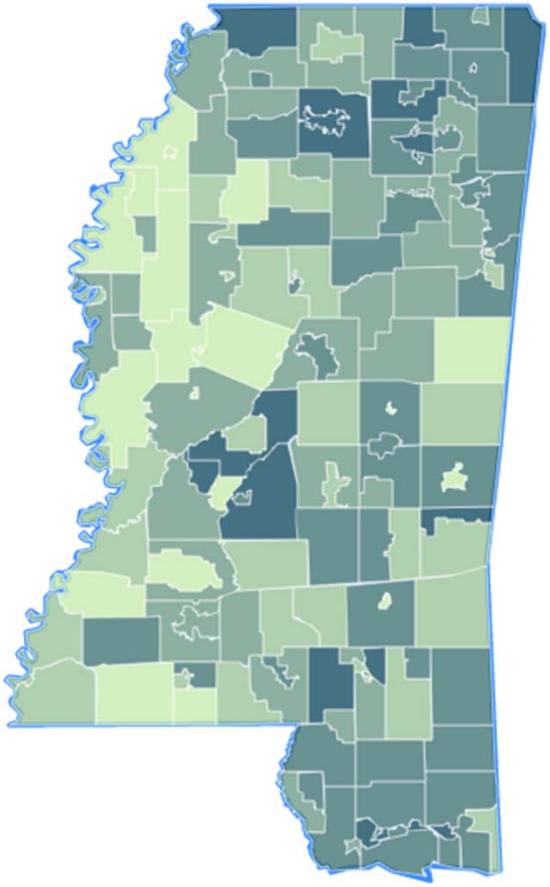
Dashboard Roadmap: “Heat Maps” (June 2019)

Data Map
View performance measures on a map.



JK1

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Slide 7

JK1 John Kraman, 7/16/2019

Governance, Privacy, and Security

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Governance, Privacy, and Security

Information Security and Data Privacy

The MDE and educators across Mississippi school districts are committed to ensuring the confidentiality of student data while enabling that information to be used appropriately to improve student outcomes.

Resources listed below provide education stakeholders and the public more information in terms of the appropriateness of data use and the protection of student privacy.

Privacy Technical Assistance Center (PTAC)

The U.S. Department of Education has established PTAC as a "one-stop" resource for education stakeholders to learn about data privacy, confidentiality, and security practices related to student-level longitudinal data systems. This website aims to help educators and parents understand the requirements of federal privacy laws.

- Student Privacy 101
- FERPA Regulations
- Privacy and Security Glossary
- Disclosure Avoidance

Student Data Privacy Consortium (SDPC)

SDPC develop common activities, artifacts, templates, tools and effective practices to address the issues that schools, states and vendors face when protecting student information.

A Stoplight for Student Data Use

(From Data Quality Campaign)

The Data Quality Campaign (DQC) has released this brochure that explains in a simple way the privacy laws that protect student data. This tool summarizes some of the main provisions of FERPA and related regulations and identifies when students'

Information Security and Data Privacy

601-359-3487
Staff

Links

- Technology and Strategic Services
- Core School Applications
- Customer Support and Training
- Data Analysis and Reporting
- Information Security and Data Privacy
- Infrastructure and Support Services
- METIS (Mississippi Education and Technology Innovation Symposium)
- Mississippi E-Rate
- MS Student Information System (MSIS)
- Research and Development
- SLDS Grant
- Textbook Inventory Mgmt System (TIMS)

