



SILICON VALLEY REGIONAL INTEROPERABLE AUTHORITY

SVRIA ASTRO25 EXPRESS SITE ON WHEELS

JANUARY 25, 2021

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Motorola Solutions, Inc.
936 Glennan Dr.
Redwood City, CA 94061

January 25, 2021

Silicon Valley Regional Interoperable Authority
601 El Camino Real
Santa Clara, CA 95050
Attn: Eric Nickel – SVRIA Executive Director

Subject: SVRIA CirrusCentral System Management Solution

Dear Mr. Nickel:

Motorola Solutions, Inc. ("Motorola") is pleased to present to SVRIA a proposal for the Site on Wheels system. This proposal will provide the equipment and services to build a six channel P25 Phase 2 site with Dynamic Dual mode to support FDMA radios. This solution will be build into the exiting trailer owned by SVRIA and SVRIA technicians will be responsible for the deployment of the trailer and when it's required. Each SVRIA agency will be responsible to reprogram their radios that will use this site.

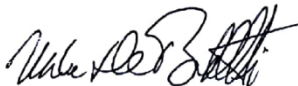
The proposal contains:

- Cover Letter
- Solution Description
- Equipment List
- Statement of Work
- Acceptance Test Plan
- Pricing Summary and Payment Terms
- Contractual Documentation

The proposal is based upon and subject to the terms and conditions of the Communications Equipment and Services Agreement entered into between Motorola Solutions, Inc., and the Silicon Valley Regional Interoperability Authority, dated June 26, 2020. The incentives offered are based on the SVRIA contract and subject to the terms and conditions of the contract. You may accept the proposal by issuing a purchase order consistent with the requirements of the SVRIA contract. The proposal is valid until March 15, 2021.

Motorola appreciates the opportunity to respond to your communications needs and stands ready to address any questions you may have regarding our submittal. If you have any questions concerning the quotation, please call Sr. Account Executive, Jeff Van Dell, at 650-280-3110.

Sincerely,
MOTOROLA SOLUTIONS, INC.



Mike DeBenedetti
Area Sales Manager

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SECTION 1

SYSTEM DESCRIPTION

Motorola is proposing a solution to Silicon Valley Regional Interoperable Authority (SVRIA) that consists of one (1) ASTRO 25 Express System with GTR 8000 Base Radios. An overview of the proposed system configuration and capabilities are provided below.

1.1 SOLUTION OVERVIEW

Motorola has proposed a six (6) channel ASTRO25 Express site. The site will use a 700 MHz Band.

- TDMA (to provide 10 talkpaths)
- 2 channels with Dynamic Channel Software

The proposed solution leverages the ASTRO 25 portfolio equipment including G-Series Controller & Stations. The single site ASTRO Express system will have its own trunking System ID that will need to be programmed into user subscriber radios.

1.2 ASTRO 25 EXPRESS OVERVIEW

An ASTRO® 25 Express System with GTR 8000 Base Radios is a single site, standalone P25 compliant trunking system that is capable of supporting up to 6 channels. It supports FDMA and TDMA operational modes.

The hardware components consist of six (6) base radios with redundant site controller modules and RF distribution equipment for transmit and receive paths.

Data, Integrated Voice and Data (IV&D) and ISSI capabilities are not supported. Also, the ability to connect to a wireline console is not available.

1.2.1 Software Components

This section introduces the software components in an ASTRO® 25 Express System. The following software components are supported and included in this proposal.

