POLICE MEMORANDUM #17-2024

DATE: Nov. 18, 2024

TO: Honorable Mayor Meredith Leighty and City Council Members

THROUGH:

Heather Geyer, City Manager Manager James S. May, Jr., Chief of Police James S. May, J FROM:

CR-171 - Capital Asset Purchase - Police Radios SUBJECT:

PURPOSE

To consider CR-171, a resolution authorizing the City Manager to issue a purchase order to Motorola Solutions for the purchase of 14 APX N50 portable radios.

BACKGROUND

Northglenn Police Department (NPD) has a sole supplier service agreement with Motorola Solutions for radio equipment. This agreement safeguards that radio equipment is consistent and ensures the communication pathway works with the Adams County Communication Center (ADCOM), the communication systems of other local agencies and fire department personnel. Each radio has an approximate 10-year lifespan.

NPD's Motorola account representative has advised that NPD's current radio model, the Motorola 4000, is being discontinued. NPD plans to replace current Motorola model 4000 radios over the next seven years. Following testing, NPD has decided to utilize Motorola's APX N50 radio, which is compatible with ADCOM and other local communication platforms. This radio will provide the necessary operability at a more economical cost. To support NPD's radio replacement plan, NPD would purchase 14 radios in 2025.

BUDGET/TIME IMPLICATIONS

The cost to purchase the 14 APX N50 radios and all accessories is \$84,026.88. These funds are included in NPD's 2025 Budget. There are no time implications.

STAFF RECOMMENDATION

Staff recommends approval of CR-171.

STAFF REFERENCE

If Council Members have any questions, please contact James S. May, Jr., Chief of Police, at jmay@northglenn.org or 303.450.8967.

ATTACHMENTS

- 1. BearCom/Motorola Sole Source Supplier Letter
- 2. Motorola APX N50 Radio Equipment Quote

CR-171 – Capital Asset Purchase – Police Radios

ATTACHMENT 1



Thursday, January 18, 2024

Jeff Herronen Northglenn Police Department 50 W. Community Center Dr. Northglenn, CO 80234

RE: BearCom/Motorola Sole Source

Jeff,

This letter is to confirm that BearCom/Motorola is the certified communications vendor for the Northglenn Police Department and the other municipalities in the State of Colorado. BearCom is the sole source provider for all things Motorola that interface to the statewide radio system. This includes but not limited to dispatch consoles, RF sites, subscriber radios, bi-directional amplifiers, etc.

I would be pleased to address any concerns the Northglenn Police Department may have regarding this letter. Any questions can be directed to me at 970-397-2593 or Philip.Baca@bearcom.com.

Sincerely,

Philip Baca MR Account Manager



QUOTE-2665575 Sarah Verver 2025 APX N50 x14

Billing Address: NORTHGLENN, CITY OF 11701 COMMUNITY CENTER DR NORTHGLENN, CO 80233 US Shipping Address: NORTHGLENN POLICE DEPARTMENT 50 W COMMUNITY CENTER DR NORTHGLENN, CO 80234 US Quote Date:06/04/2024 Expiration Date:11/05/2024 Quote Created By: Wes Chisnall Account Manager wes.chisnall@bearcom.com 970-590-3461

End Customer: NORTHGLENN, CITY OF Sarah Verver sverver@northglenn.org 303-450-8879

Contract: 19860 - NASPO 00318 Payment Terms:30 NET

Summary:

Any sales transaction resulting from Motorola's quote is based on and subject to the applicable Motorola Standard Terms and Conditions, notwithstanding terms and conditions on purchase orders or other Customer ordering documents. Motorola Standard Terms and Conditions are found at www.motorolasolutions.com/product-terms.

Line #	Item Number	Description	Qty	Term	List Price	Sale Price	Ext. Sale Price
	APX™ N50	APX N50					
1	H25UCF9PW6AN	APX N50 7/800 MODEL 2 PORTABLE	14		\$3,267.00	\$2,384.91	\$33,388.74
1a	QA08681AA	ALT: 7800 STUBBY 762-870MHZ	14		\$28.60	\$20.88	\$292.32
1b	QA08853AA	ADD: CPS ENABLEMENT	14		\$0.00	\$0.00	\$0.00
1c	QA01648AA	ADD: HW KEY SUPPLEMENTAL DATA	14		\$6.00	\$4.38	\$61.32
1d	QA00580BA	ADD: TDMA OPERATION	14		\$495.00	\$361.35	\$5,058.90
1e	G996AU	ADD: PROGRAMMING OVER P25 (OTAP)	14		\$110.00	\$80.30	\$1,124.20
1f	QA01833AH	ADD: EXTREME 1-SIDED NOISE REDUCTION	14		\$28.00	\$20.44	\$286.16
1g	QA08676AA	ADD: ADAPTIVE SPEAKER VOLUME	14		\$165.00	\$120.45	\$1,686.30
1h	QA09001AM	ADD: WIFI CAPABILITY	14		\$330.00	\$240.90	\$3,372.60
1i	QA09006AA	ADD: ADAPTIVE NOISE SUPPRESSION	14		\$165.00	\$120.45	\$1,686.30



