

Western States Contracting Alliance

Current Contract Information



Revision Date: August 10, 2015
Effective Date(s): See below

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|----------------------------------|--|------------------------|-------------------|
| Contract number: | 02702 | Commodity code: | 5820 |
| Contract title: | WSCA Public Safety Communication Equipment and Services | | |
| Purpose: | Short Term Extension | | |
| Original award date: | October 30, 2003 | | |
| Current extension period: | September 1, 2015 through December 31 | | |
| Contract type: | This contract has been designated as convenience use for Washington State Agencies. | | |
| Scope of contract | Contract awarded to multiple contractor(s). | | |
| Primary user agency(ies): | Western States Contracting Alliance (WSCA) - States and local agencies. | | |
| For use by: | General use: All State Agencies, Political Subdivisions of: Alaska, Arizona, Arkansas, California, Colorado, Florida, Hawaii, Idaho, Iowa, Kansas, Maine, Mississippi, Missouri, Montana, New Jersey Transit Corp., New Hampshire, Nevada, Oregon, Oklahoma, Rhode Island, South Dakota, Utah, Washington, Wisconsin, Wyoming and Washington State Qualified Non-profit Corporations, Participating Institutions of Higher Education (College and Universities, Community and Technical Colleges). | | |
| Term worth: | \$42,000,000/5-month extension | | |
| Current participation: | \$0 MBE | \$0 WBE | \$42,00,000 OTHER |
| | MBE 0% | WBE 0% | OTHER 0% |
| Current participation: | Contract vendors are providing sub-contractors who are qualified WBE's. | | |
| Recovered material: | Contact contractor's for returning recoverable materials at the end of the equipment life cycle. | | |

This page contains key contract features. Find detailed information on succeeding pages. For more information on this contract, or if you have any questions, please contact your local agency Purchasing Office, or you may contact our office at the numbers listed below.

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|-----------------------|--|------------------|----------------|
| Contracts Specialist: | Neva Peckham | Customer Service | |
| Phone Number: | (360) 407-9411 | Phone Number: | (360) 407-9411 |
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Visit our Internet site: <https://fortress.wa.gov/ga/apps/ContractSearch/ContractSummary.aspx?c=02702>

Recent Contract Changes:

1. Update authorized resellers for Vertex Standard
2. Update products, pricing and services for Alcatel-Lucent.
3. Contract management of this contract has changed, see above.
4. Contract extension fully executed with all awarded Vendors through August 31, 2015.
5. Alcatel-Lucent has added Dice Communications, Inc. as an authorized reseller.
6. Vertex Standard has added Bolay Mobilecom, Inc. as an authorized reseller.(Note: followup required)
7. Kenwood USA Corporation merged with its commonly owned sister company JVC Kenwood Corporation. As a result of this merger, company will be renamed to JVCKENWOOD USA Corporation.

Previous Contract Changes (Shown in 4/10/15 contract update):

1. **EF Johnson Company:** Updated Dealership Information page. Added General Communications as an Authorized Dealer for EF Johnson Company.

Previous Contract Changes (Shown in 10/24/14 contract update):

1. **Reduction in Washington's Management Fee and Short-term Contract Extension:** Two additional vendors (Aeroflex Wichita, Inc. and Valmont Industries) agreed to:
 - Reduce Washington's management fee from one and a half percent (1.5%) to 0.74 percent (0.74%) on sales made to contract customers located within the state of Washington beginning July 1, 2014. Fees applied sales made to customer located in other states and the administration fee paid to WSCA-NASPO were not affected.
 - Extend their contract for an additional period of time (October 30, 2014 through August 31, 2015 or 60 days after the effective date of a replacement contract, whichever occurs first), under the existing contract terms, conditions, specifications and pricing. These short-term extensions will allow additional time to complete and award replacement contract(s) for these products – towers and test equipment. Should any WSCA-NASPO replacement contracts become effective prior to August 31, 2015, this contract may run concurrently with these contracts to allow time for participating entity customers to transition to new contract(s).

Previous Contract Changes (Shown in 9/19/14 contract update):

1. **Reduction in Washington's Management Fee and Short-term Contract Extension:** Fourteen of sixteen vendors (excluding: Aeroflex Wichita, Inc. and Valmont Industries) agreed to:

- Reduce Washington's management fee from one and a half percent (1.5%) to 0.74 percent (0.74%) on sales made to contract customers located within the state of Washington beginning July 1, 2014. Fees applied sales made to customer located in other states and the administration fee paid to WSCA-NASPO were not affected.
- Extend this contract for five additional months (October 30, 2014 through March 31, 2015), under the existing contract terms, conditions, specifications and pricing. This short-term extension will allow additional time to complete the award of replacement contract(s) resulting from RFP 06913 for Public Safety Communication Equipment. Should any of these WSCA-NASPO replacement contracts become effective prior to March 31, 2015, this contract may run concurrently with these contracts to allow time for participating entity customers to transition to new contract(s).

Vendors agreeing to these two changes included – Motorola Solutions, Inc., Raytheon/JPS, Kenwood USA Corporation, Aviat US, Inc., Alcatel-Lucent USA Inc., Tait North America, Inc., EF Johnson Company, Icom America, Inc., Daniels Electronics Ltd., Relm Wireless Corporation, Raytheon JPS Communications, Harris RFCD, Sinclair Technologies and Vertex Standard USA. Aeroflex Wichita, Inc. and Valmont Industries were not asked to make agree with these changes.

Should any of there extending vendors be successful in receiving an award resulting from RFP 06913, once a Participating Addendum (PA) is executed under the terms of the new contract, all contract sales will be made to qualified purchasers under the terms of the new PA/contract and no further sales shall be made to those customers under the terms of Contract 02702.

- 2. Participating Addendum Extensions:** Vendors should be aware that states or other purchasers (i.e. Participating Entities) who have executed a Participating Addendum (PA) for this master contract may find it necessary to complete a short-term extension of their PA so that it also continues to be in effect until March 31, 2015.
- 3. Contracts Not Extended:** Our contracts with Aeroflex Wichita, Inc. and Valmont Industries were not extended beyond October 29, 2014 because the products they offer through this contract were not equipment categories included in the replacement RFP 06913 for Public Safety Communication Equipment and thus there is no need for a transition period. Current plans are to issue a new RFP solicitation document during the spring of 2015 for public safety communication support equipment (such as towers, shelters, dispatch furniture and seating, etc.) should there be sufficient WSCA-NASPO customer support for such a contract.
- 4. Participating Addendum for State of Nevada:** On January 13, 2014, a Participating Addendum was completed between the State of Nevada (state agencies and political subdivisions) and Alcatel- Lucent USA, Inc.
- 5. Participating Addendum for State of Alaska:** On August 15, 2014, a Participating Addendum was completed between the State of Alaska (state agencies and local public purchasing units, including cities/boroughs, schools districts, and universities) and Aeroflex Wichita, Inc.
- 6. Participating Addendum for State of Delaware:** On August 19, 2014, a Participating Addendum was completed between the State of Delaware (Office of Management and Budget, and Government Support Services) and Icom America, Inc.
- 7. Address Change for Icom America:** On January 29, 2014, we were notified that after 34 years the corporate headquarters for Icom America Inc. had been relocated. Contact people and telephone numbers remain the same. Reference Contractor Information page for the new address.

8. **Vertex Standard USA** added contact people and updated its authorized dealer lists for: California effective February 7, 2014; Florida effective August 8, 2014; and Washington effective March 7, 2014. (Reference Contractor Information page).
9. **Alcatel-Lucent USA, Inc.** Effective January 22, 2014, LightSpeed Technologies, Inc. was added to its authorized dealer list for New Jersey; and effective June 19, 2014, LightRiver Technologies, Inc. was added to its authorized dealer list for California. Reference Contractor Information section for details.
10. **Icom America, Inc.** updated its list of authorized dealers effective June 2014. 2014 and September 2014, and also update product price list with percentage discounts remaining the same. Also, effective September 2014 products and price list was updated. Percentage discounts remained the same. (Reference Contractor Information page).
11. **Codan Radio Communications** updated its product price list and provided a list of discontinued products. (Reference Contractor Information page).

Previous Contract Changes (Shown in 1/16/14 contract update):

1. **Update Vertex Standard USA** contact people and authorized dealer list for New Jersey effective November 12, 2013, California effective November 18, 2013, and Colorado and Utah effective December 6, 2013 (reference Contractor Information page).
2. **Update Radio Frequency Systems Product and Price List:** Effective January 16, 2014, Radio Frequency has updated its product and price list. Most product prices increased by 3.7% to pass through higher manufacturing costs; for other products, pricing is available upon request due to very low sales volumes and high corresponding manufacturing costs; and a few products experienced a price decrease. (Reference Contractor Information and updated product and price pages for specifics.
3. **Update Motorola Solutions:** Effective January 15, 2014, add new authorized dealer (Day Wireless Systems) to the contract to provide Motorola products and services to contract customers and to invoice customers under contract terms, conditions and prices. Motorola Solutions shall include such sales in its quarterly contract sales reports to the contract administrator and WSCA. (Reference Contractor Information for dealer contact information.)
4. **Participating Addendum for State of Delaware:** On January 8, 2014, a Participating Addendum was completed between the State of Delaware (and its authorized political subdivisions) and Raytheon/JPS.
5. **Participating Addendum for State of Nebraska:** On December 11, 2013, a Participating Addendum was completed between the State of Nebraska and Motorola Solutions.

Previous Contract Changes (Shown in 9/19/13 contract update):

1. **One-Year Contract Extension:** Effective October 30, 2013, all sixteen vendors agreed "to extend Contract 02702 for WSCA Public Safety Communications Equipment and Services for one additional year (October 30, 2013 through October 29, 2014), under the existing contract terms, conditions, specifications and pricing. This extension will allow additional time to complete the rebid of a replacement contract and should a WSCA-NASPO replacement contract be awarded and become effective for products and/or

services available through this contract prior to October 29, 2014, both contracts may run concurrently to allow time for participating entity customer transition to the new contract.”

Extending vendors include - Motorola Solutions, Inc., Raytheon/JPS, Kenwood USA Corporation, Aviat US, Inc., Alcatel-Lucent USA Inc., Tait North America, Inc., EF Johnson Company, Icom America, Inc., Aeroflex Wichita, Inc., Daniels Electronics Ltd., Valmont Industries, Relm Wireless Corporation, Raytheon JPS Communications, Harris RFCD, Sinclair Technologies and Vertex Standard USA.

Participating Addendum Extensions: Vendors should be aware that states or other purchasers (i.e. Participating Entities) who have executed a Participating Addendum (PA) for this master contract may find it necessary to complete an extension of the PA so that it also continues to be in effect until October 29, 2014, or as otherwise stated in the extension agreement.

2. **Name Change for Daniels Electronics:** On August 21, 2012, Codan Ltd. acquired Daniels Electronics Ltd. For legal, regulatory, financial and contract activities the company will be referred to as “Daniels Electronics Ltd dba Codan Radio Communications.” Reference Contractor Information page.
3. **Updated Alcatel-Lucent USA** Contractor Information page to add new alternate contact person and to add authorized Illinois reseller to the contract. Reference Contractor’s Information pages for retail.
4. **Updated Harris RFCD** Contractor Information page for contact people etc., and provided an embedded document listing contract products and showing that contract pricing remains at the 26% discount level off manufacturer’s price list.
5. **Updated Raytheon** Contractor Information page for new contact person. Reference Contractor’s Information pages for detail.
6. **Update Vertex Standard USA** authorized dealer list for Delaware effective September 4, 2013, (reference Contractor Information section).

Previous Contract Changes (Shown in 6/30/13 contract update):

2. **EF Johnson Company:** Updated Contractor Information page to change name of alternate contact person. Add the new Viking Series Multi-Band VP-900 portable radio to the contract at the existing WSCA price discount percentage and identify sample configurations in their associated frequency band.

Previous Contract Changes (Shown in 5/28/13 contract update):

1. **Radio Frequency Systems Dealer Update:** Effective January 8, 2013, Radio Frequency updated contact information for Hutton Communications, one of its authorized dealers. Reference Contractor’s Information pages.
2. **Update Alcatel-Lucent USA, Inc. Contractor Information:** Reference Contractor Information page for the name and contact information for the new Alternate Contact person.
3. **Update Raytheon JPS Communications Product List:** Effective 2/6/13 an old router was deleted and a new router and Ethernet SW rack were added to the contract. Effective June 1, 2013, contract prices were updated to reflect an increase in manufacturer’s price list. A five percent discount was maintained. Contractor Information page was also updated.

4. **Update Vertex Standard USA Contractor Information:** Reference Contractor Information page for the name and contact information for the new Alternate Contact person. Additionally, Effective February 2013, Vertex Standard updated its authorized dealer list for Arizona (reference Contractor Information section).
5. **Update Kenwood Dealer List:** Effective January 11, 2013, Kenwood updated its authorized dealer list. (Reference Contractor Information section).
6. **Participating Addendum for State of Nebraska:** On March 12, 2013, WSCA acknowledged the execution of a Participating Addendum between the State of Nebraska (and its political subdivisions) and Motorola Solutions.
7. **EF Johnson Company:** Updated Contractor Information page for Alternate Contact and updated list of authorized dealers March 2013.
8. **Vertex Standard:** Updated Contractor Information pages to list new Payment Address and identify new West Regional Sales Manager.

Previous Contract Changes (Shown in 12/28/12 contract update):

1. **Change in Motorola's Pricing Discount Table:** Effective January 1, 2013, the following changes were made to Motorola's WSCA Discount Matrix table:
 1. MTR3000 Base/Repeater Station replaced MTR2000 at the same level of discount.
 2. Discounts for the following products were increased:
 - P25 DIGITAL, MOBILE/DESKTOP/CONSOLETTES RADIOS - APX4500 Mobile/Consolette, XTL2500 Mobile, and XTL1500 Mobile.
 - P25 DIGITAL, PORTABLE RADIOS - APX4000 Portables.
 - INFRASTRUCTURE / FIXED EQUIPMENT / OTHER - Monitor Receivers.
 3. For MOTOROLA – WSCA DISCOUNT MATRIX table, the use of the second and third discount columns (which previously showed a lower price discounts for the states of: Oregon, Colorado, Utah, Oklahoma, Kansas and New Mexico) was discontinued and all customer orders regardless of customer's location will use the single price discount column shown.
2. **Tait North America:** Effective December 19, 2012, the new P25 9400 Series portable and mobile radios was added to the contract at same level of price discount as other contract products. The company's alternate contact person also was updated.
3. **Harris RFCD Updated Dealer List:** Harris has updated its authorized list of dealers as of December 2012. Reference Contractor's Information page.

Previous Contract Changes (Shown in 10/01/12 contract update):

1. **Icom America, Inc.** Pricing of line item 483 was corrected on Icom's September 1, 2012 price list and WSCA pricing sheet. Reference Contractor's Information page for updated price list.
2. **EF Johnson Company:** Updated Contractor Information page; updated list of authorized dealers; added quick reference pricing matrix; added sample radio configurations; deleted discontinued models and added new models; after 9 years without a price adjustment labor rates were increased from \$125/hour to \$175.00/hour for support, installation and repair services, and revised net pricing to reflect list price changes.

Previous Contract Changes (Shown in 8/29/12 contract update):

1. **Icom America, Inc.** Effective September 1, 2012 list and WSCA pricing will change with some price increases and some price decreases to pass through price changes from their equipment manufacturer and to correct previous pricing errors. Percentage discounts off list pricing will be retained and for some items, the net WSCA price will be corrected. Additionally, an updated list of authorized dealers has been included (reference Contractor Information section).
2. **Participating Addendum for State of California:** On August 9, 2012, WSCA acknowledged the execution of a Participating Addendum between the State of California (on behalf of all State Agencies and will include all California political subdivisions/local governments) for the purchase of 800MHz Portable and Mobile Radios & Associated Accessories, and Motorola Solutions, Inc.
3. **Aeroflex Wichita, Inc.** replaced its 3500A radio test set with a new 3550 radio test set which meets contract specifications, contract pricing discounts have been maintained and price lists were updated effective

September 2012. Additionally, pricing for its 3920 radio test set has been updated effective September 2012 and contract discounts were maintained. Reference embedded price lists in Contractor Information section.

4. **Alcatel-Lucent USA, Inc.** adjusted its pricing for microwave radio services effective August 29, 2012. Reference embedded price lists for ALU Services in Contractor Information section.

Previous Contract Changes (Shown in 7/16/12 contract update):

1. **Update Harris RFCD Contractor Information and add Unity® XG-100P portable radio:** (reference Contractor Information section). Additionally, effective May 16, 2012 the Unity® XG-100P portable radio was added to the contract at existing WSCA pricing discount.
2. **Update Vertex Standard Authorized Dealer List:** Effective May 25 2012, Vertex Standard updated its Colorado and Florida authorized dealer lists (reference Contractor Information section).
3. **Update Aviat Networks, Inc. Authorized Reseller List:** Aviat has updated its authorized national reseller (reference Contractor Information section).
4. **Update Icom America Contractor Information page,** added new distributor and updated its authorized distributor list.
5. **Update Radio Frequency Systems Contractor Information and Add Authorized Dealer:** Effective May 1, 2012, Radio Frequency updated its Contractor Information page and added a new authorized dealer (Infinity Technology Distributors and Consulting Services, LLC Inc.) (reference Contractor Information section).
6. **Update Raytheon/JPS Contractor Information page and Product List** to add new Gateway system to the contract.
7. **Participating Addendum for State of Delaware:** On May 31, 2012, WSCA acknowledged the execution of a Participating Addendum between the State of Delaware (and other and Motorola Solutions, Inc.

Previous Contract Changes (Shown in 3/2/12 contract update):

1. **Update Vertex Standard Contractor Information:** (reference Contractor Information section).
2. **Update Icom America Authorized Dealer List:** Effective December 2011, Icom America updated its authorized dealer list (reference Contractor Information section).
3. **Updated Alcatel-Lucent USA, Inc. Contractor Information, Product Catalog and Catalog Prices:** Reference Contractor Information page and imbedded pdf documents for product and price catalogs.
4. **Participating Addendum for State of Missouri Political Subdivisions:** On November 28, 2011, WSCA acknowledged the execution of a Participating Addendum between the State of Missouri on behalf of its political subdivisions – any public entity having authority to levy taxes (e.g. cities, counties, school districts, etc.) and Kenwood USA Corp.

Previous Contract Changes (Shown in 10/28/11 contract update):

1. **Contract Extension with Radio Frequency Systems, Inc.:** Effective October 30, 2013, Radio Frequency has agreed to extend Contract 02702 for WSCA Public Safety Communications Equipment and Services for two additional years (October 30, 2011 through October 29, 2013), under the existing contract terms, conditions, specifications with updated product and pricing. Price increases occurred on some items due to the introduction of improved versions, the replacement of obsolete models with high performance units, and the increased cost of metals used in the manufacturing process. The vendor's "Contractor Information" page also was updated. Additionally, should a new WSCA replacement contract be awarded and become effective for products and/or services available through this contract prior to October 29, 2013, both contracts may run concurrently to allow time for customer transition to the new contract.

- 2. Delete Non-Extending Vendor Information:** Vendor, product and pricing information has been deleted from the following vendors who were not included in the two-year extension of this contract: General Dynamics Decision Systems; Eltek Valere, Inc.; Communications-Applied Technology; Ceragon Networks; GE MDS, LLC; Northern Airborne Technology, Ltd.; and CalAmp Dataradio, Inc.,
- 3. New Gateway Server from Raytheon Added to Contract:** Effective October 28, 2011, the new ACU-5000 Next Generation IP Based Interoperability Server from Raytheon/JPS was added to the contract. Reference Contractor Information for product and pricing information.
- 4. Participating Addendum for State of Montana:** On October 3, 2011, WSCA acknowledged the execution of a Participating Addendum between the State of Montana (including all governmental entities within the State of Montana and all registered Cooperative Purchasing Organizations) and Motorola, Inc.
- 5. Participating Addendums for State of Missouri Political Subdivisions:** On October 25, 2011, WSCA acknowledged the execution of a Participating Addendums between the State of Missouri on behalf of its political subdivisions – any public entity having authority to levy taxes (e.g. cities, counties, school districts, etc.) and Valmont Industries; Sinclair Technologies, Inc.; Relm Wireless Corporation; Daniels Electronics, Ltd.; Aviat US, Inc.; Alcatel-Lucent USA Inc.; and Aeroflex Wichita, Inc.

Previous Contract Changes (Shown in 9/01/11 contract update):

- 1. Two- Year Contract Extension:** Effective October 30, 2013, the following fifteen vendors (who collectively represent 99.6% of contract sales) have agreed “to extend Contract 02702 for WSCA Public Safety Communications Equipment and Services for two additional years (October 30, 2011 through October 29, 2013), under the existing contract terms, conditions, specifications and pricing. However, should a new WSCA replacement contract be awarded and become effective for products and/or services available through this contract prior to October 29, 2013, both contracts may run concurrently to allow time for customer transition to the new contract.”
Motorola Solutions, Inc., Kenwood USA Corporation, Aviat US, Inc., Alcatel-Lucent USA Inc., Tait North America, Inc., EF Johnson Company, Icom America, Inc., Aeroflex Wichita, Inc., Daniels Electronics Ltd., Valmont Industries, Relm Wireless Corporation, Raytheon JPS Communications, Harris RFCD, Sinclair Technologies and Vertex Standard USA. Radio Frequency Systems has not agreed to contract extension at this time.
- 2. Vendors Not Included in Extension:** Effective October 30, 2011, the following seven vendors (who each represented less than 1/10 of one percent and collectively represented less than 0.04% of contract sales) will not be included in the contract extension:
General Dynamics Decision Systems, Communications-Applied Technology, GE MDS, LLC, CalAmp Dataradio, Inc., Eltek Valere, Inc., Ceragon Networks, and Northern Airborne Technology, Ltd.
- 3. Participating Addendum for Chisago County, Minnesota:** On July 6, 2011, WSCA acknowledged the execution of a Participating Addendum between the Chisago County, Minnesota and Harris Corp.
- 4. Update Tait North America, Inc. Contractor Information:** (reference Contractor Information section).
- 5. Update Harris RFCD Contractor Information:** (reference Contractor Information section).
- 6. Update Icom America Authorized Dealer List:** Effective August 2011, Icom America updated its authorized dealer list (reference Contractor Information section) to include - C & R Radio, California, Contact: Carrol Campbell, Phone: (530) 934-2240, Fax: (530) 934-2206, E-mail: erradio@att.net
- 7. Update Vertex Standard Authorized Dealer List:** Effective July 2011, Vertex Standard updated its authorized California dealer list (reference Contractor Information section).
- 8. Update Kenwood WSCA Dealer List:** Effective August 2011, Kenwood USA Corporation updated its WSCA dealers list (reference Contractor Information section).

Previous Contract Changes (Shown in 7/14/11 contract update):

1. **Update Icom America Authorized Dealer List:** Effective March 2011, Icom America updated its authorized dealer list (reference Contractor Information section).
2. **Update Icom America Inc. Contractor Information:** (reference Contractor Information section).
3. **Update Harris RFCD Contractor Information:** (reference Contractor Information section).
4. **Add New Distributor for Radio Frequency Systems, Inc.:** Talley, Inc. was added as a new distributor for Radio Frequency Systems. (reference Contractor Information section).
5. **Participating Addendum for State of Colorado:** On January 4, 2011, WSCA acknowledged the execution of a Participating Addendum between the State of Colorado (including other entities located within the state) and Motorola, Inc.
6. **Updated Icom America's Product and Price List:** Effective June 22, 2011 Icom America, Inc. updated its catalog of contract products by deleting old products, adding new products, increasing the price of some products by an average 6.0% and decreasing the price of some products by an average 11.5%.

Previous Contract Changes (Shown in 2/28/11 contract update):

1. **Participating Addendums for State of Montana:** WSCA acknowledged the execution of a Participating Addendum between the State of Montana (including all governmental entities and registered Cooperative Purchasing Organizations) and EF Johnson Company; and Kenwood USA Corporation; and RELM Wireless Corporation.
2. **Participating Addendums for State of Wisconsin:** On January 12, 2011, WSCA acknowledged the execution of a Participating Addendum between the State of Wisconsin (including any State Agency, including the University System, Court System, Legislature, or municipality) and Harris RFCD.
3. **Participating Addendum for State of Utah:** On January 21, 2011, WSCA acknowledged the execution of a Participating Addendum between the State of Utah (including political subdivisions, i.e. colleges, school districts, counties, cities, etc.) and Motorola, Inc.
4. **Add New Vertex Standard Radios and Update Dealer List:** Effective 2/28/11 – date of last signature, Vertex Standard USA has added VX-450 portable radios and VX-4500/4600 mobile radios at the current 28% level of price discount off Manufacturer's Standard Retail Price to this contract. Vertex Standard has also updated its dealer list to remove non-direct dealers and to add dealers for Iowa, South Dakota, Missouri and Wisconsin. Reference updated product and price list embedded within Contractor Information.
5. **Name Change for Motorola:** On January 4, 2011, Motorola, Inc. completed its planned separation into two separate independent companies – Motorola Mobility, Inc. and Motorola Solutions, Inc. Motorola Solutions, Inc. shall assume all rights, obligations and liabilities from Motorola, Inc. and shall be responsible for obligations and liabilities for all past performance (whether known or unknown) and future performance of WSCA Contract 02702 for Public Safety Communications Equipment and Services. The company's Federal Tax Identification Number shall remain 36-1115800.
Contract customers should use the new company name – Motorola Solutions, Inc. – on their purchase orders and invoices. The company's payment remittance address and bank account shall remain the same. (To facilitate this company name change, purchase orders and payments will continue to be processed under the name Motorola, Inc.)
6. **Add New Motorola Products:** Effective 2/28/11, the following new Motorola products were added to this contract - APX6500 Mobile Radios and APX7000XE/6000 Portable Radios. Price discounts will be the same as other APX radios listed in the contract. Reference the Motorola – WSCA Discount Matrix for applicable discounts off manufacturer's price list for these products.

Previous Contract Changes (Shown in 11/29/10 contract update):

1. **Update Contractor Information for:** Motorola, Inc.; Radio Frequency Systems, Inc.; Icom America, Inc.; Raytheon/JPS; Aviat Networks; and Harris, RFCD (reference each contractor's Contractor Information section for specifics).
2. **Participating Addendum for State of Hawaii:** WSCA acknowledged the execution of a Participating Addendum between the State of Hawaii (including Local Jurisdictions) and EF Johnson.
3. **Participating Addendum for the State of Arkansas:** On November 21, 2010, WSCA acknowledged the execution of a Participating Addendum between the State of Arkansas (including local public procurement units) and Harris RFCD.
4. **Price Decrease for Motorola APX Mobile and Portable Radios:** Effective August 30, 2010, Motorola increased its price discount for APX mobile and portable radios an additional 5%. Reference the Motorola – WSCA Discount Matrix for applicable discounts off manufacturer's price list for these products.
5. **General Dynamics SATCOM Technologies** undated its price list effective November 1, 2010, and R8000 equipment was also updated, including:
 - A new R8000 1GHz Premier model was added;
 - The base price of the R8000A and the R8000A 3GHz Premier Packages have been increased by \$980 (\$1,000 less the 2% WSCA discount);
 - Addition of NXDN test option for the R8000.
6. **Clarification of Freight Charges for Valmont:** For clarification purposes, effective December 1, 2010 with purchases from Valmont for component parts orders only, freight charges shall be prepaid and added to the invoice as a separate line item. Title to the goods remains Valmont's responsibility until delivery is completed. (Reference updated Contractor Information section.)
7. **Kenwood USA Corporation** undated its equipment list effective September 20, 2010. (Reference updated Contractor Information section.)
8. **Icom America, Inc.** updated its equipment list to include RF Technology Eclipse Series P25 Repeater – Analog Base Station which has been added to the contract. (Reference Contractor Information section for product information and prices.)
9. **Aeroflex Wichita, Inc.:** Effective July 12, 2010, Aeroflex Wichita Inc. updated its equipment list to include its 3250 Series Spectrum Analyzer which has been added to the contract. (Reference Contractor Information section for product information and prices.)

