

INVITATION FOR BID

ISSUING OFFICE:

GENERAL SERVICES AGENCY
GOVERNMENT OF GUAM
148 ROUTE 1, MARINE DRIVE
PITI, GUAM 96915

Handwritten signature of Claudia S. Acfalle

CLAUDIA S. ACFALLE
Chief Procurement Officer

DATE ISSUED: June 13, 2017

BID INVITATION NO: GSA-040-17

BID FOR: MOBILE RADIO (800MHZ) WITH LIGHT EMITTING DIODE (LED) SIREN/PUBLIC ANNOUNCEMENT (PA) SYSTEM

SPECIFICATION: SEE ATTACHED

DESTINATION: GUAM POLICE DEPARTMENT

REQUIRED DELIVERY DATE: 150 Days Upon Receipt of Purchase Order.

INSTRUCTION TO BIDDERS:

INDICATE WHETHER: INDIVIDUAL PARTNERSHIP CORPORATION

INCORPORATED IN: Delaware

This bid shall be submitted in duplicate and sealed to the issuing office above no later than (Time) 10:00am . Date: 6/28/2017 and shall be publicly opened. Bid submitted after the time and date specified above shall be rejected. See attached General Terms and Conditions, and Sealed Bid Solicitation for details.

The undersigned offers and agrees to furnish within the time specified, the articles and services at the price stated opposite the respective items listed on the schedule provided, unless otherwise specified by the bidder. In consideration to the expense of the Government in opening, tabulating, and evaluating this and other bids, and other considerations, the undersigned agrees that this bid remain firm and irrevocable within 90 calendar days from the date opening to supply any or all the items which prices are quoted.

NAME AND ADDRESS OF BIDDER:

SIGNATURE AND TITLE OF PERSON
AUTHORIZED TO SIGN THIS BID:

Motorola Solutions Inc.
809 Pinnacle Drive, Ste E-H
Lithicum, MD 21090 c/o
Motorola Solutions Inc, 215 Rojas Ste 123, Tamuning GU 96913

Handwritten signature of Kian Chamran
Kian Chamran - MSI Guam Mgr

AWARD: CONTRACT NO.: GSA-040-17 AMOUNT: \$70,462.80 DATE: 7/07/17

ITEM NO(S). AWARDED: Motorola APX6500 Mobile Radio(1.1)
Motorola APX6500 Mobile Radio (2.1)

CONTRACTING OFFICER:

Handwritten signature of Claudia S. Acfalle
CLAUDIA S. ACFALLE
Chief Procurement Officer

NAME AND ADDRESS OF CONTRACTOR:

SIGNATURE AND TITLE OF PERSON
AUTHORIZED TO SIGN THIS CONTRACT:

Motorola Solutions Inc.
809 Pinnacle Drive, Ste E-H
Lithicum, MD 21090 c/o
Motorola Solutions Inc, 215 Rojas Ste 123, Tamuning GU 96913

Handwritten signature of Kian Chamran
Kian Chamran - MSI Guam Mgr

ITEM NO.	DESCRIPTION	QTY.	UOM	UNIT PRICE	PRICE EXTENSION
1.1	Mobile Radio, 800MHz with Light Emitting Diode (LED) Siren/Public Announcement (PA) System as per the following specifications Ref: Motorola, APX 6500 (or equal)	1	EA.	\$ 5,684.12	\$ 5,684.12

General Requirements:

These specifications have been written to describe the minimum equipment & performance requirements to be supplied by the vendor responding to this IFB. GovGuam may conduct reasonable tests upon delivery and before acceptance.

SPECIFICATIONS:

BIDDING ON/REMARKS:

Demonstrate the ability to operate on and provide all features of the current GovGuam Motorola AMSS/SmartNet 800MHz, Analog, Trunked, Public Safety Communications System

Meets Specifications

Upgradeable via software to be capable of operating on a P25, 700/800Mhz 9.6KB Digital Trunking Communication System.

Meets Specifications

Capable of data transmission

Meets Specifications

Radio must be software upgradeable to operate and provide all features of a Project 25 700/800MHz trucked, narrowband communication system.

Meets Specifications

Customer programmable utilizing Microsoft Windows 10. Bidder must provide one (1) each programming software for customer use.

Meets Specifications

Dual 7.5 watt speakers (or better)

Meets Specifications

Emergency Button

Meets Specifications

Must have integrated GPS Capability

Meets Specifications

Capable of Over-the Air Re-Programming (OTAP)

Meets Specifications

AES Encryption

Meets Specifications

Meet Military Specifications 810, C, D, E, & F (or better)

Meets Specifications

Capable of 25/12.5 Channel Spacing

Meets Specifications

Keypad type microphone

Meets Specifications

Installation in 1 Dodge Durango SUV Siren/PA System, 50" Justice (Light Emitting Diode) LED Lightbar, LR11 Alley Lights, LIN6 Blue, Outboard, CON3, White, LIN6, Amber, Outboard, Mirror Beam LED, Micron Series LED,

Meets Specifications

Vertex LED, Spitfire Ion Series, Cencom Sapphire w/ T/A module, All Mounting and Equipment Brackets, 17" VS Equipment Console Accessory box, to include all required radio antennas.

Meets Specifications

Warranty: One (1) year minimum

Meets Specifications

Bidder must offer a comprehensive service plan that includes replacement of the radio without regard to the circumstances that caused the damage to the radio.

Meets Specifications

Bidder must be capable of repairing the provided radios on Guam both under the warranty and after warranty expires. Bidder's repair facility must have a current Factory Mutual Approval and be capable of repairing and re-certifying intrinsically safe radios.

Meets Specifications

Bidding On:

Manufacturer: Motorola Solutions Inc

Model: APX6500 Mobile Radio

Place of Origin: Motorola Solutions Inc

Date of Delivery: 150 Days ARO

These specifications were drafted by John A. Bamba, staff of the Department of Guam Police and approved by Joseph I Cruz, Chief of Police.

