

110618

**VILLAGE OF LOMBARD**  
**REQUEST FOR BOARD OF TRUSTEES ACTION**  
**For Inclusion on Board Agenda**

District: All

- Resolution or Ordinance (Blue)
- Recommendations of Boards, Commissions & Committees (Green)
- Other Business (Pink)

**TO :** PRESIDENT AND BOARD OF TRUSTEES

**FROM:** David A. Hulseberg, Village Manager *dah*

**DATE :** September 26, 2011 **B of T:** October 6, 2011

**SUBJECT:** A Resolution authorizing the Village President and Village Clerk to sign a change order for the DuPage Emergency Dispatch Interoperable Radio System for the Starcom Radio Project

**SUBMITTED BY:** Patrick Rollins, Deputy Chief of Police

**BACKGROUND/POLICY IMPLICATIONS:**

This resolution would authorize the Village President and Village Clerk to sign off on a change order with the DuPage ETSB/DuComm for the additional purchase of twelve mobile police radios. This change order allows the police department to maintain the same radio communication level as it exists today in the same specific police vehicles under the new radio project with enhanced features.

**Fiscal Impact/Funding Source:**  
See attached memorandum.

Review (as necessary):

Finance Director	<i>[Signature]</i>	Date	<u>9/28/11</u>
Village Manager	<i>[Signature]</i>	Date	<u>7/27/11</u>

**NOTE:** All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda distribution.





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# Memorandum

**To:** David A. Hulseberg AICP, ICMA-CM  
Village Manager

**From:** Patrick Rollins, Deputy Chief of Police

**Date:** September 26, 2011

**Subject:** Change Order to the ETSB Radio Interoperability Equipment Order

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**Background:** This memorandum provides background and a recommendation to sign off on a change order to purchase 12 mobile radios to be utilized by the police department through the countywide Starcom Radio project. The Emergency Telephone Systems Board of DuPage County (ETSB) has been overseeing the Starcom Radio project. Police and fire agencies throughout the county have been asked to review their current radio orders through the grant program and make necessary changes at this time. The police department identified twelve vehicles that mobile radios should be added to the overall order on our behalf. Funding for the additional radios will come from various cost centers of the police department.

**As Mentioned during the last two budget cycles:**

The police department through a grant will be receiving 73 portable radios to be used with the Starcom Radio System. One portable radio will be issued to every sworn officer. The police department will be receiving at no cost over \$446,000 worth of radios and accessories through this grant. Our department will be purchasing an additional 14 portable radios to be utilized by the six CSOs and six front desk staff along with having two spares on the shelf in case of a repair issue. The police department recognized this additional expense for the 14 portable radios and has been putting away funds over three fiscal years to cover the costs of these additional radios and accessories totaling \$87,727. The 87 portable radios has been part of the original order placed on behalf of the Lombard Police Department through the Starcom Radio Interoperability program placed a few years ago.

Change Order-September 2011

This past week a letter was sent out to all agencies to review their orders and make any changes so that the ETSB can work on Change Order #3 with the vendor. The police department is locked into the initial portable radio order and is comfortable with the portable radio count in place. However, no mobile radios were part of this order. Mobile radios are mounted inside the police squads and are in place now with some of our vehicles. It is desired by staff to keep the same level of communication available in these key vehicles in order not to diminish our capabilities or operational readiness. These radios are used in addition to the portable radios carried by the officers. Having mobile radios in the cars along with the portable radio allows listening to multiple channels at the same time, coordinating incidents, allowing covert communication for detectives and having a backup radio when portable radio batteries drain down to name just a few advantages. Twelve police vehicles (supervisors, detectives and chiefs) have been identified and are in need to keep the same communication level available in place as it exists today. When the Starcom Radio System goes live sometime after January our communication will be reduced and cause issues if we do not have these mobile radios in place.

Supervisors need the mobile radios in their vehicles to monitor other channels from our primary channel. For instance, they need to remain on the primary channel to listen in even when using the secondary mobile radio to talk with an officer on another channel or other department. They need to monitor pursuits of our officers on another channel and still listen in our primary channel. They need to monitor secondary channels for our special events like the Lilac Parade and Taste of Lombard and still remain on the primary channel. Detectives need to listen to the primary channel and have the capability of using a tactical channel on the mobile radio for DuMeg, TAC, FIAT, or MCTF talk groups through the Starcom Radio System.