Previous Contract Changes (Shown in 8/11/10 contract update):

1. **Participating Addendums for the State of Kansas:** On April 14, 2010, WSCA acknowledge the execution of a Participating Addendum between the State of Kansas (including Interested Political Subdivisions) and Tait North America, Inc. Additionally, on May 17, 2010, WSCA acknowledge the execution a Participating Addendum between the State of Kansas (including Interested Political Subdivisions) and Kenwood USC Corporation.
2. **Participating Addendum for the State of Hawaii:** On April 14, 2010, WSCA acknowledge the execution of a Participating Addendum between the State of Hawaii (including Local Jurisdictions) and ICOM America, Inc.
3. **Participating Addendum for the State of Wisconsin:** WSCA has acknowledge the execution of a Participating Addendum between the State of Wisconsin (including Municipalities) and Eltek Valere Incorporated.
4. **Add New Harris RFCD Radio:** Effective August 2, 2010, the Unity TM XG-100P line of portable radios was added to this contract at a 26% level of price discount off Manufacturer's Standard Retail Price list. These radios will also carry a 3-year warranty rather than the standard 2-year warranty (reference Contractor Information and following pricing pages for additional information).
5. **Update Icom America Authorized Dealer List:** Effective May 2010, Icom America updated its authorized dealer list (reference Contractor Information section).

6. **Update EF Johnson Authorized Dealer List:** Effective June 22, 2010, EF Johnson updated its authorized dealer list (reference Contractor Information section).
7. **Update Harris RFCD Authorized Reseller List:** Effective June 24, 2010, Harris added a new authorized reseller for contract customers located in New Hampshire and the Contractor Information page has been reorganized.
8. **Update Vertex Standard Authorized Dealer List:** Effective July 8, 2010, Vertex Standard updated its authorized dealer list for the State of New Jersey (reference Contractor Information section).
9. **Update Contractor Information for Tait North America, Inc.** (reference Contractor Information section).

Previous Contract Changes (Shown in 4/30/10 contract update):

1. **Add New Motorola Products:** Effective April 30, 2010, the following new Motorola products will be added to this contract: Mototrbo mobile radios, portable radios and Base/Repeater Stations, APX 7500 mobile radios, APX 7000 portable radios and GTR 8000 Base/Repeater Stations. Reference the Motorola – WSCA Discount Matrix (provided on page 142) for applicable discounts off manufacturer's price list for these products.
2. **Update Icom America Authorized Dealer List and Product Warranty:** Effective March 2010, Icom America updated its authorized dealer list and effective April 1, 2010 their equipment warranty has been updated as follows:
 - Three (3) years full parts and labor warranty on P25 digital and IDAS Land Mobile radios
 - Two (2) years full parts and labor warranty on all other Land Mobile radios
 - One (1) year full parts and labor warranty on all accessories
 - 1 / 2 / 3 years extended warranty options are available for Land Mobile division mainframes upon request.
3. **Update Alternate Contact for Aeroflex Wichita:** Phil Nickel is the company's new Area Sales Engineer and alternate contact person for this contract. See Contractor Information for specifics.
4. **Clarify Pacific Electronic's participation** in the contract as Harris RFCD's authorized dealer for Washington and Oregon customers. See Contractor Information for specifics.

Previous Contract Changes (Shown in 3/16/10 contract update):

1. **Change in Contract Administrators:** Effective 3/01/10, Robert Paulson, Jr., C.P.M. shall take over the contracting responsibilities for this WSCA contract from Keith Armstrong.
2. **Add Raytheon Products:** Effective 2/19/10 new products from Raytheon JPS have been added to this contract. Reference Raytheon's portion of this document for product descriptions and prices.
3. **Update EF Johnson product listing:** Reference EF Johnson's portion of this document for product descriptions and prices.
4. **Update Stratex Networks name change to Aviat US, Inc.**
5. **Delete Tempest from Ceragon authorized dealer listing.**
6. **Contract Extension:** This contract has been extended with all vendors for an additional 24 months (10/30/09 – 10/29/11) under the existing terms, conditions products and pricing.
7. **Kenwood increased its warranty** to 3 years for equipment made after March 2009.
8. **California customers** can no longer use WSCA Contract for Motorola purchases.
9. **See Note VIII below about pending rebid of contract.**

WESTERN STATES CONTRACTING ALLIANCE CONTRACT: 02702 PUBLIC SAFETY COMMUNICATIONS EQUIPMENT AND SERVICE CONTRACT.

SCOPE OF THE CONTRACT

The purpose of this convenience, multi-state, contract is for the purchase of Public Safety Communication Equipment, and programs, as they are needed. The WSCA directors may authorize state and local governmental entities throughout the nation (NASPO) the use of this contract subject to approval of the local state purchasing director and local statutory provisions. The selected contractors shall accept purchase orders from and deliver products to approved purchasing entities. Contractors are required to offer warranty and maintenance services on products purchased under these agreements. Only Manufacturers submit proposals for products and/or services that they themselves produce in Phase I and/or Phase II. Phase I and Phase II are as follows:

Phase I contract awards were made to meet the needs of government purchases where the purchase is exempt from the organization's competitive bid rules/laws under sole source or installed base of equipment justification.

Phase II contract awards were the result of a competitive bid contracting process.

"WSCA" Means the Western States Contracting Alliance, a cooperative group contracting consortium for state government departments, institutions, agencies and political subdivisions (i.e., colleges, school districts, counties, cities, etc.) for numerous states.

WSCA Background Information: WSCA was formed in October 1993. The purpose of WSCA is to establish the means by which participating states may join together in cooperative multi-state contracting, to ensure the commitment of each participating state and to provide regular and ongoing assistance to participating states in researching, developing, and administering procurement and contractual specifications and requirements. WSCA maintains a cooperative relationship with the National Association of State Purchasing Officials (NASPO). The mission of WSCA is to implement multi-state contracts to achieve cost-effective and efficient acquisition of quality products and services and to promote interoperability and sharing amongst the WSCA participants.

| | |
|-------------------------------------|---|
| Products/Services available: | Public Safety Communication Equipment |
| Related product contracts: | Radio, Gateway devices, Towers, Microwave, Waveguides, Antennas, Power Supplies |

NOTES:

I. State Agencies and authorized Political Subdivisions: Submit Order directly to Contractor for processing referencing this WSCA contract number #02702. If you are unsure of your status in the Washington State Purchasing Cooperative, call (360) 902-7400. Only authorized purchasers included in the Western States Contracting Alliance (WSCA), there local governments, poly-sub, and non-profits may use the contract.

Contract Terms: This Document includes by reference all terms and conditions published in the original RFP and Specification Documents.

II. The July 1, 2006 edition of this CCI document includes a revision to the Motorola contract segment. Effective with publication, the basis for pricing calculations will be the current Motorola list price. The new pricing replaces the old Motorola list price that was submitted with the original bid. Making this change was

not a defacto price increase. A line-by-line review of the two lists indicated that there were no cases of like-for-like price increases. The effect of the change was found to be minimal but would have the benefit of making pricing on new items available. At the same time, Motorola advanced the effective date of its final volume discount. Motorola was scheduled to move from a 2% to a 3% volume discount within a year. The July change makes the additional discount available now. Further, Motorola will reduce its payments to WSCA headquarters from 1.5% to ½ of 1% for all sales outside of WA. Motorola will retain the 1.5% administrative rate for WA sales.

Also with CCI revision was some administrative changes of taking out contract language that no longer applies and was struck through with computer lines. That old language and old outdated products and inapplicable terms were deleted.

III. The State of Minnesota has withdrawn from this WSCA contract according to published documents and confirmed reports with Minnesota procurement. No sales from any contract vendor are authorized.

IV. In July 2008, Motorola terminated its participating addendum with the State of California. No WSCA sales of Motorola equipment can be made using the contract.

V. On December 29, 2008, Radian/Rohn terminated its participation on the WSCA contract for all states. No sales for Radian/Rohn equipment is authorized using this contract. See Valmont for communication tower needs.

VI. Smartlink Radio Networks was sold to CalAmp Corporation. CalAmp Corporation assumed the WSCA contract obligations for sales and service. CalAmp designated Mutualink as its authorized distributor for CalAmp equipment that was previously sold by Smartlink Radio Networks. See CalAmp contact for details on sales and service on the contract.

VII. In the original bid, Motorola negotiated a category for “standalone accessories ordered without radios.” This category is designed for software and accessories that accompany system sales and system upgrades of existing radio equipment. See RFP Standard T’s & C’s, #19; Special T’s & C’s #15. One of the software products that fit within this category is Motorola’s “Asset Management” tool. This asset management tool stores radio equipment inventory with identification and location information has been available on the contract but not specifically listed on the contract document. Because many customers have requested this product for upgrading their radio system effectiveness, the product fits within the scope of accessories and it meets the discount authorized by the contract terms, it will be specifically listed on the contract document. This clarification makes it easy to identify the product for due diligence of purchasing staff. Sales of this product have been completed in Salem, Oregon, Klamath County, and Oregon Wireless Integrated Network (OWIN) project. Although, specifically listing out each accessory for each vendor is problematic, products not listed but within a major category with demand will be reviewed on a case-by-case basis by the Contract Administrator for a separate listing on the contract document. As the contract extension request begins, all vendors will be reminded of that opportunity to update their product listing, including separating item listings. June 2009

VIIa. Motorola recently acquired a majority stake in Vertex Standard. Because of that equity position, Vertex Standard has extended its participation on the contract under Motorola’s terms and conditions. Vertex Standard remains a separate entity operating under the same name. Vertex Standard’s contract extension ends October 29, 2011.

VIII. While the contract was extended until October 29, 2011, the contract is being reviewed for rebid in total or in part during the 2009 -2011 term. Customers and vendors are encouraged to send the contract administrator comments, suggestions about the pending rebid process. Both phases and all categories are being reviewed for this pending rebid process.

SPECIAL CONDITIONS:

Refer to the original RFP, Amendments and Specifications for all terms, conditions and equipment specifications.

PARTICIPATING ADDENDUM INFORMATION

For participating in this contract, a state agency, city, county or any other political subdivision should contact: Paul Stembler, WSCA/NASPO Cooperative Development Coordinator, phone: (612) 284-7123, Fax: (952) 392-4580, E-mail: pstembler@amrms.com for guidance on completing a Participating Addendum (PA). Once executed, that PA allows the government entity to purchase from contract vendor(s) under the terms of the contract. Contact Mr. Sembler for a copy of the most current Participating Addendum form. The PA form should be completed and signed by the joining organization and the contract vendor. A PDF copy of the fully signed Participating Addendum form should then be attached to an e-mail and sent to Mr. Stembler at WSCA and the Lead State Contract Administrator for documentation purposes.

Online reporting report to quarterly sales - <http://fortress.wa.gov/ga/apps/CSR/login.aspx>

Have your contract administrator use their e-mail address and login password to access the online reporting. If you do not have an email address/password, or if you are having system trouble, please contact Customer Service at (360) 902-7400 or csmail@ga.wa.gov.

Phase I Awards

PHASE I, WAS NOT COMPETITIVELY BID AND CONTRACTS WERE BASED ON SOLE SOURCE, SPECIAL MARKET CONDITIONS:

All purchase entities must check with there laws governing sole source, special market conditions before using the Phase I contract. Phase I contract was based on special market conditions, an installed base and circumstances where only the same manufacturer is able to provide the replacement equipment.

| Equipment Category | Status of Award | Date of Award |
|---------------------------------|-----------------|-------------------|
| Category 1, Radios | Awarded | November 25, 2003 |
| Category 1a, 900 MHz Radios | Awarded | August 3, 2007 |
| Category 2, Aviation Radios | Awarded | November 25, 2003 |
| Category 3, Dual Receiver Radio | Re-bid 2004 | First Qtr 2004 |
| Category 4, Gateway Devices: | Awarded | November 25, 2003 |

| | | |
|---|---------|-------------------|
| Category 5, Microwave | Awarded | November 25, 2003 |
| Category 6, Towers | Awarded | November 25, 2003 |
| Category 7 Microwave Antennas, Waveguide & Associated Hardware | Awarded | November 25, 2003 |
| Category 8, Test Equipment | Awarded | November 25, 2003 |

PHASE I

| | | |
|---------------------|--|-----------------|
| Contractors: | Aeroflex Wichita, Inc. | Page 22 |
| | Alcatel-Lucent USA, Inc. | Page 24 |
| | Daniels Electronics, Ltd., dba Codan Radio Communications | Page 33 |
| | EF Johnson Company | Page 35 |
| | Aviat US, Inc. (formerly Harris Stratex Networks Corp) | Page 100 |
| | Icom America, Inc. | Page 109 |
| | Raytheon/JPS | Page 111 |
| | Kenwood USA Corporation | Page 118 |
| | Harris RFCD (formerly M/A COM of Tyco Electronics) | Page 123 |
| | Motorola | Page 125 |
| | Radio Frequency System, Inc. | Page 133 |
| | RELM Wireless Corporation (King) | Page 142 |
| | Sinclair Technologies, Inc. | Page 144 |
| | Tait North America, Inc. | Page 146 |
| | Valmont | Page 150 |
| | Vertex Standard USA | Page 162 |

Phase II Awards

PHASE II, WAS COMPETITIVELY BID AND ALL PROCUREMENT PRACTICES WERE FOLLOWED.

| Equipment Category | Status of Award | Date of Award or Proposed date of Award |
|---------------------------------------|-----------------|--|
| Category 1, Radios | Awarded | October 30, 2003 |
| Category 2, Aviation Radios | Awarded | October 30, 2003 |
| Category 3, Dual Receiver Radio | Re-bid | 1 st QTR 2004 |
| Category 4, Gateway Devices: | Awarded | October 30, 2003 |
| Category 5, Microwave | Awarded | October 30, 2003 |
| Category 6 Towers | Awarded | October 30, 2003 |
| CATEGORY 7 Waveguides and Antennas | Awarded | October 30, 2003 |
| Aeroflex – Phase I & II | Awarded | October 30, 2003 |
| Category 8, Test Equipment | | |

PHASE II

| | | |
|---------------------|---|-----------------|
| Contractors: | Aeroflex Wichita, Inc. | Page 22 |
| | Alcatel-Lucent USA, Inc. | Page 24 |
| | EF Johnson Company | Page 35 |
| | Aviat US, Inc. (formerly Harris Stratex Networks Corp) | Page 100 |
| | Icom America, Inc. | Page 109 |
| | Raytheon/JPS | Page 111 |
| | Kenwood USA Corporation | Page 118 |
| | Harris RFCD (formerly M/A COM of Tyco Electronics) | Page 123 |
| | Radio Frequency System, Inc. | Page 133 |
| | Valmont | Page 162 |

PHASE II

Category 1, Radios

Link to Specifications: <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category1.zip>

NA - Not awarded and will be added after these items are re-bid.

| Equipment | Link to Contractor |
|-------------------------------------|---------------------------|
| Portable Analog | |
| High VHF 136-174 Quality Category A | EF Johnson Company |
| High VHF 136-174 Quality Category B | EF Johnson Company |
| High VHF 136-174 Quality Category C | Harris RFCD |
| High VHF 136-174 Quality Category D | Kenwood |
| Portable Analog | |
| UHF 450-470 Quality Category A | EF Johnson Company |
| UHF 450-470 Quality Category B | EF Johnson Company |
| UHF 450-470 Quality Category C | Kenwood |
| UHF 450-470 Quality Category D | EF Johnson Company |
| Portable Analog | |
| UHF 806-870 Quality Category A | EF Johnson Company |
| UHF 806-870 Quality Category B | EF Johnson Company |
| UHF 806-870 Quality Category C | EF Johnson Company |
| UHF 806-870 Quality Category D | EF Johnson Company |
| Desktop Analog | |
| High VHF 136-174 Quality Category A | NA |
| High VHF 136-174 Quality Category B | NA |
| High VHF 136-174 Quality Category C | NA |
| High VHF 136-174 Quality Category D | NA |
| Desktop Analog | |
| UHF 450-470 Quality Category A | NA |

| Equipment | Link to Contractor |
|--|---------------------------|
| UHF 450-470 Quality Category B | NA |
| UHF 450-470 Quality Category C | NA |
| UHF 450-470 Quality Category D | NA |
| Desktop Analog | |
| UHF 806-870 Quality Category A | NA |
| UHF 806-870 Quality Category B | NA |
| UHF 806-870 Quality Category C | EF Johnson Company |
| UHF 806-870 Quality Category D | EF Johnson Company |
| Mobile Analog | |
| High VHF 136-174 Quality Category A | NA |
| High VHF 136-174 Quality Category B | EF Johnson Company |
| High VHF 136-174 Quality Category C | EF Johnson Company |
| High VHF 136-174 Quality Category D | EF Johnson Company |
| Mobile Analog UHF 450-470 | |
| UHF 450-470 Quality Category A | NA |
| UHF 450-470 Quality Category B | NA |
| UHF 450-470 Quality Category C | Harris RFCD |
| UHF 450-470 Quality Category D | NA |
| Mobile Analog | |
| UHF 806-870 Quality Category A | Harris RFCD |
| UHF 806-870 Quality Category B | NA |
| UHF 806-870 Quality Category C | EF Johnson Company |
| UHF 806-870 Quality Category D | EF Johnson Company |
| Remote Base/Repeater Station Analog | |
| High VHF 136-174 Quality Category A | NA |
| High VHF 136-174 Quality Category B | NA |
| High VHF 136-174 Quality Category C | NA |
| High VHF 136-174 Quality Category D | Harris RFCD |
| Remote Base/Repeater Station Analog | |
| UHF 450-470 Quality Category A | NA |
| UHF 450-470 Quality Category B | NA |
| UHF 450-470 Quality Category C | NA |
| UHF 450-470 Quality Category D | Harris RFCD |
| Remote Base/Repeater Station Analog | |
| UHF 806-870 Quality Category A | NA |
| UHF 806-870 Quality Category B | NA |
| UHF 806-870 Quality Category C | NA |
| UHF 806-870 Quality Category D | NA |
| Portable Digital | |
| High VHF-136-174 Quality Category A | EF Johnson Company |
| High VHF-136-174 Quality Category B | EF Johnson Company |
| High VHF-136-174 Quality Category C | EF Johnson Company |
| High VHF-136-174 Quality Category D | EF Johnson Company |

| Equipment | Link to Contractor |
|---|---------------------------|
| Portable Digital | |
| UHF 450-470 Quality Category A | EF Johnson Company |
| UHF 450-470 Quality Category B | EF Johnson Company |
| UHF 450-470 Quality Category C | EF Johnson Company |
| UHF 450-470 Quality Category D | EF Johnson Company |
| Portable Digital | |
| UHF 806-870 Quality Category A | EF Johnson Company |
| UHF 806-870 Quality Category B | EF Johnson Company |
| UHF 806-870 Quality Category C | EF Johnson Company |
| UHF 806-870 Quality Category D | EF Johnson Company |
| Desktop Digital | |
| High VHF 136-174 Quality Category A | NA |
| High VHF 136-174 Quality Category B | NA |
| High VHF 136-174 Quality Category C | NA |
| High VHF 136-174 Quality Category D | EF Johnson Company |
| Desktop Digital | |
| UHF 450-470 Quality Category A | NA |
| UHF 450-470 Quality Category B | NA |
| UHF 450-470 Quality Category C | NA |
| UHF 450-470 Quality Category D | NA |
| Desktop Digital | |
| UHF 806-870 Quality Category A | NA |
| UHF 806-870 Quality Category B | NA |
| UHF 806-870 Quality Category C | EF Johnson Company |
| UHF 806-870 Quality Category D | EF Johnson Company |
| Mobile Digital | |
| High VHF 136-174 Quality Category A | NA |
| High VHF 136-174 Quality Category B | Harris RFCD |
| High VHF 136-174 Quality Category C | EF Johnson Company |
| High VHF 136-174 Quality Category D | EF Johnson Company |
| Mobile Digital | |
| UHF 450-470 Quality Category A | NA |
| UHF 450-470 Quality Category B | Harris RFCD |
| UHF 450-470 Quality Category C | NA |
| UHF 450-470 Quality Category D | NA |
| Mobile Digital | |
| UHF 806-870 Quality Category A | NA |
| UHF 806-870 Quality Category B | NA |
| UHF 806-870 Quality Category C | EF Johnson Company |
| UHF 806-870 Quality Category D | EF Johnson Company |
| Remote Bass/Repeater Station Digital | |
| High VHF 136-174 Quality Category A | NA |
| High VHF 136-174 Quality Category B | NA |
| High VHF 136-174 Quality Category C | NA |

| Equipment | Link to Contractor |
|---|---------------------------|
| High VHF 136-174 Quality Category D | NA |
| Remote Bass/Repeater Station Digital | |
| UHF 450-470 Quality Category A | NA |
| UHF 450-470 Quality Category B | NA |
| UHF 450-470 Quality Category C | NA |
| UHF 450-470 Quality Category D | NA |
| Remote Bass/Repeater Station Digital | |
| UHF 806-870 Quality Category A | NA |
| UHF 806-870 Quality Category B | NA |
| UHF 806-870 Quality Category C | NA |
| UHF 806-870 Quality Category D | NA |
| Mobile Trunked Digital | |
| High VHF 136-174 Quality Category A | NA |
| High VHF 136-174 Quality Category B | NA |
| High VHF 136-174 Quality Category C | EF Johnson Company |
| High VHF 136-174 Quality Category D | EF Johnson Company |
| Mobile Trunked Digital | |
| UHF 450-470 Quality Category A | NA |
| UHF 450-470 Quality Category B | NA |
| UHF 450-470 Quality Category C | NA |
| UHF 450-470 Quality Category D | NA |
| Mobile Trunked Digital | |
| UHF 806-870 Quality Category A | NA |
| UHF 806-870 Quality Category B | NA |
| UHF 806-870 Quality Category C | EF Johnson Company |
| UHF 806-870 Quality Category D | EF Johnson Company |
| Portable Trunked Digital | |
| High VHF 136-174 Quality Category A | NA |
| High VHF 136-174 Quality Category B | EF Johnson Company |
| High VHF 136-174 Quality Category C | EF Johnson Company |
| High VHF 136-174 Quality Category D | EF Johnson Company |
| Portable Trunked Digital | |
| UHF 450-470 Quality Category A | EF Johnson Company |
| UHF 450-470 Quality Category B | EF Johnson Company |
| UHF 450-470 Quality Category C | EF Johnson Company |
| UHF 450-470 Quality Category D | EF Johnson Company |
| Portable Trunked Digital | |
| UHF 806-870 Quality Category A | NA |
| UHF 806-870 Quality Category B | EF Johnson Company |
| UHF 806-870 Quality Category C | EF Johnson Company |
| UHF 806-870 Quality Category D | EF Johnson Company |
| UHF 800 Quality Category | Not available |

| Equipment | Link to Contractor |
|-------------|--------------------|
| UHF 800 MHz | Not available |

Category 2, Aviation Radios

Link to Specifications: <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category2.doc>

| Equipment | Link to Contractor |
|------------------------|--------------------|
| FM Band Aircraft Radio | Not available |
| AM Band Aircraft Radio | Icom America, Inc. |

Category 3, Dual Receiver, In-Band Repeater

Link to Specifications: <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category3.doc>

| Equipment | Link to Contractor |
|-----------|--------------------|
| | |

Category 4, Gateway Devices:

Link to Specifications: <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category4.doc>

| Equipment | Link to Contractor |
|---|--------------------|
| Category 4, Specifications for ICRI audio switch | Not available |
| Category 4, Specifications for ACU1000 and ACU-5000 added 10/28/2011. | Raytheon/JPS |
| | |
| Category 4 IP Base Solution | Not available |

Category 5, Microwave

Link to Specifications: <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category5.doc>

| Equipment | Capacity | Link to Contractor |
|------------------------------------|--------------|--------------------|
| Hot Standby - Terminal – 6 GHz | 8T, 16T | Alcatel |
| Hot Standby - Terminal – 6 GHz | 28T, OC3 | Aviat US, Inc. |
| Non-Hot Standby – Terminal – 6 GHz | 8T, 16T, OC3 | Alcatel |
| Non-Hot Standby - Terminal – 6 GHz | 28T, OC3 | Aviat US, Inc. |
| Hot Standby – Terminal – 11 GHz | 12T, 16T | Alcatel |
| Hot Standby - Terminal – 11 GHz | 28T, OC3 | Aviat US, Inc. |

| | | |
|-------------------------------------|---------------|----------------|
| Non-Hot Standby – Terminal – 11 GHz | 12T | Alcatel |
| Non-Hot Standby – Terminal – 11 GHz | 16T, 28T, OC3 | Aviat US, Inc. |
| Hot Standby - Terminal – 18 GHz | 16T, 28T | Alcatel |
| Hot Standby - Terminal – 18 GHz | OC3 | Aviat US, Inc. |
| Non-Hot Standby – Terminal – 18 GHz | 16T | Alcatel |
| Non-Hot Standby – Terminal – 18 GHz | 28T, OC3 | Aviat US, Inc. |
| Hot Standby – Terminal – 23 GHz | 16T, 28T, OC3 | Alcatel |
| Non-Hot Standby - Terminal – 23 GHz | 16T | Alcatel |
| Non-Hot Standby - Terminal – 23 GHz | 28T, OC3 | Aviat US, Inc. |
| Hot Standby – Repeater – 6 GHz | 8T, 16T | Alcatel |
| Non-Hot Standby – Repeater – 6 GHz | 8T, 16T, OC3 | Alcatel |
| Non-Hot Standby – Repeater – 6 GHz | 28T | Aviat US, Inc. |
| Hot Standby – Repeater – 6 GHz | 28T, OC3 | Aviat US, Inc. |
| Hot Standby – Repeater – 11 GHz | 16T, 28T, OC3 | Aviat US, Inc. |
| Non-Hot Standby – Repeater – 11 GHz | 16T, 28T, OC3 | Aviat US, Inc. |
| Hot Standby – Repeater – 18 GHz | 16T, 28T | Alcatel |
| Hot Standby – Repeater – 18 GHz | OC3 | Aviat US, Inc. |
| Non-Hot Standby – Repeater – 18 GHz | 16T | Alcatel |
| Non-Hot Standby – Repeater – 18 GHz | 28T, OC3 | Aviat US, Inc. |
| Hot Standby – Repeater – 23 GHz | 16T, 28T, OC3 | Alcatel |
| Non-Hot Standby - Repeater – 23 GHz | 16T | Alcatel |
| Non-Hot Standby - Repeater – 23 GHz | 28T, OC3 | Aviat US, Inc. |

Category 6 Communication Towers

Link to Specifications: <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category6.doc>

| Equipment | Link to Contractor |
|---|--------------------|
| 3-Legged Triangular Self Support Towers | Valmont |
| Guyed Towers | Valmont |

Category 7 Waveguides and Antennas

Link to Specifications: <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category7.doc>

| Equipment | Link to Contractor |
|------------------------------------|------------------------|
| Category 7 Waveguides and Antennas | Radio Frequency System |

Aeroflex – Phase I & II

Category 8, Test Equipment

Link to Specifications: <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category8.doc>

| Equipment | Link to Contractor |
|--------------------|--------------------|
| Digital PROJECT 25 | Aeroflex |

CONTRACTOR INFORMATION

Contractor: [Aeroflex Wichita, Inc.](#)

(Received award for Phase I and Phase II)

Contact: Kim Taylor, Contracts Manager Alternate Contact: Phil Nickel, Area Sales Engineer

Phone: 316-529-5521 Area Sales Engineer 800-835-2352 Ext 313
316 529-5313 Direct

Fax: 316-522-3676 316-524-2623

Email: kim.taylor@aeroflex.com Phil.Nickel@aeroflex.com

Internet address: www.aeroflex.com

Web catalog address:

Federal ID No.: 48-0777904

Supplier No.: W42

Total Contract worth: \$2,200,000 (estimate based on 2012 sales)

Payment address: Aeroflex Wichita, Inc. Order placement address: Aeroflex Wichita, Inc.
10200 West York St 10200 West York St
Wichita, KS 67215 Wichita, KS 67215

Customer Service: Rhonda Bundy

Telephone: 800-835-2352 ext 393

Fax: 316-524-2623

Ordering procedures:

Credit card acceptance: Visa, MasterCard, American Express

Minimum orders:

Delivery time: 6 to 8 weeks After Receipt of Order (ARO)

Payment terms: 0% 30 days

Shipping destination: Freight on Board (FOB) destination

Freight: Prepaid and included

Palletization: N/A

Category [CATEGORY 8, TEST EQUIPMENT](#)

Equipment Line items

Link to bid Specifications <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category8.doc>

Awarded Phase(s) Phase I & II

Volume Discount Program - Phase 1 and Phase 2 all categories

The volume discount will be cumulative and over the term of the contract.

| Additional Discount off Net Contract Unit Price | Cumulative Total Sales from: | Cumulative Total Sales to: |
|--|---------------------------------|-------------------------------|
| 1 % | \$5,000,000 | \$9,999,999 |
| 1 % | \$10,000,000 | \$14,999,999 |
| 1 % | \$15,000,000 | \$19,999,999 |
| 0 % | \$20,000,000 | \$100,000,000+ |

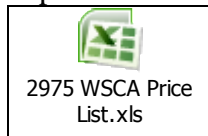
Aeroflex – Phase I & II
Category 8, Test Equipment
Price Sheets

For all Price Lists below: 1 or 2 Units for a Single Order: Discount = 4% off Manufacturer List Price
3 or more Units for a Single Order: Discount 5% off Manufacturer List Price

Digital PROJECT 25

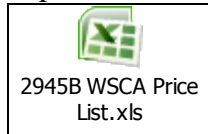
IFR 2975 discontinued, parts are available

September 2009 Price List

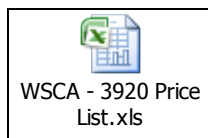


2945B SERIES COMMUNICATIONS SERVICE MONITOR

September 2009 Price List



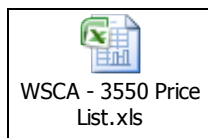
Aeroflex: IFR 3920 Digital Radio Test Set (new options now available)
September 2012 Price List



3550 Handheld Digital Radio Test Set

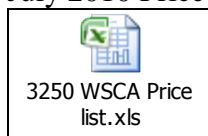
September 2012 Price List

The 3500A test equipment was been discontinued and was replaced by 3550 radio test set. WSCA Contract pricing for 3550 test set equipment is:



3250 Series Spectrum Analyzer

July 2010 Price List



CONTRACTOR INFORMATION

Contractor: **Alcatel-Lucent USA Inc.**

(Received award for Phase I and Phase II)

Page number <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category5.doc>

Contact: Amy Lemons

Alternate Contact: Eric Negley
(770) 750-4435

Phone: 843-743-1139

Fax: 972-477-5157

Email: amy.keck@alcatel-lucent.com

eric.negley@alcatel-lucent.com

Internet address: <http://www.alcatel-lucent.com>

Product Catalog <http://www.ga.wa.gov/pca/contract/02702-Alcatel-Microwave-Network-102804.xls>

Radio:

Product Catalog

Network:



Master ALU Service
Pricing 5-22-2012



Products and
Services Catalog Prici



ALU-WSCA Updates
(05.22.15)



Microwave Radio
Products 1-25-12.pdf

Federal ID No.: 22-3408857

Supplier No.: W1159

Total Contract worth: \$10,700,000 (estimated based on 2012 sales)

Payment address: Alcatel-Lucent USA Inc.