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Research and Development

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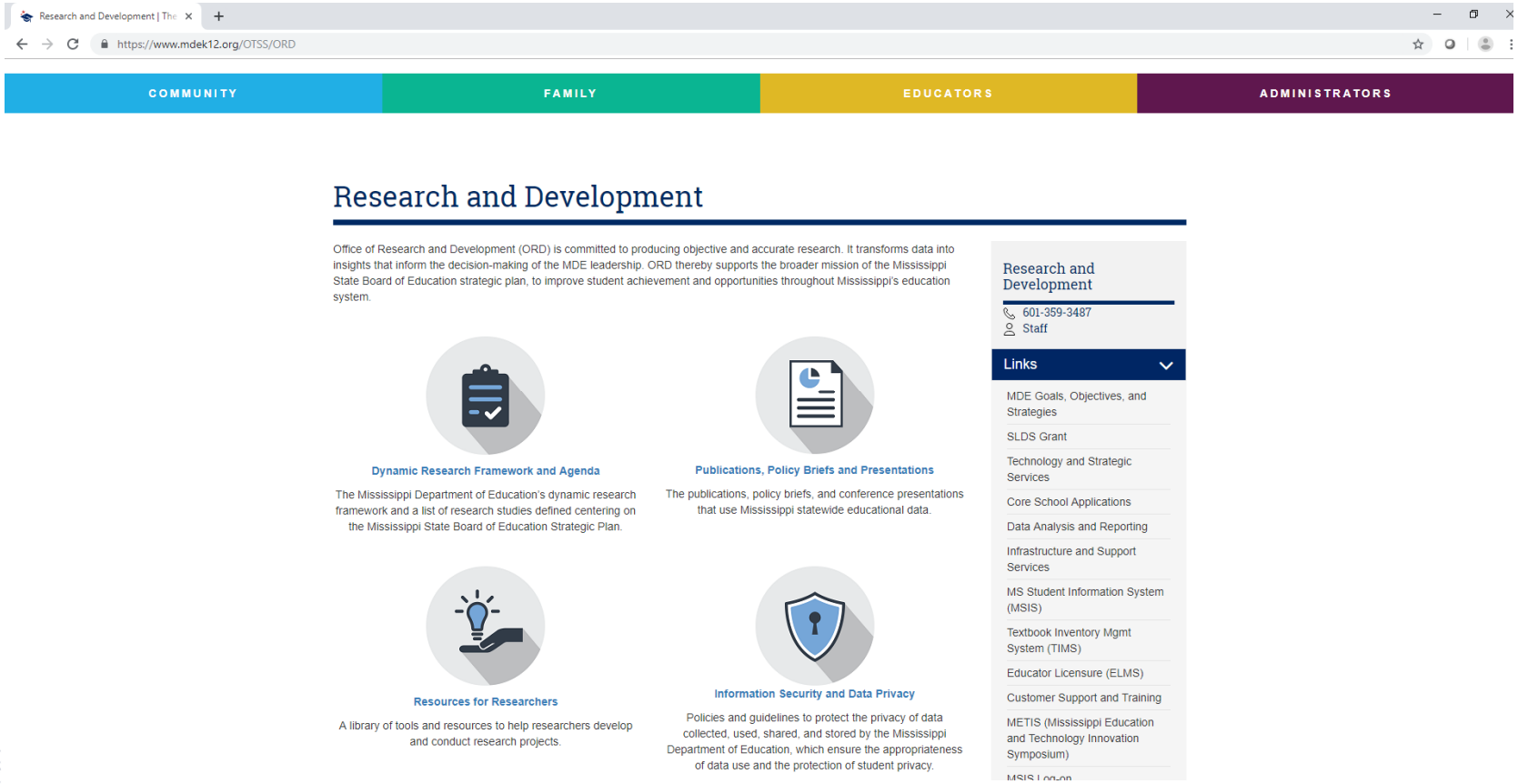
Research and Development



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MSIS Modernization

Preparations

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Preparing for MSIS Modernization

Throughout FY2019, OTSS has been in discussions with

- **Districts:** Technical Advisory Committee
- **District Vendors:** Central Access and PowerSchool
- **Other State Education Agency CIOs**
  - CCSSO's Education Information Management Advisory Collaborative and CIO Network (and 1-on-1 with CIOs)
- **K12 Data Standards Organizations**: Ed-Fi, A4L & CEDS
- **National Vendor Community**

MSIS Modernization

GOALS

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MSIS Modernization Goal 1

Re-engineer MDE's data submission process

- **Automated data collection in "near" real-time** (at least nightly), replacing the monthly and annual file submissions. This will result in more timely and actionable data, with more value for schools, teachers, students and families.
- **Automated and expanded data validation** to ensure that the data MDE collects mirrors the data schools and districts are using to make day-to-day decisions. This will result in more accurate data with less human effort.

MSIS Modernization Goal 2

Re-engineer MDE's data management processes

- **Automated data reporting** to increase the timeliness and reliability to data, including consistency across reports. This will support expanded reporting, while also freeing local (and MDE) staff to spend more time analyzing and using data to improve student outcomes.
- **Increased transparency** will empower districts by giving them the ability to see how their data informs reporting, accountability and funding at the MDE, and to certify that their data are correct. This will increase trust and reliability of data.

