



# ADOA-ASET

## Project Investment Justification

Version 03.31.15

A Statewide Standard Document for Information Technology Projects

### Project Title:

ASPC-Douglas Repeater Purchase

Agency Name:	Arizona Department of Corrections
Date:	5/1/2015
Agency Contact Name:	Julie Augeri
Agency Contact Phone:	
Agency Contact Email:	

[Hover for Instructions](#)

**I. 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.	

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

**II. Business Case**

**A. Business Problem\***

The integrity of public safety communications is pre-eminent at state facilities where inmate management is conducted via portable radio systems. Construction of the inmate housing units and geographic factors result in elongated transmission distances from the front administrative offices of a unit to the back side of the yard where inmates recreate. There are also internal activities, such as dining facilities, inmate programming, and medical clinics which necessitate continuous staff radio communication. Without radio repeater capability, Douglas radio transmissions fall short of full signal transmission at three of the units. Testing with loaner repeater equipment has validated the need for a permanent technological solution.

**B. Proposed Business Solution\***

The Douglas complex administration proposes to license, purchase and permanently emplace three radio repeaters and corresponding omnidirectional antennae into the unit infrastructure to eliminate areas where the current radio signal is weak or may be dropped.

**C. Quantified Benefits\***

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

Explain:

Emplacement of the repeaters will elongate transmission distances, thereby ensuring full signal coverage and continuity of communications across the yard. This will, in turn, enhance the security posture of staff interacting with inmates on a daily basis.

### III. Technology Approach

#### A. *Proposed Technology Solution\**

The Arizona State Prison Complex at Douglas is proposing to purchase, program with standard frequencies and integrate three GTR 8000 Motorola base radio station repeaters into the agency's existing public safety radio system. The temporary licenses, issued during the testing period, will be converted into permanent licenses. Three pre-tuned omni directional antennae, one for each repeater, will also be purchased and installed by agency staff.

#### B. *Existing Technology Environment*

The Arizona Department of Corrections hosts an existing statewide public safety radio network, operating in the Very High Frequency radio spectrum. The network is comprised primarily, but not exclusively, of Motorola technology. The purchased repeaters will be compatible and fully integrated into that system.

#### C. *Selection Process*

The state has an existing contract in place for public safety communications equipment. The equipment is being selected from items off of the existing contract which meet the repeater and antenna requirements. The equipment equals that purchased and used in the post-Narrow Band transition period and will operate within the guidelines of the Federal Communications Commission.

### IV. Project Approach

#### A. *Project Schedule\**

**Project Start Date:** 5/1/2015      **Project End Date:** 6/30/2015

#### B. *Project Milestones*

Major Milestones	Start Date	Finish Date
Complete PIJ	5/1/2015	5/11/2015
Secure PIJ Approval	5/12/2015	5/15/2015
Complete Purchase Order	5/18/2015	5/20/2015
Apply for Permanent Licenses	5/18/2015	7/2/2015
Receive and program equipment	6/29/2015	7/2/2015
Install equipment on site at three unit locations	7/7/2015	7/7/2015

### **C. *Project Roles and Responsibilities***

Project Sponsor, Meegan Muse, Resolve conflict and interface issues escalated by the project manager, Communicate project status to agency executives on a scheduled basis, Communicate project closure and results to agency executives, Ensure complex compliance with scheduling/logistics deployment requirements

Project Manager, Julie Augeri, Apply Departmental project management methodology and enforce project standards, Facilitate project team and stakeholder meetings, Oversee project work plans and makes revisions as necessary, Ensure project deliverables meet cost and schedule baselines, Ensure tasks are delivered on time and within budget, Ensure equipment and communications installations meet prescribed specification, Ensure resources are available and are able to meet assigned project deliverables, Communicate project status to stakeholders on a scheduled basis, Communicate project closure and results to stakeholders