Order placement address:

Alcatel-Lucent USA Inc.
Alcatel-Lucent c/o Order
Administration,
600 March Road, Ottawa, ON
K2K 2E6 CANADA
Phone: 613-784-4227
Toll Free: 800-777-6804
Fax: 613-599-3632
Email address:
order.now@alcatel-lucent.com

Wire Remit Address:

Alcatel-Lucent
J.P. Morgan Chase Bank
Account # 9101449099
ABA # 021000021
New York, NY 10081

Overnight Check Remit Address

Bank of America
6000 Feldwood Road
Lockbox # 100317
College Park, GA 30349

Regular Mailing Address:

Alcatel-Lucent
PO Box 100317
Attn: Accounts Receivable
Atlanta GA 30384-0317

Customer Service: Juanita Brown

Telephone: 613-784-4227

Fax: 613-599-3632

Ordering procedures: Contact Local Sales Rep

Credit card None

acceptance:

Minimum orders: None

Delivery time: 90 days After Receipt of Order (ARO) All Specialized Configurations orders shall not exceed 120 days.
Payment terms: 0% 30 days
Shipping destination: Freight on Board (FOB) destination
Freight: Prepaid and included
Palletization: N/A
Category: Category 5, Microwave
Equipment Line items
Link to bid <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category5.doc>
Specifications
Awarded Phase(s) Phase I & II

Sales Contacts:

Scott Mehal:

States Covered: Washington, Oregon, Idaho, Alaska
Phone: 206-632-5030
Email: scott.mehal@alcatel-lucent.com

Jennie Burgoz:

States Covered: Colorado, Wyoming, Montana, Utah, Oklahoma
Phone: 303-809-3363
Email: jennie.burgoz@alcatel-lucent.com

Bryan Wassom:

States Covered: California, Hawaii
Phone: 925-485-3627
Email: bryan.wassom@alcatel-lucent.com

Reno Moccia:

States Covered: Arizona, New Mexico, Nevada
Phone: 403-213-9747
Email: reno.moccia@alcatel-lucent.com

Authorized Reseller:

1. Scientel Wireless
948 Springer Drive
Lombard, IL 60148
Attn: Larry Dietrick, CEO
Office Phone: (630) 652-3810

Date Authorized 1/22/14

2. LightSpeed Technologies, Inc.
1829 Celeste Drive, Bldg. 1
Wall, NJ 07719
Attn: Tomas Rugel
Office Phone: (732) 938-5100

Date Authorized 6/19/14

3. LightRiver Technologies, Inc.
2150 John Glenn Drive, Suite 200
Concord, CA 94520
Attn: Walt Paskowski
Phone: (978) 427-5622

4. Dice Communications
2504 S 156th Circle
Omaha, NE 68130
Contact: Zach Dice
(402) 964-2288
Email: zdice@dicellc.com

Phase II Category 5, Microwave

Alcatel

| Manufacturer | Freq. Band | Capacity in T1's | Part number | Total Price |
|-------------------------------------|------------|------------------|-------------------------------------|-------------|
| Hot Standby - Terminal – 6 GHz | | | | |
| Alcatel | 6 Ghz | 8T | MDR-8706-8-29-HS | \$21,266 |
| Alcatel | 6 Ghz | 16T | MDR-8706-16-29-HS | \$22,709 |
| Non-Hot Standby – Terminal – 6 GHz | | | | |
| Alcatel | 6 Ghz | 8T | MDR-8706-8-29 | \$12,410 |
| Alcatel | 6 Ghz | 12T | MDR-8706-12-29-NS | \$12,570 |
| Alcatel | 6 Ghz | 16T | MDR-8706-16-29-NS | \$13,007 |
| Hot Standby – Terminal – 11 GHz | | | | |
| Alcatel | 11 GHz | 12T | MDR-8710-12-27-HS | \$24,765 |
| Alcatel | 11 GHz | 16T | MDR-8710-16-27-HS | \$25,699 |
| Non-Hot Standby – Terminal – 11 GHz | | | | |
| Alcatel | 11 GHz | 12T | MDR-8710-12-27-NS | \$14,282 |
| Hot Standby - Terminal – 18 GHz | | | | |
| Alcatel | 18 GHz | 16T | 9418-AWY-16-HS | \$11,406 |
| Alcatel | 18 GHz | 28T | 9418-AWY-28-HS | \$14,233 |
| Non-Hot Standby – Terminal – 18 GHz | | | | |
| Alcatel | 18 GHz | 16T | 9418-AWY-16-NS | \$6,996 |
| Hot Standby – Terminal – 23 GHz | | | | |
| Alcatel | 23 GHz | 16T | 9423-AWY-16-HS (with 1 ft. antenna) | \$12,006 |
| Alcatel | 23 GHz | 28T | 9423-AWY-28-HS (with 1 ft. antenna) | \$14,833 |
| Alcatel | 23 GHz | SONET-OC3 | MDR-9X23S-HS (no DS1 access) | \$29,262 |
| Non-Hot Standby - Terminal – 23 GHz | | | | |
| Alcatel | 23 GHz | 16T | 9423-AWY-16-NS (with 1 ft. antenna) | \$7,596 |
| Hot Standby – Repeater – 6 GHz | | | | |
| Alcatel | 6 GHz | 8T | MDR-8706-8-29-HS | \$41,970 |
| Alcatel | 6 GHz | 16T | MDR-8706-16-29-HS | \$44,855 |
| Non-Hot Standby – Repeater – 6 GHz | | | | |
| Alcatel | 6 GHz | 8T | MDR-8706-8-29-NS | \$24,258 |
| Alcatel | 6 GHz | 16T | MDR-8606-16-29-NS | \$25,451 |
| Alcatel | 6 GHz | SONET-OC3 | MDR-8706s-155-29-NS | \$31,911 |
| Hot Standby – Repeater – 18 GHz | | | | |
| Alcatel | 18 GHz | 16T | 9418-AWY-16-HS | \$21,726 |
| Alcatel | 18 GHz | 28T | 9418-AWY-28-HS | \$25,664 |
| Non-Hot Standby – Repeater – 18 GHz | | | | |
| Alcatel | 18 GHz | 16T | 9418-AWY-16-NS | \$12,906 |
| Hot Standby – Repeater – 23 GHz | | | | |
| Alcatel | 23 GHz | 16T | 9418-AWY-16-NS | \$22,926 |
| Alcatel | 23 GHz | 28T | 9423-AWY-28-HS (with 1 ft. antenna) | \$26,864 |
| Alcatel | | SONET-OC3 | MDR-9X23S-HS (No DS1 access) | \$57,438 |
| Non-Hot Standby - Repeater – 23 GHz | | | | |
| Alcatel | 23 GHz | 16T | 9423-AWY-16-NS (with 1 ft. antenna) | \$14,106 |

WSP System Rack Configuration & Management

Each rack pricing shall contain and/or include:

- 3 ea. WSCA compliant 6 GHz Sonet-OC3, space diversity capable microwave terminal.
- 1 ea. Multi-Service Platform (ATM) Router with 2ea 1-Port OC3, 1ea 3-port DS3, 1ea 4-Port Ethernet and 1ea 8-Port T1 Cards as a standard configuration.
- 2 ea. T1/E1 Channel Bank Multiplexer with 2 FXO, 2 FXS and 12 4-wire E&M Channel Cards as a standard configuration.
- 1ea 1RU Fuse Panel
- 1ea Rack Isolation and Bracing Kit (per R56 Standard)
- Option to add DS3 WSCA compliant Microwave radio

Each rack will need to reserve room for:

- VF Jackfield (2RU)
- T1 / Ethernet RJ045 Jackfield (1RU)
- Wayside T1 Router (1RU)
- Wayside Ethernet 16 port switch (1 RU)

Network Management:

- **All OC3 & DS3 Radios, Multi-Service Platform (ATM) Routers and T1/E1 Channel Bank Multiplexers must be managed by a single Network Management System.**

| | Description | *Qty | Unit | Unit Price | Total Price |
|--------------------|---|------|------|------------|---------------------|
| 1. | Complete Microwave Rack Description *Qty Unit Unit Price Total Price <ul style="list-style-type: none"> • 3 each 6 GHz OC-3, space diversity radios with +29 dBm power output, 7' Seismic rack, 19" wide, with PDU, and grounding kit. • 1 ea. 7270 Multi-Service Platform (ATM)Router with 2ea 1-Port OC3, 3ea 1-port DS3, 1ea 4-Port Ethernet and 1ea 8-Port T1 Cards as a standard configuration. Please see Attachment C for 7270 configuration details • 2 ea. 3630 T1/E1 Channel Bank Multiplexer with 2 FXO, 2 FXS and 12 4-wire E&M Channel ports as a standard configuration. Please see Attachment D for configuration details. • Not included in Microwave rack, but included in solution is the 5620 Network Management. This price reflects network management for 55 racks as described above. Please see Attachment E for configuration details | 1 | EA | \$60,361 | \$60,361 |
| | | 1 | EA | \$43,455 | \$43,455 |
| | | 1 | EA | \$8,540 | \$8,540 |
| | | 1 | EA | \$5,355.45 | \$5,355.45 |
| Total price | | | | | \$117,711.45 |

Response on the 18 and 23 Ghz Space Diversity pricing.

The 18 and 23 Ghz space diversity configurations are non-standard. The configuration is accomplished by combining two non-standby ODU's with a Hot-standby IDU. The manufacturing build cost is similar to the cost to build two non-standby terminals so the pricing has been set up to reflect the non-standby pricing. The pricing for a 18 Ghz OC3 terminal discounted is \$15,701 per the WSCA pricing. Doubling it for the space diversity configuration brings us to the \$31,402. the other 18 and 23 Ghz configurations are similarly priced.

| | Description Not for bid award, this pricing will be use to add and remove equipment as require per site location. | Qty | Unit | Unit Price | Total Price |
|-----|--|------------|-------------|-------------------|--------------------|
| 1. | 6 GHz Sonet-OC3, space diversity capable microwave terminal +29 dBm, Non Standby, Space Diversity | 1 | EA | \$20,363* | \$20,363* |
| 2. | 11 GHz Sonet-OC3, space diversity capable microwave terminal +27 dBm, Non Standby, Space Diversity | 1 | EA | \$21,838* | \$21,838* |
| 3. | 18 GHz Sonet-OC3, space diversity capable microwave terminal | 1 | EA | \$31,402* | \$31,402* |
| 4. | 23 GHz OC3 Sonet-OC3, space diversity capable microwave terminal | 1 | EA | \$32,484* | \$32,484* |
| 5. | 6 GHz DS3 space diversity capable microwave terminal +29 dBm, Non Standby, Space Diversity | 1 | EA | \$17,725* | \$17,725* |
| 6. | 11 GHz DS3 space diversity capable microwave terminal +27 dBm, Non Standby, Space Diversity | 1 | EA | \$19,200* | \$19,200* |
| 7. | 18 GHz DS3 space diversity capable microwave terminal | 1 | EA | \$9,700* | \$9,700* |
| 8. | 23 GHz DS3 space diversity capable microwave terminal | 1 | EA | \$9,700* | \$9,700* |
| 9. | Multi-Service Platform (ATM) Router with 2ea 1-Port OC3, 1ea 3-port DS3, 1ea 4-Port Ethernet and 1ea 8-Port T1 Cards as a standard configuration. | 1 | EA | \$43,455* | \$43,455* |
| 10. | T1/E1 Channel Bank Multiplexer with 2 FXO, 2 FXS and 12 4-wire E&M Channel Cards as a standard configuration. | 1 | EA | \$4,270* | \$4,270* |
| 11. | 1RU Fuse Panel | 1 | EA | \$341* | \$341* |
| 12. | Rack Isolation and Bracing Kit (per R56 Standard | 1 | EA | \$113* | \$113* |
| 13. | 5620 EN Values: • 7470 = 40 points • 7270 = 20 points • 3600 = 10 points • 3630 = 5 points • MDR8000s = 2 points | 1pt | EA | \$125* | \$125* |

*Pricing from the WSCA Contract.

| RF PERFORMANCE 2.47 GHz BAND RADIO | | | | | | | | | | | | | | | | | | |
|---|-------------------------|---|----------------------------|--|-------|-------------|------|--------|--------|-------------|-----|--------|--------|-------------|-----|--------|--|--|
| Purpose The purpose of this section is to define the RF performance characteristics for radio equipment operating in the 2.47 GHz microwave radio band. | Read and Understood | | | | | | | | | | | | | | | | | |
| Regulatory Compliance All radio equipment supplied under this contract shall meet the requirement of the approved Sub-Sections of Volume 47 of the Federal Code of Regulations. | Comply | | | | | | | | | | | | | | | | | |
| Configuration The equipment supplied for this band shall be available in a hot-standby version having redundant receiver, transmitter, power and multiplex components. | Comply | | | | | | | | | | | | | | | | | |
| Frequency Range and Bandwidth The equipment supplied for this band shall comply with the following requirements: | Comply | | | | | | | | | | | | | | | | | |
| <table><tr><td>Capacity</td><td>Frequency in MHz</td><td>RF Bandwidth in MHz</td><td></td></tr><tr><td>2xDS1</td><td>2450-2483.5</td><td>1.25</td><td>Comply</td></tr><tr><td>4 xDS1</td><td>2450-2483.5</td><td>2.5</td><td>Comply</td></tr><tr><td>8 xDS1</td><td>2450-2483.5</td><td>2.5</td><td>Comply</td></tr></table> | Capacity | Frequency in MHz | RF Bandwidth in MHz | | 2xDS1 | 2450-2483.5 | 1.25 | Comply | 4 xDS1 | 2450-2483.5 | 2.5 | Comply | 8 xDS1 | 2450-2483.5 | 2.5 | Comply | | |
| Capacity | Frequency in MHz | RF Bandwidth in MHz | | | | | | | | | | | | | | | | |
| 2xDS1 | 2450-2483.5 | 1.25 | Comply | | | | | | | | | | | | | | | |
| 4 xDS1 | 2450-2483.5 | 2.5 | Comply | | | | | | | | | | | | | | | |
| 8 xDS1 | 2450-2483.5 | 2.5 | Comply | | | | | | | | | | | | | | | |
| Bidders may provide other bandwidths as options. These shall be fully compliant with the current FCC Part 101 technical requirements. | Read and Understood | | | | | | | | | | | | | | | | | |
| Feedline Connection The antenna connection shall be a Type-N female. If an adapter is required to convert from the standard connector on the radio unit, it shall be supplied and included in the unit price. | Comply | | | | | | | | | | | | | | | | | |
| The system shall operate with an antenna system with a peak return loss of 18 dB or greater. | Comply | | | | | | | | | | | | | | | | | |
| A single feedline connection point shall be provided for all radio configurations except space diversity. Space diversity configurations shall have two feedline connection points, one for one receiver and any transmitters and the other for the diversity receiver. | Comply | | | | | | | | | | | | | | | | | |
| RF Power Levels The equipment shall have a minimum output high-power level of +33dBm and low-power level of less than or equal to +15dBm | Comply | The high-power level will be + 34 dBm. Low-power level will be + 14 dBm. | | | | | | | | | | | | | | | | |
| Power levels shall be measured at the feedline connection point and shall include all branching losses. Hot-standby configurations may have power levels reduced from the levels listed above to account for switching losses. | Comply | | | | | | | | | | | | | | | | | |

| | | |
|--|--------|--|
| Automatic transmitter power control (ATPC) shall be available as an option. It shall be capable of being disabled in the field by operator programming. | Comply | |
| General Transmitter Specifications | | |
| Frequency stability shall be ± 0.001 percent or greater over the full operating range of the equipment. | Comply | |
| The transmitter shall be fully solid state. | Comply | |
| Failure of a redundant amplifier in hot-standby configurations shall not reduce the power output from the radio. | Comply | |
| Replacement of a failed redundant (standby) amplifier shall not cause a system outage. | Comply | |
| The transmitter shall be equipped with ability to monitor output power and frequency on an in-service basis. | Comply | |
| Receiver Thresholds | | |
| Receivers shall have the following guaranteed receive thresholds as a maximum level to obtain a BER 1×10^{-3} in a non-protected configuration. | Comply | |

| | | |
|--|--------|--|
| Guaranteed capacity at minimum Received Signal Level (RSL) in dBm as listed below. | | |
| 2 - DS-1 -87 | Comply | |
| 4 - DS-1 -84 | Comply | |
| 8 - DS-1 -77 | Comply | |
| Received threshold levels shall be measured at the feedline connection point and shall include all branching losses. | Comply | |
| Interference Criteria Threshold to interference (T/I) ratios for a like signal required are shown below for the following scenarios: | Comply | |
| 2 DS-1 4 DS-1 8 DS-1 | | |
| Co-Channel | | |
| 28 28 28 | Comply | |
| Adjacent Channel | | |
| -8 -8 -8 | Comply | |
| General Receiver Specifications | | |
| The receiver frequency stability shall be ± 0.001 percent or better over the operating range of the receiver. | Comply | |
| The receiver shall have a maximum received signal limit of not less than -17dBm when at a $1 \text{ in } 10^{-3}$ BER. | Comply | |
| The dynamic range of the receiver shall be a minimum of 58 dB. | Comply | |

| Req. Item | Description | *Qty | Unit | Unit Price | Total Price |
|--|--|-------------|-------------|-------------------|---|
| 1 | 2.47 GHz, Digital Radio, Hot Standby, 2XDS1, High Power (+34dBm) <i>For Product Bid State:</i> <i>Mfg.: Alcatel USA Marketing, Inc.</i> <i>Brand/Model: <u>MDR-8502-2-34-HS</u></i> | 10 | EA | \$19,883.00 | \$198,830.00 |
| 2. | 2.47 GHz, Digital Radio, Hot Standby, 4XDS1, High Power (+34dBm) <i>For Product Bid State:</i> <i>Mfg.: Alcatel USA Marketing, Inc.</i> <i>Brand/Model: <u>MDR-8502-4-34-HS</u></i> | 10 | EA | \$20,644.00 | \$206,440.00 |
| 3. | 2.47 GHz, Digital Radio, Hot Standby, 8XDS1, High Power (+34dBm) <i>For Product Bid State:</i> <i>Mfg.: Alcatel USA Marketing, Inc.</i> <i>Brand/Model: <u>MDR-8702-8-34-HS</u></i> | 10 | EA | \$21,928.00 | \$219,280.00 |
| Total price for bid evaluation and award | | | | | \$624,550.00 |
| The listed prices represent % off manufacturer list price | | | | | 45,47 & 51% Respectively |

*The Qty is an estimate usage; the actual qty will be dependent on funding and the final system design.

CONTRACTOR INFORMATION

Contractor: **Daniels Electronics, Ltd dba Codan Radio Communications**

(Received award for Phase I)

Contact: Steve Chipok, Program
Manager

Phone: (585) 419-9970

Fax: (585) 419-9971

Email: Steve.chipok@codanradio.com

Internet address: www.codanradio.com

Product catalog address: <http://www.ga.wa.gov/pca/contract/02702-Daniels-Radio-100704.pdf>

Federal ID No.: 98-0427975

Supplier No.: W3347

Total Contract worth: \$1,870,000 (estimate based on 2012 sales)

Payment address: Codan Radio Communications
43 Erie Street,
Victoria, BC, Canada V8V 1P8

Order placement address: Codan Radio Communications
43 Erie Street,
Victoria, BC, Canada V8V 1P8

Customer Service: Don Brown

Telephone: 1-800-664-4066

Fax: 1-877-750-0004

Ordering procedures:

Credit card acceptance: VISA, MasterCard

Minimum orders:

Delivery time: 120 Days ARO

Payment terms: 2% Net 20

Shipping destination: Free on Board (FOB) Destination

Freight: Prepaid and included

Palletization:

Category

Equipment Line items

Link to bid Specifications

Link to Price Sheets

Awarded Phase(s) Phase I

Price List: Codan Radio Communications: Contract Price List



Codan Discontinued Products (highlighted in yellow)



SERVICING: Indicate below the names and addresses of sales representatives and specific territories covered. Proposer's ability to service state agencies including local sales representation may be a factor in the award. Contractor must provide immediate attention to problem areas as they arise regardless of location. Submit an attached letter if necessary.

NAME: Alster Communications LLC
ADDRESS: PO Box 12428
Mill Creek, WA 98082
TERRITORY: AK, WA, OR, ID, HI, MT
PHONE: (425) 379 – 7574

NAME: Aurora Marketing
ADDRESS: 2018 South Pontiac Drive
Denver, CO 80224
TERRITORY: MT, ID, WY, UT, CO, NM, TX
PHONE: (303) 758-3051

NAME: DacoM
ADDRESS: 6119-A 27th St
Sacramento, CA 95822
TERRITORY: Northern CA, Northern NV
PHONE: (916) 422-3453

NAME: Bassett Sales Corporation
ADDRESS: 1101 Chestnut Street
Burbank CA
TERRITORY: Southern CA, Southern NV, AZ
PHONE: 800 422 1003

FACTORY AUTHORIZED SERVICE:

Factory authorized service must be available in the destination area. List your service centers including name and address of each.

FIRM NAME: Daniels Electronics Ltd.
ADDRESS: 43 Erie Street , Victoria, BC
V8V 1P8 Canada

SERVICE CENTERS

Daniels Electronics Ltd., 43 Erie Street, Victoria BC, Canada, 1-800-664-4066

Ship to:

Daniels Electronics Ltd.
c/o The Victoria Clipper
2701 Alaskan Way, Pier 69
Seattle, WA 98121

CONTRACTOR INFORMATION

Contractor: **EF Johnson Company**

Received award for Phase I and Phase II)

Contact: Jessica Vo

Alternate

Lisa Beyer

Contact:

Phone: 972-819-2394

414-460-7858

Fax: 972-819-2315

lbeyer@efji.com

Email: jvo@efji.com

Internet address: www.efjohnson.com

Washington Sales Rep. David Rogers

Web catalog address:

Phone: (360) 600-3295

Federal ID No.: 41-0736849

Supplier No.: W1270

Total Contract worth: \$26,000 (estimate based on 2012 sales)

Payment address: EFJohnson

Order placement

EFJohnson

PO Box 202988

address:

Attn: Order Admin

Dallas, TX 75320-2988

1440 Corporate Drive

Irving, TX 75038-2401

Phone 972-819-2360

Fax 972-819-2307

Customer Service: Bill Barr

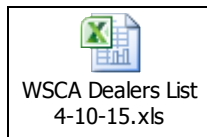
E-mail: BBarr@efji.com

Telephone: 972-819-0727

Fax: 972-819-0851

EF Johnson Company The list of Authorized Dealers has been updated effective June 22, 1010.

Authorized Dealers:



Ordering procedures:

Credit card acceptance: None

Minimum orders:

Currently Installed 20% off Manufacturer List Price

Systems, upgrade

equipment, radio

equipment and accessories

Support Services \$175 per hour (effective 10/1/12)

Installation Services \$175 per hour (effective 10/1/12)

Repair Services \$175 per hour (effective 10/1/12)

Delivery time: Negotiated days After Receipt of Order (ARO)

Payment terms: 0% 30 days

Shipping destination: Freight on Board (FOB) destination

Freight: Prepaid and included

Palletization: N/A

Category Category 1

Equipment Line items

Awarded Phase(s) Phase I & II

EF JOHNSON Phase I Price Sheet

DISCOUNTS ON PHASE I PRODUCTS & SERVICES

| EFJOHNSON- WSCA DISCOUNT MATRIX (Revised 10/31/12) | |
|--|------------|
| RADIO MODEL SERIES (REFER TO MANUF. PRICE PAGES): | DISCOUNT % |
| P25 DIGITAL MOBILE: | |
| 5300 ES Mobile | 20% |
| 53SL ES Mobile | 20% |
| P25 DIGITAL PORTABLE RADIOS: | |
| VP900 Series Portable | 20% |
| VP600 Series Portable | 20% |
| 5100 ES Portable | 20% |
| 51SL ES Portable | 20% |
| ANALOG MOBILES: | |
| 5300 ES Mobile | 20% |
| 53SL ES Mobile | 20% |
| ANALOG PORTABLE RADIOS: | |
| VP600 Series Portable | 20% |
| 5100 ES Portable | 20% |
| 51SL ES Portable | 20% |
| INFRASTRUCTURE / FIXED EQUIPMENT / OTHER: | |
| Atlas Series Equipment | 20% |
| Asset Management Software & Services | 20% |
| Support Services | \$225/Hr |
| Installation Services | \$225/Hr |
| Repair Services | \$225/Hr |
| Most services, such as engineering, program management, training, etc., are usually sold on a per man day basis, rather than an hourly basis, the daily rate is \$1,350. per Man Day (8 hours) | |

Upon request and at no charge EFJohnson will provide contract customers a copy of the manufacturer's reference product price list to determine net contract price(s) after application of above discount.