ITEM NO.	DESCRIPTION	QTY.	UOM	UNIT PRICE	PRICE EXTENSION
2.1	Mobile Radio, 800MHz with Light Emitting Diode (LED) Siren/Public Announcement (PA) System as per the following specifications	4	EA.	\$ 16,194.67	\$64,778.68

Ref: Motorola, APX 6500 (or equal)

General Requirements:

These specifications have been written to describe the minimum equipment & performance requirements to be supplied by the vendor responding to this IFB. GovGuam may conduct reasonable tests upon delivery and before acceptance.

SPECIFICATIONS:

BIDDING ON/REMARKS:

Demonstrate the ability to operate on and provide all features of the current GovGuam Motorola AMSS/SmartNet 800MHz, Analog, Trunked, Public Safety Communications System	<u>Meets Specifications</u>
Upgradeable via software to be capable of operating on a P25, 700/800Mhz 9.6KB Digital Trunking Communication System.	<u>Meets Specifications</u>
Capable of data transmission	<u>Meets Specifications</u>
Radio must be software upgradeable to operate and provide all features of a Project 25 700/800MHz trucked, narrowband communication system.	<u>Meets Specifications</u>
Customer programmable utilizing Microsoft Windows 10. Bidder must provide one (1) each programming cable and current programming software for customer use.	<u>Meets Specifications</u>
Dual 7.5 watt speakers (or better)	<u>Meets Specifications</u>
Emergency Button	<u>Meets Specifications</u>
Must have integrated GPS Capability	<u>Meets Specifications</u>
Capable of Over-the Air Re-Keying (OTAR) with multi-key capability	<u>Meets Specifications</u>
Capable of Over-the Air Re-Programming (OTAP)	<u>Meets Specifications</u>
AES Encryption	<u>Meets Specifications</u>
Meet Military Specifications 810, C, D, E, & F (or better)	<u>Meets Specifications</u>
Capable of 25/12.5 Channel Spacing	<u>Meets Specifications</u>
Keypad type microphone	<u>Meets Specifications</u>
Installation in 4 Dodge Charger Sedans Siren/PA System, 50" Justice (Light Emitting Diode) LED Lightbar, LR11 Alley Lights, LIN6 Blue, Outboard, CON3, White, LIN6, Amber, Outboard, Mirror Beam LED, Micron Series LED, Vertex LED, Spitfire Ion Series, Cencom Sapphire w/ T/A module, All Mounting and Equipment Brackets, 17" VS Equipment Console Accessory box, to include all required radio antennas.	<u>Meets Specifications</u>
Warranty: One (1) year minimum	<u>Meets Specifications</u>
Bidder must offer a comprehensive service plan that includes replacement of the radio without regard to the circumstances that caused the damage to the radio.	<u>Meets Specifications</u>
Bidder must be capable of repairing the provided radios on Guam both under the warranty and after warranty expires. Bidder's repair facility must have a current Factory Mutual Approval and be capable of repairing and re-certifying intrinsically safe radios.	<u>Meets Specifications</u>

Bidding On:

Manufacturer: Motorola Solutions Inc
 Model: APX6500 Mobile Radio
 Place of Origin: Motorola Solutions Inc
 Date of Delivery: 150 Days ARO

These specifications were drafted by John A. Bamba, staff of the Department of Guam Police and approved by Joseph I Cruz, Chief of Police.

2. LITERATURE / BROUCHERS



SPECIFICATION SHEET



APX™ 6500

PROJECT 25 MOBILE RADIO

We've put exceptional flexibility into an advanced mission critical mobile radio that's easy to operate and intuitive to use. The APX 6500 P25 mobile allows users to choose from 4 control heads, mid and high power models and multiple installation configurations in an easy to install design. Innovative safety features such as GPS location tracking, intelligent lighting and one-touch controls help to keep first responders safer than ever before.

Focus on the task not the technology, with the hardworking mission critical mobile that turns mission critical into mission complete.

FLEXIBLE PLATFORM

- Interchangeable control heads that best support your operational needs - 02, 03, 05, 07
- Two transceiver options - high-power and mid-power
- Dual control head support offered on the 02, 05 and 07 control heads

EASY TO INSTALL AND EFFORTLESS TO USE

- Mid-power model fits into any existing XTL footprint, so you can reuse mounting holes and cables
- High-power model trunion design lets you remove the radio without removing the cables
- 12 character RF ID label helps you track information without uninstalling your radio

CUTTING-EDGE TECHNOLOGY AND ADVANCED FEATURES

- Project 25 Phase 2 technology provides twice the voice capacity
- Integrated GPS lets you locate and track an individual or vehicle
- Advanced features like intelligent lighting, radio profiles and text messaging improve communication and coordination





APX™ 6500 SPECIFICATIONS

FEATURES AND BENEFITS:

Available in 700/800 MHz, VHF, UHF R1 and UHF R2 bands
Channels: 870*

Trunking Standards supported:

- Clear or digital encrypted Trunked Operation
- Capable of SmartZone®, SmartZone Omnilink, SmartNet®

Analog MDC-1200 and Digital APCO P25 Conventional System Configurations

Narrow and wide bandwidth digital receiver (6.25kHz/12.5kHz/20kHz/25kHz)

Embedded digital signaling (ASTRO and ASTRO 25)

Integrated GPS capable

Integrated Encryption Hardware

Intelligent lighting

Radio profiles

Unified Call List

Ships standard IP54

Utilizes Windows XP, Vista and Windows 7 Customer Programming Software (CPS)

■ Supports USB Communications

■ Built in FLASHport™ support

Re-use of most XTL™ accessories, plus new IMPRES accessories

OPTIONAL FEATURES:

Enhanced Encryption Software Options

Programming over Project 25 (POP25)