\$84,026.88(USD)



Line #	Item Number	Description	Qty	Term	List Price	Sale Price	Ext. Sale Price
1j	QA09007AD	ADD: OUT OF THE BOX WIFI PROVISIONING	14		\$0.00	\$0.00	\$0.00
1k	Q629BD	ENH: AES ENCRYPTION AND ADP	14		\$523.00	\$381.79	\$5,345.06
11	H869DB	ENH: MULTIKEY	14		\$363.00	\$264.99	\$3,709.86
1m	QA02756AB	ENH: 3600 OR 9600 TRUNKING BAUD SINGLE SYSTEM	14		\$1,727.00	\$1,260.71	\$17,649.94
1n	QA09113AA	ADD: BASELINE RELEASE SW	14		\$0.00	\$0.00	\$0.00
2	LSV01S03084A	APX N50/30 DMS ESSENTIAL	14	3 YEARS	\$158.40	\$158.40	\$2,217.60
3	PSV01S03059A	APX NEXT PROVISIONING WITH CPS	1		\$0.00	\$0.00	\$0.00
4	PMMN4142A	XVP730 REMOTE SPEAKER MICROPHONE NO CHANNEL KNOB, FOR APX N RADIOS	14		\$486.00	\$354.78	\$4,966.92
5	PMPN4820A	CHGR DESKTOP SINGLE UNIT IMPRES 2 EXT PS US	14		\$85.71	\$62.57	\$875.98
6	PMNN4816A	BATT IMPRES 2 LIION IP68 3200T	14		\$225.50	\$164.62	\$2,304.68

*Upfront costs include the cost of Hardware, Accessories and Implementation, where applicable.

Notes:

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Motorola's quote (Quote Number: _____ Dated: _____) is based on and subject to the terms and conditions of the valid and executed written contract between Customer and Motorola (the "Underlying Agreement") that authorizes Customer to purchase equipment and/or services or license software (collectively "Products"). If no Underlying Agreement exists between Motorola and Customer, then the following Motorola's Standard Terms of use and Purchase Terms and Conditions govern the purchase of the Products which is found at http://www.motorolasolutions.com/product-terms.

The Parties hereby enter into this Agreement as of the Effective Date.

Motorola Solutions, Inc. Customer Name:





QUOTE-2665575 Sarah Verver 2025 APX N50 x14

Title:	Title:
Date:	Date:

Unless otherwise noted, this quote excludes sales tax or other applicable taxes (such as Goods and Services
Tax, sales tax, Value Added Tax and other taxes of a similar nature). Any tax the customer is subject to will be
added to invoices.





APX N50 Portable Radio Solution Description

OVERVIEW

The APX N50 offers affordable, next generation communications for without compromising P25 interoperability or voice and data quality. It offers a durable design with "pick-up-and-go" functionality, optimizing ease-of-use and focused communications in almost all environments.

DURABLE AND EASY TO USE

The APX N50 enhances operations with a front display with an upgraded user interface for better readability and loud and clear audio for reliable, everyday use. Additionally, it offers extended battery life, a shorter antenna, and Bluetooth compatibility with audio accessories, promoting efficient communications between first responders.

Adaptive Audio

For first responders in loud environments, the APX N50 offers adaptive audio that enhances voice quality and minimizes background noise. The APX N50 includes two High Dynamic Range (HDR) microphones with high overload point pickup that reproduces voice with clarity and reduces audio clipping and distortion, even when shouting. The radio has custom speakers that use noise cancellation technology to amplify loud and clear audio, and help make every syllable intelligible.

An enhanced audio engine dynamically adjusts the N50 in any environment by using algorithms to filter out unpredictable background noise and wind while using multiple microphones to track voice from every angle, allowing first responders to speak into the radio without compromising voice quality. Additional environmentally aware audio features receive volume leveling and noise sensing volume control—the radio will automatically adjust for loud or soft talkers and the changing ambient noise levels. These features allow first responders to keep their eyes forward and remain focused on situations as they unfold.