EF JOHNSON Phase I Sample Radio Configurations

The following EFJohnson radio configurations are samples of the radios that are available on the WSCA contract. Contract users should contact EF Johnson representative for other versions and frequency bands of each series of radio models.

The base model comes standard with the following features and accessories with capability to upgrade to other options.

| MODEL NO. | DESCRIPTION | WSCA CONTRACT PRICE |
|--|--|---------------------------|
| VHF FREQUENCY BAND (136 – 174 MHZ): | | |
| P25 DIGITAL TRUNKED PORTABLE RADIOS: | | |
| The base model comes standard with the following features and accessories with capability to upgrade to other options. | | |
| VP600 Base model Includes: 1024 Channel/Talkgroups, Backlit Front and Top dual, APCO25 Phase 2 TDMA upgrade capable, IP Submersible specification, Lilon battery pack, antenna and standard belt clip with standard 2-year warranty. VP900 Base model Includes: 2048 Channel/Talkgroups, Backlit Front and Top dual, IP Submersible specification, Lilon battery pack, antenna and standard belt clip with standard 2-year warranty. 5100 ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, <i>MIL Std. 810</i> , Black rugged housing, NiMH Battery, antenna and standard belt clip with standard 1-year warranty. 51FIRE ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, NiMH Battery Pack, FM Intrinsically Safe, Immersible IP-67, Immersion Housing, High Visibility Yellow <i>FIRE ES</i> housing, antenna and standard belt clip with standard 1-year warranty. 51SL ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, <i>MIL Std. 810</i> , Black rugged housing, NiMH Battery, antenna and standard belt clip with standard 1-year warranty. | | |
| 242-571C-653IF8 | Viking VP600 Portable » Model III » 136-174 MHz » Imersion Housing » 136-174MHz Wideband Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional/P25 Trunking » 1024 Channels/Talkgroups | \$2,232.00 |
| 242-571B-653IF8 | Viking VP600 Portable » Model II » 136-174 MHz » Imersion Housing » 136-174MHz Wideband Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional/P25 Trunking » 1024 Channels/Talkgroups | \$2,020.00 |
| 242-5AAC-A53PZ8 | Viking VP900 Portable » Model III » Multi-Band 700/800 MHz + VHF » Immersion Housing » 700/800 MHz and VHF Dual Band, ½ Wave Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional/P25 Trunking » 2048 Channels/Talkgroups | \$2,860.00 |
| 242-5AAA-A53PZ8 | Viking VP900 Portable » Model I » Multi-Band 700/800 MHz + VHF » Immersion Housing » 700/800 MHz and VHF Dual Band, ½ Wave Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional/P25 Trunking » 2048 Channels/Talkgroups | \$2,540.00 |
| 242-511C-640MW6 | 5100 ES Portable » Model III » VHF » 136-174 MHz Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional/P25 Trunking » 864 Channels/Talkgroups | \$2,444.00 |

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| 242-511B-640MW6 | 5100 ES Portable » Model II » VHF » 136-174 MHz Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional/P25 Trunking » 864 Channels/Talkgroups | \$2,224.00 |
| 242-521F-674CU6 | 51FIRE ES » Model III » FM IS » VHF » 136-174 MHz Antenna » NiMH Battery Pack, FM IS » High Visibility Yellow Immersion Housing » P25 AMBE+2 » Conventional/P25 Trunking » 512 Channels/Talkgroups » MDC1200/GESTAR » FIRESafe Command | \$2,212.00 |
| 242-521E-674FE6 | 51FIRE ES » Model II » FM IS » VHF » 136-174 MHz Antenna » NiMH Battery Pack, FM IS » High Visibility Yellow Immersion Housing » P25 AMBE+2 » Conventional/P25 Trunking » 512 Channels/Talkgroups » MDC1200/GESTAR » FIRESafe First Responder | \$1,952.00 |
| 242-521B-640KA6 | 51SL ES Portable » Model II » VHF » 136-174 MHz Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional/P25 Trunking » 512 Channels/Talkgroups | \$1,552.00 |

ACCESSORIES AND OPTIONS:

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| OPTION TIME OF PURCHASE ONLY | Portable Viking VP600/VP900, High Visibility Housing | \$160.00 |
| OPTION TIME OF PURCHASE ONLY | Portable Viking VP900, Enable Internal GPS (Must include P25 Data Option) | \$80.00 |
| 587-5700-374 | Viking VP600/VP900 Li-Ion Ultra-High Capacity Battery Pack, Immersion Rated | \$104.00 |
| 587-5100-373 | ES NiMH Extra-High Capacity Battery Pack, Immersion Rated, FM IS | \$100.00 |
| 587-5100-374 | ES Lithium Polymer Ultra-High Capacity Battery Pack, Immersion Rated | \$104.00 |
| 563-0600-235 | Viking VP600/V900 Single Bay Charger | \$100.00 |
| 250-5100-315 | Tri-Chemistry Charger/Conditioner with Switched Power Supply, Rapid Rate | \$120.00 |
| 589-3600-05225 | Viking VP600/VP900 Speaker Microphone with Emergency button, 3.5mm, Jack, 25" | \$120.00 |
| 589-0015-057 | ES Speaker Microphone (Intrinsically Safe) | \$104.00 |
| 508-4600-611 | Viking VP600 Leather Case with Belt Loop, Model II | \$56.00 |
| 508-4600-612 | Viking VP600/VP900 Leather Case with 3" D-Swivel Belt Loop, Model III | \$56.00 |
| 585-5100-14010 | ES Leather Case with 3" D-Swivel Belt Loop, Model I and II | \$56.00 |
| 585-5100-14012 | ES Leather Case with 3" D-Swivel Belt Loop, Model III | \$56.00 |
| | <i>See Price Pages for complete accessories and options</i> | |

P25 DIGITAL TRUNKED MOBILE RADIOS:

The base model comes standard with the following features and accessories with capability to upgrade to other options.

53SL ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, Electronic Tilt Display, LCD display, with standard 1-year warranty.

5300 ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, Electronic Tilt Display, LCD display, with standard 1-year warranty.

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| 242-531G-20A-AFAN6 | 5300 ES Mobile » Dash Mount » VHF 50 Watt » Lightning Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional / P25 Trunking » 864 Channels/Talkgroups | \$3,624.00 |
| 242-531G-201-AFAN6 | 5300 ES Mobile » Dash Mount » VHF 50 Watt » Basic Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional / P25 Trunking » 864 Channels/Talkgroups | \$3,008.00 |
| 242-541G-20A-AFAB6 | 53SL ES Mobile » Dash Mount » VHF 50 Watt » Lightning Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional / P25 Trunking » 512 Channels/Talkgroups | \$2,940.00 |
| 242-541G-201-AFAB6 | 53SL ES Mobile » Dash Mount » VHF 50 Watt » Basic Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional / P25 Trunking » 512 Channels/Talkgroups | \$2,324.00 |
| ACCESSORIES AND OPTIONS: | | |
| 250-5300-002 | 5300 ES Remote Control Head Conversion Kit, Single or Dual (Includes ES remote shroud with blank faceplate, mounting bracket, 17' remote cable, and single / remote accessory cable) | \$380.00 |
| 501-0012-001 | VHF & UHF tunable 1/4 wave whip roof-mount antenna with "N" connector (No adapter required) | \$44.00 |
| 250-4001-202 | 15 amp 120V Power Supply with cabinet and radio power cable | \$236.00 |
| | <i>See Price Pages for complete accessories and options</i> | |
| P25 DIGITAL CONVENTIONAL PORTABLE RADIOS: | | |
| The base model comes standard with the following features and accessories with capability to upgrade to other options. | | |
| VP600 Base model Includes: 1024 Channel/Talkgroups, Backlit Front and Top dual, APCO25 Phase 2 TDMA upgrade capable, IP Submersible specification, Lilon battery pack, antenna and standard belt clip with standard 2-year warranty. | | |
| VP900 Base model Includes: 2048 Channel/Talkgroups, Backlit Front and Top dual, IP Submersible specification, Lilon battery pack, antenna and standard belt clip with standard 2-year warranty. | | |
| 5100 ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, <i>MIL Std. 810</i> , Black rugged housing, NiMH Battery, antenna and standard belt clip with standard 1-year warranty. | | |
| 51FIRE ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, NiMH Battery Pack, FM Intrinsically Safe, Immersible IP-67, Immersion Housing, High Visibility Yellow <i>FIRE ES</i> housing, antenna and standard belt clip with standard 1-year warranty. | | |
| 51SL ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, <i>MIL Std. 810</i> , Black rugged housing, NiMH Battery, antenna and standard belt clip with standard 1-year warranty. | | |
| 242-571C-653MV8 | Viking VP600 Portable » Model III » 136-174 MHz » Imersion Housing » 136-174 MHz Wideband Antenna » Viking Lilon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional » 1024 Channels/Talkgroups | \$2,120.00 |
| 242-571B-653MV8 | Viking VP600 Portable » Model II » 136-174 MHz » Imersion Housing » 136-174 MHz Wideband Antenna » Viking Lilon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional » 1024 Channels/Talkgroups | \$1,920.00 |
| 242-5AAC-A53QG8 | Viking VP900 Portable » Model III » Multi-Band 700/800 MHz + VHF » Immersion Housing » 700/800 MHz and VHF Dual Band, ½ Wave Antenna » Viking Lilon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional » 2048 Channels/Talkgroups | \$2,760.00 |

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| 242-5AAA-A53QG8 | Viking VP900 Portable » Model I » Multi-Band 700/800 MHz + VHF » Immersion Housing » 700/800 MHz and VHF Dual Band, ½ Wave Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional » 2048 Channels/Talkgroups | \$2,440.00 |
| 242-511C-640MU6 | 5100 ES Portable » Model III » VHF » 136-174 MHz Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional System » 864 Channels/Talkgroups | \$2,344.00 |
| 242-511CB-640MU6 | 5100 ES Portable » Model II » VHF » 136-174 MHz Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional System » 864 Channels/Talkgroups | \$2,124.00 |
| 242-521F-674MX6 | 51FIRE ES » Model III » FM IS » VHF » 136-174 MHz Antenna » NiMH Battery Pack, FM IS » High Visibility Yellow Immersion Housing » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups » MDC1200/GESTAR » FIRESafe Command | \$2,112.00 |
| 242-521E-674MY6 | 51FIRE ES » Model II » FM IS » VHF » 136-174 MHz Antenna » NiMH Battery Pack, FM IS » High Visibility Yellow Immersion Housing » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups » MDC1200/GESTAR » FIRESafe First Responder | \$1,852.00 |
| 242-521B-640BC6 | 51SL ES Portable » Model II » VHF » 136-174 MHz Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups | \$1,452.00 |
| ACCESSORIES AND OPTIONS: | | |
| OPTION TIME OF PURCHASE ONLY | Portable Viking VP600/VP900, High Visibility Housing | \$160.00 |
| OPTION TIME OF PURCHASE ONLY | Portable Viking VP900, Enable Internal GPS (Must include P25 Data Option) | \$80.00 |
| 587-5700-374 | Viking VP600/VP900 Li-Ion Ultra-High Capacity Battery Pack, Immersion Rated | \$104.00 |
| 587-5100-373 | ES NiMH Extra-High Capacity Battery Pack, Immersion Rated, FM IS | \$100.00 |
| 587-5100-374 | ES Lithium Polymer Ultra-High Capacity Battery Pack, Immersion Rated | \$104.00 |
| 563-0600-235 | Viking VP600/VP900 Single Bay Charger | \$100.00 |
| 250-5100-315 | Tri-Chemistry Charger/Conditioner with Switched Power Supply, Rapid Rate | \$120.00 |
| 589-3600-05225 | Viking VP600/VP900 Speaker Microphone with Emergency button, 3.5mm, Jack, 25" | \$120.00 |
| 589-0015-057 | ES Speaker Microphone (Intrinsically Safe) | \$104.00 |
| 508-4600-611 | Viking VP600 Leather Case with Belt Loop, Model II | \$56.00 |
| 508-4600-612 | Viking VP600/VP900 Leather Case with 3" D-Swivel Belt Loop, Model III | \$56.00 |
| 585-5100-14010 | ES Leather Case with 3" D-Swivel Belt Loop, Model I and II | \$56.00 |
| 585-5100-14012 | ES Leather Case with 3" D-Swivel Belt Loop, Model III | \$56.00 |
| | <i>See Price Pages for complete accessories and options</i> | |
| P25 DIGITAL CONVENTIONAL MOBILE RADIOS: | | |
| The base model comes standard with the following features and accessories with capability to upgrade to other options. | | |
| 53SL ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, Electronic Tilt Display, LCD | | |

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| display, with standard 1-year warranty. 5300 ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, Electronic Tilt Display, LCD display, with standard 1-year warranty. | | |
| 242-531G-20A-AAAN6 | 5300 ES Mobile » Dash Mount » VHF 50 Watt » Lightning Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional System » 864 Channels/Talkgroups | \$3,344.00 |
| 242-531G-201-AAAN6 | 5300 ES Mobile » Dash Mount » VHF 50 Watt » Basic Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional System » 864 Channels/Talkgroups | \$2,728.00 |
| 242-541G-20A-AAAB6 | 53SL ES Mobile » Dash Mount » VHF 50 Watt » Lightning Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups | \$2,760.00 |
| 242-541G-201-AAAB6 | 53SL ES Mobile » Dash Mount » VHF 50 Watt » Basic Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups | \$2,144.00 |
| ACCESSORIES AND OPTIONS: | | |
| 250-5300-002 | 5300 ES Remote Control Head Conversion Kit, Single or Dual (Includes ES remote shroud with blank faceplate, mounting bracket, 17' remote cable, and single / remote accessory cable) | \$380.00 |
| 501-0012-001 | VHF & UHF tunable 1/4 wave whip roof-mount antenna with "N" connector (No adapter required) | \$44.00 |
| 250-4001-202 | 15 amp 120V Power Supply with cabinet and radio power cable | \$236.00 |
| | <i>See Price Pages for complete accessories and options</i> | |
| UHF FREQUENCY BAND (380-470 MHz): | | |
| P25 DIGITAL TRUNKED PORTABLE RADIOS: | | |
| The base model comes standard with the following features and accessories with capability to upgrade to other options. | | |
| VP600 Base model Includes: 1024 Channel/Talkgroups, Backlit Front and Top dual, APCO25 Phase 2 TDMA upgrade capable, IP Submersible specification, Lilon battery pack, antenna and standard belt clip with standard 2-year warranty. | | |
| 5100 ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, <i>MIL Std. 810</i> , Black rugged housing, NiMH Battery, antenna and standard belt clip with standard 1-year warranty. | | |
| 51FIRE ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, NiMH Battery Pack, FM Intrinsically Safe, Immersible IP-67, Immersion Housing, High Visibility Yellow <i>FIRE ES</i> housing, antenna and standard belt clip with standard 1-year warranty. | | |
| 51SL ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, <i>MIL Std. 810</i> , Black rugged housing, NiMH Battery, antenna and standard belt clip with standard 1-year warranty. | | |
| 242-572C-453IF8 | Viking VP600 Portable » Model III » 380-470 MHz » Imersion Housing » 380-470 MHz Antenna » Viking Lilon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional/P25 Trunking » 1024 Channels/Talkgroups | \$2,220.00 |
| 242-572B-453IF8 | Viking VP600 Portable » Model II » 380-470 MHz » Imersion Housing » 380-470 MHz Antenna » Viking Lilon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional/P25 Trunking » 1024 Channels/Talkgroups | \$2,020.00 |

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| 242-512C-440MW6 | 5100 ES Portable » Model III » UHF R1 » 380-520 MHz Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional/P25 Trunking » 864 Channels/Talkgroups | \$2,432.00 |
| 242-512B-440MW6 | 5100 ES Portable » Model II » UHF R1 » 380-520 MHz Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional/P25 Trunking » 864 Channels/Talkgroups | \$2,212.00 |
| 242-522F-474CU6 | 51FIRE ES » Model III » FM IS » UHF R1 » 380-520 MHz Antenna » NiMH Battery Pack, FM IS » High Visibility Yellow Immersion Housing » P25 AMBE+2 » Conventional/P25 Trunking » 512 Channels/Talkgroups » MDC1200/GESTAR » FIRESafe Command | \$2,200.00 |
| 242-522E-474FE6 | 51FIRE ES » Model II » FM IS » UHF R1 » 380-520 MHz Antenna » NiMH Battery Pack, FM IS » High Visibility Yellow Immersion Housing » P25 AMBE+2 » Conventional/P25 Trunking » 512 Channels/Talkgroups » MDC1200/GESTAR » FIRESafe First Responder | \$1,940.00 |
| 242-522B-440KA6 | 51SL ES Portable » Model II » UHF R1 » 380-520 MHz Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional/P25 Trunking » 512 Channels/Talkgroups | \$1,540.00 |
| ACCESSORIES AND OPTIONS: | | |
| OPTION TIME OF PURCHASE ONLY | Portable Viking VP600/VP900, High Visibility Housing | \$160.00 |
| 587-5700-374 | Viking VP600 Li-Ion Ultra-High Capacity Battery Pack, Immersion Rated | \$104.00 |
| 587-5100-373 | ES NiMH Extra-High Capacity Battery Pack, Immersion Rated, FM IS | \$100.00 |
| 587-5100-374 | ES Lithium Polymer Ultra-High Capacity Battery Pack, Immersion Rated | \$104.00 |
| 563-0600-235 | Viking VP600 Single Bay Charger | \$100.00 |
| 250-5100-315 | Tri-Chemistry Charger/Conditioner with Switched Power Supply, Rapid Rate | \$120.00 |
| 589-3600-05225 | Viking VP600 Speaker Microphone with Emergency button, 3.5mm, Jack, 25" | \$120.00 |
| 589-0015-057 | ES Speaker Microphone (Intrinsically Safe) | \$104.00 |
| 508-4600-611 | Viking VP600 Leather Case with Belt Loop, Model II | \$56.00 |
| 508-4600-612 | Viking VP600 Leather Case with 3" D-Swivel Belt Loop, Model III | \$56.00 |
| 585-5100-14010 | ES Leather Case with 3" D-Swivel Belt Loop, Model I and II | \$56.00 |
| 585-5100-14012 | ES Leather Case with 3" D-Swivel Belt Loop, Model III | \$56.00 |
| | <i>See Price Pages for complete accessories and options</i> | |
| P25 DIGITAL TRUNKED MOBILE RADIOS: | | |
| The base model comes standard with the following features and accessories with capability to upgrade to other options. | | |
| 53SL ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, Electronic Tilt Display, LCD display, with standard 1-year warranty. | | |
| 5300 ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, Electronic Tilt Display, LCD display, with standard 1-year warranty. | | |

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| 242-536C-20A-AFAN6 | 5300 ES Mobile » Dash Mount » UHF » Lightning Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional / P25 Trunking » 864 Channels/Talkgroups | \$3,736.00 |
| 242-536C-201-AFAN6 | 5300 ES Mobile » Dash Mount » UHF » Basic Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional / P25 Trunking » 864 Channels/Talkgroups | \$3,120.00 |
| 242-546C-20A-AFAB6 | 53SL ES Mobile » Dash Mount » UHF » Lightning Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional / P25 Trunking » 512 Channels/Talkgroups | \$3,052.00 |
| 242-546C-201-AFAB6 | 53SL ES Mobile » Dash Mount » UHF » Basic Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional / P25 Trunking » 512 Channels/Talkgroups | \$2,436.00 |
| ACCESSORIES AND OPTIONS: | | |
| 250-5300-002 | 5300 ES Remote Control Head Conversion Kit, Single or Dual (Includes ES remote shroud with blank faceplate, mounting bracket, 17' remote cable, and single / remote accessory cable) | \$380.00 |
| 501-0012-001 | VHF & UHF tunable 1/4 wave whip roof-mount antenna with "N" connector (No adapter required) | \$44.00 |
| 250-4001-202 | 15 amp 120V Power Supply with cabinet and radio power cable | \$236.00 |
| | See Price Pages for complete accessories and options | |
| P25 DIGITAL CONVENTIONAL PORTABLE RADIOS: | | |
| The base model comes standard with the following features and accessories with capability to upgrade to other options. | | |
| 5100 ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, MIL Std. 810 , Black rugged housing, NiMH Battery, antenna and standard belt clip with standard 1 year warranty. | | |
| 51SL ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, MIL Std. 810 , Black rugged housing, NiMH Battery, antenna and standard belt clip with standard 1 year warranty. | | |
| 51FIRE ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, NiMH Battery Pack, FM Intrinsically Safe, Immersible IP-67, Immersion Housing, High Visibility Yellow FIRE ES housing, antenna and standard belt clip with standard 1 year warranty. | | |
| VP600 Base model Includes: 1024 Channel/Talkgroups, Backlit Front and Top dual display (all models come with top display, APCO25 Phase 2 TDMA upgrade capable, IP Submersible specification, standard two year warranty, Lilon battery pack, antenna and standard belt clip with standard 2 year warranty. | | |
| 242-572C-453MV8 | Viking VP600 Portable » Model III » 380-470MHZ MHz » Imersion Housing » 380-470 MHz Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional » 1024 Channels/Talkgroups | \$2,120.00 |
| 242-572B-453MV8 | Viking VP600 Portable » Model II » 380-470MHZ MHz » Imersion Housing » 380-470 MHz Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional » 1024 Channels/Talkgroups | \$1,920.00 |
| 242-512C-440MU6 | 5100 ES Portable » Model III » UHF R1 » 380-470 MHz Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional System » 864 Channels/Talkgroups | \$2,332.00 |
| 242-512B-440BC6 | 5100 ES Portable » Model II » UHF R1 » 380-520 MHz Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups | \$1,912.00 |

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| 242-522F-474MX6 | 51FIRE ES » Model III » FM IS » UHF R1 » 380-520 MHz Antenna » NiMH Battery Pack, FM IS » High Visibility Yellow Immersion Housing » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups » MDC1200/GESTAR » FIRESafe Command | \$2,100.00 |
| 242-522E-474MY6 | 51FIRE ES » Model II » FM IS » UHF R1 » 380-520 MHz Antenna » NiMH Battery Pack, FM IS » High Visibility Yellow Immersion Housing » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups » MDC1200/GESTAR » FIRESafe First Responder | \$2,020.00 |
| 242-522B-440BC6 | 51SL ES Portable » Model II » UHF R1 » 380-520 MHz Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups | \$1,468.00 |
| ACCESSORIES AND OPTIONS: | | |
| OPTION TIME OF PURCHASE ONLY | Portable Viking VP600/VP900, High Visibility Housing | \$160.00 |
| 587-5700-374 | Viking VP600 Li-Ion Ultra-High Capacity Battery Pack, Immersion Rated | \$104.00 |
| 587-5100-373 | ES NiMH Extra-High Capacity Battery Pack, Immersion Rated, FM IS | \$100.00 |
| 587-5100-374 | ES Lithium Polymer Ultra-High Capacity Battery Pack, Immersion Rated | \$104.00 |
| 563-0600-235 | Viking VP600 Single Bay Charger | \$100.00 |
| 250-5100-315 | Tri-Chemistry Charger/Conditioner with Switched Power Supply, Rapid Rate | \$120.00 |
| 589-3600-05225 | Viking VP600 Speaker Microphone with Emergency button, 3.5mm, Jack, 25" | \$120.00 |
| 589-0015-057 | ES Speaker Microphone (Intrinsically Safe) | \$104.00 |
| 508-4600-611 | Viking VP600 Leather Case with Belt Loop, Model II | \$56.00 |
| 508-4600-612 | Viking VP600 Leather Case with 3" D-Swivel Belt Loop, Model III | \$56.00 |
| 585-5100-14010 | ES Leather Case with 3" D-Swivel Belt Loop, Model I and II | \$56.00 |
| 585-5100-14012 | ES Leather Case with 3" D-Swivel Belt Loop, Model III | \$56.00 |
| | <i>See Price Pages for complete accessories and options</i> | |
| P25 DIGITAL CONVENTIONAL MOBILE RADIOS: | | |
| 53SL ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, Electronic Tilt Display, LCD display, with standard 1-year warranty. | | |
| 5300 ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, Electronic Tilt Display, LCD display, with standard 1-year warranty. | | |
| 242-536C-20A-AAAN6 | 5300 ES Mobile » Dash Mount » UHF » Lightning Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional System » 864 Channels/Talkgroups | \$3,456.00 |
| 242-536C-201-AAAN6 | 5300 ES Mobile » Dash Mount » UHF » Basic Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional System » 864 Channels/Talkgroups | \$2,840.00 |
| 242-546C-20A-AAAB6 | 53SL ES Mobile » Dash Mount » UHF » Lightning Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups | \$2,872.00 |

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| 242-546C-201-AAAB6 | 53SL ES Mobile » Dash Mount » UHF » Basic Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups | \$2,256.00 |
| ACCESSORIES AND OPTIONS: | | |
| 250-5300-002 | 5300 ES Remote Control Head Conversion Kit, Single or Dual (Includes ES remote shroud with blank faceplate, mounting bracket, 17' remote cable, and single / remote accessory cable) | \$380.00 |
| 501-0012-001 | VHF & UHF tunable 1/4 wave whip roof-mount antenna with "N" connector (No adapter required) | \$44.00 |
| 250-4001-202 | 15 amp 120V Power Supply with cabinet and radio power cable | \$236.00 |
| | <i>See Price Pages for complete accessories and options</i> | |
| 7/800 FREQUENCY BAND (764 – 870 MHZ): | | |
| P25 DIGITAL TRUNKED PORTABLE RADIOS: | | |
| The base model comes standard with the following features and accessories with capability to upgrade to other options. | | |
| VP600 Base model Includes: 1024 Channel/Talkgroups, Backlit Front and Top dual, APCO25 Phase 2 TDMA upgrade capable, IP Submersible specification, Lilon battery pack, antenna and standard belt clip with standard 2-year warranty. | | |
| VP900 Base model Includes: 2048 Channel/Talkgroups, Backlit Front and Top dual, IP Submersible specification, Lilon battery pack, antenna and standard belt clip with standard 2-year warranty. | | |
| 5100 ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, <i>MIL Std. 810</i> , Black rugged housing, NiMH Battery, antenna and standard belt clip with standard 1-year warranty. | | |
| 51FIRE ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, NiMH Battery Pack, FM Intrinsically Safe, Immersible IP-67, Immersion Housing, High Visibility Yellow <i>FIRE ES</i> housing, antenna and standard belt clip with standard 1-year warranty. | | |
| 51SL ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, <i>MIL Std. 810</i> , Black rugged housing, NiMH Battery, antenna and standard belt clip with standard 1-year warranty. | | |
| 242-577C-853IF8 | Viking VP600 Portable » Model III » 700/800 MHz » Imersion Housing » 700/800 MHz Half Wave Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional/P25 Trunking » 1024 Channels/Talkgroups | \$2,220.00 |
| 242-577B-853IF8 | Viking VP600 Portable » Model II » 700/800 MHz » Imersion Housing » 700/800 MHz Half Wave Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional/P25 Trunking » 1024 Channels/Talkgroups | \$2,020.00 |
| 242-5AAC-A53PZ8 | Viking VP900 Portable » Model III » Multi-Band 700/800 MHz + VHF » Immersion Housing » 700/800 MHz and VHF Dual Band, ½ Wave Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional/P25 Trunking » 2048 Channels/Talkgroups | \$2,860.00 |
| 242-5AAA-A53PZ8 | Viking VP900 Portable » Model I » Multi-Band 700/800 MHz + VHF » Immersion Housing » 700/800 MHz and VHF Dual Band, ½ Wave Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional/P25 Trunking » 2048 Channels/Talkgroups | \$2,540.00 |
| 242-517C-840MW6 | 5100 ES Portable » Model III » 700/800 MHz » 700/800 MHz Half Wave Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional/P25 Trunking » 864 Channels/Talkgroups | \$2,432.00 |