Text Messaging

Over the Air Rekeying (OTAR)

12 character RF ID asset tracking

Tactical OTAR

*Enhancement package available

TRANSMITTER - TYPICAL PERFORMANCE SPECIFICATIONS

	700 MHz	800 MHz	VHF	UHF Range 1	UHF Range 2	
Frequency Range/Bandsplits	764-776 MHz 794-806 MHz	806-824 MHz 851-870 MHz	136-174 MHz	380-470 MHz	450-520 MHz	
Channel Spacing	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	
Maximum Frequency Separation	Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit	
Rated RF Output Power Adj†	10-30 Watts	10-35 Watts	10-50 Watts or 25-110 Watts	10-40 Watts or 25-110 Watts	10-45 Watts (450-485 MHz) 10-40 Watts (485-512 MHz) 10-25 Watts (512-520 MHz)	
Frequency Stability* (-30°C to +60°C; +25°C Ref.)	±0.00015 %	±0.00015 %	±0.0002 %	±0.0002 %	±0.0002 %	
Modulation Limiting†	±5 kHz / ±2.5 kHz	±5 kHz/±4 kHz (NPSAPC) /±2.5 kHz	±5 kHz / ±2.5 kHz	±5 kHz / ±2.5 kHz	±5 kHz / ±2.5 kHz	
Modulation Fidelity (C4FM) 12.5kHz Digital Channel	±2.8 kHz	±2.8 kHz	±2.8 kHz	±2.8 kHz	±2.8 kHz	
Emissions*	Conducted+ -75/-85 dBc	Radiated+ -20/-40 dBm	Conducted -75 dBc	Radiated -20 dBm	Conducted -85 dBc	Radiated -20 dBm
Audio Response*	+1, -3 dB (EIA)	+1, -3 dB (EIA)	+1, -3 dB (EIA)	+1, -3 dB (EIA)	+1, -3 dB (EIA)	
FM Hum & Noise	25 kHz 12.5 kHz	-50 dB -48 dB	-50 dB -48 dB	-53 dB -50 dB	-53 dB -50 dB	
Audio Distortion*	2 %	2 %	2 %	2 %	2 %	

DIMENSIONS

	Inches	Millimeters	
Mid Power Radio Transceiver	2 x 7 x 8.6	50.8 x 177.8 x 218.4	
O5 Control Head	2 x 7 x 2.5	50.8 x 180.3 x 63.5	
O2 Control Head	2.7 x 8 x 2.1	68.4 x 206 x 52.83	
O7 Control Head	2 x 7 x 1.5	50.8 x 178 x 40	
Mid Power Radio Transceiver and O5 Control Head - Dash Mount	2 x 7 x 9.6	50.8 x 180.3 x 243.8	
Mid Power Radio Transceiver and O2 Control Head - Dash Mount	2.7 x 8 x 10.5	68.4 x 206 x 268	
Mid Power Radio Transceiver and O7 Control Head - Dash Mount	2 x 7 x 10.3	50.8 x 178 x 262	
Mid Power Radio Transceiver and Remote Mount	2.0 x 7 x 9.6	50.8 x 180.3 x 243.8	
High Power Radio Transceiver	2.9 x 11.5 x 8.8	74 x 293 x 223	
High Power Radio Transceiver with Handle	3.4 x 11.5 x 8.8	87 x 293 x 223	
Mid Power Radio Transceiver and O5 Control Head Weight	6.6 lbs	3.0 kg	
Mid Power Radio Transceiver and O2 Control Head Weight	7.12 lbs	3.23 kg	
Mid Power Radio Transceiver and O7 Control Head Weight	6.74 lbs	3.06 kg	
High Power Radio Transceiver Weight	With Trunnion Without Trunnion	14.2 lbs 12 lbs	6.4 kg 5.4 kg

APX 6500 CONTROL HEAD PORTFOLIO



O2 RUGGED CONTROL HEAD

- Large color display with intelligent lighting
- 3 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Built in 7.5 watt speaker
- Multiple control head configuration (up to 2)
- Multifunction volume/channel knob
- Night/day mode button

O3 HAND HELD CONTROL HEAD

- Large color display with intelligent lighting
- 2 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Integrated full size DTMF keypad
- Hand-held control head with intuitive user interface
- Two quick-access side buttons
- Display contrast selector

O5 STANDARD CONTROL HEAD

- Tri-color display with intelligent lighting
- 2 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Available with Keypad Microphone
- Multiple control head configuration (up to 2)
- Display contrast selector

O7 ENHANCED CONTROL HEAD

- Large color display with intelligent lighting
- 3 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Available with Lighting & Siren Controls or DTMF Keypad
- Multiple control head configuration (up to 2)
- Multifunction volume/channel knob
- Night/day mode button