MSIS Modernization Value Propositions

- **For administrative staff,** MSIS modernization will improve data quality with less effort. This will free district resources so they can better support data quality and data-driven decision making.
- **For educators and students,** MSIS modernization will enable the return of near real-time, high-quality information to the classroom, strengthened by analysis of statewide, longitudinal data.
- **For state-level policy-makers**, MSIS modernization will support a more nimble and cost-effective way to provide accurate information needed to answer critical questions across a broad set of issues.

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MSIS Modernization

Current v. Future State

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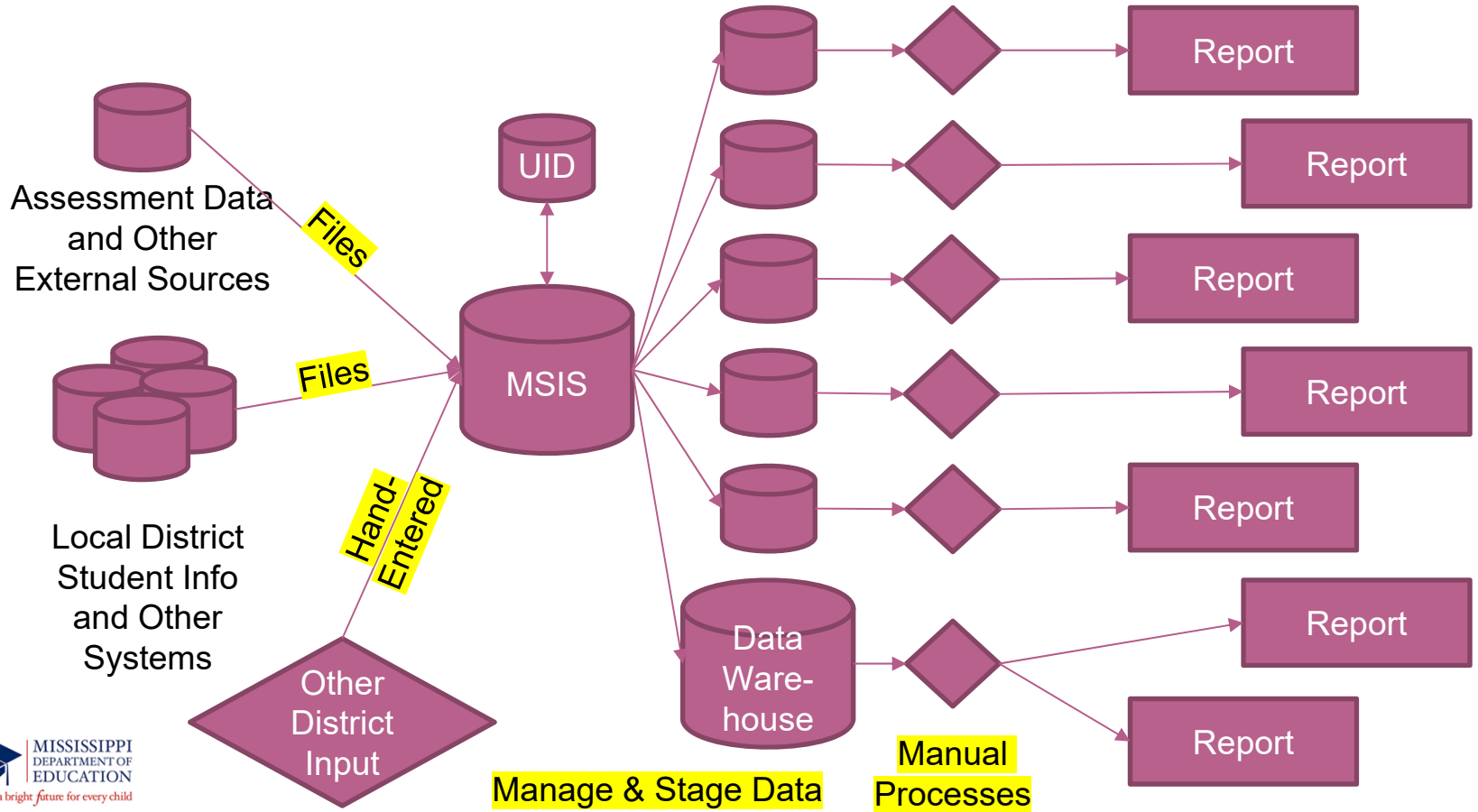
MSIS Current State