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| 242-517B-840MW6 | 5100 ES Portable » Model II » 700/800 MHz » 700/800 MHz Half Wave Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional/P25 Trunking » 864 Channels/Talkgroups | \$2,212.00 |
| 242-527F-874CU6 | 51FIRE ES » Model III » FM IS » 700/800 MHz » 700/800 MHz Half Wave Antenna » NiMH Battery Pack, FM IS » High Visibility Yellow Immersion Housing » P25 AMBE+2 » Conventional/P25 Trunking » 512 Channels/Talkgroups » MDC1200/GESTAR » FIRESafe Command | \$2,200.00 |
| 242-527E-874FE6 | 51FIRE ES » Model II » FM IS » 700/800 MHz » 700/800 MHz Half Wave Antenna » NiMH Battery Pack, FM IS » High Visibility Yellow Immersion Housing » P25 AMBE+2 » Conventional/P25 Trunking » 512 Channels/Talkgroups » MDC1200/GESTAR » FIRESafe First Responder | \$1,940.00 |
| 242-527B-840KA6 | 51SL ES Portable » Model II » 700/800 MHz » 700/800 MHz Half Wave Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional/P25 Trunking » 512 Channels/Talkgroups | \$1,568.00 |
| ACCESSORIES AND OPTIONS: | | |
| OPTION TIME OF PURCHASE ONLY | Portable Viking VP600/VP900, High Visibility Housing | \$160.00 |
| OPTION TIME OF PURCHASE ONLY | Portable Viking VP900, Enable Internal GPS (Must include P25 Data Option) | \$80.00 |
| 587-5700-374 | Viking VP600/VP900 Li-Ion Ultra-High Capacity Battery Pack, Immersion Rated | \$104.00 |
| 587-5100-373 | ES NiMH Extra-High Capacity Battery Pack, Immersion Rated, FM IS | \$100.00 |
| 587-5100-374 | ES Li-Ion Ultra-High Capacity Battery Pack, Immersion Rated | \$104.00 |
| 563-0600-235 | Viking VP600/VP900 Single Bay Charger | \$100.00 |
| 250-5100-315 | Tri-Chemistry Charger/Conditioner with Switched Power Supply, Rapid Rate | \$120.00 |
| 589-3600-05225 | Viking VP600/VP900 Speaker Microphone with Emergency button, 3.5mm, Jack, 25" | \$120.00 |
| 589-0015-057 | ES Speaker Microphone (Intrinsically Safe) | \$104.00 |
| 508-4600-611 | Viking VP600 Leather Case with Belt Loop, Model II | \$56.00 |
| 508-4600-612 | Viking VP600/VP900 Leather Case with 3" D-Swivel Belt Loop, Model III | \$56.00 |
| 585-5100-14010 | ES Leather Case with 3" D-Swivel Belt Loop, Model I and II | \$56.00 |
| 585-5100-14012 | ES Leather Case with 3" D-Swivel Belt Loop, Model III | \$56.00 |
| | <i>See Price Pages for complete accessories and options</i> | |
| P25 DIGITAL TRUNKED MOBILE RADIOS: | | |
| The base model comes standard with the following features and accessories with capability to upgrade to other options. | | |
| 53SL ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, Electronic Tilt Display, LCD display, with standard 1-year warranty. | | |
| 5300 ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, Electronic Tilt Display, LCD display, with standard 1-year warranty. | | |

| | | |
|---|---|------------|
| 242-537G-20A-AFAN6 | 5300 ES Mobile » Dash Mount » 700/800 MHz » Lightning Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional / P25 Trunking » 864 Channels/Talkgroups | \$3,624.00 |
| 242-537G-201-AFAN6 | 5300 ES Mobile » Dash Mount » 700/800 MHz » Basic Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional / P25 Trunking » 864 Channels/Talkgroups | \$3,008.00 |
| 242-547G-20A-AFAB6 | 53SL ES Mobile » Dash Mount » 700/800 MHz » Lightning Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional / P25 Trunking » 512 Channels/Talkgroups | \$2,940.00 |
| 242-547G-201-AFAB6 | 53SL ES Mobile » Dash Mount » 700/800 MHz » Basic Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional / P25 Trunking » 512 Channels/Talkgroups | \$2,324.00 |
| ACCESSORIES AND OPTIONS: | | |
| 250-5300-002 | 5300 ES Remote Control Head Conversion Kit, Single or Dual (Includes ES remote shroud with blank faceplate, mounting bracket, 17' remote cable, and single / remote accessory cable) | \$380.00 |
| 501-0012-001 | VHF & UHF tunable 1/4 wave whip roof-mount antenna with "N" connector (No adapter required) | \$44.00 |
| 250-4001-202 | 15 amp 120V Power Supply with cabinet and radio power cable | \$236.00 |
| | <i>See Price Pages for complete accessories and options</i> | |
| P25 DIGITAL CONVENTIONAL PORTABLE RADIOS: | | |
| The base model comes standard with the following features and accessories with capability to upgrade to other options. | | |
| VP600 Base model Includes: 1024 Channel/Talkgroups, Backlit Front and Top dual, APCO25 Phase 2 TDMA upgrade capable, IP Submersible specification, Lilon battery pack, antenna and standard belt clip with standard 2-year warranty. | | |
| VP900 Base model Includes: 2048 Channel/Talkgroups, Backlit Front and Top dual, IP Submersible specification, Lilon battery pack, antenna and standard belt clip with standard 2-year warranty. | | |
| 5100 ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, <i>MIL Std. 810</i> , Black rugged housing, NiMH Battery, antenna and standard belt clip with standard 1-year warranty. | | |
| 51FIRE ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, NiMH Battery Pack, FM Intrinsically Safe, Immersible IP-67, Immersion Housing, High Visibility Yellow <i>FIRE ES</i> housing, antenna and standard belt clip with standard 1-year warranty. | | |
| 51SL ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, <i>MIL Std. 810</i> , Black rugged housing, NiMH Battery, antenna and standard belt clip with standard 1-year warranty. | | |
| 242-577C-853MV8 | Viking VP600 Portable » Model III » 700/800 MHz » Imersion Housing » 700/800 MHz Half Wave Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional » 1024 Channels/Talkgroups | \$2,120.00 |
| 242-577B-853MV8 | Viking VP600 Portable » Model II » 700/800 MHz » Imersion Housing » 700/800 MHz Half Wave Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional » 1024 Channels/Talkgroups | \$1,920.00 |
| 242-5AAC-A53QG8 | Viking VP900 Portable » Model III » Multi-Band 700/800 MHz + VHF » Immersion Housing » 700/800 MHz and VHF Dual Band, ½ Wave Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional » 2048 Channels/Talkgroups | \$2,760.00 |
| 242-5AAA-A53QG8 | Viking VP900 Portable » Model I » Multi-Band 700/800 MHz + VHF » Immersion Housing » 700/800 MHz and VHF Dual Band, ½ Wave Antenna » Viking LiIon Battery Pack » Black Housing » P25 CAI AMBE+2 » Conventional » 2048 Channels/Talkgroups | \$2,440.00 |

| | | |
|--|---|------------|
| 242-517C-840MU6 | 5100 ES Portable » Model III » 700/800 MHz » 700/800 MHz Half Wave Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional System » 864 Channels/Talkgroups | \$2,332.00 |
| 242-517B-840MU6 | 5100 ES Portable » Model II » 700/800 MHz » 700/800 MHz Half Wave Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional System » 864 Channels/Talkgroups | \$2,112.00 |
| 242-527F-874MX6 | 51FIRE ES » Model III » FM IS » 700/800 MHz » 700/800 MHz Half Wave Antenna » NiMH Battery Pack, FM IS » High Visibility Yellow Immersion Housing » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups » MDC1200/GESTAR » FIRESafe Command | \$2,100.00 |
| 242-527E-874MY6 | 51FIRE ES » Model II » FM IS » 700/800 MHz » 700/800 MHz Half Wave Antenna » NiMH Battery Pack, FM IS » High Visibility Yellow Immersion Housing » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups » MDC1200/GESTAR » FIRESafe First Responder | \$1,840.00 |
| 242-527B-840BC6 | 51SL ES Portable » Model II » 700/800 MHz » 700/800 MHz Half Wave Antenna » Lithium Polymer Battery Pack » Black Housing » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups | \$1,468.00 |
| ACCESSORIES AND OPTIONS: | | |
| OPTION TIME OF PURCHASE ONLY | Portable Viking VP600/VP900, High Visibility Housing | \$160.00 |
| OPTION TIME OF PURCHASE ONLY | Portable Viking VP900, Enable Internal GPS (Must include P25 Data Option) | \$80.00 |
| 587-5700-374 | Viking VP600/VP900 Li-Ion Ultra-High Capacity Battery Pack, Immersion Rated | \$104.00 |
| 587-5100-373 | ES NiMH Extra-High Capacity Battery Pack, Immersion Rated, FM IS | \$100.00 |
| 587-5100-374 | ES Lithium Polymer Ultra-High Capacity Battery Pack, Immersion Rated | \$104.00 |
| 563-0600-235 | Viking VP600/VP900 Single Bay Charger | \$100.00 |
| 250-5100-315 | Tri-Chemistry Charger/Conditioner with Switched Power Supply, Rapid Rate | \$104.00 |
| 589-3600-05225 | Viking VP600/VP900 Speaker Microphone with Emergency button, 3.5mm, Jack, 25" | \$120.00 |
| 589-0015-057 | ES Speaker Microphone (Intrinsically Safe) | \$104.00 |
| 508-4600-611 | Viking VP600 Leather Case with Belt Loop, Model II | \$56.00 |
| 508-4600-612 | Viking VP600/VP900 Leather Case with 3" D-Swivel Belt Loop, Model III | \$56.00 |
| 585-5100-14010 | ES Leather Case with 3" D-Swivel Belt Loop, Model I and II | \$56.00 |
| 585-5100-14012 | ES Leather Case with 3" D-Swivel Belt Loop, Model III | \$56.00 |
| | <i>See Price Pages for complete accessories and options</i> | |
| P25 DIGITAL CONVENTIONAL MOBILE RADIOS: | | |
| The base model comes standard with the following features and accessories with capability to upgrade to other options. | | |
| 53SL ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, Electronic Tilt Display, LCD display, with standard 1-year warranty. | | |
| 5300 ES Base model Includes: Analog conventional mode, 512 Channel/Talkgroups, Electronic Tilt Display, LCD | | |

| | | |
|---|--|------------|
| display, with standard 1-year warranty. | | |
| 242-537G-20A-AAAN6 | 5300 ES Mobile » Dash Mount » 700/800 MHz » Lightning Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional System » 864 Channels/Talkgroups | \$3,344.00 |
| 242-537G-201-AAAN6 | 5300 ES Mobile » Dash Mount » 700/800 MHz » Basic Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional System » 864 Channels/Talkgroups | \$2,728.00 |
| 242-547G-20A-AAAB6 | 53SL ES Mobile » Dash Mount » 700/800 MHz » Lightning Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups | \$2,760.00 |
| 242-547G-201-AAAB6 | 53SL ES Mobile » Dash Mount » 700/800 MHz » Basic Control Head w/ Palm Mic » Accessory Cable » P25 AMBE+2 » Conventional System » 512 Channels/Talkgroups | \$2,144.00 |
| ACCESSORIES AND OPTIONS: | | |
| 250-5300-002 | 5300 ES Remote Control Head Conversion Kit, Single or Dual (Includes ES remote shroud with blank faceplate, mounting bracket, 17' remote cable, and single / remote accessory cable) | \$380.00 |
| 501-0012-001 | VHF & UHF tunable 1/4 wave whip roof-mount antenna with "N" connector (No adapter required) | \$44.00 |
| 250-4001-202 | 15 amp 120V Power Supply with cabinet and radio power cable | \$236.00 |
| | <i>See Price Pages for complete accessories and options</i> | |

EF JOHNSON Phase II Price Sheet

| ITEM | Mfg Name | Brand/Model# | Total Price |
|--|------------|--------------------|-------------|
| Portable Analog | | | |
| High VHF 136-174 Quality Category A | EF Johnson | 242-521E-674AC6 | \$1,492.00 |
| High VHF 136-174 Quality Category B | EF Johnson | 242-521B-630AA6 | \$1,412.00 |
| UHF 450-470 Quality Category A | EF Johnson | 242-522E-474AC6 | \$1,480.00 |
| UHF 450-470 Quality Category B | EF Johnson | 242-522B-430AA6 | \$1,400.00 |
| UHF 450-470 Category D | EF Johnson | 242-522A-430AG6 | \$1,140.00 |
| UHF 806-870 Quality Category A | EF Johnson | 242-527E-874AC6 | \$1,480.00 |
| UHF 806-870 Quality Category B | EF Johnson | 242-527B-830AA6 | \$1,400.00 |
| UHF 806-870 Quality Category C | EF Johnson | 242-527B-830AA6 | \$1,400.00 |
| UHF 806-870 Quality Category D | EF Johnson | 242-527A-830AG6 | \$1,140.00 |
| Desktop Analog | | | |
| Not Available | EF Johnson | Discontinued | N/A |
| Not Available | EF Johnson | Discontinued | N/A |
| Mobile Analog | | | |
| High VHF 136-174 Quality Category B | EF Johnson | 242-541G-801-AAAB6 | \$1,864.00 |
| High VHF 136-174 Category C | EF Johnson | 242-541G-801-AAAH6 | \$1,744.00 |
| High VHF 136-174 Category D | EF Johnson | 242-541G-801-AAAL6 | \$1,664.00 |
| UHF 806-870 Quality Category C | EF Johnson | Discontinued | N/A |
| UHF 806-870 Quality Category D | EF Johnson | Discontinued | N/A |
| Remote Base/Repeater Station Analog | | | |
| High VHF-136-174 Quality Category A | EF Johnson | 242-521E-674BW6 | \$1,652.00 |
| High VHF-136-174 Quality Category B | EF Johnson | 242-521B-630BC6 | \$1,452.00 |
| High VHF-136-174 Quality Category C | EF Johnson | 242-521B-630BC6 | \$1,452.00 |
| High VHF 136-174 Category D | EF Johnson | 242-521A-630BZ6 | \$1,192.00 |
| | EF Johnson | 242-522E-474BW6 | \$1,640.00 |
| Error! Reference source not found. | EF Johnson | 242-522B-430BC6 | \$1,440.00 |
| Error! Reference source not found. | EF Johnson | 242-522B- | \$1,440.00 |

| ITEM | Mfg Name | Brand/Model# | Total Price |
|---|------------|-------------------------|-------------|
| | | 430BC6 | |
| Error! Reference source not found. | EF Johnson | 242-522A-30BZ6 | \$1,180.00 |
| Error! Reference source not found. | EF Johnson | 242-527E-874BW6 | \$1,640.00 |
| Error! Reference source not found. | EF Johnson | 242-527B-830BC6 | \$1,440.00 |
| Error! Reference source not found. | EF Johnson | 242-527B-8302BC6 | \$1,440.00 |
| UHF 806-870 Cateogry D | EF Johnson | 242-527A-830BZ6 | \$1,180.00 |
| Error! Reference source not found. | | | |
| Error! Reference source not found. | EF Johnson | 242-541G-20V-AAAL6+PSDM | \$2,224.00 |
| Error! Reference source not found. | EF Johnson | 242-547G-20V-AAAH6+PSDM | \$2,196.00 |
| Error! Reference source not found. | EF Johnson | 242-547G-20V-AAAL6+PSDM | \$2,116.00 |
| Mobile Digital | | | |
| High VHF 136-174 Quality Category C | EF Johnson | 242-541G-201-AAAH6 | \$2,024.00 |
| High VHF 136-174 Quality Category D | EF Johnson | 242-541G-201-AAAL6 | \$1,944.00 |
| UHF 806-870 Quality Category C | EF Johnson | 242-547G-201-AAAH6 | \$2,024.00 |
| UHF 806-870 Quality Category D | EF Johnson | 242-547G-201-AAAL6 | \$1,944.00 |
| Mobile Trunked Digital | | | |
| High VHF 136-174 Quality Category C | EF Johnson | 242-541G-201-AFAH6 | \$2,024.00 |
| High VHF 136-174 Quality Category D | EF Johnson | 242-541G-201-AFAL6 | \$2,124.00 |
| UHF 806-870 Quality Category C | EF Johnson | 242-541G-201-AFAH6 | \$2,204.00 |
| UHF 806-870 Quality Category D | EF Johnson | 242-541G-201-AFAL6 | \$2,124.00 |
| Portable Trunked Digital | | | |
| UHF 450-470 Quality Category | EF Johnson | 242-521E-674PB6 | \$1,752.00 |
| UHF 450-470 Quality Category | EF Johnson | 242-521B-630KA6 | \$1,552.00 |
| UHF 450-470 Quality Category | EF Johnson | 242-521A-630KY6 | \$1,292.00 |
| UHF 450-470 Quality Category | EF Johnson | 242-522E-474-BP6 | \$1,740.00 |
| Error! Reference source not found. | EF Johnson | 242-522B-430KA6 | \$1,540.00 |
| Error! Reference source not found. | EF Johnson | 242-522B- | \$1,540.00 |

| ITEM | Mfg Name | Brand/Model# | Total Price |
|---|------------|-----------------|-------------|
| | | 430KA6 | |
| UHF 450-470 Quality Category | EF Johnson | 242-522A-630KY6 | \$1,280.00 |
| UHF 806-870 Quality Category B | EF Johnson | 242-527E-874PB6 | \$1,740.00 |
| Error! Reference source not found. | EF Johnson | 242-527B-830KA6 | \$1,540.00 |
| Error! Reference source not found. | EF Johnson | 242-527A-830KY6 | \$1,280.00 |

| | | |
|--|--|--------------------|
| Discount percentage represented by bid prices is | | 20-35% off of List |
| Delivery - expressed in days after Receipt of Order | | Varies by Order |
| Warranty Period - in excess of that required by the specifications (in days) | | 0 days |
| % Tax required | | Varies by State |
| Components added to the above models to meet required specifications: | | None |

Portable Analog
High VHF 136-174 Quality Category A

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|---------------------------|---------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 160 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/5 selectable (Low/High) | 1/5 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -66 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 3 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -75 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 3 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,492.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| | Flashing EEPROM | Available |
| | Provision for Field Software Upgrade | Available |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Analog
High VHF 136-174 Quality Category B

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 48 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| RF Power Output, Watts | 1/5 selectable (Low/High) | 1/5 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -65 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 3 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -75 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 3 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | - | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,412.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--------------------|--------------|
| Part Number | Description | Price |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| | Flashing EEPROM | Available |
| | Provision for Field Software Upgrade | Available |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Analog
UHF 450-470 Quality Category A

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 160 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 20 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/4 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -65 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 3 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -73/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -73 | -75 |
| Intermodulation, dB | -73 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 3 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | - | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,480.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--------------------|--------------|
| Part Number | Description | Price |

| | | |
|-------------------------|--|-----------|
| | Flashing EEPROM | Available |
| | Provision for Field Software Upgrade | Available |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

**Portable Analog
UHF 450-470 Quality Category B**

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 40 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 20 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/4 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -65 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 3 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -73/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -73 | -75 |
| Intermodulation, dB | -73 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 3 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | - | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,400.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--------------------------------------|--------------|
| Part Number | Description | Price |
| | Flashing EEPROM | Available |
| | Provision for Field Software Upgrade | Available |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Analog
UHF 450-470 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 2 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 20 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/4 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -40 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-60 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | - | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,140.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|---|--------------|
| Part Number | Description | Price |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Position Rotary Channel/Mode Select Switch Option | n/c |

| | | |
|-------------------------|--|-----------|
| included | Low Battery Alert Tone Option | n/c |
| Included | Alphanumeric Display Option | n/c |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| | Flashing EEPROM | available |
| | Provision for Field Software Upgrade | available |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| included | Emergency Button/Switch Option | |
| included | Programmable Button/Switch Option | |
| included | Push-to-talk ID Transmission Option | |
| See Attached | See Price Pages attached form complete Accessories and Options | |

Portable Analog
UHF 806-870 Quality Category A

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 160 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 1.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 /20/25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/3 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -48 | -75 |
| FM Noise, dB | -40 | -45 |
| Audio Distortion, % maximum | 3 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -73/-63 | -73/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -72 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 3 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | - | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,480.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| | Flashing EEPROM | Available |
| | Provision for Field Software Upgrade | Available |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Analog
UHF 806-870 Quality Category B

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 48 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 1.5 | ± 2.0 |
| Channel Spacing, kHz | 12.5/20/25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/3 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -48 | -75 |
| FM Noise, dB | -40 | -45 |
| Audio Distortion, % maximum | 3 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -72/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -72 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 3 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | | |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,400.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| | Flashing EEPROM | Available |
| | Provision for Field Software Upgrade | Available |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Analog
UHF 806-870 Quality Category C

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 14 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5/20/25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/3 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -45 | -75 |
| FM Noise, dB | -40 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,400.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| |
|-------------------------|
| REQUIRED OPTIONS |
|-------------------------|

| Part Number | Description | Price |
|-------------------------|--|-----------|
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Position Rotary Channel/Mode Select Switch Option | |
| included | Low Battery Alert Tone Option | |
| Included | Alphanumeric Display Option | |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| | Flashing EEPROM | Available |
| | Provision for Field Software Upgrade | Available |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| included | Emergency Button/Switch Option | |
| included | Programmable Button/Switch Option | |
| included | Push-to-talk ID Transmission Option | |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Analog
UHF 806-870 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|---------------------------|---------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 2 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5/20/ 25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/3 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -45 | -75 |
| FM Noise, dB | -40 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | - | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,140.00 |
| OTHER INFORMATION: | | |

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|------------------------|------------------------|
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|------------------|--|-----------|
| Part Number | Description | Price |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Position Rotary Channel/Mode Select Switch Option | |
| included | Low Battery Alert Tone Option | |
| n/a | Alphanumeric Display Option | n/a |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| | Flashing EEPROM | Available |
| | Provision for Field Software Upgrade | Available |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| included | Emergency Button/Switch Option | |
| included | Programmable Button/Switch Option | |
| included | Push-to-talk ID Transmission Option | |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Desktop Analog
UHF 806-870 Quality Category C

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|------------------------|------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 32 | n/a |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | n/a |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | n/a |
| Channel Spacing, kHz | 12.5 / 25 | n/a |
| RF Input/Output Impedance, Ohms | 50 | n/a |
| TRANSMITTER | | n/a |
| RF Power Output, Watts | 35 | n/a |
| Radiated Spurious & Harmonic Emission, dB | -60 | n/a |
| FM Noise, dB | -35 | n/a |
| Audio Distortion, % maximum | 5 | n/a |
| Audio Response (per TIA/EIA 603) | +1, -3 | n/a |
| RECEIVER | | n/a |
| Sensitivity, EIA 12 dB Sinad, dBm | -115 | n/a |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-65 | n/a |
| Spurious and Image Rejection, dB | -70 | n/a |

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|------------------------|------------------------|
| Intermodulation, dB | -68 | n/a |
| Speaker Audio Output, watts | 3 | n/a |
| Audio Distortion, % maximum | 5 | n/a |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | - | n/a |
| Price FOB Destination freight prepaid & included in price | | n/a |
| OTHER INFORMATION: | | n/a |
| Prices are based on Manufacturer's price list entitled: | | n/a |
| Prices are based on price list quoted above dated: | | n/a |

| OPTIONAL OPTIONS | | |
|------------------|--|-------|
| Part Number | Description | Price |
| n/a | Flashing EEPROM | n/a |
| n/a | Provision for Field Software Upgrade | n/a |
| n/a | Secure Encryption Option | n/a |
| n/a | See Price Pages attached for complete Accessories and Options | n/a |

Desktop Analog
UHF 806-870 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|------------------------|------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 16 | n/a |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | n/a |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | n/a |
| Channel Spacing, kHz | 12.5 / 25 | n/a |
| RF Input/Output Impedance, Ohms | 50 | n/a |
| TRANSMITTER | | n/a |
| RF Power Output, Watts | 15 | n/a |
| Radiated Spurious & Harmonic Emission, dB | -55 | n/a |
| FM Noise, dB | -35 | n/a |
| Audio Distortion, % maximum | 5 | n/a |
| Audio Response (per TIA/EIA 603) | +1, -3 | n/a |
| RECEIVER | | n/a |
| Sensitivity, EIA 12 dB Sinad, dBm | -115 | n/a |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-65 | n/a |
| Spurious and Image Rejection, dB | -70 | n/a |
| Intermodulation, dB | -68 | n/a |
| Speaker Audio Output, watts | 3 | n/a |
| Audio Distortion, % maximum | 5 | n/a |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | - | n/a |
| Price FOB Destination freight prepaid & included in price | | n/a |
| OTHER INFORMATION: | | n/a |
| Prices are based on Manufacturer's price list entitled: | | n/a |
| Prices are based on price list quoted above dated: | | n/a |

| OPTIONAL OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| n/a | Flashing EEPROM | n/a |
| n/a | Provision for Field Software Upgrade | n/a |
| n/a | Secure Encryption Option | n/a |
| n/a | See Price Pages attached for complete Accessories and Options | n/a |

Mobile Analog
High VHF 136-174 Quality Category B

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 160 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | 1.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 50 |
| TRANSMITTER | | |
| RF Power Output, Watts | 50 | 50 |
| Radiated Spurious & Harmonic Emission, dB | -70 | -75 |
| FM Noise, dB | -40 | -45 |
| Audio Distortion, % maximum | 3 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -75 | -75 |
| Speaker Audio Output, watts | 5 | 12 |
| Audio Distortion, % maximum | 3 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | | |
| Price FOB Destination freight prepaid & included in price | | \$1,864.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| | Flashing EEPROM | available |
| | Provision for Field Software Upgrade | available |
| 250-4001-202 | Desktop/Mobile Conversion Option | \$236.00 |
| OPTIONAL OPTIONS | | |
| n/a | Second Programmable Receiver with Separate Speaker | |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Mobile Analog
High VHF 136-174 Quality Category C

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|------------------------|------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 32 | 256 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | 1.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 50 |
| TRANSMITTER | | |
| RF Power Output, Watts | 40 | 50 |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, watts | 3 | 12 |
| Audio Distortion, % maximum | 5 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | - | |
| Price FOB Destination freight prepaid & included in price | | \$1,744.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|------------------|---|-----------|
| Part Number | Description | Price |
| | Separate Data Connector Option | available |
| 250-4001-202 | Desktop/Mobile Conversion Option | \$236.00 |
| included | Alphanumeric Display Option | - |
| OPTIONAL OPTIONS | | |
| included | Single Unit Dash Mount Option | - |
| n/a | Second Programmable Receiver with Separate Speaker | n/a |
| | Flashing EEPROM | available |
| | Provision for Field Software Upgrade | available |
| included | Emergency Button/Switch Option | - |
| included | Programmable Button/Switch Option | - |
| included | Push-to-talk ID Transmission Option | - |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Mobile Analog
High VHF 136-174 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|------------------------|------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 16 | 48 |

| | | |
|--|----------------|-------------------|
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | 1.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 50 |
| TRANSMITTER | | |
| RF Power Output, Watts | 25 | 50 |
| Radiated Spurious & Harmonic Emission, dB | -55 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, watts | 3 | 12 |
| Audio Distortion, % maximum | 5 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | - | |
| Price FOB Destination freight prepaid & included in price | | \$1,664.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| | Separate Data Connector Option | available |
| 250-4001-202 | Desktop/Mobile Conversion Option | \$236.00 |
| OPTIONAL OPTIONS | | |
| included | Single Unit Dash Mount Option | - |
| n/a | Second Programmable Receiver with Separate Speaker | n/a |
| | Flashing EEPROM | available |
| | Provision for Field Software Upgrade | available |
| included | Emergency Button/Switch Option | - |
| included | Programmable Button/Switch Option | - |
| included | Push-to-talk ID Transmission Option | - |
| included | Alphanumeric Display Option | - |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Mobile Analog
UHF 806-870 Quality Category C