- **Configuration Manager**
 - The Configuration Manager enables customers to configure their single-site ASTRO 25 Express Trunking System without the additional cost of zone core equipment
 - The Configuration Manager provides the capability for a system manager to configure radio users and talkgroups in a Subscriber Access Control Database in the system site controller
 - Capabilities enabled by the Configuration Manager are as follows
 - ◆ Authorization of radio operators (individuals and groups)
 - ◆ Transmission vs. Message Trunking
 - ◆ Service Mode
 - ◆ Voice enable/disable
 - ◆ Talkgroup/Multigroup enable/disable



- ◆ Unit to Unit enable/disable
- ◆ Transmission Interrupt
- ◆ Call alert enable/disable
- ◆ Emergency call enable/disable
- ◆ Priority Monitor enable/disable
- ◆ Audio Interrupt enable/disable
- ◆ Priority Queuing
- ◆ Ruthless Preemption for Emergency Calls
- **Software Download Manager (SWDL)** - Software Download Manager (SWDL) transfers and installs new firmware in RF site components (base radios and site controllers)
- **Configuration/Service Software (CSS)** - The Configuration/Service Software (CSS) is a Windows-based application installed on a laptop or desktop PC used to perform product/box level configurations, status reporting, and servicing tasks for infrastructure devices in a system

The software components listed above will be installed IN A MOTOROLA provided Laptop.

1.2.2 Call Types

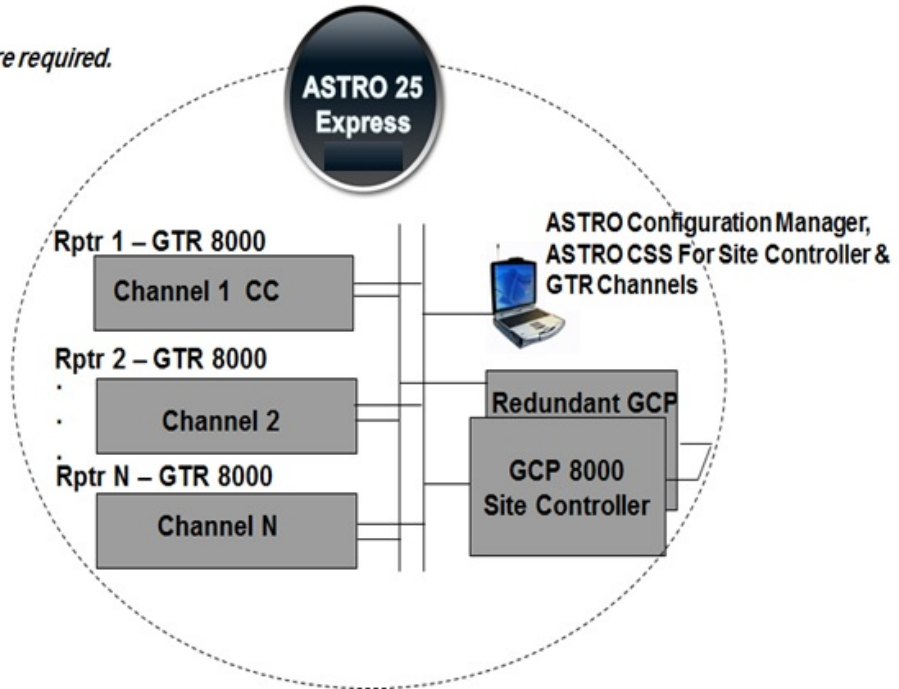
The ASTRO Express system will support the following voice call types:

- Talkgroup Calls
- Multigroup Calls
- Emergency Calls
- Private Calls
- Call Alert



1.3 SYSTEM BLOCK DIAGRAM

No ASTRO 25 Core required.



1.4 DESIGN ASSUMPTIONS

Motorola has made several assumptions in preparing this proposal for SVRIA. In case of incorrect assumptions, Motorola reserves the right to amend the proposal or contract with a change order.