The vendor is offering four years of free air time on the mobile radios purchased through this change order along with a four year warranty on the radios. If we purchase a mobile radio not part of the project, the warranty on the radio is one year and airtime right away is at the municipality monthly expense. Having this incentive of free air time for four years per radio and four years of warranty along with maintaining the same level of communication in the twelve cars that exists today into the future with a better radio system is the reason staff is requesting this change order on behalf of the Lombard Police Department.

Funding the twelve mobile radios will be taken from numerous police cost centers. Six of the radios will be taken from cost center 2190, State Seizures for the detective vehicles. Three of the radios will be funded through the DUI Equipment Technology cost center, 2175. One radio will be funded

*September 28, 2011*

through Federal Seizures, cost center 2190. The final two radios will be funded through the Patrol cost center, 2120. Each mobile radio cost is \$5,664 for the APX7500. These twelve radios will cost the police department an additional \$67,968 for the Starcom System.

**Recommendation:** Staff recommends the Village President and Clerk to sign off on the change order to be sent to DuComm and the ETSB authorizing the additional purchase of twelve APX7500 Mobile –Dual Band UHF –Remote Mount Radios to be included in the ETSB’s Change Order #3 with the vendor.



R \_\_\_\_\_ 11 RESOLUTION

A RESOLUTION AUTHORIZING THE VILLAGE PRESIDENT TO SIGN A CHANGE ORDER WITH DUCOMM / ETSB FOR THE STARCOM RADIO SYSTEM PROJECT FOR THE PURCHASE OF TWELVE MOBILE POLICE RADIOS ON BEHALF OF THE LOMBARD POLICE DEPARTMENT.

WHEREAS, the Corporate Authorities of the Village of Lombard have received a Change Order request; and,

WHEREAS, the Change Order serves to provide the authority to purchase the 12 Mobile Radios through the Starcom Radio Interoperability Project; and,

WHEREAS, the Change Order establishes protocols for the ETSB to order the Mobile Radios on our behalf under the Project; and,

WHEREAS, the Corporate Authorities deem it to be in the best interest of the Village of Lombard to approve such agreement,

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS as follows:

SECTION 1: That the Village President is hereby authorized to sign on behalf of the Village of Lombard said Change Order as attached hereto.

SECTION 2: That the Village Clerk be and hereby is authorized to attest said Change Order as attached hereto.

Adopted this \_\_\_\_ day of \_\_\_\_\_, 2011.

Ayes: \_\_\_\_\_

Nays: \_\_\_\_\_

Absent: \_\_\_\_\_

Resolution No. \_\_\_\_\_  
Page 2

Approved this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
William J. Mueller  
Village President

ATTEST:

\_\_\_\_\_  
Brigitte O'Brien  
Village Clerk

APPROVAL AS TO FORM:

\_\_\_\_\_  
Thomas P. Bayer, Village Attorney





Date: Sep. 27, 2011  
 Quote #: LPD APX7500 9-27-11  
 CUSTOMER #: Lombard PD

Customer Proposal  
 Prepared By: Coy Cooper  
 Phone: 954-270-9740 Fax: (847) 576-8020  
 1307 E Algonquin Rd Schaumburg, IL 60196

PREPARED FOR: Pat Rollins  
 COMPANY: Lombard PD  
 PHONE: 630-873-4466  
 EMAIL: rollinsp@villageoflombard.org

**Equipment Details and Pricing**

<u>Qty.</u>	<u>Model</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total Price</u>
12	APX7500	SUPERVISOR VEHICLES APX7500 MOBILE - DUAL BAND UHF - REMOTE MOUNT	\$5,664.00	\$67,968.00

**QUOTE PAGE TOTAL**

**\$67,968.00**

**QUOTE TERMS AND CONDITIONS:**

- Quotes are exclusive of all installation and programming charges(unless expressly stated) and all applicable taxes.
- Title will pass upon shipment, risk of loss will pass upon delivery to purchaser's facility.
- Ordered equipment may be returned for a full refund, less a 20% restocking fee, if the equipment is returned unused and undamaged in its original packaging within six months after shipment.
- Prices quoted are valid for thirty(30) days from the date of this quote.
- Unless otherwise stated, payment will be due within thirty days after invoice.
- Motorola's standard equipment warranty(which will be furnished upon request) applies to all ordered equipment
- 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.
- These terms will prevail over any inconsistent or additional terms on any purchase order submitted by the purchaser.