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 32 | n/a |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | n/a |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | n/a |
| Channel Spacing, kHz | 12.5 / 25 | n/a |
| RF Input/Output Impedance, Ohms | 50 | n/a |

| | | |
|--|---------|-----|
| TRANSMITTER | | n/a |
| RF Power Output, Watts | 35 | n/a |
| Radiated Spurious & Harmonic Emission, dB | -60 | n/a |
| FM Noise, dB | -35 | n/a |
| Audio Distortion, % maximum | 5 | n/a |
| Audio Response (per TIA/EIA 603) | +1, -3 | n/a |
| RECEIVER | | n/a |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | n/a |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-65 | n/a |
| Spurious and Image Rejection, dB | -70 | n/a |
| Intermodulation, dB | -68 | n/a |
| Speaker Audio Output, watts | 3 | n/a |
| Audio Distortion, % maximum | 5 | n/a |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | - | n/a |
| Price FOB Destination freight prepaid & included in price | | n/a |
| OTHER INFORMATION: | | n/a |
| Prices are based on Manufacturer's price list entitled: | | n/a |
| Prices are based on price list quoted above dated: | | n/a |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| n/a | Separate Data Connector Option | n/a |
| n/a | Desktop/Mobile Conversion Option | n/a |
| n/a | Alphanumeric Display Option | n/a |
| OPTIONAL OPTIONS | | |
| n/a | Single Unit Dash Mount Option | n/a |
| n/a | Second Programmable Receiver with Separate Speaker | n/a |
| n/a | Flashing EEPROM | n/a |
| n/a | Provision for Field Software Upgrade | n/a |
| n/a | Secure Encryption Option | n/a |
| n/a | Emergency Button/Switch Option | n/a |
| n/a | Programmable Button/Switch Option | n/a |
| n/a | Push-to-talk ID Transmission Option | n/a |
| n/a | See Price Pages attached for complete Accessories and Options | n/a |

Mobile Analog
UHF 806-870 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 16 | n/a |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | n/a |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | n/a |
| Channel Spacing, kHz | 12.5 / 25 | n/a |
| RF Input/Output Impedance, Ohms | 50 | n/a |
| TRANSMITTER | | n/a |
| RF Power Output, Watts | 15 | n/a |
| Radiated Spurious & Harmonic Emission, dB | -55 | n/a |

| | | |
|--|---------|-----|
| FM Noise, dB | -35 | n/a |
| Audio Distortion, % maximum | 5 | n/a |
| Audio Response (per TIA/EIA 603) | +1, -3 | n/a |
| RECEIVER | | n/a |
| Sensitivity, EIA 12 dB Sinad, dBm | -115 | n/a |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-65 | n/a |
| Spurious and Image Rejection, dB | -70 | n/a |
| Intermodulation, dB | -68 | n/a |
| Speaker Audio Output, watts | 3 | n/a |
| Audio Distortion, % maximum | 5 | n/a |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | - | n/a |
| Price FOB Destination freight prepaid & included in price | | n/a |
| OTHER INFORMATION: | | n/a |
| Prices are based on Manufacturer's price list entitled: | | n/a |
| Prices are based on price list quoted above dated: | | n/a |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| n/a | Separate Data Connector Option | n/a |
| n/a | Desktop/Mobile Conversion Option | n/a |
| OPTIONAL OPTIONS | | |
| n/a | Single Unit Dash Mount Option | |
| n/a | Second Programmable Receiver with Separate Speaker | n/a |
| n/a | Flashing EEPROM | n/a |
| n/a | Provision for Field Software Upgrade | n/a |
| n/a | Secure Encryption Option | n/a |
| n/a | Emergency Button/Switch Option | n/a |
| n/a | Programmable Button/Switch Option | n/a |
| n/a | Push-to-talk ID Transmission Option | n/a |
| n/a | Alphanumeric Display Option | n/a |
| n/a | See Price Pages attached for complete Accessories and Options | n/a |

Portable Digital
High VHF 136-174 Quality Category A

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 160 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ±2.5 | ±1.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/5 selectable (Low/High) | 1/5 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -70 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 2 | 2 |

| | | |
|--|---------|-------------------|
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-67 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -75 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 2 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -119 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,652.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Digital
High VHF 136-174 Quality Category B

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 40 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/5 selectable (Low/High) | 1/5 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -70 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 2 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |

| | | |
|--|---------|-------------------|
| Selectivity, adj. channel (dB), 25/12.5 kHz | -73/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -75 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 2 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -119 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,452.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Digital
High VHF 136-174 Quality Category C

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 14 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/5 selectable (Low/High) | 1/5 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -43 | -45 |
| Audio Distortion, % maximum | 3 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -73/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |

| | | |
|--|------|-------------------|
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,452.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Emergency Button Option | |
| included | Position Rotary Channel/Mode Select Switch Option | |
| included | Low Battery Alert Tone Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric Display Option | |
| included | Adaptive Transmitter Power Control Option | |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| OPTIONAL OPTIONS | | |
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |

Portable Digital
High VHF 136-174 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 2 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/5 selectable (Low/High) | 1/5 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -57 | -75 |
| FM Noise, dB | -40 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -73/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |

| | | |
|--|------|-------------------|
| Intermodulation, dB | -60 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,192.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Emergency Button Option | - |
| included | Position Rotary Channel/Mode Select Switch Option | - |
| included | Low Battery Alert Tone Option | - |
| included | Programmable Button Option | - |
| included | Push-to-talk ID Transmission Option | - |
| included | Alphanumeric Display Option | - |
| included | Adaptive Transmitter Power Control Option | - |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| OPTIONAL OPTIONS | | |
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |

Portable Digital
UHF 450-470 Quality Category A

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 160 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 20 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2 | ± 1.5 |
| Channel Spacing, kHz | 12.5/20/25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/4 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -70 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 2 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |

| | | |
|--|---------|-------------------|
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -73/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -75 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 2 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | -119 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,640.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Digital
UHF 450-470 Quality Category B

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 40 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 20 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2 | ± 1.5 |
| Channel Spacing, kHz | 12.5/20/25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/4 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -70 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 2 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -73/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -75 | -75 |

| | | |
|--|------|-------------------|
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 2 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | -119 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,440.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Digital
UHF 450-470 Quality Category C

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 14 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 20 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 5 | ± 1.5 |
| Channel Spacing, kHz | 12.5/20/25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/4 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -43 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -73/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,440.00 |

| | | |
|---|--|------------|
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Emergency Button Option | |
| included | Position Rotary Channel/Mode Select Switch Option | |
| included | Low Battery Alert Tone Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric Display Option | |
| included | Adaptive Transmitter Power Control Option | |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| OPTIONAL OPTIONS | | |
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |

Portable Digital
UHF 450-470 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 2 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 20 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 5 | ± 1.5 |
| Channel Spacing, kHz | 12.5/20/25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/4 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -40 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -73/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |

| | | |
|--|------|-------------------|
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,180.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Emergency Button Option | |
| included | Position Rotary Channel/Mode Select Switch Option | |
| included | Low Battery Alert Tone Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric Display Option | |
| included | Adaptive Transmitter Power Control Option | |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| OPTIONAL OPTIONS | | |
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |

Portable Digital
UHF 806-870 Quality Category A

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 160 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 1.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5/25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/3 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -40 | -40 |
| Audio Distortion, % maximum | 2 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -74 | -75 |

| | | |
|--|------|-------------------|
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 2 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -119 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,640.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Digital
UHF 806-870 Quality Category B

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 48 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 1.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/3 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -40 | -40 |
| Audio Distortion, % maximum | 2 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -74 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 2 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -119 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,440.00 |

| | | |
|---|--|------------|
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Digital
UHF 806-870 Quality Category C

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 14 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5/25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/3 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -45 | -75 |
| FM Noise, dB | -40 | -40 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -73/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,440.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Emergency Button Option | |
| included | Position Rotary Channel/Mode Select Switch Option | |
| included | Low Battery Alert Tone Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric Display Option | |
| included | Adaptive Transmitter Power Control Option | |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| OPTIONAL OPTIONS | | |
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |

| | | |
|--------------|----------------------------|----------|
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
|--------------|----------------------------|----------|

Portable Digital
UHF 806-870 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|---------------------------|---------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 2 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/3 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -45 | -75 |
| FM Noise, dB | -40 | -40 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -73/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -65 | -75 |
| Intermodulation, dB | -65 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,180.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|------------------|--|----------|
| Part Number | Description | Price |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Emergency Button Option | - |
| included | Position Rotary Channel/Mode Select Switch Option | - |
| included | Low Battery Alert Tone Option | - |
| included | Programmable Button Option | - |
| included | Push-to-talk ID Transmission Option | - |
| n/a | Alphanumeric Display Option | - |
| included | Adaptive Transmitter Power Control Option | - |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |

| OPTIONAL OPTIONS | | |
|------------------|----------------------------|-----|
| n/a | RF Power Amplifiers Option | n/a |

| | | |
|--------------|--|----------|
| n/a | Paging Decoder Option | n/a |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |

Desktop Digital
High VHF 136-174 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|------------------------|------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 16 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 5 | 1.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 50 |
| TRANSMITTER | | |
| RF Power Output, Watts | 25 | 40 |
| Radiated Spurious & Harmonic Emission, dB | -55 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, watts | 3 | 12 |
| Audio Distortion, % maximum | 5 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$2,224.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| OPTIONAL OPTIONS | | |
|------------------|---|----------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Desktop Digital
UHF 806-870 Quality Category C

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|------------------------|------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 32 | 256 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | 1.5 |

| | | |
|--|----------------|-------------------|
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 40 |
| TRANSMITTER | | |
| RF Power Output, Watts | 35 | 35 |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -35 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-60 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -68 | -75 |
| Speaker Audio Output, watts | 3 | 12 |
| Audio Distortion, % maximum | 5 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$2,196.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| OPTIONAL OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Desktop Digital
UHF 806-870 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|---|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 16 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | 1.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 40 |
| TRANSMITTER | | |
| RF Power Output, Watts | 15 | 35 |
| Radiated Spurious & Harmonic Emission, dB | -55 | -75 |
| FM Noise, dB | -35 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -115 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -65/-60 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -65 | -75 |

| | | |
|--|------|-------------------|
| Speaker Audio Output, watts | 3 | 12 |
| Audio Distortion, % maximum | 5 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -115 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$2,116.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Mobile Digital
High VHF 136-174 Quality Category C

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-------------------------------|-------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 32 | 256 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 5 | 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 50 |
| TRANSMITTER | | |
| RF Power Output, Watts | 40 | 50 |
| Radiated Spurious & Harmonic Emission, dB | -70 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, watts | 3 | 12 |
| Audio Distortion, % maximum | 5 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$2,024.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|----------------------------------|--------------|
| Part Number | Description | Price |
| | Separate Data Connector Option | available |
| 250-4001-202 | Desktop/Mobile Conversion Option | \$236.00 |
| included | Emergency Button Option | |

| | | |
|----------|-------------------------------------|--|
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric display Option | |

| OPTIONAL OPTIONS | | |
|---------------------|--|----------|
| included | Single Unit Dash Mount Option | |
| n/a | Second Programmable Receiver with Separate Speaker | n/a |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Mobile Digital
High VHF 136-174 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|------------------------|------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 16 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 5 | 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 50 |
| TRANSMITTER | | |
| RF Power Output, Watts | 25 | 50 |
| Radiated Spurious & Harmonic Emission, dB | -55 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, watts | 3 | 12 |
| Audio Distortion, % maximum | 5 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,944.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|------------------|-------------------------------------|-----------|
| Part Number | Description | Price |
| | Separate Data Connector Option | available |
| 250-4001-202 | Desktop/Mobile Conversion Option | \$236.00 |
| included | Emergency Button Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |

| | | |
|-------------------------|--|----------|
| included | Alphanumeric display Option | |
| OPTIONAL OPTIONS | | |
| included | Single Unit Dash Mount Option | |
| n/a | Second Programmable Receiver with Separate Speaker | n/a |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Mobile Digital
UHF 806-870 Quality Category C

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 32 | 256 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | 1.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 50 |
| TRANSMITTER | | |
| RF Power Output, Watts | 35 | 40 |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -35 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -115 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -68 | -75 |
| Speaker Audio Output, watts | 3 | 12 |
| Audio Distortion, % maximum | 5 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -115 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$2,024.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| | Separate Data Connector Option | available |
| 250-4001-202 | Desktop/Mobile Conversion Option | \$236.00 |
| included | Emergency Button Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric display Option | |
| OPTIONAL OPTIONS | | |
| included | Single Unit Dash Mount Option | |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |

| | | |
|---------------------|--|-----|
| n/a | Second Programmable Receiver with Separate Speaker | n/a |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Mobile Digital
UHF 806-870 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 16 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 50 |
| TRANSMITTER | | |
| RF Power Output, Watts | 15 | 40 |
| Radiated Spurious & Harmonic Emission, dB | -55 | -75 |
| FM Noise, dB | -35 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -115 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -68 | -75 |
| Speaker Audio Output, watts | 3 | 12 |
| Audio Distortion, % maximum | 5 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -115 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,944.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| | Separate Data Connector Option | available |
| 250-4001-202 | Desktop/Mobile Conversion Option | \$236.00 |
| included | Emergency Button Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric display Option | |
| OPTIONAL OPTIONS | | |
| included | Single Unit Dash Mount Option | |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| n/a | Second Programmable Receiver with Separate Speaker | n/a |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Mobile Trunked Digital
High VHF 136-174 Quality Category C

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 32 | 256 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 5 | 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 50 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 40 | 50 |
| Radiated Spurious & Harmonic Emission, dB | -70 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, watts | 3 | 12 |
| Audio Distortion, % maximum | 5 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$2,024.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| | Separate Data Connector Option | available |
| 250-4001-202 | Desktop/Mobile Conversion Option | \$236.00 |
| included | Emergency Button Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric display Option | |
| OPTIONAL OPTIONS | | |
| Part Number | Description | Price |
| included | Single Unit Dash Mount Option | |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| n/a | Second Programmable Receiver with Separate Speaker | n/a |

Mobile Trunked Digital
High VHF 136-174 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|------------------------|------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 16 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 5 | 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 50 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 25 | 50 |
| Radiated Spurious & Harmonic Emission, dB | -55 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, watts | 3 | 12 |
| Audio Distortion, % maximum | 5 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$2,124.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|---------------------|--|----------|
| Part Number | Description | Price |
| n/a | Separate Data Connector Option | n/a |
| 250-4001-202 | Desktop/Mobile Conversion Option | \$236.00 |
| included | Emergency Button Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric display Option | |
| OPTIONAL OPTIONS | | |
| included | Single Unit Dash Mount Option | |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| n/a | Second Programmable Receiver with Separate Speaker | n/a |
| See Attached | See Price Pages attached for complete Accessories and Options | |

**Mobile Trunked Digital
UHF 806-870 Quality Category C**

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 32 | 256 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 50 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 35 | 40 |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -35 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -115 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, watts | 3 | 12 |
| Audio Distortion, % maximum | 5 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -115 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$2,204.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| n/a | Separate Data Connector Option | n/a |
| 250-4001-202 | Desktop/Mobile Conversion Option | \$236.00 |
| included | Emergency Button Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric display Option | |
| OPTIONAL OPTIONS | | |
| included | Single Unit Dash Mount Option | |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| n/a | Second Programmable Receiver with Separate Speaker | n/a |
| See Attached | See Price Pages attached for complete Accessories and Options | |

**Mobile Trunked Digital
UHF 806-870 Quality Category D**

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 16 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| RF Input/Output Impedance, Ohms | 50 | 50 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 15 | 40 |
| Radiated Spurious & Harmonic Emission, dB | -55 | -75 |
| FM Noise, dB | -35 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -115 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, watts | 3 | 12 |
| Audio Distortion, % maximum | 5 | 3 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -115 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$2,124.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| | Separate Data Connector Option | available |
| 250-4001-202 | Desktop/Mobile Conversion Option | \$236.00 |
| included | Emergency Button Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric display Option | |
| OPTIONAL OPTIONS | | |
| included | Single Unit Dash Mount Option | |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| n/a | Second Programmable Receiver with Separate Speaker | n/a |
| See Attached | See Price Pages attached for complete Accessories and Options | |

**Portable Trunked Digital
High VHF 136-174 Quality Category B**

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 48 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/5 selectable (Low/High) | 1/5 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -70 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 2 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-70 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -75 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 2 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -119 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,752.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Trunked Digital
High VHF 136-174 Quality Category C

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 14 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/5 selectable (Low/High) | 1/5 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -43 | -45 |
| Audio Distortion, % maximum | 3 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-60 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,552.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Emergency Button Option | |
| included | Position Rotary Channel/Mode Select Switch Option | |
| included | Low Battery Alert Tone Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric Display Option | |
| included | Adaptive Transmitter Power Control Option | |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| OPTIONAL OPTIONS | | |
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| 888-1190-004 | Vehicular Charger | \$96.00 |

| | | |
|---------------------|--|----------|
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Trunked Digital
High VHF 136-174 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 2 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/5 selectable (Low/High) | 1/5 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -57 | -75 |
| FM Noise, dB | -40 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-60 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -60 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,292.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Emergency Button Option | |
| included | Position Rotary Channel/Mode Select Switch Option | |
| included | Low Battery Alert Tone Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric Display Option | |
| included | Adaptive Transmitter Power Control Option | |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |

| OPTIONAL OPTIONS | | |
|------------------|---|----------|
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

Portable Trunked Digital
UHF 450-470 Quality Category A

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|---------------------------|---------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 160 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 20 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2 | ± 1.5 |
| Channel Spacing, kHz | 12.5/20/25 | 12.5 / 25 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/4 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -70 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 2 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -75 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 2 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | -119 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,740.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|------------------|--|----------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |

| | | |
|-------------------------|--|--------------|
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| Part Number | Description | Price |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

**Portable Trunked Digital
UHF 450-470 Quality Category B**

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 40 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 20 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2 | ± 1.5 |
| Channel Spacing, kHz | 12.5/20/25 | 12.5 / 25 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/4 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -70 | -75 |
| FM Noise, dB | -45 | -45 |
| Audio Distortion, % maximum | 2 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-68 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -75 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 2 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | -119 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,540.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |

| OPTIONAL OPTIONS | | |
|------------------|---|----------|
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages attached for complete Accessories and Options | |

**Portable Trunked Digital
UHF 450-470 Quality Category C**

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|---------------------------|---------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 14 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 20 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 5 | ± 1.5 |
| Channel Spacing, kHz | 12.5/20/25 | 12.5 / 25 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/4 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -43 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,540.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|------------------|--|----------|
| Part Number | Description | Price |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Emergency Button Option | |
| included | Position Rotary Channel/Mode Select Switch Option | |
| included | Low Battery Alert Tone Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric Display Option | |
| included | Adaptive Transmitter Power Control Option | |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |

| | | |
|-------------------------|--|----------|
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| OPTIONAL OPTIONS | | |
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |

**Portable Trunked Digital
UHF 450-470 Quality Category D**

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 2 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 20 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 5 | ± 1.5 |
| Channel Spacing, kHz | 12.5/20/25 | 12.5 / 25 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/4 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -40 | -45 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,280.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|---|--------------|
| Part Number | Description | Price |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Emergency Button Option | |
| included | Position Rotary Channel/Mode Select Switch Option | |
| included | Low Battery Alert Tone Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |

| | | |
|-------------------------|--|----------|
| included | Alphanumeric Display Option | |
| included | Adaptive Transmitter Power Control Option | |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| OPTIONAL OPTIONS | | |
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |

**Portable Trunked Digital
UHF 806-870 Quality Category B**

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 48 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/3 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -60 | -75 |
| FM Noise, dB | -40 | -40 |
| Audio Distortion, % maximum | 2 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -119 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -75/-63 | -75/-63 |
| Spurious and Image Rejection, dB | -75 | -75 |
| Intermodulation, dB | -74 | -75 |
| Speaker Audio Output, milliwatts | 500 | 500 |
| Audio Distortion, % maximum | 2 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -119 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,740.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--|--------------|
| Part Number | Description | Price |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |

| | | |
|-------------------------|--|----------|
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| n/a | RF Power Amplifiers Option | n/a |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| n/a | Paging Decoder Option | n/a |
| OPTIONAL OPTIONS | | |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |
| See Attached | See Price Pages for complete Accessories and Options | |

**Portable Trunked Digital
UHF 806-870 Quality Category C**

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 14 | 512 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5/25 | 12.5 / 25 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/3 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -45 | -75 |
| FM Noise, dB | -40 | -40 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-65 | -75/-63 |
| Spurious and Image Rejection, dB | -70 | -75 |
| Intermodulation, dB | -70 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,540.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|---|--------------|
| Part Number | Description | Price |
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Emergency Button Option | |
| included | Position Rotary Channel/Mode Select Switch Option | |
| included | Low Battery Alert Tone Option | |

| | | |
|-------------------------|--|----------|
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| included | Alphanumeric Display Option | |
| included | Adaptive Transmitter Power Control Option | |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 585-5100-14010 | Model II Leather Swivel Case | \$56.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| OPTIONAL OPTIONS | | |
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |

**Portable Trunked Digital
UHF 806-870 Quality Category D**

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 2 | 48 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 64 | Full Bandsplit |
| Frequency Stability (-30 °C to + 60 °C), PPM | 2.5 | ± 1.5 |
| Channel Spacing, kHz | 12.5/25 | 12.5 / 25 |
| APCO P-25 TRUNKED STANDARDS | | |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/3 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -45 | -75 |
| FM Noise, dB | -40 | -40 |
| Audio Distortion, % maximum | 5 | 2 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -60/-55 | -75/-63 |
| Spurious and Image Rejection, dB | -65 | -75 |
| Intermodulation, dB | -65 | -75 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 2 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ, dBm | -116 | -119 |
| Price FOB Destination freight prepaid & included in price | | \$1,280.00 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | EFJohnson |
| Prices are based on price list quoted above dated: | | 10/31/2012 |

| REQUIRED OPTIONS | | |
|-------------------------|--------------------|--------------|
| Part Number | Description | Price |

| | | |
|-------------------------|--|----------|
| 250-5100-235 | Regular Rate Dual Chem Charger | \$80.00 |
| included | Emergency Button Option | |
| included | Position Rotary Channel/Mode Select Switch Option | |
| included | Low Battery Alert Tone Option | |
| included | Programmable Button Option | |
| included | Push-to-talk ID Transmission Option | |
| n/a | Alphanumeric Display Option | |
| included | Adaptive Transmitter Power Control Option | |
| Upgrade | Dual Tone Multi Frequency encoder – Keypad Option (Must be purchased with Radio) | \$120.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| 589-0015-057 | External Speaker/Microphone Option | \$104.00 |
| OPTIONAL OPTIONS | | |
| n/a | RF Power Amplifiers Option | n/a |
| n/a | Paging Decoder Option | n/a |
| 888-1190-004 | Vehicular Charger | \$96.00 |
| Option | Secure AES Encryption Option (When purchased with Radio) | \$380.00 |
| 250-5100-315 | Multi-Chem Desktop Charger | \$120.00 |

CONTRACTOR INFORMATION

Contractor: **Aviat Networks, Inc. / Aviat US, Inc. (formerly Harris Stratex Networks Operating Corporation)**

(Received award for Phase I and Phase II)

Contact: Laurent Brigdan

Alternate

Anita Kretzschmer

Contact:

Phone: (206) 340-1015

(408) 567-3867

Fax: (408) 567-2161

(408) 567-2102

Email: laurent.brigdan@aviatnet.com

Anita.kretzschmer@aviatnet.com

Internet address: www.aviatnetworks.com

Web catalog address: www.aviatnetworks.com

Federal ID No.: 34-0276860; New Federal ID # 77-0016028

Supplier No.: W326

Total Contract worth: \$6,280,000 (estimate based on 2012 sales)

Payment address: 637 Davis Drive
Morrisville, NC 27560

Order
placement
address:

637 Davis Drive
Morrisville, NC 27560

Customer Service: Laurent Brigdan

Telephone: (206) 340-1015

Fax: (408) 567-2161

Ordering procedures:

Credit card acceptance: Visa, MasterCard

Minimum orders:

Delivery time: Days After Receipt of Order (ARO): Aurora: 30 days, Constellation, MegaStar, Galaxy, Microstar, TRuepoint Eclipse, IRU, Unity, WTM: 30-60 days, SPR Series, TBD

Payment terms: 0% 30 days

Shipping destination: Freight on Board (FOB) destination

Freight: Prepaid and included

Palletization: N/A

Category: Category 5, Digital Microwave Radios

Equipment Line items: Accessories at pass through pricing and added options at reduced prices see contractor

Awarded Phase(s) Phase I & II

The following business is authorized to sell and service all Aviat Networks products and services vis this WSCA contract:

DG Capitel Ltd.
3540 W. Sahara Avenue E-6 #98
Las Vegas, NV. 89102
Contact: Scott Crosbie
Tel: (702)-990-1507
scrosbie@dgcapitel.com

| State of Washington – Master Contracts and Consulting | | | |
|---|--|--|------------------------|
| Microwave Radio Bid Response Price Sheet | | | |
| | Optional Items-Technical Services ¹ | | |
| Item | Description | | Price (Per Price Book) |
| 1.00 | Frequency Coordination | | |
| 1.10 | Frequency Bands-6 and 11 GHz | | |
| 1.11 | First Frequency Pair | | \$1,400.00 |
| 1.12 | Additional Frequency pairs coordinated at the same time. | | \$900.00 |
| 1.20 | Frequency Bands-10, 18 and 23 GHz | | |
| 1.21 | First Frequency Pair | | \$1,300.00 |
| 1.22 | Additional Frequency pairs coordinated at the same time. | | \$850.00 |
| 1.30 | Renewal Notices-Required to protect coordinated paths when license filings haven't been submitted. | | |
| 1.31 | For first path | | \$320.00 |
| 1.32 | For each additional path at the same time | | \$70.00 |
| 1.40 | FCC License Preparation | | |
| 1.41 | Per site location | | \$400.00 |
| 1.50 | FCC License Submittal Fee | | |
| 1.51 | New License-per site location | | \$480.00 |
| 1.52 | Modification to License-per site location | | \$295.00 |
| 1.60 | Verbal Coordination Expedite | | |
| 1.61 | For first path | | \$850.00 |
| 1.62 | For each additional path at the same time | | \$200.00 |
| 2.00 | Field Engineering | | |
| 2.10 | Field Service Enginner (rate per man day) | | \$1,200.00 |
| 2.20 | Field Living Expenses (rate per calender day) | | \$152.00 |
| 3.00 | Installation Services (Per Man Day) | | |
| 3.10 | EF&I Project Engineering | | \$800.00 |

| | | | |
|------|--|--|------------|
| 3.20 | Program Management | | \$1,126.00 |
| 3.30 | Field Engineer | | \$880.00 |
| 3.40 | Network Engineering | | \$1,100.00 |
| 3.50 | Application Engineering | | \$900.00 |
| 3.60 | Transmission Engineering | | \$1,100.00 |
| 3.70 | Path Survey (for up to 3 paths; over 3 paths obtain quote) | | \$2,700.00 |
| 3.80 | Field Expenses | | \$152.00 |
| | ¹ Please see Harris Price Book, Volume II for more details and conditions for above items | | |

North America Sales & Private Networks Assignment

EASTERN - WESTERN CANADA

NORTHWEST

AK, WA, OR,

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 Seattle, WA 98133-9348
 Tel: 206-340-1015
 Mobile: 206-369-7766
 eFax: 408-567-2161
 Anita Kretschmer: 514-421-8441

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 Kathleen Warner
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 Mustafa Senol: 210-526-6444

WEST

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 Homer Decano: 408-567-6630

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Todd Truss

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 San Antonio, TX 78240
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 eFax: 408-567-2211
 Eric Harris: 210-526-6445