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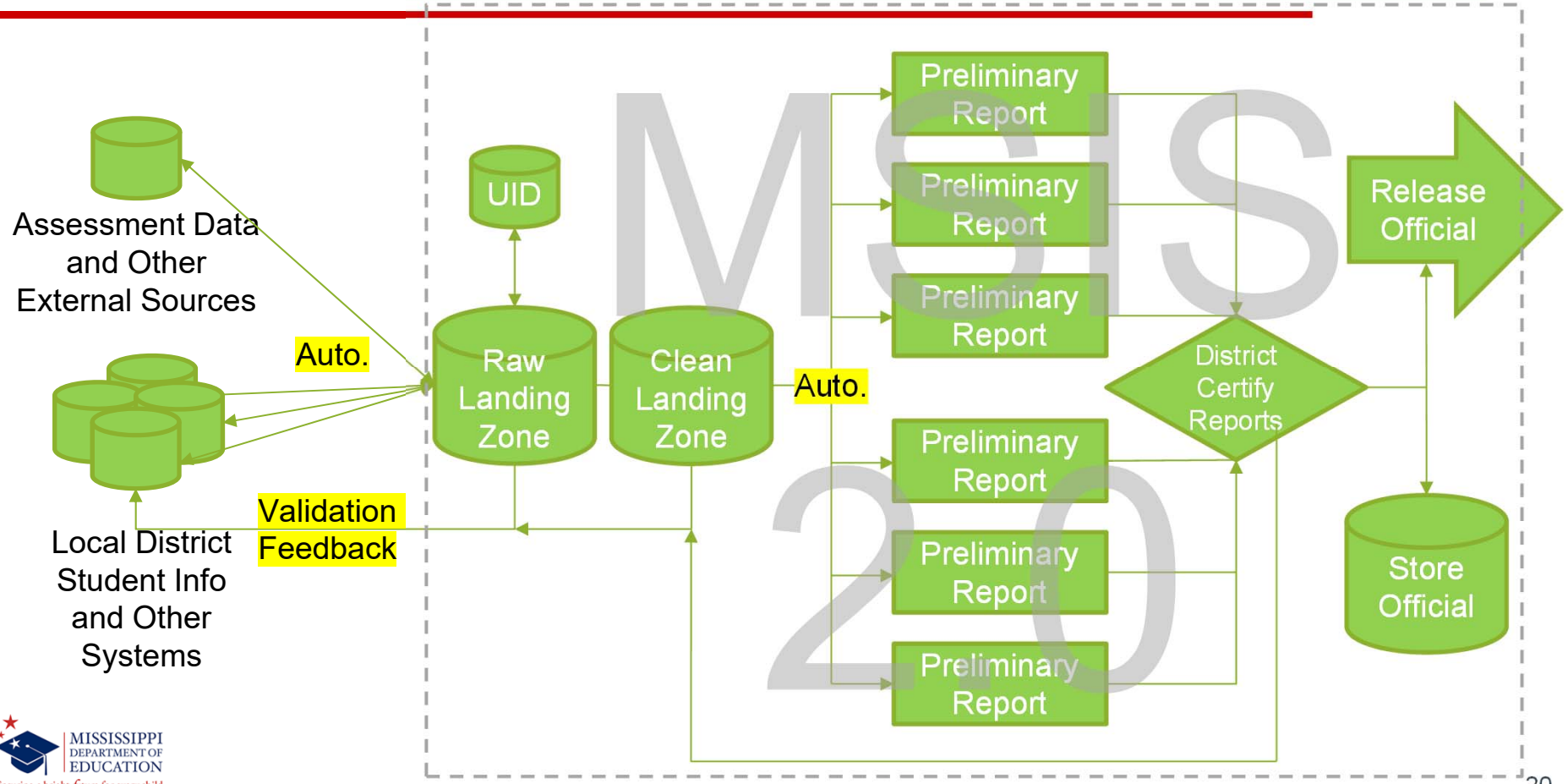
MSIS Future State



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MSIS Modernization

Phases & Deliverables

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MSIS Modernization: Phase 1 (FY2020-21)

- **Work/Deliverables**
  - Document current systems and processes
  - Broad stakeholder engagement/input
  - Design/plans to re-engineer MSIS
  - Pilot components of the MSIS 2.0
  - Continue to develop/expand MS Succeeds Report Card, etc.

MSIS Modernization: Phase 2 (FY 2022-23)

- **Work/Deliverables**
  - MSIS 2.0 “near” real-time data/submission process
  - MSIS 2.0 “near” real-time data validation system
  - MSIS 2.0 data certification system/process
  - MSIS 2.0 transparent and automated data management system/process that supports and feeds data to the expanded MS Succeeds Report Card, etc.

What's Next?

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