CHANGE ORDER #3

By: William J. Mueller, Village President

Attest: Brigitte O'Brien, Village Clerk

Date: \_\_\_\_\_





# EMERGENCY TELEPHONE SYSTEM BOARD OF DU PAGE COUNTY

421 N. County Farm Road Wheaton, Illinois 60187  
Tel: 630-550-7743 Fax: 630-955-1130

## BOARD MEMBERS:

**Mr. Patrick J. O'Shea**  
Chairman  
DuPage County Board  
Representative

**Chief Bradley Bloom**  
Vice Chairman  
Hinsdale Police Department  
DuPage Police Chiefs  
Association Representative

**Mrs. Gwan Henry**  
DuPage County Treasurer  
Ex-Officio

**Mr. Gary King**  
DuPage County Clerk  
Ex-Officio

**Mr. Joseph Block**  
Village of Addison  
DuPage Mayors and Managers  
Conference Representative

**Chief David Christensen**  
Bloomingdale Fire  
Protection District  
DuPage County Fire Chiefs  
Association Representative

**Mr. George DeTella**  
DuPage County Health  
Department  
OEM Representative

**Mr. Benjamin Mott**  
DuPage County Sheriff's  
Representative

**Mr. James Rasins**  
Public Representative

**Mr. Brian Tegtmeyer, ENP**  
DuPage Public Safety  
Communication Representative

**Ms. Linda M. Zerwin**  
Executive Director  
9-1-1 System Coordinator

September 15, 2011

Dear DuPage Emergency Dispatch Interoperable Radio System Participant:

Attached to this letter please find your original equipment list [first page] and your most recent list.

In an effort to consolidate the current equipment order from Change Order #2 with a proposed Change Order #3 it has taken some time to look at requested equipment changes and new requests. This has been done in order to avoid unnecessary additions and costs to the project.

These forms will be utilized to create the final counts. As such, please review the most current document, provided any specific changes requested if any, sign and date the document the first page and initial the other pages including any supplemental pages you add. The signature should be of the executive of your agency for billing purposes.

A supplemental page is recommended if you have multiple changes so that we can clearly understand your requests.

If your order included ruggedized radios please be sure to indicate the number of ruggedized and whether they will be standard black or the fashionable green.

You may fax this to ETSB at the number listed above, when completed.

For DU-COMM agencies, please provide this information to DU-COMM so that Director Tegtmeyer can have final oversight prior to submission to ETSB.

It is our intent to have a purchase order for Change Order #2 in to Motorola for FY11 final invoices, so we are asking that you respond as quickly as possible to this request or by **September 23**.

Also, additional equipment orders cannot be made for agencies that have not submitted an IGA. If your IGA is under review with attorneys, it is considered in process and can be part of an additional order. You may submit your order so that it can be considered in the event that the IGA is submitted in the interim.

Thank you for all of your hard work and assistance with this major project.

Sincerely,

Linda M. Zerwin

/lmz



**Lombard PD**

ETSB Member  
DuCOMM Agency

Report Generated: 09/15/2011

Funding, Radio-Core-Package	Quantity	Unit Value	Available Funding
PSIC-Provided Radios	15	\$ 5,873.00	\$ 88,095.00
ETSB-Provided Radios	58	\$ 5,873.00	\$ 340,634.00
<b>Total Available Radio-Core-Package Funding</b>	<b>73</b>		<b>\$ 428,729.00</b>