Essential and Secure P25 Communications

The APX N50 is certified compliant with P25 standards and supports digital and analog trunking, FDMA and TDMA, and Integrated Voice and Data. All P25 communications over the N50 are safe and secure—it offers software and hardware encryption, single- and multi key encryption, and P25 Authentication, protecting communications during daily operations.

Reliable Connectivity

Using the APX N50 lets first responders stay connected across disparate networks. It is equipped with Wi-Fi®, Bluetooth®, and GPS features, bringing future-ready applications, services, and best-in-class connectivity to everyday use. APX N50 radios support 7/800 MHz frequency bands across radio systems, with minimal intervention by the radio user.





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SmartConnect over Wi-Fi

SmartConnect is a subscription service that allows first responders to access critical intelligence no matter where the mission takes them. When P25 networks are unavailable, the APX N50 will maintain functionality and voice quality by automatically switching to an available broadband network, enabling connectivity outside of radio system coverage. Voice information and signals between radios and control are encrypted, ensuring that all transmissions are secure.

The APX N50 can use SmartConnect when directly connected to Wi-Fi hotspots, through an in-vehicle LTE modem, or over a satellite connection. Additionally, the radio will indicate to users when SmartConnect is active by displaying a blue bar on-screen.

Managing and Provisioning Devices

APX N50 can be programmed in two ways: one-at-a-time through Customer Programming Service ("CPS") or through a combination of CPS and batch programming over Wi-Fi available with the radio management ("RM") software.

CPS is a proprietary, Windows-based application, used to configure APX subscriber radios in offline situations that include provisioning, networking, and monitoring tools that provide greater awareness and faster radio management. The CPS application offers drag-and-drop, clone-wizard, and basic import/export functions that allow the addition of new software and feature enhancements. APX N radios can be programmed one-at-a-time on a local PC, via secure USB port connection, with TLS-PSK based encryption. Once loaded, subscriber radios are read and edited, and codeplugs and templates can be saved and duplicated to program other fleet radios

Batch Programming is available through the RM software for simultaneous programming and upgrading throughout the radio fleet. With Batch Programming, up to 16 radios can be programmed at once over a Wi-Fi connection. This reduces programming time and ensures that the radio fleet is always up-to-date and ready-to-use in the field.

Device Management Services

Device Management Services ("DMS") packages provide programming, management, and maintenance services to maximize the effectiveness of this APX N50 solution, while reducing maintenance risk, workload, and total cost of ownership. DMS tackles a range of customer needs, whether the solution is self-maintained or managed by Motorola Solutions.





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APX N-Series Device Management Services - Essential Statement Of Work

OVERVIEW

Device Management Servces ("DMS") efficiently maintains the Customer's device fleet while helping to keep devices up-to-date and fully operational in the field.

DMS Essential services provide basic hardware and software support.

This Statement of Work ("SOW"), including all of its subsections and attachments is an integral part of the applicable agreement ("Agreement") between Motorola Solutions, Inc. ("Motorola Solutions") and Customer ("Customer").

In the event of a conflict between the terms and conditions of the Agreement and the terms and conditions of this SOW, this SOW will control as to the inconsistency only. The SOW applies to the device specifically named in the Agreement.

HARDWARE REPAIR

Hardware Repair provides repair coverage for internal and external device components that do not work in accordance with published specifications. Repair services are performed at a Motorola Solutions-operated or supervised facility. The device will be repaired to bring it to compliance with its specifications, as published by Motorola Solutions at the time of delivery of the original device.

For malfunctioning devices that must be replaced, Motorola Solutions will attempt to read the codeplugs from those devices. If successful, Motorola Solutions will load the codeplug to any replacement devices. If not, Motorola Solutions will load a factory codeplug, and the Customer will need to load the previous codeplug.

Motorola Solutions will load factory available firmware to any replacement devices, which may not match the Customer's firmware version.

MOTOROLA SOLUTIONS RESPONSIBILITIES

- · Repair or replace malfunctioning device, as determined by Motorola Solutions.
- Complete repair or replacement with a turnaround time of five business days in-house, provided the device is delivered
 to the repair center by 9:00 a.m. (local repair center time). Turnaround time represents thetime a product spends in the
 repair process, and does not include time in transit to and from the Customer's site. Business days do not include US
 holidays or weekends.
- If applicable, apply periodically-released device updates, in accordance with an Engineering Change Notice.
- Provide two-way air shipping when a supported Motorola Solutions electronic system, such as MyView Portal, is used to initiate a repair. A shipping label will be generated via the electronic system.

