

Project Change Request (Amendment) AELAS ED15004 Student Data Store (AzEDS)

Date Submitted:	5/15/2017	Prepared by:	Ed Block / Mike Roll
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Affected Areas: (Check all that apply)	Project End Date: ----	Development Costs: <input checked="" type="checkbox"/>	Project Scope: <input checked="" type="checkbox"/>
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Currently Recorded Dates/Costs				Requested Revisions To Dates/Costs			
Start Date	End Date	Development Cost	Total Cost	Start Date	End Date	Development Cost	Total Cost
07/01/15	06/30/18	\$ 5,103,377	\$ 5,103,377	07/01/15	06/30/18	\$ 6,603,377	\$ 6,603,377

Change Description (Please include justification, risk, dependencies/constraints relevant to the changes)

Add \$1,500,000 to budget for FY18 activities as below:

4 main deliverables for FY 2018 in AzEDS for a total of \$1.5M

1. Single Source Agency Data and Decommission Legacy via AzEDS ODS (Operational Data Store) (\$700k)

- Enable Decommissioning of Legacy Platforms Enterprise & SAIS to reduce redundancy, quality risks and cost of maintaining two systems (Old + New) in parallel
 - >Build Additional 3-5 Data Marts for Specific Agency Departments (5 Complete), so Program Area Applications can Migrate
 - >Migrate 30 Legacy based Systems to consume Enterprise and Student Data via AzEDS Operational Data Store.
 - >Enhance ED-ORG ODS Domain to enable the shutdown of Legacy Enterprise.
- Buildout Ed-facts Reporting using new ODS (180 Reports), single source for all Federal and State Reporting
- Extend AzEDS Operational Data Store to increase ability to be single source of data for all Agency Data needs that cross Multiple Program Areas
 - >Build New School Finance Domain
 - >Build New Average Daily Membership (ADM) Domain
 - >Extend Staff (Domain) (Teacher Data)
- Build 5 Dimensional Data Cubes for Analytics Reporting

2. AzEDS LEA vendor Calendar via the AzEDS API (Application Program Interface) (\$300k)

- Integrity Rule Development
- Calendar Report Development
- Workflow approval development

3. Financial Transparency, ESSA Requirement via a NEW AzEDS LEA Finance/Teacher API (\$200k)

- > Requirements, Design & Prototype Only
- Develop and get approval for high level scope and business needs to support financial transparency data gathering and reporting, a requirement of ESSA
- Based on Scope, estimate development and on-going maintenance timeline and costs to support requirements and get approval to proceed
- Complete initial set of requirements and prototype a solution

4. Self Servicing LEA User Interface and Agency Approval Workflow for Organizational Entity Management System (OEMS) (\$300k)

- Develop a front end self servicing interface for LEAs to update entity organization and contact information
- The new functionality supports the ability to turn off legacy Enterprise
- Ability for ADE to approve and lock down the changes submitted by LEAs

Submitted by	Chief Information Officer (or delegated approver)
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Ed Block	Satish Pattisapu
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(For ASET Use Only)

Recommended by:	Jeffrey Crane	Recommended Date:	5/19/2017
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Comments:

This project budgetary amendment will allow ADE to continue with development of and implementation/modifications to the Operational Data Store (ODS), Organizational Entity Management System (OEMS), and newly legislated requirements related to financial transparency, and other related project elements. The newly appropriated FY18 APF monies will fund the project going forward through end of FY18. Any unspent FY17 monies have been authorized by the legislature for use by ADE through FY18. The new scope being proposed with this amendment encompasses item #3 above related to financial transparency. ADE will continue with other project tasks mentioned. The attached Budget and Milestones information was submitted by ADE along with this change request/amendment. This project is currently progressing on schedule as reported by ADE.

This amendment is recommended to ITAC for review and approval with the following condition:

1. Prior to expenditure of additional funding beyond the new FY2018 APF allocation, the Arizona Department of Education (ADE) must identify a funding source, amend the PIJ to reflect costs required to complete existing or added project scope, and submit the information to ADOA-ASET and ITAC for review and approval.

