Project Investment Justification

Version 01.01

A Statewide Standard Document for Information Technology Projects

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Project Title:

Network Security Updates

Agency Name:	*Arizona Department of Health*
Date:	November 24, 2014
Agency Contact Name:	Raghu Ramaswamy
Agency Contact Phone:	
Agency Contact Email:	

Hover for Instructions

I.   Management Summary*

ADHS needs to protect its network against the ever-increasing threats to its systems and data from a wide range of internal and external sources. The current solution and architecture is reaching end-of-life and no longer utilizes best practices.

ADHS has used results of the ADOA-ASET PIJ Titled "Data Center Network Managing and Monitoring" dated October 22, 2013 as the recommended technical solution. This is a strategic alignment with ADOA-ASET and other state agencies.

II.   Project Investment Justification (PIJ) Type*

| | **Yes** | X | **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:

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

III.   Business Case

A.   Business Problem*

While assessment data collected in FY13 identified security vulnerabilities in a subset of State systems and web applications, additional information is needed regarding the firewall capabilities currently in place across the State. Firewall technologies, which are used to restrict or prevent potentially malicious network traffic, have continued to evolve. However, information regarding where and how these are being used is lacking. In order to assess and address potentially critical gaps in firewall protections, ADOA-ASET identified and partnered with State agencies with similar security needs that:

- Lack this technology, thereby exposing the Agency and interconnected State systems to potential risks
- Require more current or advanced technology capable of providing more secure protections
- Have implemented firewall solutions with high maintenance costs and sustainability issues
- Require life cycle replacement to avoid product malfunctions

B.   Proposed Business Solution*

In alignment with ADOA-ASET's strategic goals, this project will implement currently available firewall technologies that can further protect the ADHS from external threats to its systems and data. Implementation of comprehensive and up-to-date firewall security devices and software

will provide ADHS with additional protective barriers against malicious internet traffic and unauthorized access.

Key efforts of this project will include procurement, installation, migration, training, and implementation for production, test, and disaster recovery (DR) sites.

C. Quantified Benefits*

X	Service enhancement
	Increased revenue
X	Cost reduction
X	Problem avoidance
X	Risk avoidance

Explain:

This project will enhance services, reduce costs, avoid problems and mitigate risks by:

- Adding firewall technology that is not currently in place
- Reducing future maintenance, support, and life cycle replacement costs
- Implementing advanced cyber-attack detection and prevention capabilities offered by next-generation firewall technologies

IV. Technology Approach

A. Proposed Technology Solution*

ADHS is using an ADOA-ASET selected vendor capable of providing a comprehensive suite of leading edge firewall technologies that can meet the wide-ranging security needs across the State. These technologies provide active monitoring and filtering capabilities that can restrict internet traffic based on content at the application layer.

Costs in this PIJ reflect the acquisition of firewall hardware devices, also known as "appliances," as well as licensing for the selected vendor's software suite, implementation, maintenance and support.

B. Technology Environment

Although firewall technologies exist within the ADHS environment, these need to be replaced with next-generation firewall technologies to provide appropriate levels of security control. The selected firewall technologies will need to be integrated into the established data center environment.

C. Selection Process

ADHS selected the State's Chief Information Security Officer (CISO) recommended vendor's solution.

V.   Project Approach

A.   *Project Schedule**

Project Start Date: 11/24/14   **Project End Date**: 6/26/15

B.   *Project Milestones*

Major Milestones	Start Date	Finish Date
Procurement of proposed solution	11/24/14	12/31/14
Installation of Test, Production, and DR site appliances	1/06/15	2/07/15
Configuration of NGFW functionality	2/10/15	3/07/14
Migration to New solution	3/10/14	3/28/14
Finalize configuration and migration	3/30/14	6/26/14

VI.   Roles and Responsibilities

A.   *Project Roles and Responsibilities*

1.0 Project Sponsor Information Technology Executive – Paula Mattingly, Assistant Director / Chief Information Officer - This position will be accountable to place the necessary Information Technology at the Enterprise level and to meet the goals within the budget and timeline. Specific responsibilities will include (but not be limited to):

Project champion, provides direction and support to ITS team

- Implement necessary Infrastructure and meet the immediate business needs
- Monitoring business value
- Management of IT staff or other resources and support to the team
- Sets the priority of the project

2.0 Project Manager – John Stark, Information Security Manager - This position will provide leadership and overall project management and efforts described in this document and for the future technology needs of the Department.

3.0 Project Security Support - Steve Newton - This position will provide technical analysis, software configuration, testing and deployment support.

- Coordinate implementation of appliance
- Implement and test policies for confidential information

4.0 Network Support Engineer – Eric Hill - This position will provide technical analysis, software configuration, testing, and deployment support.

B.   *Project Manager Certification*

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

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

Total Full-Time Employee Hours	250
Total Full-Time Employee Cost	$12,500

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	$212,703
Total Project Cost	VII. PIJ Financials tab	$650,503
FTE Hours	VI. Roles and Responsibilities	250

C. Full-Time Employee (FTE) Project Hours

Total Full-Time Employee Hours	250
Total Full-Time Employee Cost	$ 12,500

D. Agency Approvals*

Contact	Printed Name	Signature	Email and Phone
Agency Information Security Manager:	John Stark		
Agency CIO: Project Sponsor:	Paula Mattingly		
Agency CFO:	Jim Humble		
Deputy Director of Planning and Operations:	Janet Mullen		

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

ADOA-ASET_Webmaster@azdoa.gov