

Capital Project Request Form



Request Type: Capital Request On Budgeted

Department: Date:

Title of Request:

Department Priority

Linked to another project? Yes No

Project Request is: New Replacement Modification
Estimated Useful Life:

This is a limited field, please attach documents for more detail.

Description:

Basis of Cost: Quote Bid Estimate
Total Cost

Revenue (if any) Net Cost



Will there be additional costs in future years to complete this project?

select one: Yes No
If yes, amount?

Finance: Account

Send to Department Date:

Approved up to \$54,401 UNBdskc
La Communication Project

Age	Qty
 TMB NR  JFW 9/25 V	



4410 Custer Street • Manitowoc, WI 54220-1126
Phone (920) 682-6989 • 1-800-269-3191 • Fax (920) 682-6027
www.franksradioservice.com Corporate E-mail: frankradio@power.com.net

June 1, 2020

Dear Mr. Koch,

This is a follow up to our conversation about the City of Manitowoc Fire Department Spectra-Tac Comparator that is located in the Evergreen Tower.

The Comparator takes the receive signals from the Evergreen Tower, Viebahn Tower and North 8th Street receivers, compares it and repeats the best signal on the MFD Main Repeater.

Motorola's last production day of this unit was October 6th, 2009. Even though Motorola Product Support cancelled support on this product around 2015, Frank's Radio was still able to get replacement parts should service be required under the MFD/FRSI Radio Service Agreement. With the depletion of available parts, and system migration over to the MLC8000 Comparator, Frank's Radio can no longer provide Service Contract Support on this unit. Frank's Radio can still offer T/M support on this product should a failure occur based on parts availability.

Motorola will be cancelling all support on the Quantar Repeater Stations (MFD Main Repeater) as of December 31, 2020. Should the Main Repeater Fail (as did with the fire in the building) we will no longer be able to get replacement parts. This could result in the MFD system being down for an extended time until new equipment can be received in.

Motorola had cancelled support on the XTS/XTL subscriber equipment as of December 31, 2019. I've attached the Motorola cancellation matrix.

If I can be of further assistance, please feel free to contact me.

Regards,
Jeff Frank

Product Name	Model Number	Description	Product Type	Cancellation Date	Replacement Model Number(if applicable)	Last Order Date	Last Ship Date	End of Support
XTS 2500	H46KDC9PW5_N, H46KDD9PW5_N, H46KDF9PW5_N, H46KDHPW7_N, H46KDC9PW5_N, H46KDD9PW5_N, H46KDF9PW5_N, H46KDHPW7_N, H46SDC9PW5_N, H46SDD9PW5_N, H46SDF9PW5_N, H46SDHPW7_N, H46UCC9PW5_N, H46UCD9PW2_N, H46UCF9PW5_N, H46UCF9PW2_N, H46UCF9PW5_N, H46UCH9PW7_N, H46UCH9PW7_N, H46WCO9PW5_N, H46WCH9PW7_N	VHF, UHF, 7.5, 900	Subscriber	10/31/2014	APX 6000, APX 6000XE, APX 6000LI	10/01/2014	11/30/2014	2019



QUANTAR PLATFORM

Quantar Base Station/Quantar Receiver/ASTRO-TAC Satellite Receiver (All Bands-UHF/VHF/800/900)

INTENT-TO-CANCEL NOTICE

OVERVIEW

This Intent to Cancel Notice has been updated to reflect an extension in Service Support Dates

Quantar Platform Cancellation –All bands, system types, and options are impacted:

- T5365 or C99ED/001C (Quantar Base Station/Repeater)
 - This includes High Power Booster, SECURENET, and Data Base Station configurations
- T5367 (Quantar Receiver)
- T5589 (ASTRO-TAC Satellite Receiver)
- Software and Hardware Upgrades to existing units are NOT being cancelled at this time

Orders for Quantar Base Station/Receivers and ASTRO-TAC Satellite Receivers will be accepted per the schedule below:

Quantar Family Product - All Bands and Systems	Last Order Date	Last Ship Date
Quantar Base Station, Receiver, ASTRO-TAC Satellite Receiver	9/30/2011	12/31/2011

MODELS/ OPTIONS CANCELLATION ROLLOUT

- The Quantar Base station, Quantar Receiver, and ASTRO-TAC Satellite Receiver will be replaced by the G-Series Base Station and Receiver.
- The MTR3000 station is also an alternative solution for certain Analog Conventional, and Digital (MOTOTRBO) Trunking applications.
- Note: The Quantar Base Station, Quantar Receiver, and ASTRO-TAC Satellite Receiver are included in the U.S. Government Services Administration contract (GSA).