Summary of Amended PIJ Financials

Total of Amended Development Cost:	\$ 1,500,000
Total of Amended Operational Cost:	\$ -
Total Amended Costs:	\$ 1,500,000

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Project Cost - Itemized

Item	Description	Category	Development (Implementation) or Operational (Ongoing)	Fiscal Year Spend	Qty or Hours	Unit Cost	Extended Cost	Enter Tax Rate if Applicable (Generally 8.6% for PHX)	Tax	Total Cost
1	Single source agency data & decommissioning of legacy applications	Prof & Outside Services	Development	3	8750	\$80	\$700,000	0.00%	\$0	\$700,000
2	AzEDS LEA Vendor Calendar API	Prof & Outside Services	Development	3	3750	\$80	\$300,000	0.00%	\$0	\$300,000
3	LEA Finance/Teacher API	Prof & Outside Services	Development	3	2500	\$80	\$200,000	0.00%	\$0	\$200,000
4	LEA User Interface and Agency Approval Workflow through Organizational Entity Management Systems	Prof & Outside Services	Development	3	3750	\$80	\$300,000	0.00%	\$0	\$300,000
5		[-Select-]	[-Select-]	[-Select-]						
6		[-Select-]	[-Select-]	[-Select-]						
7		[-Select-]	[-Select-]	[-Select-]						
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12		[-Select-]	[-Select-]	[-Select-]						
13		[-Select-]	[-Select-]	[-Select-]						
14		[-Select-]	[-Select-]	[-Select-]						
15		[-Select-]	[-Select-]	[-Select-]						
16		[-Select-]	[-Select-]	[-Select-]						
17		[-Select-]	[-Select-]	[-Select-]						
									Total Development Cost	\$1,500,000
									Total Operational Cost	\$0
									Total Itemization of Costs:	\$1,500,000

Summary of Funding Sources			
Fund Type	% of Project	\$ of Project (Available)	\$ of Project (To Be Requested)
Base Budget			
APF	100.00%	\$1,500,000.00	
Other Appropriated			
Federal			
Other Non-Appropriated			

Total costs available to distribute between funding sources
\$0.00

PIJ Development & Operational Cost Summary

Description	Type	Year 1	Year 2	Year 3	Year 4	Year 5	Extended Cost
Professional & Outside Services	Development	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000
	Operational	\$0	\$0	\$0	\$0	\$0	\$0
Hardware	Development	\$0	\$0	\$0	\$0	\$0	\$0
	Operational	\$0	\$0	\$0	\$0	\$0	\$0
Software	Development	\$0	\$0	\$0	\$0	\$0	\$0
	Operational	\$0	\$0	\$0	\$0	\$0	\$0
Communications	Development	\$0	\$0	\$0	\$0	\$0	\$0
	Operational	\$0	\$0	\$0	\$0	\$0	\$0
Facilities	Development	\$0	\$0	\$0	\$0	\$0	\$0
	Operational	\$0	\$0	\$0	\$0	\$0	\$0
Licensing & Maintenance Fees	Development	\$0	\$0	\$0	\$0	\$0	\$0
	Operational	\$0	\$0	\$0	\$0	\$0	\$0
Other	Development	\$0	\$0	\$0	\$0	\$0	\$0
	Operational	\$0	\$0	\$0	\$0	\$0	\$0
Development Cost:		\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000
Operational Cost:		\$0	\$0	\$0	\$0	\$0	\$0
Total Cost:							\$1,500,000

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Project Milestones/Deliverables

Major Milestones/Deliverables	Estimated Start Date	Estimated Finish Date
Build out additional Datamarts needed (approx 5)	07/01/17	06/30/18
Migrate 30 applications to use Entity and Student data from ODS	07/01/17	06/30/18
Enhance EdOrg domain to encompass data needed to decommission Enterprise Entity Management	07/01/17	06/30/18
Buildout EdFACTs reporting using ODS as single source for all Federal and State Reporting (180 reports)	07/01/17	06/30/18
Extend AzEDS Operational Data Store to house data for all multi-program area uses - New School Finance Domain	07/01/17	06/30/18
Extend AzEDS Operational Data Store to house data for all multi-program area uses New Average Daily Membership Domain	07/01/17	06/30/18
Extend AzEDS Operational Data Store to house data for all multi-program area uses Enhance Staff Domain	07/01/17	06/30/18
Build 5 Dimensional Data Cubes for Analytics and Reporting	07/01/17	06/30/18