RECEIVER – TYPICAL PERFORMANCE SPECIFICATIONS

	700 MHz	800 MHz	VHF	UHF Range 1		UHF Range 2	
Frequency Range/Bandsplits	764-776 MHz	851-870 MHz	136-174 MHz	380-470 MHz		450-520 MHz	
Channel Spacing	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz		25/20/12.5 kHz	
Maximum Frequency Separation	Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit		Full Bandsplit	
Audio Output Power at 3% distortion*	7.5 W or 15 W ++	7.5 W or 15 W ++	7.5 W or 15 W ++	7.5 W or 15 W ++		7.5 W or 15 W ++	
Frequency Stability* (-30°C to +60°C; +25°C Ref.)	+/-0.8 PPM	+/-0.8 PPM	+/-0.8 PPM	+/-0.8 PPM		+/-0.8 PPM	
Analog Sensitivity* 12 dB SINAD	-121 dBm	-121 dBm	Pre-Amp -123 dBm Standard -119 dBm	Pre-Amp -123 dBm Standard -119 dBm	Pre-Amp -123 dBm Standard -119 dBm	Pre-Amp -123 dBm Standard -119 dBm	
Digital Sensitivity 5% BER	-121.5 dBm	-121.5 dBm	-123 dBm -119 dBm	-123 dBm -119 dBm	-123 dBm -119 dBm	-123 dBm -119 dBm	
Intermodulation 25 kHz	82 dB	82 dB	84 dB	86 dB	82 dB	86 dB	
12.5 kHz	82 dB	82 dB	85 dB	86 dB	83 dB	85 dB	
Spurious Rejection	91 dB	91 dB	95 dB	93 dB	93 dB	93 dB	
Audio Distortion at rated*	1.20%	1.20%	1.20%	1.20%	1.20%	1.20%	
FM Hum & Noise 25 kHz	59 dB	59 dB	59 dB	55 dB	57 dB	57 dB	
12.5 kHz	50 dB	50 dB	50 dB	50 dB	50 dB	50 dB	
Selectivity* 25 kHz	85 dB	85 dB	85 dB	85 dB	85 dB	85 dB	
12.5 kHz	75 dB	75 dB	75 dB	75 dB	75 dB	75 dB	
30 kHz	—	—	90 dB	—	—	—	

SIGNALING (ASTRO MODE)

Signaling Rate	9.6 kbps
Digital ID Capacity	10,000 Conventional / 48,000 Trunking
Digital Network Access Codes	4,096 network site addresses
ASTRO® Digital User Group Addresses	4,096 network site addresses
Project 25 – CAI Digital User Group Addresses	65,000 Conventional / 4,094 Trunking
Error Correction Techniques	Golay, BCH, Reed-Solomon codes
Data Access Control	Slotted CSMA: Utilizes infrastructure-sourced data status bits embedded in both voice and data transmissions.

GPS SPECIFICATIONS

Channels	12
Tracking Sensitivity	-153 dBm
Accuracy**	<10 meters (95%)
Cold Start	<60 seconds (95%)
Hot Start	<10 seconds (95%)
Mode of Operation	Autonomous (Non-Assisted) GPS

POWER AND BATTERY DRAIN

Model Type	136-174 MHz, 380-470 MHz, 450-520 MHz, 764-870 MHz					
Minimum RF Power Output	10-35 Watt (764-870 MHz), 10-50 Watts or 25-110 Watts (136-174 MHz), 10-40W or 25-110 Watts (380-470 MHz), 10-45Watts (450-485 MHz), 10-40Watts (485-512 MHz), 10-25Watts (512-520 MHz)					
Operation	13.8V DC ±20% Negative Ground					
Standby at 13.8V	0.85A (764-870 MHz), 0.85A (136-174 MHz), 0.85A (380-470 MHz), 0.85A (450-520 MHz)					
Receive Current at Rated Audio at 13.8V	3.2A (764-870 MHz), 3.2A (136-174 MHz), 3.2A (380-470 MHz), 3.2A (450-520 MHz)					
Transmit Current (A) at Rated Power	136-174 MHz (10-50 Watt)	13A (50W)	8A (15W)	764-870 MHz (10-35 Watt)	12A (50W)	8A (15W)
	380-470 MHz (10-40 Watt)	11A (40W)	8A (15W)	136-174 MHz (25-110 Watt)	20A (110W)	
	380-470 MHz (10-40 Watt)	11A (45W)	8A (15W)	380-470 MHz (25-110 Watt)	24A (110W)	

APX™ 6500 SPECIFICATIONS

MOBILE MILITARY STANDARDS 810 C, D, E, F & G										
	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G	
	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.5	II
High Temperature	501.1	I, II	501.2	I/A1, II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/Hot	501.5	I-A1, II
Low Temperature	502.1	I	502.2	I/C3, II/C1	502.3	I/C3, II/C1	502.4	I/C3, II/C1	502.5	I-C3, II
Temperature Shock	503.1	1 Proc	503.2	I/A1C3	503.3	I/A1C3	503.4	I	503.5	I-C
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I-A1
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.5	I, III
Humidity	507.1	II	507.2	II	507.3	II	507.4	1 Proc	507.5	II-Aggravated
Salt Fog	509.1	1 Proc	509.2	1 Proc	509.3	1 Proc	509.4	1 Proc	509.5	1 Proc
Blowing Dust	510.1	I	510.2	I, II	510.3	I, II	510.4	I, II	510.5	I, II
Vibration	514.1w	VIII/F, Curve-W	514.3	I/10, II/3	514.4	I/10, II/3	514.5	I/24	514.6	I-cat.24
Shock	516.2	I, III, V	516.3	I, V, VI	516.4	I, V, VI	516.5	I, V, VI	516.6	I, V, VI

ENCRYPTION	
Supported Encryption Algorithms	ADP, AES, DES, DES-XL, DES-OFB, DVP-XL
Encryption Algorithm Capacity	8
Encryption Keys per Radio	Module capable of storing 1024 keys. Programmable for 64 Common Key Reference (CKR) or 16 Physical Identifier (PID)
Encryption Frame Re-sync Interval	P25 CA1 300 mSec
Encryption Keying	Key Loader
Synchronization	XL – Counter Addressing, OFB – Output Feedback
Vector Generator	National Institute of Standards and Technology(NIST) approved random number generator
Encryption Type	Digital
Key Storage	Tamper protected volatile or non-volatile memory
Key Erasure	Keyboard command and tamper detection
Standards	FIPS 140-2 Level 3 FIPS 197

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-30°C / +60°C
Storage Temperature	-40°C / +85°C
Humidity	Per MIL-STD
ESD	IEC 801-2 KV
Water and Dust Intrusion	IP54, MIL-STD

FCC TYPE ACCEPTANCE ID		
BAND	OUTPUT POWER	TRANSMITTER NUMBER
764-870 MHz	10-35 Watts	AZ492FT5858
136-174 MHz	25-110 Watts	AZ492FT3821
136-174 MHz	10-50 Watts	AZ492FT3824
380-470 MHz	10-40 Watts	AZ492FT4894
380-470 MHz	25-110 Watts	AZ492FT4897
450-520 MHz	10-45 Watts	AZ492FT4896

* Measured in the analog mode per TIA/EIA 603 under nominal conditions
 ** Accuracy specs are for long-term tracking (95th percentile values >5 satellites visible at a nominal -130 dBm signal strength)
 + Specs includes performance for the non-GNSS/GNSS bands
 ++ Output power in to 8 and 3.2 Ohm external speakers respectively
 Specifications subject to change without notice. All specifications shown are typical. Radio meets applicable regulatory requirements.

