

ADE IT Modernization Effort Update



Presented to:

Arizona Data Governance Commission

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Agenda

- Project Updates
 - SAIS Assessment close out
 - AELAS Business Case
 - Enterprise Architecture
 - Student-Teacher Connection
- Technology Standards Update
- SLDS Demo
- Project/Budget Summary Update
 - Contingency request



Gus Felderhoff - Statêra

SAIS ASSESSMENT CLOSE OUT

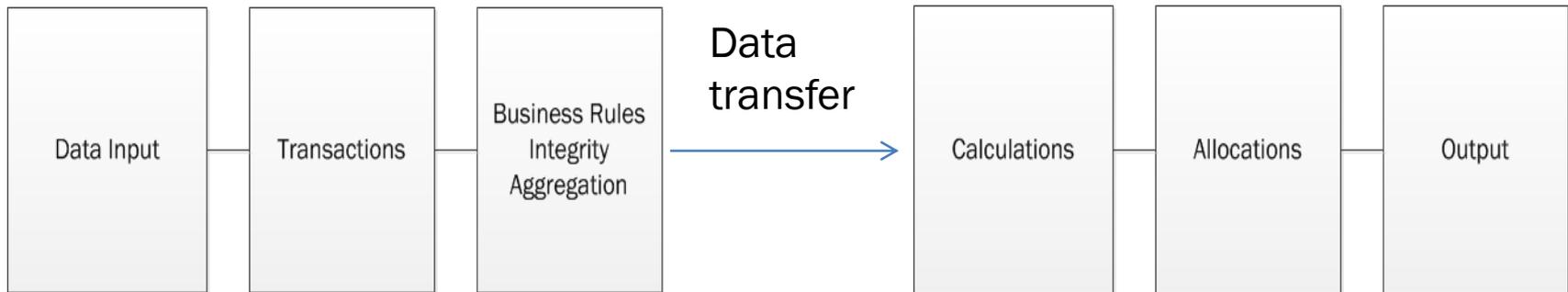
SAIS Assessments (Reengineering)

- Identified core functions and processes
- Mapped SAIS processes from beginning to end
- Analyzed and documented all processes

SAIS Reengineering

SAIS Data Rules

SAIS Funding Rules



- Problem domain is understood and documented
- Understanding what SAIS needs to be and how it has to work
- Critical data source and guide to requirements gathering phase



Jolene Newton, LearningMate

AELAS BUSINESS CASE

AELAS Business Case Survey

- **\$350,000,000** on software licensing and integration every 5 years
- **\$22,500,000** on SAIS personnel costs
- IT education administrative systems
 - Human Resources **\$2,000,000**
 - Financial Systems **\$14,000,000**
 - Student Information Systems **\$2,000,000**

Challenges

- District systems **do not share data** with each other or with ADE
 - Average of **10** stand-alone systems per district
- Funding for IT minimizes funding for **curriculum, instruction and learning tools**

AELAS Research

- Preliminary survey results are early justification
- AELAS early adopters (MCESA REIL Districts)
 - Assessment System
 - Content Management System
 - Learning Management System / Professional Development
 - Data Management System
 - Observation Tool (ADE Developed System)
- Increase LEA site visits through Educational Associations

Private Cloud RFI

- Results are in from the RFI
 - 8 vendors responded
 - 5 vendors did not have sufficient time to respond
 - 3 vendors communicated interest but did not respond
 - 330 vendors associated with commodity codes
 - Insufficient time to respond
- Closely work with Chief Procurement Officer to re-issue RFI to increase quantity and quality of responses