- The SVRIA provided trailer will have sufficient space available for the system components described.
 - Equipment will be installed in the SVRIA's existing 2 x 2-post standard racks which is 6' high, 19" wide.
 - SVRIA will move all their existing equipment in order to provide the needed space for all Motorola provided equipment
 - Equipment load will be distributed in the 2 racks to ensure proper weight distribution.
- SVRIA will provide the two (2) main antenna lines for transmit and receive. These are existing lines in the customer's van.
- All Motorola provided equipment will be AC supplied.
- The UPS provided will have a runtime of at least 60 minutes.
- CMU and Tower Top Amplifier are not included.
- Motorola has not included any coverage testing or coverage guarantees as part of this proposal.
 - Voice coverage from site will be "as-is".
 - Motorola is likewise not providing any specific in-building coverage guarantees as a part of this design.
- The SVRIA provided trailer will have adequate electrical power and NEC and R56 compliant site grounding suitable to support the requirements of the system components described.
 - The demarcation point will be the Motorola proposed hardware itself.
 - SVRIA will be responsible to provide and install all breakers and wiring to interface to the Motorola-provided equipment.
 - SVRIA will ensure that there is sufficient and stable AC supply from the SVRIA provided generator to power all Motorola supplied equipment.
- Any site/location upgrades or modifications are the responsibility of SVRIA.
- Approved local, State, or Federal permits as may be required for the installation and operation of the proposed equipment, are the responsibility of the SVRIA.
- Where necessary, SVRIA will provide a dedicated delivery point—such as a warehouse—for receipt, inventory, and storage of equipment prior to delivery to the sites.
- Spare equipment is not proposed at this time.
- Radio subscribers or subscriber upgrades are not included at this time.
 - The SVRIA will be responsible for fleetmapping, codeplug generation and subscriber re-programming, as necessary.
- Console upgrades or connectivity are not included in the scope of this proposal.
 - Control stations and associated antenna systems are not included.
- SVRIA will be responsible for obtaining and maintaining valid FCC licensing (or other approved authority to operate) throughout the life of this project. Site requires frequencies in the 700 MHz band.
 - It is assumed that frequencies will be available before placing equipment orders.



- Work is performed during normal business hours on non-holidays, Monday – Friday, 8am – 5pm.
- No performance bonds are required.
- Dynamic Channel Software feature is proposed.
- Motorola assumes the appropriate resources from SVRIA will be available when necessary to complete the various project tasks on schedule.
- Motorola is not assuming responsibility for the support and/or performance of the existing equipment within the new system.
- Motorola does not make any claims to equivalent functionality between the existing P25 IP simulcast system and new ASTRO Express system. The coverage, features and functionality available in the Express system site will be different.



SECTION 2

EQUIPMENT LIST

Motorola has proposed the following equipment in this proposal.

QTY	NOMENCLATURE	DESCRIPTION
1	T7038	GCP 8000 SITE CONTROLLER
2	CA00303AA	ADD: QTY (1) SITE CONTROLLER
2	CA01431AA	ADD: ASTRO 25 EXPRESS SYSTEM SITE CONTROLLER SOFTWARE VOICE ONLY
1	CA03111AA	ADD: CEC COMPLIANCE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	CA03677AA	ADD: ASTRO SYSTEM RELEASE 2020.1
1	T7039	GTR 8000 Base Radio
1	CA03677AA	ADD: ASTRO SYSTEM RELEASE 2020.1
1	CA00855AA	ADD: 700/800 MHZ
1	CA03111AA	ADD: CEC COMPLIANCE
1	CA01430AA	ADD: ASTRO 25 EXPRESS SYSTEM SINGLE SITE BR SOFTWARE
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01842AA	ADD: P25 TDMA SOFTWARE
1	CA01902AA	ADD: P25 DYNAMIC CHANNEL SOFTWARE
1	T7039	GTR 8000 Base Radio
1	CA03677AA	ADD: ASTRO SYSTEM RELEASE 2020.1
1	CA00855AA	ADD: 700/800 MHZ
1	CA03111AA	ADD: CEC COMPLIANCE
1	CA01430AA	ADD: ASTRO 25 EXPRESS SYSTEM SINGLE SITE BR SOFTWARE
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01842AA	ADD: P25 TDMA SOFTWARE
1	CA01902AA	ADD: P25 DYNAMIC CHANNEL SOFTWARE
1	T7039	GTR 8000 Base Radio
1	CA03677AA	ADD: ASTRO SYSTEM RELEASE 2020.1
1	CA00855AA	ADD: 700/800 MHZ
1	CA03111AA	ADD: CEC COMPLIANCE
1	CA01430AA	ADD: ASTRO 25 EXPRESS SYSTEM SINGLE SITE BR SOFTWARE