SOUTHEAST

MS, AL, GA, SC, NC, FL

Greg Martin

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 eFax: 408-567-2223
 Gary Howard: 210-526-6446

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 22 Sniffen Road
 Armonk, NY 10504
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 Mobile: 917-439-5892
 eFax: 408-567-2214
 Gale Saylor (Proposal Coordinator)
 Tel: 408-567-6649
 eFax: 408-567-2128

MIDWEST

MN, IA, MI, WI, IL, IN, OH

John Kingsley

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 eFax: 408-567-2149
 Bob Rather: 210-526-6448

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NY, VT, ME, NH, MA,
 NJ, CT, RI, PA, DE

Bob Brown

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 eFax: 408-567-2240
 Joseph Church: 210-526-6441

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 E-Fax: 408-567-2118
 Joseph Church: 210-526-6441

US Government Initiatives

Account Manager

Robin Sims

11675 Great Oaks Way, Suite 120
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 eFax: 408-567-2192

DIRECTOR PRIVATE NETWORKS

John Kerrigan

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Mobile: 209-989-9926

eFax: 408-567-2148

PHASE I

| HARRIS MCD DISCOUNT SCHEDULE FOR WSCA PHASE I INCL. ACCESSORIES | | | |
|---|--|--------------|----------------------------------|
| | | | |
| 1 | Constellation 6 GHz | 8 x T1 | 59% |
| 2 | Constellation 6 GHz | 16 x T1 | 59% |
| 3 | Constellation 6 GHz | 28 x T1 | 60% |
| 4 | Constellation 6 GHz | OC3 | 61% |
| 5 | Constellation 6 GHz | 3 DS3 | 60% |
| | | | |
| 6 | Constellation 10/11 GHz | 8 x T1 | 60% |
| 7 | Constellation 10/11 GHz | 16 x T1 | 60% |
| 8 | Constellation 11GHz | 28 x T1 | 61% |
| 9 | Constellation 11 GHz | OC3 | 65% |
| 10 | Constellation11 GHz | 3 DS3 | 63% |
| | | | |
| 11 | MegaStar 155-6 GHz | OC-3 | 53% |
| 12 | MegaStar 155-11 GHz | OC-3 | 52% |
| 13 | MegaStar 155-6 GHz | 3 DS3 | 54% |
| 14 | MegaStar 155-11 GHz | 3 DS3 | 52% |
| | (See Constellation above for OC3 and 3 DS3 radios. MegaStar available for system expansions) | | |
| 15 | MicroStar 18 ext mux | 28 x T1 | 50% |
| 16 | MicroStar 18 ext mux | 28 x T1 | 50% |
| 17 | MicroStar 18 ext mux | 16 x T1 | 50% |
| 18 | MicroStar 18 ext mux | 16 x T1 | 50% |
| | | | |
| 19 | TRuepoint 18 | 28 & 16 x T1 | Year 1 @ 50% Year 2 & 3 @ 59% |
| | | | |
| 20 | MicroStar 23 ext mux | 28 x T1 | 44% |
| 21 | MicroStar 23 ext mux | 28 x T1 | 44% |
| 22 | MicroStar 23 ext mux | 16 x T1 | 44% |
| 23 | MicroStar 23 ext mux | 16 x T1 | 44% |
| | | | |
| 24 | TRuepoint 23 | 28 & 16 x T1 | Year 1 @ 44% Year 2 & 3 @ 53% |
| | | | |

| | | | |
|----|--|-----------|-------------------------------|
| 24 | Galaxy 18 GHz | OC3 | 37% |
| 25 | Galaxy 23 GHz | OC3 | 36% |
| | | | |
| 26 | TRuepoint 18 GHz | OC3 | Year 1 @ 37% Year 2 & 3 @ 46% |
| 27 | TRuepoint 23 GHz | OC3 | Year 1 @ 36% Year 2 & 3 @ 45% |
| 28 | All other TRuepoint capacities, frequencies, & accessories | | Year 1 @ 37% Year 2 & 3 @ 46% |
| 29 | All Eclipse/ Unity / IRU 600 capacities, frequencies & accessories | | Year 1 @ 37% Year 2 & 3 @ 46% |
| | | | |
| 30 | Aurora 5.8, unprotected | 1 X T1 | 47% |
| 31 | Aurora 5.8, unprotected | 2 X T1 | 56% |
| 32 | StarView | NMS | 10% |
| 33 | FarScan for Windows | SW | NO CHARGE |
| 34 | CAU remote alarm unit | 32 alarms | \$1,920 |
| 35 | MicroStar order wire | | \$225 |
| 36 | Constellation order wire | | \$625 |
| 37 | MegaStar order wire | | \$625 |
| 38 | Rack and fuse panel* | | \$500 |
| 39 | M13 mux | | \$2,519 |
| 40 | OEM equipment | | Per price list attached |
| | ** Space Diversity additional cost | | |

| | | | | | | | | | | |
|-----------------------|----------------------------|------------------|----------------|-------------------------|---|---|--|-----------------|-------------------------|----------------------------|
| Frequency Band: 6 GHz | | | | | Radio Configuration: Hot Standby - Terminal | | | | | Date: 7/24/03 |
| Capacity in T1s | Model Number Constellation | Radio List Price | Radio Discount | Mux Price (No Discount) | MW Equip (Radio w/ DS1 Mux) Price First Year3 | MW Equip (Radio w/ DS1 Mux) Price Second/Thir | No DS1 Multiplex4 (per Section 1.22 (4) of Phase 2 | Orderwire Price | Alarm and Control Price | Total Line Price, 1st Year |

| | | | | | | d Year3, 6 | Tech Specs) | | | |
|-------------------|---------------------------|-------------|--------|--|-------------|--|-------------|----------|----------|-------------|
| DS34 | RC306EE STPZ#B0 00B | \$58,000.00 | 58.00% | | \$24,360.00 | \$19,140.00 | \$24,360.00 | \$625.00 | included | \$24,985.00 |
| 3xDS34 | RY106EG TPV##000 0B | \$70,725.00 | 60.00% | | \$28,290.00 | \$21,924.75 | \$28,290.00 | \$625.00 | included | \$28,915.00 |
| 2xDS3 + 28DS14 | RY106EG TPW##00 00B | \$77,725.00 | 63.00% | | \$28,758.25 | 2nd Year: \$28,758.25 3rd Year: \$21,763.00 | \$28,758.25 | \$625.00 | included | \$29,383.25 |
| 4xDS34 | RY106EG TPY#P00 00B | \$83,500.00 | 69.00% | | \$25,885.00 | 2nd Year: \$25,885.00 3rd Year: \$18,370.00 | \$25,885.00 | \$625.00 | included | \$26,510.00 |
| 3xDS3 + 28DS14 | RY106EG TPZ##000 0B | \$90,500.00 | 71.00% | | \$26,245.00 | 2nd Year: \$26,245.00 3rd year: \$18,100.00 | \$26,245.00 | \$625.00 | included | \$26,870.00 |

Notes:

¹Power shall be measured at top of flange in dBm.

²Based on 10⁻³ Bit Error Rate receiver sensitivity.

³Prices include a fully functional assembly with all standard industry interfaces for the signal payload, power connections, alarm I/O connections and any required data

or service channel interfaces.

⁴This space is reserved for vendors to add either equipment configurations or additional options.

⁵Provide physical interfaces for radio bid, ie Fast Ethernet, T1, DS3 etc

⁶Second (2nd) year discounts do not apply to 2xDS3+28DS1, 4xDS3 and 3xDS3+28DS1 capacity radios. The quantity break discounts are only valid in year three (3).

This is an example of Phase I pricing

Phase II
Stratex Networks Operating Corporation

| Manufacturer | Freq. Band | Capacity in T1's | Part number | Total Price |
|--|------------|------------------|---|-------------|
| Hot Standby - Terminal – 6 GHz | | | | |
| Harris | 6 GHz | 28T | RC306EESTPH#B000B | \$26,425 |
| Harris | 6 GHz | SONET-OC3 | RY106EGTPB##000B | \$27,544 |
| Non-Hot Standby - Terminal – 6 GHz | | | | |
| Harris | 6 GHz | 28T | RC306AESTPH#B000B | \$15,145 |
| Harris | 6 GHz | SONET-OC3 | RY106AGTBP##000B | \$16,205 |
| Hot Standby - Terminal – 11 GHz | | | | |
| Harris | 11 GHz | 28T | RC311EESTPH#B030B | \$27,340 |
| Harris | 11 GHz | SONET-OC3 | RY111EGTPB##1030b | \$28,118 |
| Non-Hot Standby - Terminal – 11 GHz | | | | |
| Harris | 11 GHz | 16T | RC311ACSTPE#B030B | \$14,538 |
| Harris | 11 GHz | 28T | RC311AESTPH#B030B | \$15,562 |
| Harris | 11 GHz | SONET-OC3 | RY111AGTPB##1030B | \$16,428 |
| Hot Standby - Terminal – 18 GHz | | | | |
| Harris | 18 GHz | SONET-OC3 | Galaxy RX118GZM209D#22 | \$24,570 |
| Harris | 18 GHz | SONET OC3 | Year 1 TRuepoint / Eclipse / Unity / IRU 600 HT152##DE2SS##00, ST15PPNP181####1A | \$24,570 |
| Harris | 18 GHz | SONET OC3 | Year 2 & 3 TRuepoint / Eclipse / Unity / IRU 600 HT152##DE2SS##00, ST15PPNP181####1A | \$21,060 |
| Non-Hot Standby – Terminal – 18 GHz | | | | |
| Harris | 18 GHz | 28T | Microstar M/H RK118AZS####0B001 + M13 MUX | \$7,737 |
| Harris | 18 GHz | 28T | Year 1 TRuepoint / Eclipse / Unity / IRU 600 HT152##AA2SS##00, ST15NNNN070#1##1A | \$7,737 |
| Harris | 18 GHz | 28T | Year 2 & 3 TRuepoint / Eclipse / Unity / IRU 600 HT152##AA2SS##00, ST15NNNN070#1##1A | \$6,671 |
| Harris | 18 GHz | SONET-OC3 | Galaxy RX118AZM209D#22 | \$13,230 |
| Harris | 18 GHz | SONET OC3 | Year 1 TRuepoint / Eclipse / Unity / IRU 600 HT152##DA2SS##00, ST15NNNN181####1A | \$13,230 |
| Harris | 18 GHz | SONET OC3 | Year 2 & 3 TRuepoint / Eclipse / Unity / IRU 600 HT152##DA2SS##00, ST15NNNN181####1A | \$11,340 |
| Non-Hot Standby - Terminal – 23 GHz | | | | |
| Harris | 23 GHz | 28T | Microstar M RF223EZS####0B41#B + M13 MUX | \$8,616 |
| Harris | 23 GHz | 28T | Year 1 TRuepoint / Eclipse / Unity / IRU 600 HT152##AA2SS##00, ST15NNNN070#1##1A | \$8,616 |
| Harris | 23 GHz | 28T | Year 2 & 3 TRuepoint / Eclipse / Unity / IRU 600 HT152##AA2SS##00, ST15NNNN070#1##1A | \$7,523 |
| Harris | 23 GHz | SONET-OC3 | Galaxy RB123ADS##56B40A | \$15,168 |
| Harris | 23 GHz | SONET-OC3 | Year 1 TRuepoint / Eclipse / Unity / IRU 600 HT152##DA2SS##00, ST15NNNN181####1A | \$15,168 |
| Harris | 23 GHz | SONET-OC3 | Year 2 & 3 TRuepoint / Eclipse / Unity / IRU 600 HT152##DA2SS##00, ST15NNNN181####1A | \$13,035 |






Stratex Networks Operating Corporation

| Hot Standby – Repeater – 6 GHz | | | | |
|-------------------------------------|--------|-----------|--|----------|
| Harris | 6 GHz | 28T | RC306ECSAPEEB000B RC306ECSB####000A | \$48,975 |
| Harris | 6 GHz | SONET-OC3 | RY106EGTPB##0000B RY106EGCPB##0000a | \$55,090 |
| Non-Hot Standby – Repeater – 6 GHz | | | | |
| Harris | 6 GHz | 28T | RC306ACSAPEEB000B RC306ACSB####000A | \$26,765 |
| Hot Standby – Repeater – 11 GHz | | | | |
| Harris | 11GHz | 16T | RC311ECSAPCCB030B RC311ECSB####030A | \$49,521 |
| Harris | 11GHz | 28T | RC311ACSAPEEB030B RC311ACSB####030A | \$50,886 |
| Harris | 11GHz | SONET-OC3 | RY111EGTPB#P0030b RY111EGCPB#P0030A | \$56,235 |
| Non-Hot Standby – Repeater – 11 GHz | | | | |
| Harris | 11GHz | 16T | RC311ACSAPEEB030B RC311ACSB####030A | \$26,307 |
| Harris | 11GHz | 28T | RC311ACSAPEEB030B RC311ACSB####030A | \$27,330 |
| Harris | 11GHz | SONET-OC3 | RY111AGTPB#P0030B RY111AGCPB#PB#0030a | \$32,855 |
| Hot Standby – Repeater – 18 GHz | | | | |
| Harris | 18 GHz | SONET-OC3 | Galaxy RX118GZM209D#20 RX118GZM209D#20 | \$49,140 |
| Harris | 18 GHz | SONET-OC3 | Year 1 TRuepoint / Eclipse / Unity / IRU 600 QTY 2 - HT152##DE2SS##00, ST15PPNP181####1A | \$49,140 |
| Harris | 18 GHz | SONET-OC3 | Year 2 & 3 TRuepoint / Eclipse / Unity / IRU 600 QTY 2 - HT152##DE2SS##00, ST15PPNP181####1A | \$42,120 |
| Non-Hot Standby – Repeater – 18 GHz | | | | |
| Harris | 18 GHz | 28T | Microstar M/H RK118AZS####0B001 RK118AZS####0B001 + M13 MUX | \$13,887 |
| Harris | 18 GHz | 28T | Year 1 TRuepoint / Eclipse / Unity / IRU 600 QTY 2 - HT152##AA2SS##00, ST15NNNN070#1##1A | \$13,887 |
| Harris | 18 GHz | 28T | Year 2 & 3 TRuepoint / Eclipse / Unity / IRU 600 QTY 2 - HT152##AA2SS##00, ST15NNNN070#1##1A | \$11,754 |
| Harris | 18 GHz | SONET-OC3 | Galaxy RX118AZM209D#22 RX118AZM209D#22 | \$26,460 |
| Harris | 18 GHz | SONET-OC3 | Year 1 TRuepoint / Eclipse / Unity / IRU 600 QTY 2 - HT152##DA2SS##00, ST15NNNN181####1A | \$26,460 |
| Harris | 18 GHz | SONET-OC3 | Year 2 & 3 TRuepoint / Eclipse / Unity / IRU 600 QTY 2 - HT152##DA2SS##00, ST15NNNN181####1A | \$22,680 |
| Non-Hot Standby - Repeater – 23 GHz | | | | |
| Harris | 23 GHz | 28T | Microstar M RF223AZS####0B41#B RF223AZS####0B41#B + M13 MUX | \$15,645 |
| Harris | 23 GHz | 28T | Year 1 TRuepoint / Eclipse / Unity / IRU 600 QTY 2 - HT152##AA2SS##00, ST15NNNN070#1##1A | \$15,645 |
| Harris | 23 GHz | 28T | Year 2 & 3 TRuepoint / Eclipse / Unity / IRU 600 QTY 2 - HT152##AA2SS##00, ST15NNNN070#1##1A | \$13,458 |
| Harris | 23 GHz | SONET-OC3 | Galaxy RB123ADS##56B40A RB123ADS##56B40A | \$30,336 |
| Harris | 23 GHz | SONET-OC3 | Year 1 TRuepoint / Eclipse / Unity / IRU 600 QTY 2 - HT152##DA2SS##00, ST15NNNN181####1A | \$30,336 |
| Harris | 23 GHz | SONET-OC3 | Year 2 & 3 TRuepoint / Eclipse / Unity / IRU 600 QTY 2 - HT152##DA2SS##00, ST15NNNN181####1A | \$26,070 |

CONTRACTOR INFORMATION

| | | | |
|---|---|---|---|
| Contractor: | Icom America, Inc. (Received award for Phase I and Phase II) | | |
| Contact: | Kristina Pickering, Government Sales Program Manager; Supports Contract Administration, Sales Programs, etc. | Alternate Contact: Government Sales & Customer Service; Supports: Pricing, availability, quotes, orders, tracking, etc. | |
| Address: | 12421 Willows Road NE Kirkland, WA 98034 | | |
| Phone: | (425) 450-6092 | (425) 450-6090 | |
| Fax: | (425) 450-6063 | (425) 450-6063 | |
| Email: | salescontracts@icomamerica.com | governmentsales@icomamerica.com | |
| Internet address: | http://www.icomamerica.com | | |
| Phase I - Product Information and Pricing: | Land Mobile Division – 37.25% off List Price Aviation Division – 49.25% off List Price | | |
| Phase II – Product Infofrmation and Pricing: | Aviation Division – 49.25% off List Price | | |
| Federal ID No.: | 91-1083924 | | |
| Supplier No.: | W7651 | | |
| Total Contract worth: | \$1,880,000 (estimate based on 2012 sales) | | |
| Payment address: | ICOM America, Inc. P.O. Box 31001-1310 Pasadena, CA 91110-1310 | Order placement address: | ICOM America, Inc. 12421 Willows Rd NE Kirkland, WA 98034 |
| Customer Service: | Government Sales Administration | | |
| Telephone: | (800) 306-1403 | | |
| Fax: | (425) 450-6063 | | |
| Ordering procedures: | Email, fax or call customer service | | |
| Credit card acceptance: | Visa, MasterCard, American Express | | |
| Minimum orders: | N/A | | |
| Delivery time: | 30-60 days After Receipt of Order (90 days on large orders) | | |
| Payment terms: | 3% - 30 days net 45 | | |
| Shipping destination: | Freight on Board (FOB) destination | | |
| Freight: | Prepaid and included | | |
| Palletization: | N/A | | |
| Category: | Category 2 Aircraft Band Radios | | |
| Equipment Line items: | | | |
| Support Services: | \$71.25 per hour | | |
| Repair Services: | \$71.25 per hour | | |
| Installation Services: | \$33.25 per radio | | |
| Programming Services: | \$33.25 per radio | | |
| Link to bid: | http://www.ga.wa.gov/pca/bids/02702-Phase2-Category2.doc | | |
| Specifications: | | | |
| Awarded Phase(s): | Phase I & II | | |

Phase I & II – Equipment from our 4 divisions (Amateur, Avionics, Marine and Land Mobile) to WSCA and Non-WSCA states for Icom equipment.

| | |
|--|--|
| WHEN END USER PURCHASES DIRECT FROM ICOM America | FOR AVIONICS PRODUCTS SEE AUTHORIZED DEALERS: <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  WSCA Authorized Dealers June 2014.pdf </div> <div style="text-align: center;">  WSCA 02702 Authorized Dealers 14 </div> </div> |
| Land Mobile Division 37.25% off List price (including RF Technology Eclipse Series P25 Repeater) AVIONICS 49.25% off list price | Phase One & Phase Two Pricing: <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  WSCA 02702c Pricing September 1 2012 re </div> <div style="text-align: center;">  WSCA 02702 Pricing 14SEP.xls </div> <div style="text-align: center;">  Icom RF Tech Eclipse P25 Repeater.pdf </div> </div> |

Effective April 1, 2010, Icom America updated its equipment warranty as follows:

- Three (3) years full parts and labor warranty on P25 digital and IDAS Land Mobile radios
- Two (2) years full parts and labor warranty on all other Land Mobile radios
- One (1) year full parts and labor warranty on all accessories
- 1 / 2 / 3 years extended warranty options are available for Land Mobile division mainframes upon request.

SPECIFICATIONS AM Band Aircraft Radio

| Description |
|---|
| One panel mounted VHF-AM Aeronautical Transceiver (VHF-1) |
| Two panel mounted VHF-AM Aeronautical Transceiver (VHF-1 and VHF-2) |
| Operating in the frequency band of 118.00 to 135.975 MHz |
| With a minimum of 760 channels in no greater than 25 Khz increments |
| Minimum of 5 watt carrier output power |
| Must be TSO certified |

CONTRACTOR INFORMATION

Contractor: **Raytheon/JPS**

(Received award for Phase I and Phase II)

Contact: Ramona Myers **Alternate Contact:** Arthur Powers, VP Contracts

Phone: (919) 790-1011 (919) 865 1054

Fax: (919) 865-1400 (919) 865-1400

Email: Ramona.myers@raytheon.com arthur.powers@raytheon.com

Internet address: www.raytheon.com

Web catalog address:

Federal ID No.: 56-1621866

Supplier No.: 1794

Total Contract worth: \$560,000 (estimate based on 2012 sales)

| | | | |
|-------------------------|----------------------|------------------------|----------------------|
| Payment address: | Raytheon/JPS | Order placement | Raytheon/JPS |
| | 5800 Departure Drive | address: | 5800 Departure Drive |
| | Raleigh, NC 27616 | | Raleigh, NC 27616 |

Customer Service: **Marcia Ray, Inside Sales Associate**
marcia.ray@raytheon.com

Telephone: (919) 865 1216

Fax: (919) 865-1400

Ordering procedures:

Credit card acceptance: Master Card, Visa

Minimum orders:

Delivery time: 30 days After Receipt of Order (ARO)

Payment terms: 0% 30 days

Shipping destination: Freight on Board (FOB) destination

Freight: Prepaid and included

Palletization: N/A

Category: Gateway systems; ACU1000, voter devices

Equipment Line items:

Link to bid <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category4.doc>

Specifications:

Awarded Phase(s): Phase I & II

The purpose of this section is to purchase an audio switch unit(s) that has components that are interface modules, each designed to connect a specific communications medium (VHF/UHF radio, telephone or

Satcom, HF radio, local operator, ect.), a control module, a power supply module, a chassis to accommodate the modules, and a backplane to route audio and control signals between modules.

Category 4, Specifications for ACU1000 and ACU-5000 added 10/28/2011.

| Description |
|--|
| RDI-1/DSP-1/AP-1 RX Audio Input |
| Input Impedance: Balanced or unbalanced 600 ohms or 10k ohms. |
| Input level: -30 dBm to + 10 dBm, adjustable. |
| Frequency Responses: 100 Hz to 3200 kHz \pm 2Db |
| RDI-1/DSP-1 TX Audio Output RDI-1/DSP-1/AP-1 TX Audio Output |
| Output Impedance: Balanced or unbalanced 600 ohms. |
| Output Level: -20 to +11 dBm, adjustable. |
| Frequency Response: 100 to 3200 Hz \pm 2dB |
| RDI-1/DSP-1/AP-1 COR Input |
| Input Impedance: 47K ohm pullup to + 5V. |
| Polarity: Active low or high, selectable. |
| Threshold: + 2.5V nominal. |
| Protection: up to \pm 100 VDC |
| RDI-1/DSP-1/AP-1 PTT Output |
| Output Type: Open drain, 47k ohm pullup to +5V. |
| Polarity: Active low or high, selectable. |
| Maximum Sink Current: 100 mA |
| Maximum Open Circuit Voltage: + 60 VDC |
| PSTN-1 Telephone Interface |
| Telephone Line Levels: Adjustable -24 dBm to 0 dBm in 3 dB steps. |
| Hybrid Type: DSP adaptive hybrid; -30 dB broadband balance. |
| Frequency Response: 100 Hz to 3200 Hz \pm 2 dB |
| VOX Threshold: Selectable -19, -16, -13, and -10 dB relative to telephone line level. |
| VOX Hangtime: Selectable 0.5, 1.0, 1.5, and 2.0 seconds. |
| General/ Environmental |
| Control Processor Module Serial Port: RS-232 DCE connector (female DB0). Baud rates: 1200, 2400, 4800, or 9600, software selectable. |
| Power Supply Front Panel (PSM-1A): Power on/off Switch; AC on, DC on, +12 VDC, - 12 VDC LEDs. |
| Handset/Speaker Fount Panel (HSP-2): Speaker, Speaker on/off switch, 1/8 inch Headphone jack, Volume control, PTT LED, Fault LED, Handset jack, 3X4 Keypad. |
| Control Processor Front Panel (SPM-2): Master, Slave, and Fault LEDs. |
| Radio Interface Front Panel (RDI-1): Signal, COR, PTT, and Fault LEDs. |
| Tel Interface Front Panel (PSTN-1): Monitor, Ring, Connect, VOX, and Fault LEDs: L1 and L2 RJ11C Connectors. |
| Local Phone Front Panel (LP-1): Monitor, Ring, Off Hook, VOX, and Fault LEDs: L1 and L2 RJ11C Connectors. |
| Audio Processor Front Panel (AP-1): Bypass, PTT, Normal, Peak LEDs, Bypass switch. |
| Rear Panel: DC fuse holder, AC filter module, connectors to interface up to 12 modules, Serial remote connector, Expansion connector. |
| AC Input Power: 115 to 230 VAC \pm 15%, 47-63 Hz, 100 VA typical, 130 VA maximum. |
| DC Input Power: + 11 to + 15 VDC @ 5A nominal. |
| Size: 5.25 in H X 19 in W X 11 in D (13.3X48.3X28 cm) |
| Temperature: Operation: -20 to +60 degrees C. Storage: -40 to +85 degrees C. |

| Description |
|---|
| Humidity: Up to 95% @ 55 degrees C. |
| Shock: MIL-STD-810D, method 516.3, procedure VI |
| Vibration: MIL-STD-810D, Method 514.3, Category I. |
| Provide product support for 7 years after last unit being purchase from this IFB. |
| Provide <u>Required</u> Firmware, Software updates or improvements at no cost for 7 years after last unit being purchase from this IFB. |

PRODUCTS AND PRICE SHEETS (Added May 2012)

| PART NUMBER | DESCRIPTION | OLD PRICE | PRICE EFF. 6/1/13 |
|-------------|---|-------------|-------------------|
| 5090-601611 | Workstation – includes large touch screen monitor, keyboard/mouse, audio interface, headset box, speakers and footswitch | \$10,393.00 | \$10,393.00 |
| 5090-601620 | Workstation – includes standard touch screen monitor, keyboard/mouse, audio interface, headset box, speakers and footswitch | \$9,993.00 | \$9,993.00 |
| 5090-601601 | Gateway Servers (2) Redundant | \$15,260.00 | \$15,260.00 |
| 5090-601602 | Instant recall record interface | \$995.00 | \$995.00 |
| 5090-601603 | Controller (12 slot) | \$3,265.00 | \$3,265.00 |
| 5090-601604 | Double Power Supply | \$2,995.00 | \$2,995.00 |
| 5090-601605 | Termination Panel | \$1,005.00 | \$1,005.00 |
| 5090-601606 | Channel Controller | \$19,950.00 | \$19,950.00 |
| 5090-601610 | Spares | \$9,637.00 | \$9,637.00 |
| 5090-601621 | Touchscreen GUI | \$225.00 | \$225.00 |
| 5090-601622 | Jack Box | \$325.00 | \$325.00 |