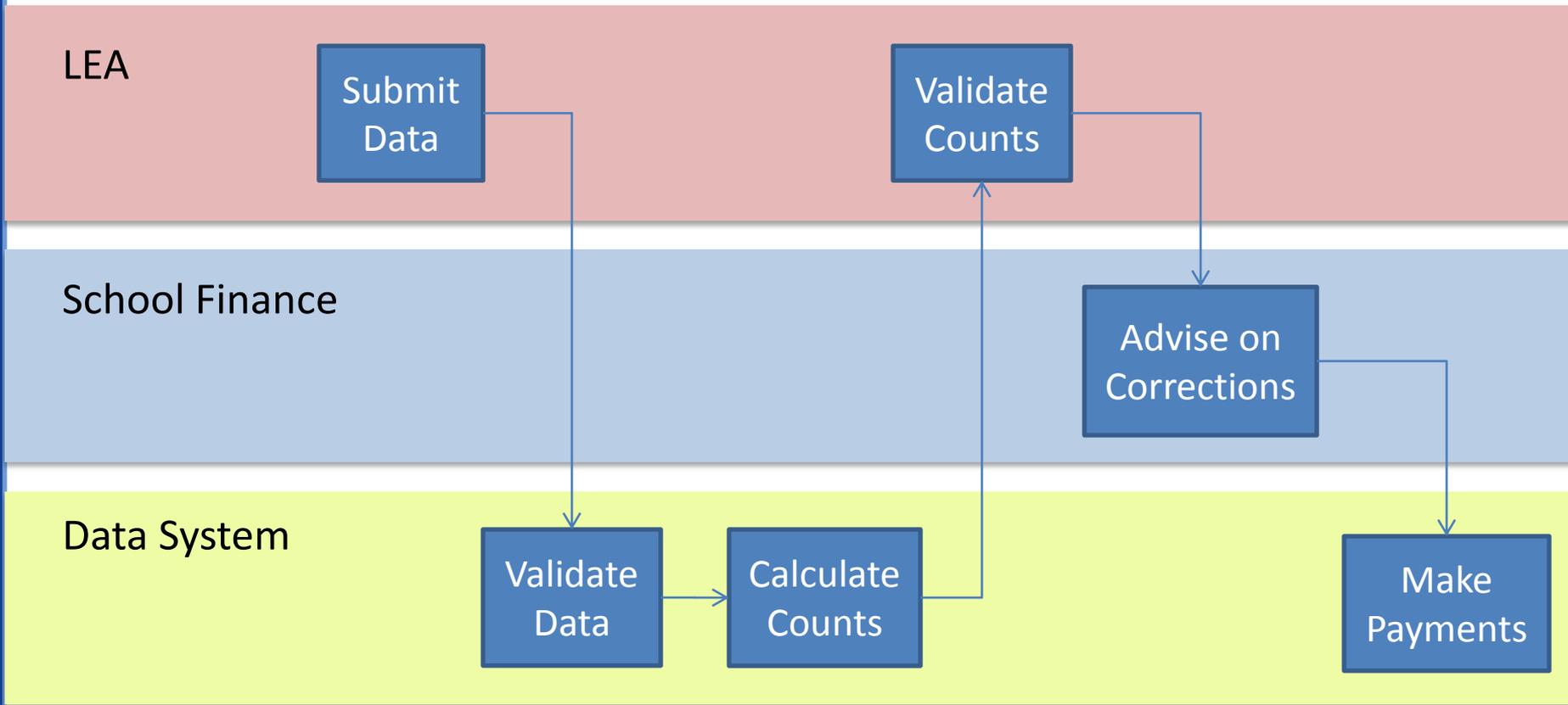
Ed Jung, LearningMate

ENTERPRISE ARCHITECTURE

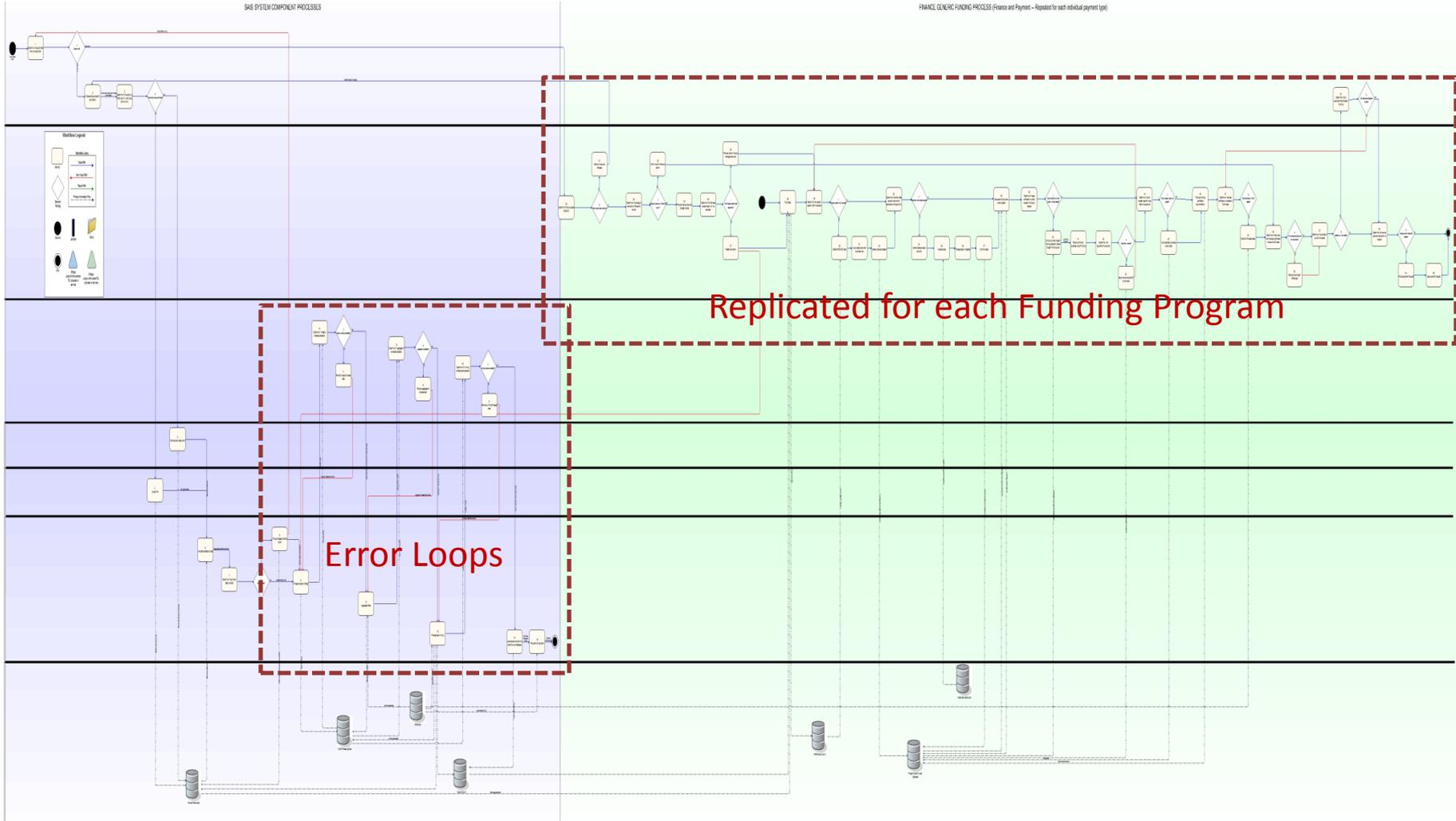
Business Engagement

- Follow the money trail (and audit findings)
- School Finance
- Grants Management
- Exceptional Student Services

