



# APX™ Personnel Accountability Application (APAA)

## Pre-Sale Proposal Questionnaire

**Department/Agency:**

---

**Prepared By:**

---

**Date:**

---

**Systems Definition, Inc.**  
5904 Richmond Highway  
Suite 330  
Alexandria, VA 22303  
703-717-0222  
[www.systemsdefinition.com](http://www.systemsdefinition.com)



**2. Number of agency personnel (radios) to be monitored in the Accountability solution:**

*The Accountability solution is based on the idea that each responder has a portable radio which is monitored by the solution. Identify the total number of radios that the overall Accountability solution is intended to monitor. This may not be the number of personnel in your agency/department, but the number of radios used by operations personnel for accountability purposes:*

Total number of radios that can be monitored by the Accountability system

Comments/Notes:

---

**3. Incident Commanders/Supervisors**

*Each incident commander or supervisor can have the Accountability client application running on a Windows-based computer (Windows 7, 8 or 10) inside a vehicle or even on a tablet computer when operating on foot. Identify the total number of incident commander computers or tablets that is intended to run the Personnel Accountability solution.*

Windows laptop PC	Quantity	Type of device (e.g Toughbook)
Windows tablet PC	Quantity	Type of device (e.g. Surface)
Other type of tablet device	Quantity	Type of device (e.g. Android)

Comments/Notes/Other:

---

**4. Data Connectivity From Command Vehicle**

*For Personnel Accountability solutions, the incident commander/supervisor computer requires a data connection to the network that will host the Personnel Accountability server on Trunked Radio systems. This data connection can be a packet-data connection over the Motorola ASTRO system or it can be using a cellular or other wide area network. For Conventional Personnel Accountability solutions, a data connection is needed to get real-time updates of radio alias changes, CAD information, etc. Identify the type of data service that will be used to connect the Accountability client in the field to the Trunked Radio network or the internet.*

P25 Packet data connection using Motorola Trunked ASTRO IV&D system

Cellular / 4G-LTE data network

Municipal Wi-Fi / Other

Comments/Notes/Other:

---

**5. Dispatch Incident Monitoring**

*For Trunking Personnel Accountability solutions, dispatchers can run the Accountability client application from their Motorola MCC7500/7100 dispatch position. The Accountability client is compatible and can cohabitate on the same PC that hosts the Motorola MCC7500/7100 dispatching application. Identify the number of dispatch positions that will run the Accountability client application:*

# of Dispatch positions

# of Dispatch centers that will host the Accountability application (if more than one)

Comments/Notes/Other:

---

**6. Personnel Tour Assignments / Rostering**

*The Personnel Accountability solution can display agency personnel by name and tour assignment for a given radio in the system if that information is available and accessible. Other agencies may assign radios to a riding position in a response vehicle and do not track personnel names associated with those positions. Identify if your agency tracks radio assignments to specific personnel and how that is managed or if your agency assigns radios based on riding positions or a combination of each.*

Radio assignments structured by tour – digital format (application managed)

Radio assignments structured by tour – paper-based format

Radio assignments based on riding-position (typically does not change)

Radios are personally issued

Combination of tour-based assignments / riding position / personal issue

Identify the program used to track tour assignments, if using digital format:

---

**RADIO SYSTEM INFORMATION:**

**7. Radio System**

*The Personnel Accountability solution is supported on Motorola Trunked Radio Systems as well as in a Conventional mode of operation. Identify which type of radio communications your agency will use at incident scenes that is intended to operate with the Accountability solution.*

Trunked Radio System

Conventional Operation

Both

Comments/Notes/Other:

---

**7a. Trunked Radio System (answer if responders use Trunking for incident scene communications)**

*In order to support the Personnel Accountability solution on a Motorola Trunked Radio System, the system must be at the ASTRO 7.17 system release or later. Identify which system release the trunking system is currently at and if it is not at the 7.17 system release or later, identify when the system is planned to be upgraded to 7.17 or beyond (if known).*

System is currently 7.17 or later

System is pre-7.17 but is planned for upgrade

System is pre-7.17 and there are currently no plans for upgrade

Identify the number of zones in the Trunked Radio system that can possibly have portable radios on them using the Accountability features

What system release is the system currently at (or don't know)?

