



Performance Note
SB0112 - Public Education
Information Systems Uniformity
Act
Sponsor: Sen. Anderegg, Jacob L.



Performance Note Report

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Agency: State Board of Education

Funding For:

New Services or Benefit

Public Benefit:

Purpose: The USIMS application will subsume legacy data collections, reporting applications, and reports in use at the Utah State Board of Education (USBE). This will result in the modernization of USBE data collection and reporting capabilities, and the subsumption of legacy applications/capabilities such as the UTREx, CACTUS, SSID, UPASS, Data Gateway, and UPEFS to name a few.

Services: The USIMS application will incorporate data collections and reporting requirements for all existing Federal, State and local regulations, and USBE Board rules. In addition, USIMS will include the creation of a public-facing user web portal, oriented toward the USBE, Local Education Agencies (LEAs), Educators, Parents, and Students. Funding will be used for USIMS application requirements gathering, system architecture design, computer and network implementation, development of a continuity of operations plan capability implementation, transactional database and data warehouse development, application programming interface (API) development, web user interface (UI) design and development, business intelligence (BI) capability integration and initial reports creation, comprehensive program test, application documentation, and onboarding and training

Expected Outcome: 1) Development of new statewide data collections, and reporting capability for Utah Schools. 2) Centralization of USBE data collections and reporting for all existing Federal, State and local regulations, and USBE Board rules. 3) Modernization of USBE data collection and reporting capabilities. 4) Subsumption of legacy applications/capabilities such as the UTREx, CACTUS, SSID, UPASS, Data Gateway, and UPEFS to name a few.

Implementations and Resources: The bill will be implemented by assist and advisory contractor resources and with one-time hardware funds.

How: The USIMS acquisition cost estimates without hardware or additional architecture total roughly \$17.2 million. Hardware is estimated at \$5 million for the USIMS infrastructure to include new servers, switches, network and support infrastructure bringing the total cost of the project to roughly \$22.9 million. The project will run over a period of 3.5 years and will be completed over 13 activities. USBE IT will use a blend of in-house and contracted staff to complete the USIMS project. Augmented IT staff will be utilized to retain systemic institutional knowledge application history, and to ensure positive USIMS project sustainment hand off. Public will benefit through implementation of a modernized and centralized USBE data collection and reporting capability that provides the public, educators,

and counselors access to accurate and timely data to improve student performance, administrators' access to seamless data to effectively and efficiently manage educators and school resources, and policymakers' access to quality data to evaluate student achievement success of implemented initiatives.

Performance Measures

Goal

Title: Requirements and system design.

Description: Within the first nine months coordinate with stakeholders to gather specific stakeholders' requirements and needs for future state and existing systems capability subsumption/integration. Gather enough requirements to start systems architectural design. Design iterative system testing strategy for stakeholders.

Collection Method: Implement a team of experts in which majority of members have the relevant domain knowledge; List the stakeholders and their role in the project; Clearly express the data collection procedures; Make a prototype of the system design and development measurement process; Prepare list of requirements for the system; Setup a discussion forum/space for the requirements team; Reconcile the quality requirements list for future validation of the same; Perform a cost-benefit analysis of all the requirements; Organize a meeting with the stakeholders for further verification and refinement of the process; Keep track requirements changes.

	2019	2020	2021
Target	0.00	0.00	0.00
Baseline	0.00	0.00	0.00

Goal

Title: Development initiation.

Description: Within twenty-one months implement a systems architectural design and system development infrastructure. Begin work on database and data warehouse capability to meet systems architectural design needs. Incorporate iterative system testing strategy for stakeholders.

Collection Method: Measure system engineering objectives with established system design and development measurement process. Monitor development goals and progress. Ensure development objectives are implemented as per scheduled and/or addressed early to ensure any schedule slippages are mitigated.

	2019	2020	2021
Target	0.00	0.00	0.00
Baseline	0.00	0.00	0.00

Goal

Title: Achieve initial operating condition

Description: Within 36 months complete user interface development/customer relationship management integration, application interface development, business intelligence integration, and database and data warehouse development. Commence a comprehensive system test phase with select stakeholders. Fully demonstrate ability for successful stakeholder data submissions and user interface interaction, operation, and satisfaction.

Collection Method: Perform a comprehensive requirement review. Ensure all stakeholder requirements objectives have been met. Perform system interface and operations tests. Measure collected interface and operations information to expected/anticipated data collections and inputs. Reconcile any expected/anticipated data collections issues. Perform customer satisfaction surveys.

	2019	2020	2021
Target	0.00	0.00	0.00
Baseline	0.00	0.00	0.00

By rule, performance notes are provided by the governmental entity that will supervise the new agency or administer the new program. Performance notes are not written by the Office of the Legislative Fiscal Analyst.