School Finance – To Be

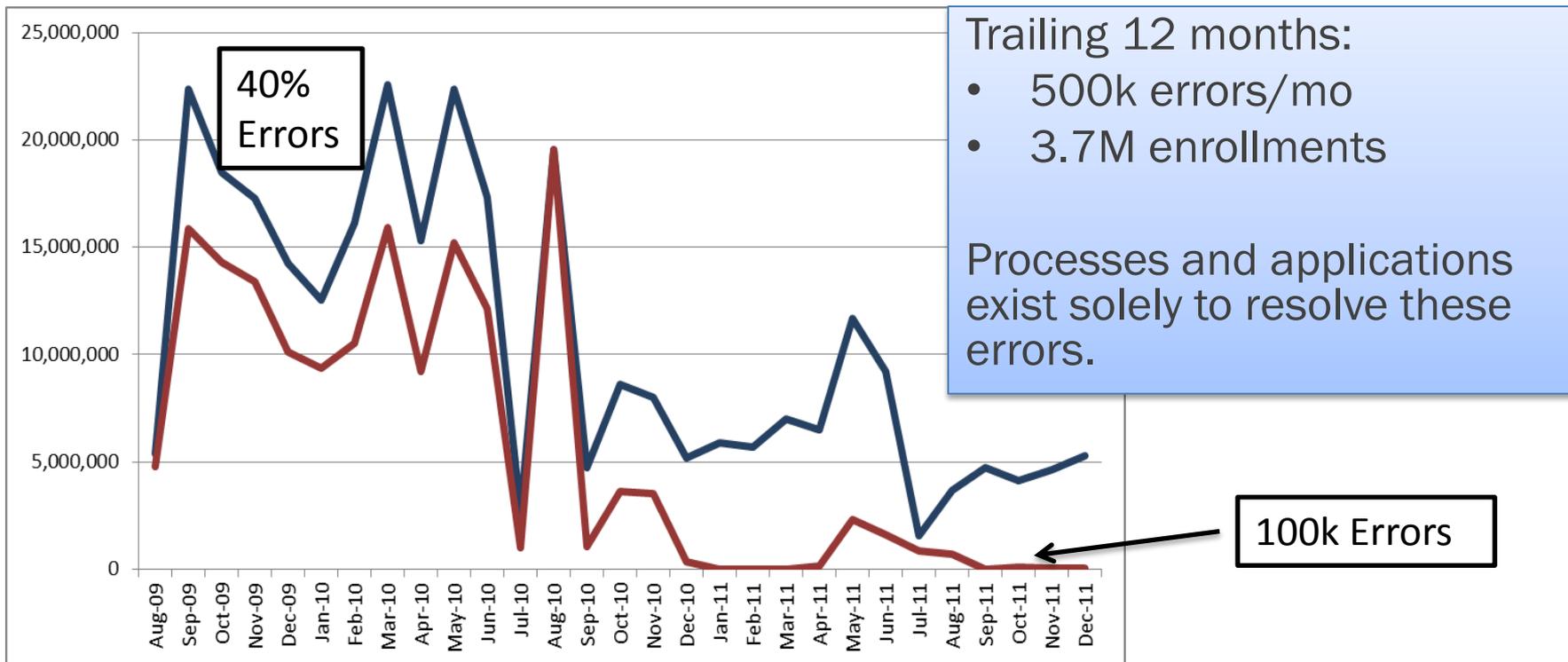


School Finance – As Is

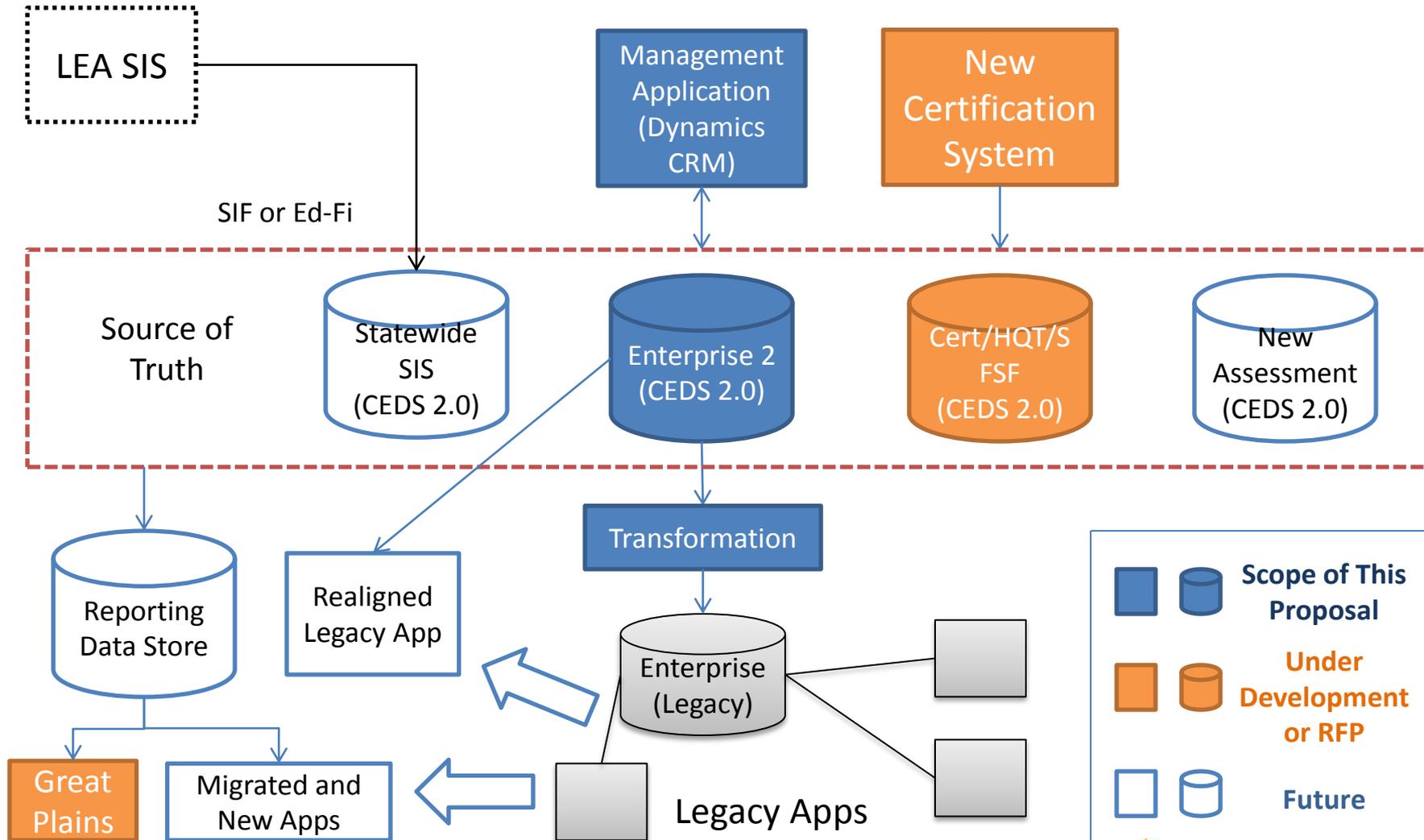


Student Data Drill Down

- Significant improvement in total errors in 2011
- 61M Valid transactions 2010-2011 (53M '09-'10)



Conceptual Model



A photograph of a teacher and two students in a library. The teacher, a woman with short brown hair wearing a grey blazer over a green top, is leaning over a table. Two students, a boy and a girl, are looking at a tablet together. The boy is in the center, and the girl is on the right. They are in a library with bookshelves filled with books in the background.