REPLACEMENT PRODUCT

Please see details below for the planned replacement timeframes based on system type:

System Type	GTR 8000 Station	GPW 8000 Receiver	MTR3000 Station
ASTRO 25 Trunking	Available Now	**	N/A
ASTRO Digital Conventional	**	**	N/A
MOTOTRBO Digital Conventional	N/A	N/A	UHF - Q1, 2010 800/900 ** VHF **
Analog Conventional	**	**	UHF - Q1, 2010 800/900 ** VHF **
Mixed-Mode ASTRO Conventional	**	**	N/A
Analog Trunking (SN/SZ)*	No Replacement	No Replacement	N/A
Digital Trunking (SN/SZ)*	No Replacement	No Replacement	N/A

- * Analog and Digital SMARTNET and SmartZone systems will reach the end of their system lifecycles for adding new channels at the end of 2011. No replacement will be available.
- ** Please contact your Motorola sales representative for product availability.

CUSTOMER CANCELLATION IMPACT

- The Quantar Base Station/Receiver and ASTRO-TAC Satellite Receiver (all bands-UHF/VHF/800MHz/900MHz) cancellation is effective in ALL regions (North America, Latin America, Asia Pacific, Europe, Middle East, Africa, and Israel) where product models and corresponding hardware options and accessories are sold.

SERVICE IMPLICATIONS OF CANCELLATION

- Commercially reasonable efforts will be made for aftermarket product support for the Quantar Base Station/Receiver & ASTRO-TAC Satellite Receiver through December 31, 2020 via the Customer Fulfillment Centers (CFC).

Quantar Product Family	Last Shipment Date	Service Support End Date
Quantar Base Station/Receiver & ASTRO-TAC Satellite Receiver	12/31/2011	12/31/2020*

*please note that this date has been extended from 12/31/2018 as of 1/1/12



CONTACT INFORMATION

- For service or support inquiries, please contact your local team or contact Motorola Solutions Customer Fulfillment Center
 - In the US, call 1-800-422-4210
 - In Canada, call 1-800-543-3222
 - In Latin America, Asia, Middle East, and Europe, call 1-847-538-8023
 - Federal Inquiries, call 1-800-826-1913



Estimate

Date	Estimate No.
6/3/2020	2020-196

4410 Custer Street • Manitowoc, WI 54220-4126

Phone 920-682-5989 • 1-800-269-3191 • Fax 920-682-6027

www.franksradioservice.com Corporate E-mail: frankradio@franksradioservice.com

Bill To:

MANITOWOC FIRE DEPT CITY OF
900 QUAY STREET
MANITOWOC, WI 54220

Ship To:

MANITOWOC FIRE DEPT CITY OF
911 FRANKLIN STREET
MANITOWOC, WI 54220

Terms	REP
Net 30 Days From In...	JWI'

Qty. Quoted	Item Description	U/M	MRS Price	Unit Price	Extended Price
1	2021 Budget Only. Replacing current MFD Main Voted repeater system. Evergreen Repeater N 8th Receiver Viebahn Tower Receiver Spectra Tac Voting system. Pricing is for budget purpose only. Pricing or discounts may change at time of order.	ea	0.00	43,451.00	43,451.00

Subtotal \$43,451.00

Sales Tax (5.0%) \$0.00

Total \$43,451.00

Print Name: X _____

Customer Signature: X _____

1. Quotation is valid for 25 days.
2. New Customer orders may require a deposit.
3. Our Standard Terms and Conditions Apply.
4. Special order items are non-returnable and may not be canceled once ordered from supplier.