QTY	NOMENCLATURE	DESCRIPTION
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01842AA	ADD: P25 TDMA SOFTWARE
1	T7039	GTR 8000 Base Radio
1	CA03677AA	ADD: ASTRO SYSTEM RELEASE 2020.1
1	CA00855AA	ADD: 700/800 MHZ
1	CA03111AA	ADD: CEC COMPLIANCE
1	CA01430AA	ADD: ASTRO 25 EXPRESS SYSTEM SINGLE SITE BR SOFTWARE
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01842AA	ADD: P25 TDMA SOFTWARE
1	T7039	GTR 8000 Base Radio
1	CA03677AA	ADD: ASTRO SYSTEM RELEASE 2020.1
1	CA00855AA	ADD: 700/800 MHZ
1	CA03111AA	ADD: CEC COMPLIANCE
1	CA01430AA	ADD: ASTRO 25 EXPRESS SYSTEM SINGLE SITE BR SOFTWARE
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01842AA	ADD: P25 TDMA SOFTWARE
1	T7039	GTR 8000 Base Radio
1	CA03677AA	ADD: ASTRO SYSTEM RELEASE 2020.1
1	CA00855AA	ADD: 700/800 MHZ
1	CA03111AA	ADD: CEC COMPLIANCE
1	CA01430AA	ADD: ASTRO 25 EXPRESS SYSTEM SINGLE SITE BR SOFTWARE
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01842AA	ADD: P25 TDMA SOFTWARE
1	T7555	ASTRO 25 EXPRESS CONFIGURATION MANAGER
1	NPI_001235	Multicoupler, 700-800 custom 16 port
1	NPI_001237	Combiner, 800 custom 6 port
2	CLN1868	2930F 24-PORT SWITCH
2	CLN1866	FRU: 1M DAC CABLE
2	DS11011188	PDU, 120/240 SPLIT PH OR N+1 REDUNDANT, 60A MAX PER PHASE, SIX DEDICAT
4	DS3750295	BREAKER, 5 AMP, CB UL 489 LISTED FOR AC EDGE II (1101-1188)

