



ADOA - ASET

Arizona Strategic Enterprise Technology

Project Investment Justification

Version 01.01

A Statewide Standard Document for Information Technology Projects

Project Title:

AHCCCS Infrastructure Enhancement 2014

Agency Name:	AHCCCS
Date:	4/15/2014
Agency Contact Name:	Joanne Obenour
Agency Contact Phone:	
Agency Contact Email:	

[Hover for Instructions](#)

I. Management Summary*

AHCCCS proposes to enhance its infrastructure to support the expansion of the Medicaid program.

II. Project Investment Justification (PIJ) Type*

Yes No Is this document being provided for a Pre-PIJ / Assessment phase?

If Yes,

Identify any cost to be incurred during the Assessment phase.	\$
Based on research done to date, provide a high-level estimate or range of development costs anticipated for the full PIJ.	\$

Explain:

[Click here to enter text.](#)

Yes No Will a Request for Proposal (RFP) be issued as part of the Pre-PIJ or PIJ?

III. Business Case

A. **Business Problem***

With the implementation of ACA and the expansion of Medicaid in Arizona, the AHCCCS program is growing in members and in business operations, and the need for network capacity will soon be exceeded and performance diminished.

B. **Proposed Business Solution***

AHCCCS proposes to enhance its infrastructure as follows:

- Utilize a disk solution to enable backups to be performed timely to improve backup window
- Allow for continued growth in the virtual server farm
- Replace old servers used for ACE and Oracle Financials (once these systems are retired, re-purpose the servers to expand the virtual server farm)
- Allow for proper equipping of new hires and replacement of failed equipment
- Automation and consistency in deploying and maintaining server patches

C. **Quantified Benefits***

- | | |
|-------------------------------------|---------------------|
| <input checked="" type="checkbox"/> | Service enhancement |
| <input type="checkbox"/> | Increased revenue |
| <input type="checkbox"/> | Cost reduction |
| <input checked="" type="checkbox"/> | Problem avoidance |
| <input type="checkbox"/> | Risk avoidance |

Explain:

The proposed enhancements will improve system performance and capacity, and help staff be more efficient while continuing to operate the growing the program. Specifically, the data backup solution benefits include:

- Retain longer – keeps backup on site longer with less disk, eliminates use of tape for recovery
- Replicate smarter – move only Dc duplicated data over the network – up to 99% bandwidth efficiency – lower WAN costs
- Recovery Reliability – continuous fault detection and self-healing ensure higher SLA standards
 - End to end data verification – prevents corrupt data
 - Self-healing file system – protective process ensure accurate restore data
 - Raid 6 – provides double disk failure protection
 - Snapshots provide point-in-time recoverability

IV. Technology Approach

A. Proposed Technology Solution*

Implement the following:

- Disk Data Backup Solution – Data Domain DD4200 (2) each with 60 TB
- Additional Virtual Host Servers
- Replace Oracle Servers
- Replenish Equipment Stock (PCs)
- Patching Tool

B. Technology Environment

The new Oracle servers will replace the existing end of life servers.

The remaining items are new additions to the existing infrastructure.

- The new backup solution enables an immediate efficient disk to disk transfer to off-load the data from the production environment for a more gradual (outside the critical path) disk to tape transfer which minimizes the interruption of production performance.

C. Selection Process

Goal was to enable growth, add flexibility, and improve performance. Approach was to grow the network in a consistent manner with technology compatible to our existing infrastructure that could be re-purposed as needed throughout its lifecycle.

V. Project Approach

A. Project Schedule*

Project Start Date: 4/1/2014 **Project End Date:** 9/30/2014

B. Project Milestones

Major Milestones	Start Date	Finish Date
Acquisition	4/1/2014	5/1/2014
Installation for Testing	5/1/2014	6/1/2014
Component Testing	5/1/2014	6/1/2014
System Testing	5/1/2014	6/1/2014
Implementation	6/1/2014	6/30/2014

Post Implementation Support	7/1/2014	9/30/2014
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VI. Roles and Responsibilities

A. *Project Roles and Responsibilities*

Network Services Team will work together to implement these products.

B. *Project Manager Certification*

- Project Management Professional (PMP) Certified
- State of Arizona Certified
- Project Management Certification not required

C. *Full-Time Employee (FTE) Project Hours*

Total Full-Time Employee Hours	1000
Total Full-Time Employee Cost	\$50,000

VII. Risk Matrix, Areas of Impact, Itemized List, PIJ Financials

VIII. Project Approvals

A. Agency CIO Review*

Key Management Information	Yes	No
1. Is this project for a mission-critical application system?	X	
2. Is this project referenced in your agency's Strategic IT Plan?	X	
3. Is this project in compliance with all agency and State standards and policies for network, security, platform, software/application, and/or data/information as defined in http://aset.azdoa.gov/security/policies-standards-and-procedures , and applicable to this project? If NO , explain in detail in the "XI. Additional Information" section below.	X	
4. Will this project transmit, store, or process sensitive, confidential or Personally Identifiable Information (PII) data? If YES , in the "XI. Additional Information" section below, describe what security controls are being put in place to protect the data.	X	
5. Is this project in compliance with the Arizona Revised Statutes (A.R.S.) and GRRC rules?	X	
6. Is this project in compliance with the statewide policy regarding the accessibility to equipment and information technology for citizens with disabilities?	X	

B. Project Values*

The following table should be populated with summary information from other sections of the PIJ.

Description	Section	Number or Cost
Assessment Cost (if applicable for Pre-PIJ)	II. PIJ Type - Pre-PIJ Assessment Cost	\$
Total Development Cost	VII. PIJ Financials tab	\$817,063.10
Total Project Cost	VII. PIJ Financials tab	\$817,063.10
FTE Hours	VI. Roles and Responsibilities	1000

C. Agency Approvals*

Contact	Printed Name	Signature	Email and Phone
Project Manager:	Mike Upchurch		
Agency Information Security Officer:	Jim Wang		
Agency CIO:	Jim Wang		
Project Sponsor:	Jim Wang		
Agency Director:	Tom Betlach		

IX. Optional Attachments

A. *Vendor Quotes*

X. Glossary

XI. Additional Information

Links:

[ADOA-ASET Website](#)

[ADOA-ASET Project Investment Justification Information Templates and Contacts](#)

Email Addresses:

[Strategic Oversight](#)

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