Motorola Solutions, Inc. 1301 E. Algonquin Road, Schaumburg, Illinois 60196 U.S.A. motorolasolutions.com

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R3-1-2047E



5. PRICING & SOW





Quote Number: MUSFGMD03355-IA
 Date: 06/28/2017

Customer:

GovGuam GSA
 148 Route 1 Marine Corps Drive
 Piti, Guam 96915

Attention:

GovGuam GSA IFB# GSA-040-17

Motorola Solutions Inc. Contact

Name: Kian Chamran
 Email: Kian.Chamran@motorolasolutions.com
 Phone: (671) 647-6144

Item	Qty	Qty/Vehicle	Nomenclature	Description	Unit Price	Extended Price
ITEM No. 1.1						
	1	1	M25URS9PW1 N	APX6500 7/800 MHZ MID POWER MOBILE	\$5,684.12	\$5,684.12
		1	G806	ADD: ASTRO DIGITAL CAI OPERATION		
		1	G51	ENH: SMARTZONE OPERATION APX6500		
		1	G361	ADD: P25 TRUNKING SOFTWARE		
		1	G298	ENH: ASTRO 25 OTAR W/ MULTIKEY		
		1	G843	ADD: AES ENCRYPTION APX		
		1	G996	ENH: OVER THE AIR PROVISIONING		
		1	G442	ADD: O5 CONTROL HEAD		
		1	G444	ADD: APX CONTROL HEAD SOFTWARE		
		1	G67	ADD: REMOTE MOUNT MID POWER		
		1	W20	ADD: KEYPAD MIC GCAI		
		1	B18	ADD: AUXILARY SPKR 7.5 WATT		
		1	G89	ADD: NO RF ANTENNA NEEDED		
		1	GA00235	ADD: NO GPS ANTENNA NEEDED		
		1	GA01767	ADD: APX MOBILE RADIO AUTHENTICAT		
		1	GA00236	ADD: 3 DAY KEY RETENTION APX		
		1	GA05100	ENH: STD WARRANTY APPLIES-NO SFS		
		1	GA00814	ADD: DEK FOR WHELEN SIREN		
		1	SVC03SVC0115D	INSTALLATION		

Item	Qty	Qty/Vehicle	Nomenclature	Description	Unit Price	Extended Price
ITEM No. 2.1						
	4	1	M25URS9PW1 N	APX6500 7/800 MHZ MID POWER MOBILE	\$16,194.67	\$64,778.68
		1	G806	ADD: ASTRO DIGITAL CAI OPERATION		
		1	G51	ENH: SMARTZONE OPERATION APX6500		
		1	G361	ADD: P25 TRUNKING SOFTWARE		
		1	G298	ENH: ASTRO 25 OTAR W/ MULTIKEY		
		1	G843	ADD: AES ENCRYPTION APX		
		1	G996	ENH: OVER THE AIR PROVISIONING		
		1	G442	ADD: O5 CONTROL HEAD		
		1	G444	ADD: APX CONTROL HEAD SOFTWARE		
		1	G67	ADD: REMOTE MOUNT MID POWER		
		1	W20	ADD: KEYPAD MIC GCAI		
		1	B18	ADD: AUXILARY SPKR 7.5 WATT		
		1	G89	ADD: NO RF ANTENNA NEEDED		
		1	GA00235	ADD: NO GPS ANTENNA NEEDED		
		1	GA01767	ADD: APX MOBILE RADIO AUTHENTICAT		
		1	GA00236	ADD: 3 DAY KEY RETENTION APX		
		1	GA05100	ENH: STD WARRANTY APPLIES-NO SFS		

Item	Qty	Qty/Vehicle	Nomenclature	Description	Unit Price	Extended Price
		1	GA00814	ADD: DEK FOR WHELEN SIREN		
		1	JC8BBBB	50" Justice Lightbar		
		2	JHALF1	LR11 Alley Lights		
		7	JDLB	LIN6 Blue, Outboard		
		2	JDCC	CON3, White		
		5	JDLA	LIN6, Amber, Outboard		
		1	MKEZ82	Mounting Bracket		
		1	C-VS-0809-CHGR-1	17" VS Equipment Console		
		1	C-EB25-XTL-1P	Equipment Bracket		
		1	C-EB15-HLN-1P	Equipment Bracket		
		1	C-EB25-MMT-1P	Equipment Bracket		
		1	C-EB40-CCS-1P	Equipment Bracket		
		1	C-TTB-CHGR-2	Trunk Tray		
		1	C-CUP2-I	Cup Holder		
		1	C-FP4-MC2	Mic.Clip Bracket		
		1	MBDC11BB	Mirror Beam LED		
		2	MCRNSB	Micron Series LED		
		4	VTX609B	Vertex LED		
		2	SFIONB	Spitfire Ion Series		
		1	CCSRNTA3	Cencom Sapphire w/ T/A module		
		2	SA315P	100W Siren Speaker		
		1	SAK51	Siren Bracket		
		1	SAK52	Siren Bracket		
		80	N/A	14/2 DC Cable		
		3	0984277B01	Fuse Holder		
		2	6500061683	40Amp Fuse		
		1	6500139630	20Amp Fuse		
		40	*4038-2	8gauge Wire Stranded Red		
		30	*10AWG-RED	10gauge Wire Stranded Red		
		1	477469	GPS + Antenna Combo		
		1	INSTALLATION	INSTALLATION		