QTY	NOMENCLATURE	DESCRIPTION
8	DS3750297	BREAKER, 15 AMP, CB UL 489 LISTED FOR AC EDGE II (1101-1188)
2	DS9PXXR27003064 S	UPS, 9PX, 2700W, 120V, SOFTWIRED, 64 MIN RUNTIME RACKMOUNT
4	DSRMP615A	SPD, TYPE 3, 120V RACK MOUNT, 15A PLUG-IN W/ (6) 15A NEMA 5-15 OUTLETS
2	DS1101990	SPD, SHIELDED RJ-45 JACK, SINGLE LINE GBE (1000MBPS) R56 COMPLIANT
3	DSTSJADP	RACK MOUNT GROUND BAR, 19 IN FOR TSJ AND WPH SERIES DATA SPDS
1	TT3721	ZBOOK 15 G6 NON RETURNABLE
1	T7885	MCAFFEE WINDOWS AV CLIENT
1	DLN6895	FRU: PA 7/800 MHZ
1	DLN6885	FRU: XCVR 7/800 MHZ V2
1	DLN6634	FRU: 700/800 MHZ SITE LNA
1	DLN1306	FRU: 700/800 MHZ CABINET RMC MODULE
1	DLN6805	FRU: ENERGY EFFICIENT POWER SUPPLY
1	DLN6898	FRU: FAN MODULE
1	DLN6455	CONFIGURATION/SERVICE SOFTWARE
1	DSCC80703	OMNI, CORPORATE COLLINEAR, 3 DBD, 746-870 MHZ, PIM & 25 KW PIP RATED
2	DSUC114	ANTENNA CLAMP 60 TO 115MM
15	DSLDF450ACABLE	CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DSL4TDMPSA	7-16 DIN MALE POSITIVE STOP FOR 1/2 IN AL4RPV-50, LDF4-50A, HL4RPV-50
2	DS221213	WEATHERPROOFING KIT
1	DSTSXDFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/ BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
35	DSLDF450ACABLE	CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DSL4TNMPSA	TYPE N MALE POSITIVE STOP FOR 1/2 IN AL4RPV-50, LDF4-50A, HL4RPV-50
1	DSL4TDMPSA	7-16 DIN MALE POSITIVE STOP FOR 1/2 IN AL4RPV-50, LDF4-50A, HL4RPV-50
1	DSCC80703	OMNI, CORPORATE COLLINEAR, 3 DBD, 746-870 MHZ, PIM & 25 KW PIP RATED
2	DSUC114	ANTENNA CLAMP 60 TO 115MM
15	DSLDF450ACABLE	CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DSL4TNMPSA	TYPE N MALE POSITIVE STOP FOR 1/2 IN AL4RPV-50, LDF4-50A, HL4RPV-50
1	DSL4TDMPSA	7-16 DIN MALE POSITIVE STOP FOR 1/2 IN AL4RPV-50, LDF4-50A, HL4RPV-50

QTY	NOMENCLATURE	DESCRIPTION
2	DS221213	WEATHERPROOFING KIT
1	DS1090501WA	RF SPD, 700-1000MHZ BROADBAND 15 VDC PASS NM ANT, NF EQUIP PIP, ASIG
35	DSFSJ450BCABLE	FSJ4-50B 1/2" 50 OHM
2	DSF4PNMV2HC	TYPE N MALE FOR 1/2 IN FSJ4-50B CABLE



SECTION 3

STATEMENT OF WORK

3.1 OVERVIEW

This Statement of Work (SOW) describes the deliverables to be furnished to SVRIA. The tasks described herein will be performed by Motorola and SVRIA to implement the solution described in the System Description. It describes the actual work involved in installation, identifies the installation standards to be followed, and clarifies the responsibilities for both Motorola and the SVRIA during the project implementation. Specifically, this SOW provides:

- A summary of the phases and tasks to be completed within the project lifecycle.
- A list of the deliverables associated with the project.
- A description of the responsibilities for both Motorola and SVRIA.
- The qualifications and assumptions taken into consideration during the development of this project.

This SOW provides the most current understanding of the work required by both parties to ensure a successful project implementation. Should any of the sites or project scope changes, a revision to the SOW and associated pricing will be required. It is understood that this SOW is a working document, and that it will be revised as needed to incorporate any changes associated with contract negotiations, Contract Design Review (CDR), and any other change orders that may occur during the execution of the project.

Motorola has proposed a six (6) channel ASTRO25 Express site. The site will use a 700 MHz Band.

- TDMA (to provide 10 talkpaths)
- 2 channels with Dynamic Channel Software

3.2 MOTOROLA RESPONSIBILITIES

Motorola's general responsibilities include the following:

- Perform the installation of the Motorola supplied equipment described above
- Schedule the implementation in agreement with SVRIA
- Coordinate the activities of all Motorola personnel and subcontractors under this contract
- Installation, optimization, and programming of the ASTRO 25 Express Site
- Administer safe work procedures for installation
- Acceptance Testing of the ASTRO 25 Express Site
- Project Management, System Technologist, Post Sale Engineering Support
- System Documentation
- No subscriber flashes, programming, or implementation is included
- Warranty Services



