



# ADOA-ASET

## Project Investment Justification

Version 03.31.15

A Statewide Standard Document for Information Technology Projects

### Project Title:

**Dual Band Public Safety Portable Radios FY-15**

Agency Name:	Arizona Department of Public Safety
Date:	May 26, 2015
Agency Contact Name:	Adam Follrath
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.	\$

Explain:

[Click here to enter text.](#)

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 Arizona Department of Public Safety (DPS) officers need the ability to have direct interoperable communications with other state, county, tribal and local law enforcement agencies to support joint enforcement activities, investigations and response. Today, most DPS officers are utilizing subscriber units which operate in the UHF radio band, since the DPS radio system is currently UHF-based. In many metro areas of Arizona, most public safety agencies have either transitioned or are planning to transition to 700/800 MHz, Project 25 (P25) digital trunked radio systems. As a result, direct unit to unit interoperable communications is severely limited between State and local public safety agencies.

As with many other agencies, funding to meet its goals remains a challenge for DPS. When funding does become available, DPS has identified three main objectives for the use of that funding to support critical radio communications:

- Radios that provide increased Interoperability.
- Radios that meet DPS narrowbanding needs.
- Radios that will provide DPS a migration path to the 700 MHz system.

A limited quantity of multi-band radios have been acquired and are currently being used on a priority basis within DPS. However, as long as there are subscriber units in use within DPS which can only operate on the UHF band there will be a continuing need to replace those subscriber units, in accordance with these three main objectives.

**B. Proposed Business Solution\***

With the current availability of robust, affordable dual-band radio units in the marketplace, a key component in addressing these public safety radio communication needs can be met. DPS is proposing to utilize available state funding to purchase 100 P25 capable, dual-band two-way subscriber radios and related accessories for use by DPS officers. These radios will allow officers to interoperate directly on the UHF

and 700/800 MHz radio bands most in use in the metro Phoenix, Tucson and Yuma areas of the State. These radios are a full spectrum dual-band subscriber radio design, which delivers operability, interoperability and advance capabilities, in alignment with DPS objectives.

**C. Quantified Benefits\***

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

Explain:

The units provide the officers with direct interoperability allowing for increased information sharing and safety for the officer.

### III. Technology Approach

**A. Proposed Technology Solution\***

The Department of Public Safety will purchase from State contract ADSP013-036880 the portable radio units and accessories. These radios are a full spectrum dual-band subscriber radio design that delivers operability, interoperability and advance capabilities required in the metro Phoenix area, and other metropolitan areas of the state. These units operate in the land mobile radio frequency bands of UHF and 700/800 MHz. They are an interoperability solution, capable of supporting APCO P25 Trunking, P25 conventional and Analog FM narrowband modes

**B. Existing Technology Environment**

DPS Officers are currently issued single band UHF radios that are limited to operations on the DPS network and do not have the capability for direct interoperability with modern digital P25 systems in place around the State.

**C. Selection Process**

The make and model portable radio that is being requested has been purchased before and currently in use at DPS. The Motorola APX 7000 portable is a public safety quality product and has been proven to perform well within the DPS needs and is currently on Az State Contract.

### IV. Project Approach

**A. Project Schedule\***

Project Start Date: 5/29/2015      Project End Date: 8/28/2015

**B. Project Milestones**

Major Milestones	Start Date	Finish Date
Order Radios	06/04/15	06/05/15
Receive Radios	06/30/15	06/30/15
Program Radios	07/01/15	07/15/15
Issue Radios	07/16/15	8/29/15
Close PIJ	08/30/15	8/30/15

**C. Project Roles and Responsibilities**

Adam Follrath, Project Manager

Kevin Rogers, Project Sponsor

**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	Inits
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. 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</b> , the <b>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</b> , the <b>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
Assessment Cost (if applicable for Pre-PIJ)	I. PIJ Type - Pre-PIJ Assessment Cost	\$
Total Development Cost	V. PIJ Financials tab	\$590,105
Total Project Cost	V. PIJ Financials tab	\$590.105
FTE Hours	See Hover text for FTE Hours	80

### C. Agency Approvals\*

Approver	Printed Name	Signature	Email and Phone
Project Manager:	Adam Follrath		
Agency Information Security Officer:	Roger Baune		
Agency CIO:	Gregg Hayes		
Project Sponsor:	Kevin Rogers		
Agency Director:	LTC J. Raynor		

## 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**

Click here to enter text.

### 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. *Arizona Baseline Security Controls spreadsheet*
- C. *Conceptual Design / Network Diagram*
- D. *Other*

## 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)