**AGENCY EQUIPMENT & COST OBLIGATION SUMMARY**

Category	Quantity	Equipment Value	Agency Obligation	Notes
Portable Radios	87	\$ 510,951.00		
Mobile Radios	0	\$ 0		
Total Radios	87	\$ 510,951.00	\$ 82,222.00	APX7000 maintenance cost is estimated to be \$62.26 per radio, per year after Year 4
Batteries	174	\$ 16,808.40		Additional Radios
Chargers (27 Chargers Yielding 62 Charging Positions)	27	\$ 7,082.16	\$ 1,551.12	Display Chargers;
Cases & Straps (87 Cases & 0 Straps)	87	\$ 4,022.01		
Microphones & Antennas (0 RSMs, 87 PSMs, 162 PSM Antennas)	249	\$ 11,186.28	\$ 621.00	
Intrinsically-Safe Option	0	\$ 0		
Enable Internal GPS Operation	0	\$ 0		
Adjustment 1				
Adjustment 2				
Adjustment 3				
<b>TOTAL AGENCY OBLIGATION</b>			<b>\$ 84,384.12</b>	

**AGENCY-STATE RADIO REQUIREMENTS - DETAILS**

Radios - Portables	Quantity	Unit Cost	Extended Cost
Single-Band, 7/800	-	\$ 5,073.00	\$ -
Dual-Band VHF (136 - 174 MHz) & 7/800	-	\$ 5,873.00	\$ -
Dual-Band UHF R1 (380 - 470 MHz) & 7/800	-	\$ 5,873.00	\$ -
Dual-Band UHF R2 (450 - 520 MHz) & 7/800	87	\$ 5,873.00	\$ 510,951.00
<b>Totals, Portable Radio Quantity &amp; Value of Portable Radios</b>	<b>87</b>		<b>\$ 510,951.00</b>

Radios - Mobiles	Dash-Mount Quantity	Remote-Head Quantity	Base Radio Quantity	Dual-Head Quantity	Remote-Head Unit Cost	Dash-Mount Unit Cost	Base Radio Unit Cost	Dual-Head Unit Cost	Extended Cost
Single-Band, 7/800	-	-	-	-	\$ 4,505.00	\$ 4,843.30	\$ 5,341.00	\$ -	\$ -
Dual-Band VHF (136 - 174 MHz) & 7/800	-	-	-	-	\$ 5,527.00	\$ 5,664.00	\$ 6,156.00	\$ 5,819.65	\$ -
Dual-Band UHF R1 (380 - 470 MHz) & 7/800	-	-	-	-	\$ 5,527.00	\$ 5,664.00	\$ 6,156.00	\$ -	\$ -
Dual-Band UHF R2 (450 - 520 MHz) & 7/800	-	-	-	-	\$ 5,527.00	\$ 5,664.00	\$ 6,156.00	\$ -	\$ -
<b>Totals, Mobile Radio Quantity &amp; Value of Mobile Radios</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>					<b>\$ -</b>

**Total Value of Portable and Mobile Radios**

\$ 510,951.00

**Agency Cost, Condition 1: Agency radio count is less than or equal to funded radio count - Agency owes difference in cost between dual-band, dual-head mobiles and an equal number of dual-band portables.**  
 Dual-Band, Dual-Head Mobile Cost \$ -  
 Core-Radio Package Cost \$ -  
 Cost Difference \$ -  
 Quantity of Dual-Band, Dual-Head Mobiles \$ -  
**Agency Cost, Condition 1: Additional cost of Dual-Band, Dual-Head Mobile Radios**  
 Agency Cost, Condition 2: Total agency radio count is greater than funded radio count - Agency owes cost of additional radios beyond funded radios cost basis. \$ 82,222.00

**Cost Basis for Batteries**  
 Funded-Radio Batteries (=Funded Radios x 2) 146  
 Unit Cost for Core-Package Battery \$ 96.60  
**Cost Basis for Batteries \$ 14,103.60**

Battery Value	Standard LION, 2900 Mah	Extended Life LION Battery, 4200Mah	Intrinsically-Safe 2000MAH NIMH FM Approved Battery	Unit Cost	Unit Cost	Unit Cost	Extended Cost
Primary	87	0	0	\$ 96.60	\$ 92.00	\$ -	\$8,404.20
Spare	87	0	0	\$ 96.60	\$ 110.40	\$ -	\$8,404.20
<b>Total Batteries &amp; Value of Batteries</b>	<b>174</b>	<b>0</b>	<b>0</b>				<b>\$16,808.40</b>