Total Quote in USD

\$70,462.80



**STATEMENT OF WORK
FOR
INSTALLATION SERVICES
FOR
GovGuam GSA IFB No. GSA-040-17
Quote# MUSFGMDG03355-IA**

Motorola Solutions Inc. will perform the following:

Line Item 1.1

- Motorola will program the one (1) 800MHz AMSS/SmartNet capable Motorola APX6500 Mobile Radio to the programming information provided by the GovGuam Communication System manager.
- Provide the following parts for the install:

Qty.	Description	Part #
1ea	800MHZ 1/2 Wave Mobile Antenna (BMAX-8055)	539578
1ea	GPS Glass Mount Kit (AGPS26GMMMSMA)	321451
1ea	Mini UHF Connector	2880376E84
17ft	Split Loom	SL-250
34ft	Split Loom	SL-375
17ft	Split Loom	SL-500
1ea	Equipment Bracket	C-EB25-XTL-1P
1ea	Equipment Bracket	C-EB25-MMT-1P
1ea	Universal Lip Mount w/ Deluxe Cable Assy.	CP-5NMO

- Motorola will install the GovGuam purchased 800MHz APX6500 Mobile Radio with accessories into GPD's one (1) new 2017 Dodge Durango SUV.
- Motorola will test and configure the above equipment once installed.
- Motorola will perform the install at the Motorola USFGMD Guam depot during Motorola normal business hours (Monday ~ Friday 8am ~ 4:30pm, excluding holidays).

Line Item 2.1

- Motorola will program the four (4) 800MHz AMSS/SmartNet capable Motorola APX6500 Mobile Radio to the programming information provided by the GovGuam Communication System manager.
- Motorola will install the GovGuam purchased 800MHz APX6500 Mobile Radio with accessories into GPD's four (4) new 2017 Dodge Chargers.
- Motorola will test and configure the above equipment once installed.
- Motorola will perform the install at the Motorola USFGMD Guam depot during Motorola normal business hours (Monday ~ Friday 8am ~ 4:30pm, excluding holidays).

GPD is responsible for the following:

- Provide a POC that Motorola will coordinate the installation with
- Provide in a timely manner the programming information for the radio
- Provide all clearances for Motorola to perform its tasks
- Drop-off/Pick-up the vehicles from the Motorola Guam office

Performance Period:

- Performance period is 150 days.

6. CONTRACTUAL PROVISIONS

STANDARD TERMS- APPLICABLE TO ORDERS FROM NON-FAR BASED US FEDERAL GOVERNMENT OR US UNINCORPORATED TERRITORY CUSTOMERS

These terms shall apply to orders and contracts accepted by Motorola, to the exclusion of all other terms in the Customer's ordering documents. Unless agreed otherwise in writing, all orders are final and may not be cancelled by Customer after Motorola initiates performance or otherwise indicates order acceptance. Customer is responsible for assuring that the end user entity is notified of the following terms (such as warranty disclaimers and software license restrictions) that may affect them.

1. DEFINITIONS. "Motorola" and "Seller" shall mean Motorola Solutions, Inc., U.S. Federal Government Markets Division. "Customer" shall mean the legal entity issuing a contract or order. "Agreement" refers to individual purchase orders when accepted by Motorola.

2. DELIVERY, TITLE, SECURITY, INSPECTION AND ACCEPTANCE. Unless otherwise stated, all deliveries are FOB Destination, and title and risk of loss shall pass to Customer upon delivery of the supplies to the initial destination designated by the Customer. Before shipping any unit of Motorola equipment to the Customer, Motorola will perform its standard factory inspection and acceptance tests on the unit. Acceptance of equipment items will be deemed to have occurred upon delivery of the supplies at the initial destination designated by the Customer. The Customer will have the right to conduct its own incoming inspection and test of the equipment for up to seven (7) days from the date of shipment to determine if the equipment conforms to the contract requirements. Upon notification by the Customer and verification by Motorola that the item(s) do not conform to the contract, Motorola shall correct the non-conformance of said item(s) in accordance with Motorola's standard warranty and return of equipment practices. In addition, when an entire system is purchased, system level testing may be performed during implementation in accordance with a mutually agreed upon Acceptance Test Procedure (ATP). If specified in the Motorola system proposal, the warranty period for equipment items that are part of an ordered system will commence upon final system acceptance per the ATP, or six months after shipment of equipment items, whichever is earlier. Motorola shall retain, and Customer hereby grants Motorola, a security interest and right of possession in the products until Customer makes full payment. Customer agrees to cooperate in whatever manner necessary to assist Motorola in perfection of said security interest upon request.

3. PAYMENT. Motorola may invoice for full or partial shipments, and upon completion of any ordered services or proposed milestones. Unless otherwise agreed, payments will be made in U.S. dollars and payment terms will consist of an amount due at time of order acceptance as specified by Motorola in its quotation or proposal, with Net 20 days for the balance, without condition or setoff. In the event any payment is late for any reason whatsoever, interest charges will be payable at the lesser of a) 1.5% per month or b) the maximum amount allowable under law. Motorola may require an amount due at time of contract signing, payment guarantees and security, and/or acceptable credit review as a condition of acceptance of any order. Partial shipments and partial billings are authorized.