Project Needs Assessment/Schedule Coordinator, Matt Williams and Brad Rogers, Conduct complex needs assessment vice daily staffing/resource operational requirements; Deployment Schedule Development and Tracking Project Documentation; Oversee Equipment Installation

Engineering Analysis, Vic Rober, Secure FCC Licenses, Provide technical advice on equipment specifications, Ensure communication links and site equipment meet prescribed specification, Resolve and/or communicate technical issues in a timely manner, Ensure technical tasks meet the Department's project schedule baseline

### **V. Risk Matrix, Areas of Impact, Itemized List, PIJ Financials**

## VI. Project Approvals

### A. Agency CIO/ISO Review and Initials Required\*

Key Management Information	Yes	No	Initials
1. Is this project for a mission-critical application system?		X	
2. Is this project referenced in your agency's Strategic IT Plan? Peripherally	X		
3. Have you reviewed and is this project in compliance with all applicable Statewide policies and standards for network, security, platform, software/application, and/or data/information located at <a href="https://aset.az.gov/resources/psp">https://aset.az.gov/resources/psp</a> ? If <b>NO</b> , explain in detail in section "VIII. Additional Information" below.	X		
4. Will any PII, PHI, or other Protected Information as defined in the 8110 Statewide Data Classification Policy located at <a href="https://aset.az.gov/resources/psp">https://aset.az.gov/resources/psp</a> be transmitted, stored, or processed with this project? If <b>YES, the Protected Data section under "VII. Security Controls" below will need to be completed.</b>		X	
5. Will this project migrate, transmit, or store data outside of the agency's in-house environment or the State Data Center? If <b>YES, the Hosted Data section under "VII. Security Controls" below will need to be completed.</b>		X	
6. Is this project in compliance with the Arizona Revised Statutes and GRRC rules?	X		
7. 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
<b>Assessment Cost (if applicable for Pre-PIJ)</b>	I. PIJ Type - Pre-PIJ Assessment Cost	\$
<b>Total Development Cost</b>	V. PIJ Financials tab	<b>\$44,879.96</b>
<b>Total Project Cost</b>	V. PIJ Financials tab	<b>\$44,879.96</b>
<b>FTE Hours</b>	See Hover text for FTE Hours	<b>25</b>

### C. Agency Approvals\*

Approver	Printed Name	Signature	Email and Phone
<b>Project Manager:</b>	Julie Augeri		
<b>Agency Information Security Officer:</b>	Randy Newman		
<b>Agency CIO:</b>	Dwight Cloud		
<b>Project Sponsor:</b>	Meegan Muse		
<b>Agency (Deputy) Director:</b>	Jeff Hood		

## VII. Security Controls

Collaboration with the ADOA-ASET Security, Privacy and Risk (SPR) team may be needed to complete this section, which is only required for those projects that involve data that is Protected or Hosted outside of the Agency or State Data Center. Additional information can be found in the NIST FRAMEWORK section under RESOURCES at <https://aset.az.gov/resources/psp> or you may wish to contact ASET-SPR directly at [secadm@azdoa.gov](mailto:secadm@azdoa.gov) for assistance.

### A. Protected Data

N/A

### B. Hosted Data

Check here if the <https://aset.az.gov/arizona-baseline-security-controls-excel> spreadsheet is attached. Otherwise explain below what information/ support is needed to complete the spreadsheet and/or why no sheet is attached:

Click here to enter text.

Check here if a Conceptual Design / Network Diagram is attached. Otherwise explain below what information/support is needed to complete the diagram and/or why no diagram is attached:

Click here to enter text.

## VIII. Additional Information

## IX. Attachments

The following are examples of supporting documents that should be sent as email attachments when required:

- A. *Vendor Quotes*
- B. *Network Diagram*

## X. Glossary

Other Links:

[ADOA-ASET Website](#)

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

Email Addresses:

[Strategic Oversight](#)

[ADOA-ASET\\_Webmaster@azdoa.gov](mailto:Webmaster@azdoa.gov)