**Agency Cost, Condition 1: Battery Count is Greater than Twice Portable Radio Count - Agency Owes Cost of Additional Batteries**  
 Standard LION, 2900 Mah Agency Obligation Quantity 174 0 \$ -  
 Extended Life LION Battery, 4200MAH 0 0 \$ -  
**Total, Agency Cost, Condition 1** 174 0 \$ -

**Agency Cost, Condition 2: Battery Count is Less than Twice Portable Count, Agency Pays Extra Cost of Extended Life Batteries.**  
 Chargers 87 \$ 86.25 \$ 7,503.75

Chargers	Quantity	Charging Positions	Unit Cost	Extended Cost	Delta Cost	Additional Cost	Agency Obligation Quantity	Agency Obligation Cost
Single-Unit	20	20	\$ 86.25	\$ 1,725.00			0	\$ -
Multi-unit (six-gang)	3	18	\$ 543.72	\$ 1,631.16			0	\$ -
Multi-unit (six-gang), w/Display	4	24	\$ 931.50	\$ 3,726.00	\$ 387.78	\$ 1,551.12	0	\$ -
<b>Totals - Chargers &amp; Charging Positions</b>	<b>27</b>	<b>62</b>	<b>\$ 289.10</b>	<b>\$ 7,082.16</b>	<b>\$ 182.85</b>	<b>\$ 1,551.12</b>	<b>0</b>	<b>\$ -</b>

**Condition 1: The number of charging positions is less than or equal to the number of portables - Agency owes cost additional cost of multi-unit chargers w/display and vehicle chargers.**  
**Condition 2: The number of charging positions is greater than the number of portables - Agency owes...**

Cases	Quantity	Unit Cost	Cost	Agency Obligation Quantity	Agency Obligation Cost
Hard Leather Case w/3" Fixed Belt Loop for NNTN7038 Battery	87	\$ 46.23	\$ 4,022.01	0	\$ -
Universal Carry Holder - Rigid Plastic w/Belt Clip	0	\$ 20.01	\$ -	0	\$ -

Agency Equipment Costs  
 DuPage ETSB Radio Interoperability Project  
 Lombard PD

Leather Case w/2.75" Swivel Belt Loop for NNTN7038 Battery	0 \$	44.85 \$	-	0 \$
Nylon Case w/3" Fixed Belt Loop for NNTN7038 Battery	0 \$	32.43 \$	-	0 \$
Hard Leather Case w/3" Fixed Belt Loop for Extended Life Battery	0 \$	47.61 \$	-	0 \$
Leather Carry Case w/2.75" Swivel Belt Loop for Extended Life Battery	0 \$	46.23 \$	-	0 \$
Nylon Case w/3" Fixed Belt Loop for Extended Life Battery	0 \$	34.50 \$	-	0 \$
<b>Total - Cases</b>	87	4,022.01 \$	-	0 \$
Shoulder Straps	0 \$	15.87 \$	-	0 \$
<b>Total, Cases and Shoulder Straps</b>		4,022.01 \$		

<b>Cost Basis for Cases = No. of Portables x Unit Cost for Hard Leather Case w/3" Fixed Belt Loop for NNTN7038 Battery</b>				
Funded Radios	73			
Unit Cost for Core-Package Case	\$ 45.23			
<b>Cost Basis for Cases</b>	\$ 3,374.79			\$ 3,374.79

**Condition 1: Agency case count is less than or equal to agency portable radio count - Agency cost is zero (case included with radio price).**

**Condition 2: Agency case count is greater than agency portable radio count - Agency cost is ...**

**MICROPHONES & ANTENNAS**

Value of Microphones & Antennas	Quantity	Unit Cost	Extended Cost
RSM - Standard	-	73.83 \$	-
RSM w/Channel Selector, Volume Control	-	258.75 \$	-
PSMs	87	113.16 \$	9,844.92
<b>Total Microphones</b>	87		9,844.92
Stubby Antennas (For PSMs)	162	6.28 \$	1,341.36
<b>Total Microphone &amp; Antenna Value</b>			11,186.28

<b>RSM Microphone Cost Basis</b>			
RSM Unit Cost			
Funded-Radio Radio Count			
<b>Total</b>			\$ 11,186.28