3.3 SILICON VALLEY REGIONAL INTEROPERABLE AUTHORITY RESPONSIBILITIES

SVRIA will assume responsibility for the installation and performance of all other equipment and work necessary for completion of this project that is not provided by Motorola. General responsibilities for SVRIA include the following:

- Provide the Trailer which has room for equipment racks required for system installation
- Ensure the trailer meet space, grounding, power, and connectivity requirements that meet R56 installation guidelines. Any improvements required to meet R56 standards, will be SVRIA's responsibility.
- Obtain site access required for project implementation.
- SVRIA will provide a dedicated delivery point, such as a warehouse, for receipt, inventory and storage of equipment prior to delivery to the site(s).
- Coordinate the activities of all SVRIA vendors or other contractors

3.4 ASSUMPTIONS

Motorola has based the system design on information provided by SVRIA and an analysis of their system requirements. All assumptions have been listed below for review. Should Motorola's assumptions be deemed incorrect or not agreeable to SVRIA, a revised proposal with the necessary changes and adjusted costs may be required. Changes to the equipment or scope of the project after contract may require a change order

- All work is to be performed during normal work hours, Monday through Friday 8:00 a.m. to 5:00 p.m.
- Motorola is not responsible for interference caused or received by the Motorola provided equipment except for interference that is directly caused by the Motorola-provided transmitter(s) to the Motorola-provided receiver(s). Should SVRIA's system experience interference, Motorola can be contracted to investigate the source and recommend solutions to mitigate the issue.



SECTION 4

ACCEPTANCE TEST PLAN

Motorola has provided a draft functional test plan below for system performance.



Trunking Features

4.1.1 Talkgroup Call

1. DESCRIPTION

The Talkgroup is the primary level of organization for communications on a trunked radio system. Radios with Talkgroup call capability will be able to communicate with other members of the same Talkgroup. This provides the effect of a private channel down to the Talkgroup level. This test will demonstrate that a Talkgroup transmission initiated by a radio user will only be heard by system users, which have, the same Talkgroup selected. As with other types of calls, Talkgroup calls can take place from anywhere in the system.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-2 - TALKGROUP 1
RADIO-3 - TALKGROUP 2
RADIO-4 - TALKGROUP 2

VERSION #1.150

2. TEST

- Step 1. Initiate a Wide Area Call with RADIO-1 in TALKGROUP 1.
- Step 2. Observe that only RADIO-2 will be able to monitor and respond to the call.
- Step 3. Initiate a Wide Area Call with RADIO-3 in TALKGROUP 2.
- Step 4. Observe that only RADIO-4 will be able to monitor and respond the call.

Pass ____ Fail ____



Trunking Features

4.1.2 Emergency Alarm/Call with Top of Queue

1. DESCRIPTION

Users in life threatening situations can use the Emergency button on the radio to immediately send an emergency signal to the other TG members and to be assigned the next available voice channel. An Emergency Call can be set to either Top of Queue or Ruthless Preemption operation. This test verifies the Emergency ID will appear on the display of the monitoring subscribers. To accomplish this, an Emergency Alarm and Call will be initiated from an Radio which will be received by another Radio affiliated in the system.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - SITE 1
RADIO-3 - TALKGROUP 2
RADIO-3 - SITE - SITE 1
RADIO-4 - TALKGROUP 3
RADIO-4 - SITE - SITE 1