4. TAXES. Except as otherwise quoted, the prices set forth in the Agreement are exclusive of any amount for Federal, State and/or Local excise, sales, use, property, retailer's occupation or similar taxes. Our proposed prices do not include taxes on the assumption that this procurement is tax exempt; accordingly, we will require a current tax exemption certificate as part of our acceptance of any orders. If any such excluded tax is determined to be applicable to this transaction, or is not covered by an exemption, and Motorola is required to pay or bear the burden thereof, the prices set forth herein shall be increased by the amount of such tax and any interest or penalty thereon, and Customer shall pay to Motorola the full amount of any such increase no later than ten (10) days after receipt of an invoice therefore.

5. EXCUSABLE DELAY. Motorola shall not be liable for any delay in delivery, or for non-delivery, in whole or in part, or failure to perform caused by the occurrence of any contingency beyond Motorola's reasonable control. In the event Motorola is unable to wholly or partially perform because of any cause beyond its control, Motorola may terminate this agreement in whole or in part without any liability to Customer.

6. INFRINGEMENT CLAIMS

6.1 Motorola Solutions shall indemnify Customer by defending, at its expense, any claim, and any lawsuit to the extent based thereon, that is brought against Customer alleging that any Motorola Solutions-branded product ("Product"), as originally delivered by Motorola Solutions to Customer under this Agreement, directly infringes a patent or copyright registered in the country in which Motorola Solutions originally sold the Product to Customer ("Infringement Claim"), so long as Motorola Solutions is notified in writing by Customer as soon as reasonably practicable as to any such claim, but in no event after Motorola Solutions would be prejudiced by a lack of such notice, is given sole authority and control of the defense, and is provided by Customer all requested information and assistance for resolving or defending the Infringement Claim. To the extent that Customer obtains accused products from multiple suppliers, any obligation to defend and indemnify hereunder shall be limited to a pro-rata cost of defense and remedy or settlement in proportion to the cost to Customer of the Products compared to the cost to customer of all accused products. For non-Motorola Solutions-branded product supplied hereunder, including any third party software, Motorola Solutions' obligations for IP infringement claims shall be limited to any IP indemnities or defense commitments provided by such third party supplier. In addition to Motorola Solutions' obligation to defend, and subject to the same conditions, Motorola Solutions shall pay all damages finally awarded against Customer by a court of competent jurisdiction to the extent based upon such Infringement Claim, or agreed to in writing by Motorola Solutions in settlement of the Infringement Claim. If a Product is subject to an injunction or like remedy or, if in Motorola Solutions' judgment, likely to become subject to an injunction or like remedy, in addition to its obligation to defend and pay damages, Motorola Solutions, in its sole discretion, shall: (a) obtain a license for Customer to continue to use or to sell the Product purchased from Motorola Solutions; (b) replace or modify the Product so as to be substantially functionally equivalent but non-infringing; or (c) require the return of the Product and credit the purchase price paid to Motorola Solutions by Customer for such Product less a reasonable charge for depreciation calculated on a three (3) year straight line depreciation basis. Motorola Solutions shall have no liability to Customer for any alleged or actual infringement, or otherwise, arising out of or in connection with Customer's use or

transfer of Products after Motorola Solutions' written notice to Customer that Customer shall cease use or transfer of such Products.

6.2 Motorola Solutions shall have no obligation to defend or indemnify Customer under this agreement for any damages based upon a per-use royalty or the Customer's revenues, or upon any damages theory other than a reasonable royalty applied to, or lost profits of the patent owner based on, the purchase price paid by Customer to Motorola Solutions for the infringing Product. Motorola Solutions shall have no obligation to defend or indemnify Customer under this agreement for any alleged or actual infringement arising out of (a) use of Products in connection or in combination with equipment, devices or software not provided by Motorola Solutions; (b) use of Products in a manner for which they were not designed; (c) any modification of Products by anyone other than Motorola Solutions; (d) compliance with Customer's designs, specifications, guidelines or instructions; (e) compliance with a standard issued by any public or private standards body; or (f) any assertion by a non-practicing entity which maintains no significant manufacturing capability ((a) – (d) defined as "Excluded Conduct"). Customer shall indemnify Motorola Solutions against any claim of infringement that is brought against Motorola Solutions based upon or arising out of such Excluded Conduct or arising out of Customer's continued use or transfer of Products after being noticed to cease such use or transfer. Motorola Solutions shall have no obligation to defend or indemnify Customer under this agreement for Infringement Claims arising in a dispute initiated by Customer's assertion of Customer intellectual property against a third party. Motorola Solutions shall not be responsible for any compromise or settlement made by Customer without Motorola Solutions' prior written consent.

6.3 THIS SECTION PROVIDES CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES AND MOTOROLA SOLUTIONS' ENTIRE UABIILITY IN THE EVENT OF AN INFRINGEMENT CLAIM. CUSTOMER HAS NO RIGHT TO RECOVER AND MOTOROLA SOLUTIONS HAS NO OBUGATION TO PROVIDE ANY OTHER OR FURTHER REMEDIES, WHETHER UNDER ANOTHER PROVISION OF THIS AGREEMENT OR ANY OTHER LEGAL THEORY OR PRINCIPLE, IN CONNECTION WITH AN INFRINGEMENT CLAIM. IN ADDIDON, THE RIGHTS AND REMEDIES PROVIDED IN THIS SECTION ARE SUBJECT TO AND FURTHER UMITED BY THE RESTRICTIONS SET FORTH IN THE GENERAL UMITATION OF UABIUTY SECTION OF THIS AGREEMENT. IN NO EVENT SHALL MOTOROLA SOLUTIONS BE UABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, COLLATERAL, CONSEQUENTIAL OR PUNIDVE DAMAGES OR LOST PROFITS OF CUSTOMER IN CONNECTION WITH ANY CLAIMS, LOSSES, DAMAGES OR INJURIES UNDER THIS SECTION. IN NO EVENT SHALL MOTOROLA SOLUTIONS' UABIILITY UNDER THIS SECTION