Lisa Levy

STUDENT-TEACHER COURSE CONNECTION

Presentation Overview

- Student-Teacher-Course Connection Program
- Benefits
- Participant Roles
- Pilot Snapshot
- Timeline
- Questions

Program background

States receiving funds under State Financial Stabilization Fund (SFSF) must provide assurances in four key areas of education reform

1. Achieving equity in teacher distribution
2. Improving the collection and use of data
3. Standards and assessment
4. Supporting struggling schools

Program objectives

- Comply with remaining indicators to fulfill obligations from ARRA and SFSF
 2. Improving the collection and use of data
 3. Standards and assessment

Student-Teacher-Course Connection Components:

- Technology project
- Process rollout

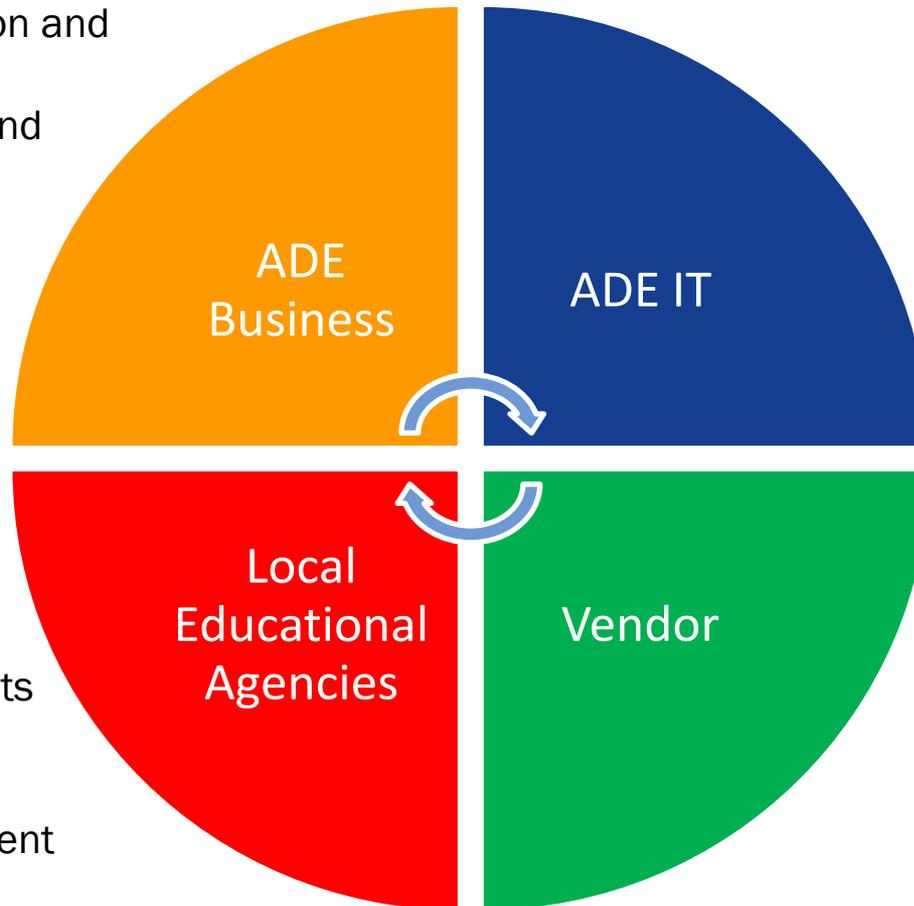
Key benefits

- Better visibility of relationships
- More effective understanding
- Complete information for more meaningful dialog
- Transparency in relationship
- Easier transition of information
- Single tool for all to use within Arizona



Project participant roles

- Project champion and principal user
- Provide SMEs and grant oversight



- Standardize courses to national codes
- Connect students to teachers to courses
- Ongoing alignment to process