CUSTOMER RESPONSIBILITIES

- For non-contiguous renewals, Customer must provide a complete list, preferably in electronic format, of all hardware serial numbers to be covered under the Agreement to Motorola Solutions.
- · Initiate device repairs, as needed.
 - When initiating a repair via a supported Motorola Solutions electronic system, label each package correctly with the shipping label and Return Material Authorization ("RMA") number generated by the electronic system.
 - When initiating a repair via paper Return Material Form ("RMF"), the RMF must be completed for each device, included in the package with the device, and shipped to the Motorola Solutions depot specified on the RMF.





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- Remove any data or other information from the device that the Customer wishes to destroy or retain prior to sending the
 device for repair.
- If a malfunctioning device must be replaced and the Customer has loaded information for that device to Motorola Solutions' cloud environment, the Customer will need to remove the information for the malfunctioning device and add information for the replacement device to the applicable cloud environment.

LIMITATIONS AND EXCLUSIONS

The Customer will incur additional charges at the prevailing rates for any activities that are not included or are specifically excluded from this service scope, as described below. Motorola Solutions will notify the Customer and provide a quotation of any incremental charges related to such exclusions prior to completing the repair and said repair will be subject to Customer's acceptance of the quotation.

- Replacement of consumable parts or accessories, as defined by product, including but not limited to batteries, cables, and carrying cases.
- · Repair of problems caused by:
 - Natural or manmade disasters, including but not limited to internal or external damage resulting from fire, theft, and floods.
 - Third-party software, accessories, or peripherals not approved in writing by Motorola Solutions for use with the
 device
 - Using the device outside of the product's operational and environmental specifications, including improper handling, carelessness, or reckless use.
 - Unauthorized alterations or attempted repair, or repair by a third party.
- Non-remedial work, including but not limited to administration and operator procedures, reprogramming, and operator or user training.
- Problem determination and/or work performed to repair or resolve issues with non-covered products. For example, any
 hardware or software products not specifically listed on the service order form are excluded from service.
- · File backup or restoration.
- Completion and test of incomplete application programming or system integration if not performed by Motorola Solutions and specifically listed as covered.
- Accidental damage, chemical or liquid damage, or other damage caused outside of normal device operating specifications, except if optional Accidental Damage Coverage was purchased.
- Cosmetic imperfections that do not affect the functionality of the device.
- Software support for unauthorized modifications or other misuse of the device software is not covered.

Motorola Solutions is not obligated to provide support for any device that has been subject to the following:

- Repaired, tampered with, altered or modified (including the unauthorized installation of any software) except by Motorola Solutions authorized service personnel.
- Subjected to unusual physical or electrical stress, abuse, or forces or exposure beyond normal use within the specified operational and environmental parameters set forth in the applicable product specification.
- If the Customer fails to comply with the obligations contained in the Agreement, the applicable software license agreement, and Motorola Solutions terms and conditions of service.

DEVICETECHNICAL SUPPORT

Motorola Solutions' Device Technical Support service provides telephone consultation for device and accessory issues. Support is delivered through the Motorola Solutions Centralized Managed Support Operations ("CMSO") organization by a staff of technical support specialists.

For Device Technical Support, Motorola Solutions will respond to calls within two (2) hours during the support days. Support hours are 7 a.m. to 7 p.m. CST Monday through Friday, excluding US holidays. In addition, Customers may





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contact the Call Management Center (800-MSI-HELP) at any time (24 hours a day, seven days a week) and a Motorola Solutions representative will log a technical request in Motorola Solutions Case Management System on the Customer's behalf.

MOTOROLA SOLUTIONS RESPONSIBILITIES

- Provide technical support for devices, assessing and troubleshooting reported issues.
- Receive and log Customer support requests, and assign a technical representative to respond to a Customer incident
 per the defined timeframes.

CUSTOMER RESPONSIBILITIES

- · Use the provided methods to contact Motorola Solutions technical support.
- Provide sufficient information to allow Motorola Solutions technical support agents to diagnose and resolve Customer issues
- · Provide contact information for field service technicians in the event that Motorola Solutions has to follow up.

LIMITATIONS AND EXCLUSIONS

· Device support does not include Land Mobile Radio ("LMR") network, Wi-Fi, and LTE network troubleshooting.

Software Maintenance

Motorola Solutions is continually developing new features and functionality for our portfolio of public-safety-grade radios. By purchasing software maintenance, the Customer can take advantage of these firmware releases and future-proof their communications investment.

MOTOROLA SOLUTIONS RESPONSIBILITIES

- · Test all firmware releases to minimize software defects.
- · Announce new firmware releases and post release notes in a timely manner via MyView Portal.
- Provide firmware updates. Motorola Solutions makes no guarantees as to the frequency or timing of firmware updates.
- · Provide upgrade capability through supported Programming Tools.
- Provide programming and service tools and technical support through the firmware support window.
- · Provide documentation via MyView Portal with each release detailing new features, bug fixes, and any known issues.