<b>PSM Microphone &amp; Antenna Cost Basis</b>			
PSM Microphone & Antenna Cost			
Funded-Radio Radio Count			
<b>Total</b>			\$ 121.44

<b>Delta RSM w/Channel Selector, Volume Control</b>			
Unit Cost, RSM - Standard			73.83
Unit Cost, RSM w/Channel Selector, Volume Control			258.75
Delta Unit Cost			184.92
Quantity			0
<b>Cost</b>			-

<b>Extra PSM Antennas</b>			
Unit Cost			8.28
Quantity			162
PSM Quantity			87

Extra Quantity 75  
 Value of Extra PSM Antennas \$ 627.00

**Condition 1: Mic count is less than or equal to portable radio count - Agency owes difference in cost between channel selector RSM and cost of standard RSM plus extra PSM mics and extra PSM antennas**  
 RSM Selector Cost \$ -  
 Extra PSM Antennas \$ -  
 Agency Cost, Condition 1 \$ -

**Condition 2: Mic count is greater than portable radio count - Agency owes cost of additional microphones and antennas**  
 Mic & Antenna Cost \$ -  
 Mic & Antenna Cost Basis \$ -  
 Agency Cost, Condition 2 \$ -

**OTHER EQUIPMENT & OPTIONS**

Intrinsically Safe Option	0	\$ 76.00
Enable Internal GPS Operation	0	\$ -
Optional Encryption - AES/DES-XL/AES-OFB W/ Multi-Key	0	\$ -
Earbuds/Surveillance Kits	50	\$ 959.50

Note: The cost of earbuds and surveillance kits is not included. Please contact Motorola or other manufacturer for a

**Notes:**

1. Need to verify charger count.
2. Need to verify Antenna order.
3. Need to verify earbud selection.



# Lombard PD

ETSB Member  
DuCOMM Agency

Report Generated: 09/10/2010

Category	Quantity	Agency Equipment Cost	Notes
<b>Funded Radios</b>			
Requested Radios (total)	87		
Portables	87		
Mobiles	0		APX7000 maintenance cost is estimated to be \$62.26 per radio, per year after Year 4
Radios In Excess of Funded-Radio Quantity	14	\$ 85,554.00	Agency is requesting radios in excess of funded quantity
Batteries	174	\$ -	
Chargers	27	\$ 1,551.12	
Charging Positions	62	\$ -	
Cases & Straps	87	\$ 621.00	
Microphones & Antennas	87	\$ -	
Intrinsically-Safe Option	0	\$ -	
Enable Internal GPS Operation	0	\$ -	
Optional Encryption - AES/DES-XL/AES-OFB W/ Multi-Key	0	\$ -	
		<b>\$ 87,726.12</b>	

funded radios

<b>Core-Package Radios</b>		
PSIC-Provided Radios	15	
ETSB-Provided Radios	58	
Total Funded Radios	73	
Core Package Unit Cost	\$ 6,111.00	
<b>funded radios Cost Basis</b>	<b>\$ 446,103.00</b>	

**\$ 446,103.00**

## AGENCY-STATE REQUIREMENTS

### Radios - Portables

Single-Band, 7/800	Quantity	Unit Cost	Extended Cost
Dual-Band VHF (136 - 174 MHz) & 7/800	-	\$ 5,261.00	\$ -
Dual-Band UHF R1 (380 - 470 MHz) & 7/800	-	\$ 6,111.00	\$ -
Dual-Band UHF R2 (450 - 520 MHz) & 7/800	-	\$ 6,111.00	\$ -
<b>Totals, Portable Radio Quantity &amp; Value of Portable Radios</b>	<b>87</b>	<b>\$ 6,111.00</b>	<b>\$ 531,657.00</b>

