

ASSOCIATE SUPERINTENDENT APPROVAL _____

STATE BOARD MEETING DATE 01/28/2013

SUBJECT: AELAS: ADE Data Systems Modernization Status Update

SUBMITTED BY: Mark Masterson, CIO/Pamela Smith, Executive Director of Strategic Programs

MANAGEMENT TEAM REVIEW: 01/10/2013

STATUS UPDATE

ADE IT prepared a quarterly progress report the second quarter of FY 2013. The report was delivered as prescribed with a progress report from independent, third party that is not affiliated with state government (industry member of the Arizona Ready IT Work Group). The report is included with this memo.

Project status updates

Outline path to begin execution of long-term, cost-effective statewide data system

Final market and technical research of vendor products, web-based product research and peer research work was completed on the ***AELAS Business Case***, and the executive summary was delivered to the Data Governance Commission for review and comment. The AELAS Business Case includes summaries on the efforts of other states currently updating their data systems. These site visits identified essential components needed in the new data system:

- While SAIS has improved, it still requires significant resources and there is a need to eliminate redundant data collection.
- There is strong interest in enabling historical data to follow students immediately and combining data from multiple sources in dashboards and other analytic tools.

The AELAS Business case also includes a rigorous analysis of the way in which SAIS data is used and collected. Through this exercise, it was discovered that while the SAIS system itself is the source of customer interface difficulties with the ADE, the culture that exists related to the collection and sharing of data must also be addressed if AELAS is going to create meaningful change. The executive summary is attached to this memorandum.

Begin to ensure accurate student payments

The ***SAIS Replacement*** team continues its progress towards final design approach as a result of management input and feedback. The team's standards on how to build, test, deploy and manage development will be used in all future applications to ensure a consistent, quality outcome. Work continues on standards and documentation for IT development processes to avoid repeating SAIS "mess" in new design, and the team completed integrating statutes updates from last legislative session into new design documents.

Create reliable, integrated technology services

At the direction of the Data Governance Commission, the ***Identity Management Solution*** team is finalizing testing of the approved federated identity access approach. Work is near complete for the initial release set for January 2013.

ADE contracted with Nancy Smith, cofounder of the Data Quality Campaign, to conduct a data governance needs assessment in October. Her recommendations were presented to the Data Governance Commission as its December 21, 2012 meeting. ADE has implemented the first recommendation of appointing a Data Officer and is working on an implementation plan for the remaining nine recommendations. This assessment will help ADE build the necessary framework needed to sustain the new data system in the future and prevent development of another obsolete system like the current one.

Provide LEAs access to full picture view of ADE student data

LEAs representing 90 percent of the state’s student population have begun the ***Student-Teacher-Course Connection (STC)*** process. There are now 265 LEAs that have submitted final, certified files. This exceeded the team’s 40th day goal of 179 certified files. ADE is now receiving data from LEAs serviced by Edupoint, a Student Information System vendor representing more than 40 percent of students statewide. It is anticipated that the number of certified submissions will increase now that schools using this vendor are able to submit their data to ADE.

The ***SLDS/AzED³S*** team successfully launched the Senita Elementary School (Vail Unified School District) dashboard pilot in November. With just a few clicks, this project provides teachers access important test scores and attendance information for incoming students in a user-friendly visual. ADE IT also held focus groups with elementary and middle schools, and the team met with Kingman Unified School District to discuss a pilot initiative. Work has also started on incorporating certified STC data into teacher dashboards. An alternate version has been developed with masked data so it can be shown to other LEAs and interested parties.

Data Governance Commission: Pursuant to Arizona Revised Status A.R.S. § 15-249.01, the purpose of the commission is to (1) identify, examine, and evaluate the needs of public institutions who provide instruction to pupils in preschool, kindergarten, grades one through twelve and postsecondary programs in Arizona; (2) provide recommendations on technology spending; and (3) provide analyses and recommendations.

Status Update

At the December 21, 2012 Data Governance Commission meeting, ADE IT presented the final AELAS business case and requested approval to distribute the findings. An agency wide data governance assessment was completed, and the recommendations were presented to the Commission. The initial recommendation of appointing a Data Officer has been completed as work on developing an implementation plan for the other recommendations continues. The Commission was also presented technical guidelines for technology purchases to support Arizona Common Core Standards and PARCC. The Commission did not take action on these guidelines and requested ADE IT to ensure Agency guidelines mirrored those found in Version 2 developed by PARCC.

Additionally, ADE IT made the following requests of the Data Governance Commission:

• SAIS Phase I Replacement	\$ 250,000
• Improve internal ADE programs	\$ 500,000
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TOTAL	\$ 750,000

BOARD ACTION REQUESTED: [] INFORMATION [X] ACTION/DESCRIBED BELOW:

Approve Budget:

• SAIS Phase I Replacement	\$ 250,000
• Improve internal ADE programs	\$ 500,000
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TOTAL	\$ 750,000

ATTACHMENTS: YES [X] NO []
PowerPoint presentation
AELAS Business Case Abstract
ADE IT Quarterly Report Submission