VERSION #1.060

2. TEST

- Step 1. While the system is in trunking mode, verify that all radios are affiliated as described.
- Step 2. Busy all channels at the site with the exception of the control channel and one voice channel
- Step 3. Press the PTT to initiate a call with RADIO-3 and hold the PTT switch until instructed to release
- Step 4. Key RADIO-4 and verify radio receives a busy tone. Release the PTT switch on RADIO-4.
- Step 5. Using RADIO-1 send an Emergency Call by depressing the emergency switch and then the PTT switch.
- Step 6. Observe that RADIO-1 cannot transmit due to the voice channel being busy
- Step 7. Release the PTT switch on RADIO-3.
- Step 8. Observe that RADIO-1 receives the call back before RADIO-4 and is able to proceed with the call.
- Step 9. ****For radios with displays only**** Observe that the display on RADIO-2 denotes an emergency and the unit ID of RADIO-1
- Step 10. Dekey RADIO-1 and end the Emergency Call by holding down the Emergency button on RADIO-1 until an alert tone sounds. Verify RADIO-1 returns to normal operation and that RADIO-4 receives a callback after the emergency hang time expires.

Pass ____ Fail ____



Trunking Features

4.1.3 Busy Queuing and Call Back

1. DESCRIPTION

Once the system channel capacity is full, all radio users trying to enter the system will receive a Busy signal and be put in queue by priority. Once a voice channel is available, the system will call back the highest queued user with a callback tone.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 2
RADIO-2 - SITE - SITE 1
RADIO-3 - TALKGROUP 3
RADIO-3 - SITE - SITE 1

VERSION #1.040

2. TEST

- Step 1. Disable all but one voice channel at SITE 1.
- Step 2. Verify priority levels of talkgroups are the same level.
- Step 3. Press the PTT of RADIO-1 and hold. This will capture the last voice channel.
- Step 4. Key RADIO-2 and then key RADIO-3. Both RADIO-2 and RADIO-3 will receive busy tones.
- Step 5. Release the PTT of RADIO-1.
- Step 6. Verify RADIO-2 receives the first callback.
- Step 7. Verify RADIO-3 receives the second callback.
- Step 8. Return all channels to service.

Pass____ Fail____



System Management Tests - ASTRO Express

4.1.4 Update Radio Capabilities Profile

1. DESCRIPTION

This test verifies that Radio Capabilities Profile can be modified by the system operator.

SETUP

RADIO-1 – TALKGROUP 1
RADIO-2 – TALKGROUP 1

VERSION #1.000

2. TEST

- Step 1. If a radio record doesn't exist for RADIO-1 or RADIO-2, create the record(s) using Configuration Manager.
- Step 2. In Radio Capabilities Profile for RADIO-1, set Private Call Capability Flag to "No". Distribute using delta download.
- Step 3. Attempt private call between RADIO-1 and RADIO-2. Verify that private call can not be used.
- Step 4. In Radio Capabilities Profile for RADIO-1, set Private Call Capability Flag to "Yes". Distribute using delta download.
- Step 5. Attempt private call from RADIO-1 to RADIO-2. Verify private call can be made between RADIO-1 and RADIO-2.

Pass____ Fail____

System Management Tests - ASTRO Express

4.1.5 Update Group Capabilities Profile

1. DESCRIPTION

This test verifies that Group Capabilities Profile can be modified by the system operator.

SETUP

RADIO-1 – TALKGROUP 1
RADIO-2 – TALKGROUP 1

VERSION #1.050

2. TEST

- Step 1. If a talkgroup record doesn't exist for TG-1, create a record using Configuration Manager.
- Step 2. In Group Capability Profile for TALKGROUP 1, set Emergency Enabled to "No". Distribute using delta download.
- Step 3. Attempt emergency call from RADIO-1 to TALKGROUP 1. Verify that emergency call can not be used.
- Step 4. In Group Capability Profile for TALKGROUP 1, set Emergency Enabled to "Yes". Distribute using delta download.
- Step 5. Attempt emergency call from RADIO-1 to TALKGROUP 1. Verify that emergency call can be used and that the display on RADIO-2, if present, indicates an emergency call.

Pass____ Fail____



4.2 SIGNOFF CERTIFICATE

By their signatures below, the following witnesses certify they have observed the system Acceptance Test Procedures.