MOTOROLA SOLUTIONS

Quote Number: QU0000506470
Effective: 22 MAY 2020
Effective To: 21 JUL 2020

Bill-To:

MANITOWOC FIRE DEPT
900 QUAY ST
MANITOWOC, WI 54220
United States

Ultimate Destination:

MANITOWOC FIRE DEPT
900 QUAY ST
MANITOWOC, WI 54220
United States

Attention:

Name: Karl Koch
Phone: 920.686.6540

Sales Contact:

Name: Jeff Frank MR
Email: franksradio@franksradioservice.com
Phone: 9206825989

Contract Number: 11-162200/CB
Freight terms: FOB Destination
Payment terms: Net 30 Due

Item	Quantity	Nomenclature	Description	Your price	Extended Price
1	1	T7562A	DIGITAL SMARTZONE	-	-
1a	10	W969BJ	ENH: MULTI KEY OPERATION	\$380.00	\$3,800.00

Total Quote in USD

\$3,800.00

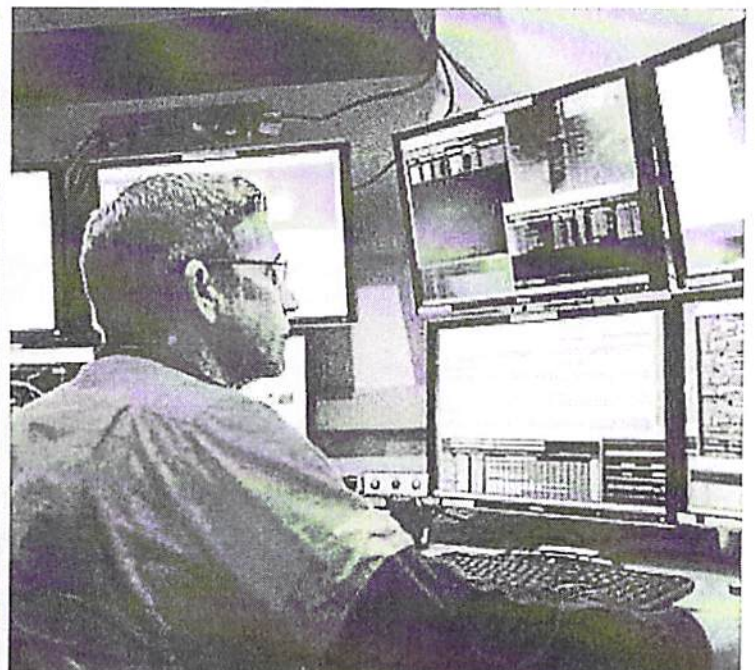
Price does not include \$125pr-unit flash upgrade and programming for Multi-key

THIS QUOTE IS BASED ON THE FOLLOWING:

- 1 This quotation is provided to you for information purposes only and is not intended to be an offer or a binding proposal.
- If you wish to purchase the quoted products, Motorola Solutions, Inc. ("Motorola") will be pleased to provide you with our standard terms and conditions of sale (which will include the capitalized provisions below), or alternatively, receive your purchase order which will be acknowledged.
- Thank you for your consideration of Motorola products.
- 2 Quotes are exclusive of all installation and programming charges (unless expressly stated) and all applicable taxes.
- 3 Purchaser will be responsible for shipping costs, which will be added to the invoice.
- 4 Prices quoted are valid for thirty(30) days from the date of this quote.
- 5 Unless otherwise stated, payment will be due within thirty days after invoice. Invoicing will occur concurrently with shipping.

MOTOROLA DISCLAIMS ALL OTHER WARRANTIES WITH RESPECT TO THE ORDERED PRODUCTS, EXPRESS OR IMPLIED INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

MOTOROLA'S TOTAL LIABILITY ARISING FROM THE ORDERED PRODUCTS WILL BE LIMITED TO THE PURCHASE PRICE OF THE PRODUCTS WITH RESPECT TO WHICH LOSSES OR DAMAGES ARE CLAIMED. IN NO EVENT WILL MOTOROLA BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



MANITOWOC FIRE DEPT

APX8500

05/22/2020



QUOTE-1284138

05/22/2020

MANITOWOC FIRE DEPT
900 QUAY ST
MANITOWOC, WI 54220

RE: Motorola Quote for APX8500
Dear Karl Koch,

Motorola Solutions, Inc. is pleased to present MANITOWOC FIRE DEPT with this quote for quality communications equipment and services. The development of this quote provided us the opportunity to evaluate your requirements and propose a solution to best fulfill your communications needs.