CUSTOMER RESPONSIBILITIES

- · Periodically check MyView Portal for firmware update announcements.
- Keep the radio fleet updated with firmware versions within the support window.

MyView Portal Access

MyView Portal is the single location to track the status of subscriptions and service contracts, including start and end dates. This portal includes order, RMA, and technical support ticket status, as well as a consolidated download site for software and documentation.

Outside of pre-announced maintenance periods, MyView Portal will be available on a best effort 24/7 basis. Motorola Solutions cannot guarantee the availability of Internet networks outside of our control.





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MOTOROLA SOLUTIONS RESPONSIBILITIES

- · Provide a web accessible, secure portal to view the Customer's data.
- · Provide the Customer with login credentials for the site.
- · Provide end-user training for the site.
- Provide technical support to answer end user questions between the hours of 8 a.m. to 5 p.m. CST Monday through Friday, excluding US holidays.
- · Keep the site updated with the latest Customer information.

CUSTOMER RESPONSIBILITIES

- Provide Motorola Solutions with contact information for administrative users.
- · Administer user access.
- Provide Internet access for users to access the site.
- · Attend available MyView Portal training.
- · Protect login information against unauthorized use.
- · Provide Motorola Solutions with updated equipment information, as needed.



Sarah Verver

From:

Wes Chisnall < Wes. Chisnall@bearcom.com >

Sent:

Friday, September 6, 2024 8:08 AM

To:

Sarah Verver RE: 2025 order

Subject:

Attachments:

Sarah Verver 2025 APX N50 x14 09.06.2024.pdf

Of course.

Quote attached.

Wes

Wes Chisnall Senior Account Executive



3901 West Service Road Evans, CO 80620 970-590-3461: Cell

970-330-9415 x28614: Office

970-330-3632: Fax www.BearCom.com

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From: Sarah Verver <sverver@northglenn.org> Sent: Thursday, September 5, 2024 9:55 AM To: Wes Chisnall < Wes. Chisnall@bearcom.com>

Subject: RE: 2025 order

Perfect, can you please send me a quote for the N50 radio (copy last order), for a quantity of 14.

Thank you, Sarah

From: Wes Chisnall < Wes. Chisnall@bearcom.com> Sent: Wednesday, September 4, 2024 8:53 AM To: Sarah Verver < sverver@northglenn.org >

Subject: RE: 2025 order

Good morning.

Yes. We can place the order now and I can mark it ship complete and ship in January.

Wes

Wes Chisnall Senior Account Executive



3901 West Service Road Evans, CO 80620 970-590-3461: Cell

970-330-9415 x28614: Office

970-330-3632: Fax www.BearCom.com

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From: Sarah Verver < sent: Wednesday, September 4, 2024 7:19 AM
To: Wes Chisnall wes.Chisnall@bearcom.com

Subject: 2025 order

Hi Wes,

Finance has approved me to start my PO for our 2025 radio order anticipating the long lead time. Same as last year, can you confirm nothing will ship/arrive until Jan of 2025 as I will be unable to process the payment until then since technically it's a 2025 budget.

Sarah Verver

Administrative Technician for Deputy Chief Darlin, Police Support, & Training

Hours: Monday-Thursday, 6 am to 4:30 pm MST

P: 303.450.8879 F: 303.252.3850

sverver@northglenn.org

50 W. Community Center Drive Northglenn, CO 80234-3308

www.northglenn.org



SPONSORED BY: MAYOR LEIGHTY COUNCIL MEMBER'S RESOLUTION RESOLUTION NO. No._____CR-171 Series of 2024 Series of 2024 A RESOLUTION AUTHORIZING THE CITY MANAGER TO ISSUE A PURCHASE ORDER FOR A TOTAL AMOUNT NOT TO EXCEED \$84,026.88 FOR THE PURCHASE OF POLICE **DEPARTMENT RADIOS** BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTHGLENN, COLORADO, THAT: The City Manager is hereby authorized to issue a Purchase Order to Section 1. Motorola Solutions, Inc. in an amount not to exceed \$84,026.88 for the purchase of fourteen (14) Motorola APX N50 police radios and accessories for the Police Department. DATED at Northglenn, Colorado, this day of , 2024. MEREDITH LEIGHTY Mayor ATTEST: JOHANNA SMALL, MMC City Clerk APPROVED AS TO FORM: COREY Y. HOFFMANN

City Attorney