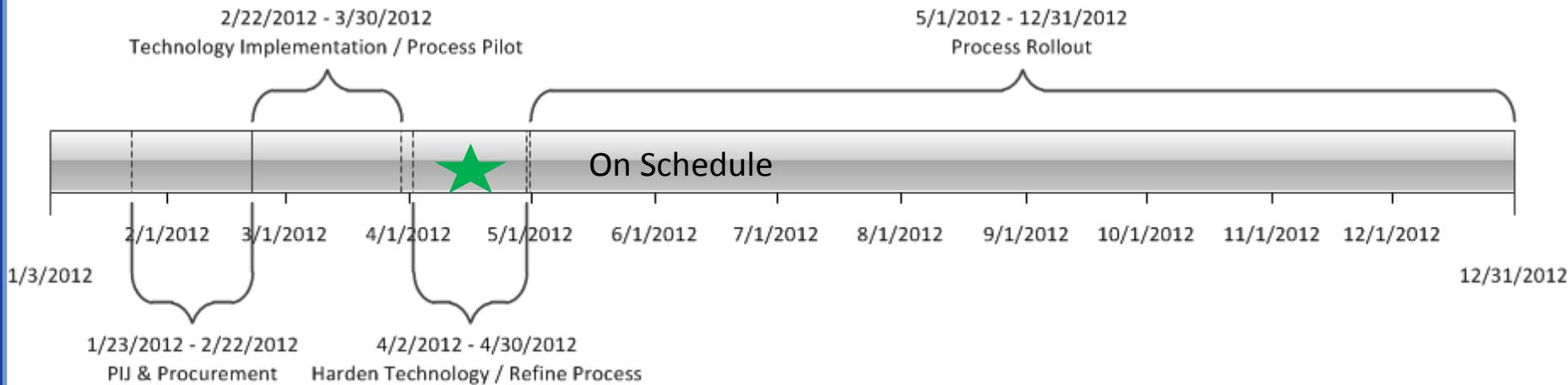
- Ensure project meets cost, schedule and performance goals
- Project management and oversight
- Support LEA process

- Perform design, configuration, implementation and support of COTS solution
- Provide “best practices” based on work in other states

Pilot Snapshot

- 8 LEAs
- 45 Day Window of Opportunity
- Status
- Lessons Learned
- Next Steps

Project and process timeline





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DEVELOPING TECHNOLOGY STANDARDS

Developing Best Practices

- Survey of other states
- Data Quality Campaign recommendations
- Meeting with ABOR and higher education reps
 - Understand impacts K-12 data standards will have



Providing “Knock your socks off service”

SLDS DASHBOARD DEMO

SLDS Dashboards

- Users view important information about schools and students throughout the state
- Provides fiscal year information on schools, student progress, AIMS scores and more

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Actions

Start Over

Mohave Coconino Navajo Apache
Yavapai Maricopa Gila
La Paz Pinal Graham
Yuma Pima Cochise

Click bar to the right to change parameters

AIMS Results

Year End Results

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BUDGET UPDATE

Green projects – no intervention

- AELAS Business Case
- IMS
- ITIL ChangeGear
- AZ-SLDS Dashboards
- SAIS Assessment
- Application Lifecycle Management
- Project Support Office
- Enterprise Architecture
- Student-Teacher Course Connection

AE LAS Budget Snapshot thru March 31, 2012

Project	Approved Budget (thru 3/16/12)	YTD Spend	YTD Remaining Budget Authorization	Forecasted Spend thru FY12	Forecasted Year End Balance (YTD Approved Budget MINUS Forecasted Spend)
AE LAS Business Case	\$826,720	\$149,166	\$677,554	\$826,720	\$0
Identity Management System/FIM	\$800,000	\$355,192	\$444,808	\$645,196	\$154,804
ITIL Tool (Change Gear)	\$110,830	\$110,852	(\$22)	\$110,852	(\$22)
AZ-SLDS Dashboards	\$417,600	\$298,410	\$119,190	\$391,137	\$26,463
ADE Financial System - Great Plains	\$685,920	\$400,918	\$285,002	\$677,295	\$8,625
SAIS Assessment	\$1,497,726	\$1,158,891	\$338,835	\$1,202,326	\$295,400
ALM	\$183,975	\$200,622	(\$16,647)	\$200,622	(\$16,647)
Program Support Office	\$727,000	\$408,770	\$318,230	\$726,457	\$543
Enterprise Architecture	\$650,000	\$65,993	\$584,007	\$650,000	\$0
SAIS RFP Requirements Gathering	\$500,000	\$0	\$500,000	\$500,000	\$0
Total	\$6,399,771	\$3,148,814	\$3,250,957	\$5,930,605	\$469,166