7. LIMITATION OF LIABILITY. This limitation of liability provision shall apply notwithstanding any contrary provision in this Agreement. Except for personal injury or death, Motorola's total liability, whether for breach of contract, warranty, negligence, strict liability in tort, indemnification, or any other cause of action, will be limited to the direct damages recoverable under law, but not to exceed the price of the Equipment, Software, or services with respect to which losses or damages are claimed. ALTHOUGH THE PARTIES ACKNOWLEDGE THE POSSIBILITY OF SUCH LOSSES OR DAMAGES, THEY AGREE THAT MOTOROLA WILL NOT BE LIABE UNDER ANY CIRCUMSTANCES OR LEGAL THEORY FOR DAMAGES RELATED TO. INCONVENIENCE, DOWNTIME, INTEREST, COST OF CAPITAL, FRUSTRATION

OF ECONOMIC OR BUSINESS EXPECTATIONS, LOST PROFITS, LOST REVENUES, LOST SAVINGS, LOSS OF USE, TIME, DATA, OR GOOD WILL, OR ANY SPECIAL, PUNITIVE, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, REGARDLESS OR WHETHER SUCH LOSSES ARE FORESEEABLE. THIS SECTION SURVIVES THE TERMINATION OR EXPIRATION OF THIS AGREEMENT. No action for breach of this Agreement or otherwise relating to the transactions contemplated by this Agreement may be brought more than one (1) year after the accrual of such cause of action, except for money due upon an open account.

8. WARRANTY. AS APPLICABLE, MOTOROLA'S STANDARD COMMERCIAL EQUIPMENT, PARTS, AND SERVICES WARRANTIES, AND ANY WARRANTY OFFERED UNDER ITS SOFTWARE LICENSE AGREEMENT, ARE PROVIDED TO THE ORIGINAL END USER PURCHASER/LICENSEE, NOT TO RESELLERS. THESE WARRANTIES ARE OFFERED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, WHICH ARE SPECIFICALLY EXCLUDED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

9. SOFTWARE. All software and firmware made available by Motorola to Customer will be subject to the terms and conditions of Motorola's Software License Agreement(s) (SLA). The SLA terms will be deemed to be incorporated by reference into each of Customer's purchase orders and will be executed if and when requested by Motorola. The terms of the SLA shall govern in the event of a conflict with any other terms specified in the order as accepted by Motorola. You may transfer (sublicense) the software and firmware only under the conditions specified in Section 9.2 of the SLA.

10. ASSIGNMENT. Except as otherwise provided in this Section, neither Party may assign, delegate or transfer this Agreement or any of its rights or obligations under this Agreement without the prior written consent of the other Party, which consent will not be unreasonably withheld. Any attempted assignment, delegation, or transfer without the necessary consent will be void. Notwithstanding the foregoing, Motorola Solutions may assign this Agreement to any of its affiliates and may assign its right to receive payment under this Agreement without the prior consent of Customer. In addition, for any Motorola Solutions divestiture, sale or other similar transaction (whether by way of merger, asset sale, stock sale, spin-off or otherwise) of a Motorola Solutions business (each a "Sale"), Motorola Solutions may, without the prior written consent of Customer and at no additional cost to Motorola Solutions or to the assignee entity(ies), assign its rights and obligations under this Agreement, in whole or in part, to the assignee entity(ies).

11. PACKAGING AND MARKING. All packaging, packing and marking will be in accordance with Motorola's standard commercial practice.

12. PROPRIETARY INFORMATION. Unless otherwise agreed in writing, all documentation or information provided by Motorola will be considered Motorola Proprietary Information and shall remain Motorola's exclusive property.

13. DISPUTE RESOLUTION. Both parties agree that any claims or disputes, except for claims or disputes relating to intellectual property, will be submitted to non-binding mediation prior to initiation of any formal legal process. Costs of mediation will be shared equally.

14. EXPORT COMPLIANCE. Customer shall comply with all applicable export and re-export laws and regulations of Customer's country and the U.S. Certain of Motorola's communications products may require special licensing. Specifically, but without limitation, Customer agrees that it will not resell or re-export any Motorola products, parts, or associated software or technical data in any form without obtaining appropriate export or re-export licenses from the applicable licensing bodies.

15. QUALITY ASSURANCE. Motorola's standard commercial quality assurance program will be utilized in the production and inspection of all Motorola equipment. Motorola does not commit to meet any specifications or standards except as stated in published specifications. MOTOROLA WILL NOT PROVIDE CERTIFICATES OF CONFORMANCE.

16. GOVERNING LAW. THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED ACCORDING TO THE LAWS OF THE STATE OF ILLINOIS.

17. PRODUCT REPLACEMENTS. Motorola may provide product replacements for ordered parts and accessories for currently manufactured radios as long as the replaced item is the same or better technology and sold at the same price. The invoice will reflect either the actual product shipped or the product ordered and no order modification is required. When replacement parts and accessories are needed for radio products no longer being manufactured, Motorola cannot guarantee that an equivalent or better part or accessory will always be available or that the replacement item found can be sold at the same price. Motorola reserves the right to cancel the ordered item without penalty if the ordered item is no longer available or if Motorola offers the item at a higher price and mutual agreement on price cannot be reached.

18. GENERAL.

SEVERABILITY. If any term or provision of this Agreement shall to any extent be held by a court or other tribunal to be invalid, void or unenforceable, then that term or provision shall be inoperative and void insofar as it is in conflict with law, but the remaining terms and provisions shall nevertheless continue in full force and effect and the rights and obligations of the parties shall be construed and enforced as if this Agreement did not contain the particular term or provision held to be invalid, void, or unenforceable.

Motorola standard warranties and Software License Agreement (SLA) are incorporated herein and made a part hereof, as well as Motorola's supplemental terms for services (if applicable).

Those terms can be found here: https://www.motorolasolutions.com/en_us/non-navigational-pages/federal-standards_terms-conditions.html