This information is provided to assist you in your evaluation process. Our goal is to provide MANITOWOC FIRE DEPT with the best products and services available in the communications industry. Please direct any questions to Jeffrey Frank at frankradio@frankradioservice.com.

We thank you for the opportunity to provide you with premier communications and look forward to your review and feedback regarding this quote.

Sincerely,

Jeffrey Frank

Motorola Solutions Manufacturer's Representative



QUOTE-1284138
APX8500

Billing Address:
MANITOWOC FIRE DEPT
900 QUAY ST
MANITOWOC, WI 54220
US

Quote Date:05/22/2020
Expiration Date:08/20/2020
Quote Created By:
Jeffrey Frank
frankradio@
frankradioservice.com

End Customer:
MANITOWOC FIRE DEPT
Karl Koch
920.686.6540

Contract: 24752 - WCA

Summary:

Estimate does not include Template Set-up \$135
Estimate does not include install.

Line #	Item Number	Description	Qty	List Price	Sale Price	Ext. Sale Price
1	M37TXS9PW1AN	APX8500 ALL BAND HP MOBILE	1	\$5,620.00	\$4,102.60	\$4,102.60
1a	QA01648AA	ADD: HW KEY SUPPLEMENTAL DATA	1	\$5.00	\$3.65	\$3.65
1b	G51AT	ENH:SMARTZONE	1	\$1,500.00	\$1,095.00	\$1,095.00
1c	GA01606AA	ADD: NO GPSWI-FI ANTENNA NEEDED	1	\$0.00	\$0.00	\$0.00
1d	GA05100AA	ADD: STD WARRANTY - NO ESSENTIAL	1	\$0.00	\$0.00	\$0.00
1e	B18CR	ADD: AUXILIARY SPKR 7.5 WATT APX	1	\$60.00	\$43.80	\$43.80
1f	G843AH	ADD: AES ENCRYPTION AND ADP	1	\$475.00	\$346.75	\$346.75
1g	G89AC	ADD: NO RF ANTENNA NEEDED	1	\$0.00	\$0.00	\$0.00
1h	G442AJ	ADD: APX O5 CONTROL HEAD	1	\$432.00	\$315.36	\$315.36
1i	G444AH	ADD: APX CONTROL HEAD SOFTWARE	1	\$0.00	\$0.00	\$0.00



Motorola's quote 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 Motorola's Standard Terms of use and Purchase Terms and Conditions govern the purchase of the Products.

Line #	Item Number	Description	Qty	List Price	Sale Price	Ext. Sale Price
1j	GA01517AA	DEL: NO J600 ADAPTER CABLE NEEDED	1	\$0.00	\$0.00	\$0.00
1k	G806BL	ENH: ASTRO DIGITAL CAI OP APX	1	\$515.00	\$375.95	\$375.95
1l	W22BA	ADD: STD PALM MICROPHONE APX	1	\$72.00	\$52.56	\$52.56
1m	W969BG	ADD: MULTIKEY OPERATION	1	\$330.00	\$240.90	\$240.90
1n	G361AH	ENH: P25 TRUNKING SOFTWARE APX	1	\$300.00	\$219.00	\$219.00
2	EQ000103A01	MULTIPLEXER, ALL BAND, APX8500	1	\$180.00	\$131.40	\$131.40
3	HAF4013A	7/8/900 MHZ WIDEBAND LOW PROFILE, 3DB GAIN THROUGH HOLE NMO MOUNT	1	\$43.00	\$31.39	\$31.39
4	CB000091A03	CABLE, COAXIAL, QMA PLUG TO MINI-UHF JACK CONNECTOR	3	\$52.32	\$41.86	\$125.58
5	CB000091A02	CABLE, COAXIAL, CABLE, COAXIAL, QMA PLUG TO QMA PLUG CONNECTOR	1	\$32.00	\$25.60	\$25.60
6	HAD4008A	UNITY GAIN ANTENNA QUARTERWAVE VHF 150.8-162 - ROOF MOUNT	1	\$24.00	\$17.52	\$17.52
7	HAE4003A	UNITY GAIN ANTENNA UHF 450-470 QUARTERWAVE - ROOF MOUNT	1	\$21.50	\$15.70	\$15.70

Grand Total

\$7,142.76(USD)

*This was quoted as a Tri-band radio.
 If a Dual-Band is ordered - deduct \$575.00*



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