TOTAL AE LAS BUDGET SNAPSHOT	
AE LAS Total Authorization	\$6,600,000
Approved Budget	\$6,399,771
(AE LAS Total Authorization MINUS Forecasted Spend)	\$200,229

YTD FORECAST SNAPSHOT	
YTD Approved Budget (as of 3/16/12)	\$6,399,771
Forecast Spend	\$5,930,605
Forecast Balance (AE LAS Total Authorization MINUS Forecast Spend)	\$469,166

Future Budget Plan

- Flexibility to respond to issues in timely manner
- Contingency built into budget
- Continued monthly budget reporting
- Request: 10% contingency for entire project

Questions



Contact

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Green Projects

For review only



AELAS Business Case

Total Authorized

YTD Spend

Remaining Authorization

\$826,720

\$149,166

\$677,554

Project Overview

- Market research and feasibility study for statewide data system
- ADE leadership and key stakeholders promote program participation with outreach campaign

Objective: Involve stakeholders in proposed design for statewide data system

Key Milestones

Milestone	Target
Execute Outreach Campaign	Jan-Feb 2012
Distribute Product Survey	Jan-Feb 2012
Release Private Cloud RFI	Mar 2012
Focus Group Facilitations	Mar-May 2012
Write AELAS Business Case	Jun 2012
Release RFPs	Jun-Sep 2012

Key Accomplishments

Accomplishment	Target
Project schedule, budget, plan and charter complete	Dec 2011
Draft and execute a marketing outreach campaign, and survey.	Jan 2012
Private Cloud RFI issued by Procurement and eight responses returned by vendors.	Feb 2012 - Mar 2012
Pilot district survey complete with responses from 36 of 45 districts.	Mar 2012

Risk/Mitigation

Risk	Mitigation
AELAS Business Case team devoted to MCESA project for 7 weeks.	Leverage any overlap between programs if possible.
District participation may not be representative of entire state	Execute outreach campaign & leverage partnerships with key stakeholders.
Vendor participation	Gauge interest by issuing Requests For Information (RFI)

Identity Management/FIM

Total Authorized

YTD Spend

Remaining Authorization

\$800,000

\$ 355,192

\$ 444,808

Project Overview

- Establish and implement an identity management solution providing a single sign on as well as increased system security

Objective: Improve and simplify security with federation capability, providing users single logon capability and improved compliance with FERPA

Key Milestones

Milestone	Target
Requirements	4/5/12
Envision	5/11/12
Build	7/6/12
Stabilization	8/3/12
Deployment	8/31/12
Phase 2	10/12/12
Phase 3	11/23/12

Key Accomplishments

Accomplishment	Target
Envision phase planned to start	4/9/12
Microsoft working through the deployment phase for FIM configuration and training	

Risk/Mitigation

Risk	Mitigation
Common Logon applications require modifications to support single sign-on goal	Close Review with Clients and systems
Application challenges associated with age and unsupported, antiquated technology	

ITIL Tool – Change Gear

Total Authorized

YTD Spend

Remaining Authorization

\$110,830

\$110,852

(\$22)

Project Overview

Help Desk Ticketing Tool – Hardware

Objective: Implement industry standard tool for ADE Support that will give customers enhanced help desk support

Key Milestones

Milestone	Target
Internal Rollout for Desktop Support and Common Logon Password Resets	Apr 2012
Internal Rollout for DBA, Network Services and Operations Self-Service Portal Configuration and testing	May 2012
Internal and External Rollout for Application incidents	June 2012

Key Accomplishments

Accomplishment	Target
Project underway	Nov 2011
DEV environment up and running	Dec 2011
Software purchased	Jan 2012
Enhancements and customization effort underway	Jan 2012
Began internal rollout	Apr 2012

Risk/Mitigation

Risk	Mitigation
Behind schedule on incident management process and sub-process definitions	Mitigation plan under review

Great Plains

Total Authorized

YTD Spend

Remaining Authorization

\$685,920

\$400,918

\$285,002

Project Overview

- Tool to integrate 50+ ADE Financial Systems into 1 to improve School Payments and agency operations.
- Reduce the ADE usage of disparate databases and central financial information.