---

What is the plan for when the system will be upgraded to 7.17 or later?

---

**7b. Battery Level Monitoring**

*As an option, the Personnel Accountability application can monitor the APX portable radio battery level and provide this information to the incident commander. For Trunked Radio systems, this capability requires the UNS/IMW application running on the trunking system. For Conventional operation, this information is automatically transmitted and does not require the UNS/IMW. Please identify if you need a quote for this capability on your system.*

Trunked Radio system does not have UNS/IMW, need quote

Trunked Radio system currently has UNS/IMW, but need quote for Battery Level Monitoring option

Do not need quote for UNS/IMW Battery Level Monitoring option

Conventional operation will be used for Accountability

If your system currently have a UNS/IMW, what version of UNS/IMW is installed (or don't know)?

---

**7c. Conventional Radio System (answer if responders use Conventional for incident scene communications)**

*The Personnel Accountability solution can operate in the Conventional mode at an incident scene. The simplest Conventional mode is radio-to-radio operation (simplex) but it may also operate in radio-to-repeater-to-radio mode (repeater). There are other Conventional modes that may be used at incident scenes depending on your operation. Identify which Conventional mode your responders use for incident scene communications. If using a repeater or simulcast/voted operation, identify if the fixed network equipment is digital capable.*

Radio – to – Radio (simplex)

Radio – to – Repeater – to – Radio (repeater)

Radio – to – Comparator – to – Radio (simulcast/voted)

Other

Digital-capable fixed network equipment?

Please provide other details regarding conventional mode (if known)?

---

**8. Portable Radio Types**

*The Personnel Accountability solution is based on each responder carrying a portable radio. It is important to note what type of radio is currently used at an incident scene by responders.*

# of Motorola APX portables

# of Motorola XTS portables

# of Other Motorola portables

# of Non-Motorola portables

*If using Motorola radios, do they already have the Q445-Personnel Accountability option enabled?*

Yes

No

Not sure

Comments/Notes/Other:

---

## SERVICES:

### 9. Technician Training

*SDI can provide technical training for the Accountability solution to accompany deployment. This is technical training for the Accountability server configuration and maintenance (for Trunking installations) and for the client application installation and configuration. Identify the number of personnel that would participate in the Technician training session.*

# of Technician Students

### 10. User Operations Training

*As a part of the Personnel Accountability installation and configuration, SDI can provide client application user training to accompany the Accountability solution deployment. This training can be "train the trainer" style or a "train the user" presentation. Identify which type of training would be desired and the total number of personnel that would participate in the SDI-led training.*

Train the Trainer for Users

Train the User

# of Train the Trainer Students

# of User Students

### 11. Radio System Configuration and Maintenance

*In order to help us estimate the level of effort needed to implement a Personnel Accountability solution, it is important to understand who will be responsible for the programming of the radios as well as any radio system configurations or maintenance. Please identify who will be responsible for the programming and configuration of the radios.*

Agency/department radio shop

Other

Agency/department personnel

Not sure

Local radio dealer/Motorola

Identify specific group/company/other:

---

### 12. Accountability Client Installation

*SDI will typically load the Accountability client software on a subset of the incident commander and dispatch center computers and the shop or technician will load the software onto the remaining computers. The reason for this is because typically all incident commander or dispatch computers are not available during the time SDI engineers are on site. Please identify the type and number of computers for the Accountability client installation and who will perform the installation.*

# of incident commander Accountability client installs performed by SDI

# of incident commander Accountability client installs performed by shop/technician

# of dispatcher Accountability client installs performed by SDI

# of dispatcher Accountability client installs performed by shop/technician