**\$ 531,657.00**

### Radios - Mobiles

Single-Band, 7/800	Dash-Mount	Remain-Head	Dual-Head	Base Radio	Unit Cost	Unit Cost	Unit Cost	Extended Cost
Dual-Band VHF (136 - 174 MHz) & 7/800	-	-	-	-	\$ 4,505.00	\$ 4,843.30	\$ 5,553.00	\$ -
Dual-Band UHF R1 (380 - 470 MHz) & 7/800	-	-	-	-	\$ 5,546.30	\$ 5,693.30	\$ 6,403.30	\$ 5,819.65
Dual-Band UHF R2 (450 - 520 MHz) & 7/800	-	-	-	-	\$ 5,546.30	\$ 5,693.30	\$ 6,403.30	\$ -
<b>Totals, Mobile Radio Quantity &amp; Value of Mobile Radios</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 5,546.30</b>	<b>\$ 5,693.30</b>	<b>\$ 6,403.30</b>	<b>\$ 5,819.65</b>

**\$ 531,657.00**

**Total Value of Portable and Mobile Radios**

\$ 331,657.00

**Agency Cost, Condition 1: Agency radio count is less than or equal to funded radio count - Agency owes difference in cost between dual-band, dual-head mobiles and an equal number of dual-band portables.**

Dual-Band, Dual-Head Mobile Cost	\$ -
Core-Radio Package Cost	\$ -
Cost Difference	\$ -
Quantity of Dual-Band, Dual-Head Mobiles	\$ -
<b>Agency Cost, Condition 1: Additional cost of Dual-Band, Dual-Head Mobile Radios</b>	\$ -
<b>Agency Cost, Condition 2: Total agency radio count is greater than funded radio count - Agency owes cost of additional radios beyond funded radios cost basis.</b>	\$ 85,554.00

<b>Cost Basis for Batteries</b>	
Funded-Radio Batteries (=Funded Radios x 2)	146
Unit Cost for Core-Package Battery	\$ 96.60
<b>Cost Basis for Batteries</b>	\$ 14,103.60

Battery Value	Standard LION, 2900 Mah	Extended Life LION Battery, 4200MAh	Intrinsically-Safe 2000MAh NIMH FH Approved Battery	Unit Cost	Unit Cost	Unit Cost	Extended Cost
Primary	87	0	0	\$ 95.60	\$ 110.40	\$ -	\$8,404.20
Spare	87	0	0	\$ 95.60	\$ 110.40	\$ -	\$8,404.20
<b>Total Batteries &amp; Value of Batteries</b>	<b>174</b>	<b>0</b>	<b>0</b>				<b>\$16,808.40</b>

<b>Agency Cost, Condition 1: Battery Count is Greater than Twice Portable Radio Count - Agency Owes Cost of Additional Batteries</b>					
Standard LION, 2900 Mah	174	0	0	0 \$	0 \$
Extended Life LION Battery, 4200MAh	0	0	0	0 \$	0 \$
<b>Total, Agency Cost, Condition 1</b>	<b>174</b>			<b>\$ -</b>	<b>\$ -</b>
<b>Agency Cost, Condition 2: Battery Count is Less than Twice Portable Count, Agency Pays Extra Cost of Extended Life Batteries.</b>					

Chargers	Quantity	Charging Positions	Unit Cost	Extended Cost	Delta Cost	Additional Cost	Agency Obligation, Quantity	Agency Obligation, Cost
Single-unit	20	20	\$ 86.25	\$ 1,725.00			0	\$ -
Multi-unit (six-gang)	3	18	\$ 543.72	\$ 1,631.16			0	\$ -
Multi-unit (six-gang), w/Display	4	24	\$ 931.50	\$ 3,726.00	\$ 387.78	\$ 1,551.12	0	\$ -
Vehicle	0	0	\$ 289.10	\$ -	\$ 182.85	\$ -	0	\$ -
<b>Totals - Chargers &amp; Charging Positions</b>	<b>27</b>	<b>62</b>		<b>\$ 7,082.16</b>		<b>\$ 1,551.12</b>	<b>0</b>	<b>\$ -</b>

**Condition 1: The number of charging positions is less than or equal to the number of portables - Agency owes cost additional cost of multi-unit chargers w/isplay and vehicle chargers.**