Objective: Distribute money to the schools faster

Key Milestones

Milestone	Target
Integration Testing Plan	3/30/12
User Acceptance Testing (UAT) Test Scripts complete	3/30/12
Training guides complete	3/30/12
Integration Development	Delayed
System Configuration	Delayed

Key Accomplishments

Accomplishment	Target
AFIS to GP GL Integration in Dev	3/29/12
Developed GME SSIS Package	3/27/12
Developed CNPWeb SSIS Package	3/26/12
Alignment with AFIS for data requirements	3/26/12
Validated FY11 with Accounting	3/19/12
Design Review	3/2/12

Risks

Risk	Mitigation
Post Implementation Support Plan was not included in the original contract	Change Request being drafted
Funding Profile Budgets Queries are unclear	Change Request being drafted
AFIS Transaction Log Format Change in 2010	Change Request being drafted
Encumbrance Data From AFIS Business Logic for the Budget Balance Report is unclear	Change Request being drafted
Master Extract Table from the AFIS Trx Log does not include GLAccount1 Field	Change Request being drafted

SAIS Assessment

Total Authorized

YTD Spend

Remaining Authorization

\$1,497,726

\$1,158,891

\$ 338,835

Project Overview

Student Accountability Information System “re-engineering” and optimizing system performance

Objective: ‘Map the mess’ to identify core functions and processes and understand what SAIS needs to be and how it has to work

Key Milestones

Milestone	Target
SAIS Assessment Completion and Close Out	Apr 2012

Key Accomplishments

Accomplishment	Target
Detailed assessment for Integrity and proof of concept	Nov 2011
Transactions assessment	Jan 2012
Aggregations assessment	Jan 2012
Payments assessment	Apr 2012

Risks/Mitigation

Risk	Mitigation
Complex technical manual and applications processes	Review with clients
Existing systems are prone to human/manual error and inability to separate one 'Module' from the rest of the system in a meaningful way	Detailed review process developed
Turn over in subject matter experts	Review with clients

Project Overview

- Create and implement a vendor management framework for IT program.
- Develop and implement communications plan for various strategic and ongoing programs.

Objective: Bring professional management and oversight to IT programs

Key Milestones

Milestone	Target
Implement strategic and project controls policy	Apr/May 2012
Implement communications plans for AELAS projects	Apr/May 2012
Implement project administration policies, processes and procedures.	Apr/May 2012

Key Accomplishments

Accomplishment	Target
Developed strategic and project controls policy and procedure documentation	Mar/Apr 2012
Implemented Student-Teacher Connection, PARRC, AELAS Business Case, IDEAL, Great Plains, ADE/MCESA Partnership communication plans	Mar/Apr 2012
Created project policy/procedures documentation	Mar/Apr 2012

Risk/Mitigation

Risk	Mitigation
Manual processes make identifying single source of financial truth difficult.	Develop single repository for financial documents.

Enterprise Architecture

Total Authorized

YTD Spend

Remaining Authorization

\$650,000

\$65,993

\$584,007

Project Overview

- Overall improved IT landscape guided by governance, roadmaps, SLAs, and documentation
- Align ADE Business and IT units for planning and execution
- Completion of project in Oct 2012

Objective: Create IT process and policy roadmap to increase efficiency and effectiveness

Key Milestones

Milestone	Target
Formal EA Kickoff with Executive team	3/2012
Process mapping kickoff with School Finance business unit	4/2012
CEDs Alignment Approach for ADE	4/2012
School Finance Business Process Maps version 1	5/2012

Key Accomplishments

Accomplishment	Target
Training and pilot roll-out of EA tool	3/2012
Preliminary Data Redundancy Analysis completed	3/2012

Risk/Mitigation

Risk	Mitigation
Lack of support for business process mapping and data analysis due to delayed kickoff with executive team.	Working to get on next monthly meeting. Meetings with Directors directly to engage teams.

Student-Teacher Connection

Project Overview

- Defining the AZ Standard Course Codes
- Mapping LEAs, CHs and CSs to the AZ Standard Course Codes

Objective: Establish link between students, teachers and courses

Combined Course Mapping and Student Teacher Data Link

Key Milestones

Milestone	Target
Needs Assessment Survey	04/13/2012
Course Mapping Pilot Completion	04/30/2012
Training Material Development	04/30/2012
Define Statewide Rollout Plan	04/30/2012
Kick-Off Statewide Rollout	05/01/2012
SRM Technical Environment	05/11/2012
SRM Pilot Completion	06/29/2012

Key Accomplishments

Accomplishment	Target
Training Survey Distribution & Feedback	03/30/2012
AZ Course Catalog Approach	03/29/2012
Pilot Plan Distribution	03/22/2012
SRM Architecture Review	03/28/2012
Project and Pilot Kick-Off	03/13/2012

Risks

Risk (High Probability)	Mitigation
LEA availability for training over the summer months and the early part of the school year will be limited.	The project team will accommodate LEA schedules as well as provide recorded training sessions and other materials.
IT HW Requirements do not align with the PIJ	ADE & ESP Meeting on 03/28/2012. Sizing and impact will follow.