Signatures

WITNESS:

_____ Date: _____

Please Print Name: _____

Initials:

Please Print Title: _____

WITNESS:

_____ Date: _____

Please Print Name: _____

Initials:

Please Print Title: _____

WITNESS:

_____ Date: _____

Please Print Name: _____

Initials:

Please Print Title: _____

SECTION 5

PRICING SUMMARY

5.1 PRICING SUMMARY

The proposed pricing is based the SVRIA contract with Motorola Solutions, Inc. The incentives offered are based on the purchase of a certain minimum amount of equipment and services under the SVRIA contract.

Table 5-1: Pricing Summary – SVRIA Site on Wheels

Description	Price
Site on Wheels System Equipment	
Equipment Subtotal	\$281,201
Implementation Services and Above Warranty Services	
Project Management	\$62,949
Engineering and System Technologist	\$93,512
Site Install	\$42,091
Freight	\$466
Implementation Services and Above Warranty Services Subtotal	\$199,018
Site on Wheels Subtotal before incentive	\$480,219
Incentive for order by June 1, 2021	(\$58,219)
Site on Wheels Subtotal with incentive	\$422,000
Estimated Sales Tax @ 9.25%(Taxes are Customer's Responsibility)	\$26,011
SITE ON WHEELS SYSTEM TOTAL	\$448,011

Table 7-2: Pricing summary for post warranty maintenance for Site on Wheels

Post Warranty Maintenance: Site on Wheels	Price
Year 2	\$12,636
Year 3	\$13,015
Year 4	\$13,406
Year 5	\$13,807
Year 6	\$14,222
Year 7	\$14,649

Table 7-3: Pricing System Upgrade Assurance for Site on Wheels

System Upgrade Assurance for logging operator position	Price
Year 2	\$9,475
Year 3	\$9,760
Year 4	\$10,052
Year 5	\$10,354
Year 6	\$10,665
Year 7	\$10,985

The site on wheels proposed in this project require long term maintenance and System Upgrade Agreement (SUAI) services in order to continue operating on the SVRIA system throughout the life of the project. For efficiency purposes, SVRIA has an agreement with Motorola to provide the long term maintenance and SUA II services for the SVRIA system. Upon agreement by SVRIA, the site on wheels proposed in this project will be added to Exhibit B of the SVRIA agreement at the pricing set above (all prices are in USD).

5.2 PAYMENT SCHEDULE INFRASTRUCTURE & CONSOLES

- Customer will make payments to Motorola Solutions within thirty (30) days after the date of each invoice.
- Customer will make payments when due in the form of a check, cashier's check, or wire transfer drawn on a U.S. financial institution and in accordance with the following milestones.

Total Contract Price Fixed Network Equipment (FNE) (not including Subscribers and Subscriber Related Services Contract Price)

1. Equipment will be invoiced upon shipment.
2. Implementation Services will be invoiced upon System Acceptance.

Motorola Solutions shall make partial shipments of equipment and will request payment upon shipment of such equipment. In addition, Motorola Solutions shall invoice for installations completed on a site-by-site basis or when professional services are completed, when applicable. The value of the equipment shipped/services performed will be determined by the value shipped/services performed as a percentage of the total milestone value. Unless otherwise specified, contract discounts are based upon all items proposed and overall system package. For invoicing purposes only, discounts will be applied proportionately to the FNE and Subscriber equipment values to total contract price. Overdue invoices will bear simple interest at the maximum allowable rate by state law.



SECTION 6

CONTRACTUAL DOCUMENTATION

The proposal is based upon and subject to the terms and conditions of the Communications Equipment and Services Agreement entered into between Motorola Solutions, Inc., and the Silicon Valley Regional Interoperability Authority, dated June 26, 2020. The incentives offered are based on the SVRIA contract and subject to the terms and conditions of the contract. You may accept the proposal by issuing a purchase order consistent with the requirements of the SVRIA contract. The proposal is valid until March 15, 2021.