**Condition 2: The number of charging positions is greater than the number of portables - Agency owes...**

\$ 1,551.12

\$ -

Cases	Quantity	Unit Cost	Cost	Agency Obligation Quantity	Agency Obligation Cost
Hard Leather Case w/3" Fixed Belt Loop for NNTN7038 Battery	87	\$ 46.23	\$ 4,022.01	0	\$ 0
Universal Carry Holder - Rigid Plastic w/Belt Clip	0	\$ 20.01	\$ -	0	\$ 0
Leather Case w/2.75" Swivel Belt Loop for NNTN7038 Battery	0	\$ 44.85	\$ -	0	\$ 0
Nylon Case w/3" Fixed Belt Loop for NNTN7038 Battery	0	\$ 32.43	\$ -	0	\$ 0
Hard Leather Case w/3" Fixed Belt Loop for Extended Life Battery	0	\$ 47.61	\$ -	0	\$ 0
Leather Carry Case w/2.75" Swivel Belt Loop for Extended Life Battery	0	\$ 46.23	\$ -	0	\$ 0
Nylon Case w/3" Fixed Belt Loop for Extended Life Battery	0	\$ 34.50	\$ -	0	\$ 0
<b>Total - Cases</b>	<b>87</b>		<b>\$ 4,022.01</b>		
Shoulder Straps	0	\$ 15.87	\$ -	0	\$ 0
<b>Total, Cases and Shoulder Straps</b>			<b>\$ 4,022.01</b>		

Cost Basis for Cases = No. of Portables x Unit Cost for Hard Leather Case w/3" Fixed Belt Loop for NNTN7038 Battery  
 Funded Radios 73  
 Unit Cost for Core-Package Case \$ 46.23  
 Cost Basis for Cases \$ 3,374.79

Condition 1: Agency case count is less than or equal to agency portable radio count - Agency cost is zero (case included with radio price).  
 Condition 2: Agency case count is greater than agency portable radio count - Agency cost is ...

**MICROPHONES & ANTENNAS**

Value of Microphones & Antennas	Quantity	Unit Cost	Extended Cost
RSM - Standard	-	\$ 73.83	\$ -
RSM w/Channel Selector, Volume Control	-	\$ 258.75	\$ -
PSMs	87	\$ 113.16	\$ 9,844.92
<b>Total Microphones</b>	<b>87</b>		<b>\$ 9,844.92</b>
Stubby Antennas (For PSMs)	162	\$ 8.28	\$ 1,341.36
<b>Total Microphone &amp; Antenna Cost</b>			<b>\$ 11,186.28</b>

RSM Microphone Cost Basis  
 RSM Unit Cost \$ -  
 Funded-Radio Radio Count -  
**Total** \$ -

PSM Microphone & Antenna Cost Basis  
 PSM Microphone & Antenna Cost \$ 121.44  
 Funded-Radio Radio Count 73  
**Total** \$ 8,865.12

Delta RSM w/Channel Selector, Volume Control  
 Unit Cost, RSM - Standard 73.83  
 Unit Cost, RSM w/Channel Selector, Volume Control 258.75  
 Delta Unit Cost 184.92  
 Quantity 0  
**Cost** 0

<b>Extra PSM Antennas</b>		
Unit Cost		\$ 8.28
Quantity		162
PSM Quantity		87
Extra Quantity		75
<b>Value of PSM Antennas</b>		<b>\$ 621.00</b>

**Condition 1: Mic count is less than or equal to portable radio count - Agency owes difference in cost between channel selector RSM and cost of standard RSM plus extra PSM mics and extra PSM antennas**

RSM Selector Cost	\$ -
Extra PSM Antennas	\$ 621.00
<b>Agency Cost, Condition 1</b>	<b>\$ 621.00</b>

**Condition 2: Mic count is greater than portable radio count - Agency owes cost of additional microphones and antennas**

Mic & Antenna Cost	\$ -
Mic & Antenna Cost Basis	\$ -
<b>Agency Cost, Condition 2</b>	<b>\$ -</b>

**OTHER EQUIPMENT & OPTIONS**

Intrinsically Safe Option	0	\$ 80.75	\$ -
Enable Internal GPS Operation	0	\$ 100.00	\$ -
Optional Encryption - AES/DES-XL/AES-OFB W/ Multi-Key	0	\$ 859.50	\$ -
Earbuds/Surveillance Kits	50		

Note: The cost of earbuds and surveillance kits is not included. Please contact Motorola or other manufacturer for a range of options.

**Notes:**

1. Need to verify charger count.
2. Need to verify Antenna order.
3. Need to verify earbud selection.