PRICE SHEETS

| PART NUMBER | DESCRIPTION | OLD PRICE | PRICE EFF. 6/1/13 |
|-------------|---|-------------|-------------------|
| 5100-100000 | ACU-5000 Next Generation IP Based Interoperability Gateway Server (with accessory Kit & Manual). Base unit includes four ports activated. | \$15,500.00 | \$15,461.25 |
| 5100-112000 | Additional Channels (for above Gateway server) (cost per channel). Up to 8 additional ports can be activated for a maximum of twelve ports. | \$1,590.00 | \$1,586.50 |

| PART NUMBER | DESCRIPTION | OLD PRICE | PRICE EFF. 6/1/13 |
|-------------|--|---------------------|-------------------|
| 0130-310319 | MGNT-TB-V/U/C - Tri-band mobile antenna, magnet, roof mount | No longer available | |
| 0130-301550 | IOAK-TB-V/U/C - Interoperable antenna with tri-band coupler | No longer available | |
| 0130-401360 | IOAK-QB-A/V/U/C - Interoperable antenna with quad-band coupler | No longer available | |
| 0131-301550 | IOAK-Tripod - Optional black tripod for IOAK antennas | No longer available | |
| 0150-200000 | Handset, Black | \$104 | \$110.20 |
| 0313-060000 | Coil Cord | \$28 | \$30.40 |
| 0313-080100 | Null Modem Cable-6 ft. | \$28 | \$30.40 |
| 5050-110000 | Extended Rear Back Panel (Front Mount) for the ACU-1000 | \$1,427 | \$1,486.75 |
| 5050-120000 | Extended Rear Back Panel (Rear Panel) | | \$1,486.75 |
| 5020-500000 | CE Approved RTU-292 (international) | \$4,797 | \$5,037.85 |
| 5020-500000 | Standard RTU-292 | | \$5,037.85 |

| | | | |
|-------------|---|----------|-------------|
| 5030-200000 | ACU-T Tactical Package, AC/DC Powered Includes Card Cage, HSP-4A and CPM-4 Modules, and Accessory Kit | \$4,465 | \$4,688.25 |
| 5030-200150 | Accessory Kit | \$237 | \$249.85 |
| 5030-204000 | Case Option Kit - * Ruggedized Foam-Lined Case includes Battery Power Kit. Allows for storage for ACU-T Accessories and Radio Interface Cables. | \$1,007 | \$1,057.35 |
| 5030-205000 | ACU-T Battery Power Kit - 18 AH battery with cable | \$222 | \$229.90 |
| 5030-206000 | STU-III Phone Option for ACU-T (use with DSP-2 for STU-III Interface) | \$674 | \$698.25 |
| 5030-210000 | ACU-T Bundle Kit - Includes ACU-T Tactical Package, 5 Interface Modules, and Case Option Kit with Battery - to qualify for Bundle Kit pricing, each kit must be ordered with 5 Interface Modules, in any combination. Anything less is not a Bundle Kit. ACU-T Interface Modules are the same part numbers as the ACU-1000 Interface Modules (DSP-2, PSTN-2, LP-1). | \$10,301 | \$10,733.10 |
| 5030-273000 | Power Cord Adaptor-External Power Supply | \$304 | \$319.20 |
| 5030-299010 | LE-10 4-Wire Audio Remote with Handset & Speaker with adapter - used with ACU-T | \$683 | \$708.70 |
| 5030-299020 | LE-20 4-Wire Audio Remote with Desktop Microphone and Speaker with adapter - used with ACU-T | \$964 | \$1,007.95 |
| 5030-299030 | LE-30 Remote Station - used with ACU-T | \$985 | \$1,027.90 |
| 5030-299040 | LE-40 Remote Speaker Microphone Assembly - used with ACU-T | \$1,105 | \$1,157.10 |
| 5040-602200 | HSP-2A Module - Handset Speaker Module used with the ACU-1000 | \$2,061 | \$2,145.10 |
| 5040-602400 | HSP-4A Module - Handset Speaker Module used with the ACU-T | \$2,010 | \$2,094.75 |
| 5040-632200 | HSP-2IP Handset Speaker Module | \$2,061 | \$2,145.10 |
| 5041-100000 | CIM-2A Module - Console Interface Module used for spare module for the SNV-12 Chassis | \$999 | \$1,057.35 |
| 5041-200000 | NXU-2A Network eXtension Unit - (Desktop, 110 VAC to + 12V DC Powered, 115/220 VAC 50/60Hz). | \$723 | \$828.40 |
| 5050-300000 | PSTN-2 Public Switched Telephone Interface Module - used for ACU-1000 and ACU-T | \$1,296 | \$1,347.10 |
| 5050-330000 | PSTN-2IP Public Switched Telephone Interface Module | \$1,297 | \$1,347.10 |
| 5060-100000 | ACU-M Unit - (4) audio interfaces, AC/DC power cord, accessory kit, mounting bracket, power supply, and training CD. | \$4,317 | \$4,499.20 |
| 5060-100300 | Spare mounting bracket | \$47 | \$50.35 |
| 5060-107000 | ACU-M Case Option - With the ACU-M, includes battery and battery back up. | \$5,020 | \$5,226.90 |
| 5060-107500 | ACU-M Case Option - Without the ACU-M | \$975 | \$1,017.45 |
| 5060-109000 | ACU-M Network Option - enables two VoIP channels and WAIS capability | \$533 | \$558.60 |
| 5060-119000 | ACU-M Bundle Kit - Includes VoIP/Network-enabled ACU-M, (4) interface cables, transportable case with battery and a charger, 110/220V power supply and AC/DC power cords. | \$5,020 | \$5,326.65 |
| 5060-800000 | ARA-1 (Desktop, 110 VAC to +12V DC Powered, 115/220VAC 50/60Hz) <i>External equipment interface cables for the ARA-1 must be ordered separately.</i> | \$1,502 | \$1,566.55 |
| 5060-820000 | ARA-1 5 Pack - Five ARA-1 Units | \$5,700 | \$5,985.00 |

| PART NUMBER | DESCRIPTION | OLD PRICE | PRICE EFF. 6/1/13 |
|------------------------|--|----------------------|------------------------------|
| 5061-100000 | CPM-3 Control Processor Module - used for spare module for the SNV-12 Chassis | \$999 | \$917.70 |
| 5061-300000 | SCM-1 Radio/SIP Interface Module | \$2,101 | \$2,185.00 |
| 5061-330000 | SCM-2 Radio/SIP Interface Module | \$2,101 | \$2,185.00 |
| 5070-400000 | LP-2 Local Phone Set Module | | \$1,347.10 |
| 5070-430000 | LP-2 IP Local Phone Set Module | \$1,297 | \$1,347.10 |
| 5890-694000 | Rack Slides - used with NRU-600 and PPS-100 | \$281 | No longer available |
| 5930-594000 | Rack Slides - used with RTU-292 | \$281 | \$304.00 |
| 5930-595000 | RTU-292 Voice Prompt Option - Female, English | \$402 | \$418.95 |
| 5930-596000 | RTU-292 Local Phone Option | \$352 | \$369.55 |
| 5951-707000 | Extender Card Assembly | \$66 | \$70.30 |
| 5951-800000 | SNV-12 Standard Voter Chassis - Rack Mount, AC/DC Powered, includes Card Cage, PSM-1A Power Supply Module, CIM-2A Console Interface Module, and CPM-3 Control Processor Module | \$4,618 | \$4,867.80 |
| 5951-813000 | PSM-1A Power Supply Module - for use with ACU-1000 and SNV-12 | \$999 | \$1,037.40 |
| 5951-833000 | PSM-1IP Power Supply Module | \$999 | \$1,137.15 |
| 5951-896024 | SNV-12 Expansion Cable to Second Chassis option - up to 24 sites | \$180 | \$190.00 |
| 5951-896036 | SNV-12 Expansion Cable to Second and Third Chassis option - up to 36 sites | \$296 | \$309.70 |
| 5952-112000 | SVM-2 Site Voter Module - up to 12 per chassis | \$821 | \$877.80 |
| 5960-707000 | ACU-Terminal Block, 3.50" - 19" rack panel for multiple STU-III Option Power | \$232 | N/A |
| 5960-708000 | ACU-Terminal Block, 1.75" - 19" rack panel for multiple STU-III Option Power | \$200 | N/A |
| 5960-796000 | RTU-292 STU-III Phone Option | \$392 | N/A |
| 5961-200000 | ACU-1000 Chassis | \$3,387 | \$3,531.15 |
| 5961-200160 | Expansion Option Cable and Number Kit | \$271 | \$279.30 |
| 5961-213000 | CPM-4 Control Processor Module - used for the ACU-1000 and ACU-T | \$1,477 | \$1,536.15 |
| 5961-217000 | LP-1 Local Phone Set Module - used for ACU-1000 and ACU-T | \$1,296 | No longer available |
| 5961-220000 | ACU-1000 Required Equipment Bundle - Includes the ACU-1000 Card Cage, PSM-1A Power Supply Module, CPM-4 Control Processor Module, and HSP-2A Handset Speaker Module | \$7,899 | \$8,229.85 |
| 5961-230000 | ACU-2000IP Required Equipment Bundle - Includes the ACU-2000IP Card Cage, PSM-1IP Power Supply Module, CPM-6 Control Processor Module, and HSP-2IP Handset Speaker Module | \$10,523 | \$10,967.75 |
| 5961-231000 | ACU-2000IP Chassis | \$3,387 | \$3,531.15 |
| 5961-233000 | CPM-6IP Control Processor Module | \$5,020 | \$5,226.90 |
| 5961-237000 | LP-1IP Local Phone Set Module | \$1,297 | N/A |
| 5961-281238 | Adaptor Cable (<i>cabeling costs increased substantially</i>) | \$47 | \$90.25 |
| 5961-294001 | ACU-1000 RX AP-1 RX Audio Processor Module Assembly | \$1,296 | N/A |
| 5961-294002 | ACU-1000TX AP-1 TX Audio Processor Module Assembly | \$1,296 | N/A |

| PART NUMBER | DESCRIPTION | OLD PRICE | PRICE EFF. 6/1/13 |
|---|--|--------------|----------------------|
| 5961-295000 | ACU-1000 STU-III Phone Option - use with DSP-2 for STU-III Interface | \$674 | \$698.25 |
| 5961-296000 | ACU-1000 Battery Backup Option | \$222 | \$229.90 |
| 5961-299000 | LE-10 4-Wire Audio Remote with Handset & Speaker - used with ACU-1000 | \$684 | \$708.70 |
| 5961-299001 | LE-20 4-Wire Audio Remote with Desktop Microphone and Speaker - used with ACU-1000 | \$965 | \$1,007.95 |
| 5961-299002 | LE-30 Remote Station - used with ACU-1000 | \$985 | \$1,027.90 |
| 5961-299005 | LE-40 Remote Speaker Microphone Assembly - used with ACU-1000 | \$1,106 | \$1,157.10 |
| 5961-299008-01 | Kenwood Channel Change Option (for Kenwood X80 series radios) | \$734 | \$768.55 |
| 5961-299008-02 | Kenwood Channel Change Option (for Kenwood X150/X180 series radios) | \$623 | \$648.85 |
| 5961-300000 | NRU-600 DSP Noise Reduction Unit (Rack Mount, AC/DC Powered) | \$2,042 | No longer available |
| 5961-818000 | DSP-2 Radio/4-Wire Interface Module - used for ACU-1000 and ACU-T | \$1,296 | \$1,347.10 |
| 5090-100000 | DSP-3 Radio/4-Wire Interface with Dispatch | New | \$2,185.00 |
| 5090-130000 | DSP-3 IP Radio/4-Wire Interface with Dispatch | New | \$2,185.00 |
| 5961-838000 | DSP-2IP Radio/4-Wire Interface Module | \$1,297 | \$1,347.10 |
| 5970-600000 | RTU-292 Radio/Telephone Interface Unit | \$4,326 | No longer available |
| 5970-791300 | RTU-292 Squelch Break Access Option | \$352 | \$369.55 |
| 5970-791500 | RTU-292 Call Logging Option | \$482 | \$498.75 |
| 5970-795000 | RTU-292 Radio Remote Control Option (URC-200 only) | \$352 | \$369.55 |
| 5970-799000 | RTU-292 DTMF Access Option | \$422 | \$438.90 |
| 5040-100000 | WAIS Standard – System Software | New | Consult JPS |
| 5040-200000 | WAIS Dispatch Option – System Software | New | Consult JPS |
| 5040-100100 | WAIS Standard – Software License Fee | New | \$237.50 |
| 5040-200100 | WAIS Dispatch Option - Software License Fee | New | \$237.50 |
| 5970-800010 | ACU-1000 Pelican Case Option Kit - Foam lined with internal rack to hold ACU-1000 with foam lining for operation when case is open | \$895 | N/A |
| 5970-800826 | IOAK-CH-L - Optional carry case for IOAK antennas | \$313 | No longer available |
| 5970-900000 | PTG-10 Pilot Tone Generator option | \$434 | \$529.15 |
| Cables | | | |
| Please contact Raytheon JPS for cable part number, pricing and ordering information. Prices for non-specialty cables range from \$140.00 to \$240.00. Consult factory for specialty cables. | | | |

The following products have been added to the contract effective 2/19/10. Prices reflect 5% discount off catalog pricing. Product list updated 2/6/13 to delete and add new router – see red print below.

| PART NUMBER | DESCRIPTION | OLD PRICE | PRICE EFF. 6/1/13 |
|----------------|---------------------------------------|--------------|----------------------|
| 5961-295302 | CABLE, AUDIO. ACU TO UNSELECT SPEAKER | \$29.50 | Consult JPS |

| | | | |
|--------------------|--|-----------------|-------------|
| 0314-045100 | CABLE, CAT 5 (RJ-45 M/M), 100FT | \$34.63 | Consult JPS |
| 0313-070000 | CABLE, CAT 5 (RJ-45 M/M), 6 FT | \$2.59 | Consult JPS |
| 5990-002003 | *COMPUTER MONITOR, TOUCH SCREEN, 17 IN | \$865.87 | Consult JPS |
| 5990-001002 | *COMPUTER, DESKTOP W/O MONITOR | \$965.72 | Consult JPS |
| 0313-070100 | ETHERNET SWITCH, 8 PORT, 120 VAC | \$53.87 | Consult JPS |
| 0153-050001 | SPEAKER, UNSELECT W/AMPLIFIER, 115VAC | \$35.91 | Consult JPS |
| 1625-141500 | AC PWR STRIP, RACK MT, 14 OUTLET, 1U, 115VAC | \$67.97 | Consult JPS |
| 8070-801908 | CABINET | \$2,116.13 | Consult JPS |
| 0314-045100 | CABLE, CAT 5 (RJ-45 M/M), 100FT | \$34.63 | N/A |
| 0313-070000 | CABLE, CAT 5 (RJ-45 M/M), 6 FT | \$2.59 | N/A |
| 5970-806001 | POWER SUPPLY, RACK MOUNT, 2U, 12VDC, 50A | \$513.00 | Consult JPS |
| 0313-070216 | ROUTER, VPN/NAT, 16 PORT, RK MT, 1U, 115/230VAC | \$568.15 | |
| 0313-070221 | ROUTER, NAT, 4 PORT, SHELF MT, 1U, 100-240VAC – (PEPLINK20) | \$383.46 | Consult JPS |
| 0313-072401 | ETHERNET SW, RACK MT, 24 PORT, 1U, 115/230 VAC | \$109.24 | N/A |
| 5961-291XXX-15 | RADIO INTERFACE CABLES (CONSULT JPS FOR SPECIFIC PART NUMBERS AND PRICING) | | Consult JPS |
| 9999-400009 | ON-SITE INSTALLATION | | Consult JPS |
| 9999-200000 | MANUFACTURING LABOR HOURLY RATE | \$80.75 | \$92.89 |
| 9999-400000 | ENGINEERING LABOR HOURLY RATE (\$152.00/hour or \$1,216.00/8-hour day) | | |
| 0000-000001 | **TRAINING, ACU | \$6,982.50 | \$7,332.10 |
| 0000-000002 | **TRAINING, SNV-12 | \$5,690.50 | \$5,975.50 |
| 0000-000308 | ***WAIS TECHNICAL/OPERATIONAL TRAINING | New | Consult JPS |

***COMPUTERS WITH INSTALLED SOFTWARE**

The computers function as a command and control station(s) to operate the ACU Controller Software and the PCNXU software that will be downloaded and configured by our engineers. This solution provides a fixed site installation along with the ability to remotely access the interoperability equipment (ACU) through a network connection. The ACU Controller Software provides the capability to operate, configure and monitor the ACU's operation. The PCNXU software provides the customer with the ability to remotely establish a VoIP /RoIP audio connection between the computer and ACU switches elsewhere on the network, regardless if the network is fixed, mobile or tactical.

TRAINING

**ACU training will consist of 16 hours of on-site training, at the customer's facilities, for up to 10 people. Students will receive a manual for reviewing and hands-on training.

**SNV-12 training will consist of 8 hours of on-site training, at the customer's facilities, for up to 10 people. Students will receive a manual for reviewing and hands-on training.

***WAIS TECHNICAL AND OPERATIONAL TRAINING – CONSULT JPS – BASED UPON SYSTEM SPECS.

VOLUME DISCOUNT PROGRAM - PHASE 1 AND PHASE 2 ALL CATEGORIES

The volume discount will be cumulative and over the term of the contract.

(Initial Term of Three [3] Years)

| Additional Discount off Net Contract Unit Price | Cumulative Total Sales from: | Cumulative Total Sales to: |
|---|------------------------------|----------------------------|
| 2 % | \$ 5,000,000 | \$ 9,999,999 |
| 3 % | \$ 10,000,000 | \$ 14,999,999 |
| 3 % | \$ 15,000,000 | \$ 19,999,999 |
| 4 % | \$ 20,000,000 | \$ 29,999,999 |
| 5 % | \$ 30,000,000 | \$ 100,000,000+ |

CONTRACTOR INFORMATION

Contractor: **Kenwood USA Corporation**

(Received award for Phase I and Phase II)

P.O. Box 22745

Long Beach, CA 90801-5745

Contact: Barry Morris

Phone: 800-752-0986 x8280

Fax: 310-761-8246

Email: bmorris@kenwoodusa.com

Internet address: <http://www.kenwood.net>

Web catalog address:

Federal ID No.: 95-2948901

Supplier No.: W6384

Total Contract worth: \$5,650,000 (estimate based on 2012 sales)

Alternate Contact:

Cheryl Daly

800-752-0986 x4469

360-761-8246

cdaly@kenwoodusa.com

Payment address: **See Listed Dealer
Locations by State**

**Order placement
address:**

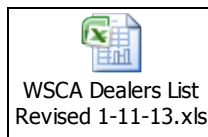
**See Listed Dealer
Locations by State**

Customer Service: Donetha Willis

Telephone: 800-752-0986 x8343

Fax: 310-761-8246

For a quotation or suggested retail pricing, contact one of the listed dealers below.



Ordering procedures:

Credit card acceptance: Visa

Minimum orders:

Delivery time: days After Receipt of Order (ARO)

Payment terms: **2% 30 days**

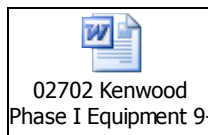
Shipping destination: Freight on Board (FOB) destination

Freight: **Prepaid and included**

Warranty: 3years for equipment manufactured after 3/09

Category: Category 1, Analog & Digital Portables, Digital Trunked Mobiles.

Phase One Product Line:



Link to bid Specifications:

Currently Installed **30% off Manufacturer List Price**

**Systems, upgrade
equipment, radio**

equipment and accessories:

Support Services: \$65.00 per hour

Installation Services: \$65.00 per hour
Repair Services: \$90.00 per hour
Awarded Phase(s): Phase I & II

PHASE I PRICING

| Req. Item | Description | Qty | Unit | Percentage off Mfg List Price |
|-----------|-----------------------|------------------------|----------------|-------------------------------|
| 1. | Base Station | 1-4 5-10 11+ | EA EA EA | 30% 30% 30% |
| 2. | Repeater | 1-4 5-10 11+ | EA EA EA | 30% 30% 30% |
| 3. | Portable Radio | 1-49 50+ | EA EA | 30% 30% |
| 4. | Mobile Radio | 1-20 21-100 101+ | EA EA EA | 30% 30% 30% |
| 5. | Desktop | 1-20 21-100 101+ | EA EA EA | 30% 30% 30% |
| 6. | Console Unit | 1-9 10+ | EA EA | |
| 7. | Support Services | 1 | HR | \$65.00 |
| 8. | Installation Services | 1 | HR | \$65.00 |
| 9. | Repair Services | 1 | HR | \$90.00 |
| 10. | Accessories | | EA | 30% |
| 11. | List other Equipment | | EA | |

Kenwood Phase I Equipment List is provided above an an embedded Word Document.

Kenwood Price Sheets

| ITEM | Mfg Name | Brand/Model# | Total Price |
|-------------------------------------|----------|--------------|-------------|
| Portable Analog | | | |
| High VHF 136-174 Quality Category D | Kenwood | TK-280K / K2 | \$498.50 |
| UHF 450-470 Quality Category C | Kenwood | TK-380K | \$498.50 |

Portable Analog

High VHF 136-174 Quality Category D

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|------------------------|------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 2 | 250 |

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|-----------------------------------|-----------------------------------|
| Operational Bandwidth/Maximum Frequency Separation, MHz | 38 | 38 |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | 2.5 |
| Channel Spacing, kHz | 12.5 / 25 / 30 | 12.5 / 25 / 30 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/5 selectable (Low/High) | 1/5 |
| Radiated Spurious & Harmonic Emission, dB | -60 | -70 |
| FM Noise, dB | -40 | -45 |
| Audio Distortion, % maximum | 5 | 3 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-60 | -75/-65 |
| Spurious and Image Rejection, dB | -70 | -70 |
| Intermodulation, dB | -70 | -70 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 5 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | - | - |
| Price FOB Destination freight prepaid & included in price | | \$498.50 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | Kenwood USA |
| Prices are based on price list quoted above dated: | | 7/1/2003 |
| Discount percentage represented by this price is | | 27% |
| Delivery - expressed in days after Receipt of Order | | Less than 60 Days |
| Warranty Period - in excess of that required by the specifications (in days) | | 365 Days |
| % Tax required | | 0% |
| Components added to the above model to meet required specifications: | | |

| REQUIRED OPTIONS | | |
|-------------------------|---|--------------|
| Part Number | Description | Price |
| KSC-19 | Battery Charger/Vehicular Battery or Nominal 120 VAC, 60 HZ * | \$25.55 |
| INCLUDED | Position Rotary Channel/Mode Select Switch Option | |
| INCLUDED | Low Battery Alert Tone Option | |
| TK-280K3 / K4 | Dual Tone Multi Frequency encoder and Key Pad Option | \$24.09 |
| KLH-75B / 76B | Leather Carrying Case Option | \$30.66 |
| KMC-25 | External Speaker/Microphone Option | \$67.16 |
| OPTIONAL OPTIONS | | |
| KVC-5 | Vehicular Charger/Console Option | \$248.20 |
| INCLUDED | Flashing EEPROM | |
| INCLUDED | Provision for Field Software Upgrade | |
| NO | Secure Encryption Option | |
| KVC-8A | RF Power Amplifiers Option | \$646.05 |
| INCLUDED | Paging Decoder Option | |
| INCLUDED | Emergency Button/Switch Option | |

| REQUIRED OPTIONS | | |
|------------------|-------------------------------------|-------|
| Part Number | Description | Price |
| INCLUDED | Programmable Button/Switch Option | |
| INCLUDED | Push-to-talk ID Transmission Option | |
| INCLUDED | Alphanumeric Display Option | |

Portable Analog
UHF 450-470 Quality Category C

| | STANDARD SPECIFICATION | BIDDER'S SPECIFICATION |
|--|---------------------------|---------------------------|
| GENERAL | | |
| Number of Channels/Modes/Personalities | 14 | 250 |
| Operational Bandwidth/Maximum Frequency Separation, MHz | 20 | 40 |
| Frequency Stability (-30 °C to + 60 °C), PPM | ± 2.5 | ± 2.5 |
| Channel Spacing, kHz | 12.5 / 25 | 12.5 / 25 |
| TRANSMITTER | | |
| RF Power Output, Watts | 1/4 selectable (Low/High) | 1/4 selectable (Low/High) |
| Radiated Spurious & Harmonic Emission, dB | -60 | -70 |
| FM Noise, dB | -40 | -40 |
| Audio Distortion, % maximum | 5 | 3 |
| Audio Response (per TIA/EIA 603) | +1, -3 | +1, -3 |
| RECEIVER | | |
| Sensitivity, EIA 12 dB Sinad, dBm | -116 | -119 |
| Selectivity, adj. channel (dB), 25/12.5 kHz | -70/-60 | -70/-62 |
| Spurious and Image Rejection, dB | -70 | -70 |
| Intermodulation, dB | -70 | -70 |
| Speaker Audio Output, milliwatts | 350 | 500 |
| Audio Distortion, % maximum | 5 | 5 |
| Static BER sensitivity @ 5% referenced @ 12.5 KHZ | - | - |
| Price FOB Destination freight prepaid & included in price | | \$498.50 |
| OTHER INFORMATION: | | |
| Prices are based on Manufacturer's price list entitled: | | Kenwood USA |
| Prices are based on price list quoted above dated: | | 7/1/2003 |
| Discount percentage represented by this price is | | 27% |
| Delivery - expressed in days after Receipt of Order | | Less than 60 Days |
| Warranty Period - in excess of that required by the specifications (in days) | | 365 Days |
| % Tax required | | 0% |
| Components added to the above model to meet required specifications: | | |

| REQUIRED OPTIONS | | |
|------------------|---|---------|
| Part Number | Description | Price |
| KSC-19 | Battery Charger/Vehicular Battery or Nominal 120 VAC, 60 HZ * | \$25.55 |
| INCLUDED | Position Rotary Channel/Mode Select Switch Option | |
| INCLUDED | Low Battery Alert Tone Option | |

| | | |
|-------------------------|--|----------|
| INCLUDED | Alphanumeric Display Option | |
| TK-380K4 | Dual Tone Multi Frequency encoder and Key Pad Option | \$36.50 |
| KLH-75B / 76B | Leather Carrying Case Option | \$30.66 |
| KMC-25 | External Speaker/Microphone Option | \$67.16 |
| OPTIONAL OPTIONS | | |
| KVC-5 | Vehicular Charger/Console Option | \$248.20 |
| INCLUDED | Flashing EEPROM | |
| INCLUDED | Provision for Field Software Upgrade | |
| NO | Secure Encryption Option | |
| KVC-8A | RF Power Amplifiers Option | \$646.05 |
| INCLUDED | Paging Decoder Option | |
| INCLUDED | Emergency Button/Switch Option | |
| INCLUDED | Programmable Button/Switch Option | |
| INCLUDED | Push-to-talk ID Transmission Option | |

CONTRACTOR INFORMATION

Contractor: **Harris RFCD, A Division of Harris Corporation**
(formerly M/A COM of Tyco Electronics)

(Received award for Phase I and Phase II)

Contact: Daphne Monroe

Email: dmonroew@harris.com

Phone: (434) 455-9231

Fax: (434) 385-2810

Corporate Contact: Chris Chaffee

Email: cchaffee@harris.com

Phone: (434) 485-7951

Fax: (321) 409-4393

Internet address: www.harris.com

Web catalog address:

Federal ID No.: 34-0276860

Supplier No.: W2781

Total Contract worth: \$9,200,000 (estimate based on 2012 sales)

Customer Service: Customer Care Center

Telephone: (800) 368-3277

Fax: (321) 409-4393

Order Placement Harris, RFCD, PSPC

Address: Attn: Customer Care Center

221 Jefferson Ridge Pkwy

Lynchburg, VA 24501

Payment address: Harris Corporation

221 Jefferson Ridge Pkwy

Lynchburg, VA 24501

Alternate Contact: Sandy Robbins

srobbi06@harris.com

(434) 385-2814

Alternate Contact: Brian Beatty

bbeatt01@harris.com

(817) 422-2602

Area Sales Manager: Jennine Weber

Service Territory: Washington, Alaska,

Idaho, Montana, and

Wyoming

E-mail: pspc_custfocus@harris.com

Ordering procedures: Call Sales Contact above with Purchase Order

Credit card acceptance: MasterCard, Visa

Delivery time: Approximately 4 to 6 weeks after receipt of required information and contingent upon on backlog at the time of order

Payment terms: 1% 10 days

Shipping destination: Freight on Board (FOB) destination

Freight: Prepaid and included

Category: Category 1, Category 4 - Gateway Devices.

Equipment Line items:

Accessory Equipment: 26% discount off Manufacturer Standard Retail Price (manufactured products and accessories in category "N" or "C" within the Harris RFCD Product and Services Catalog).

Link to bid <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category4.doc>

Specifications: <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category1.zip>

Awarded Phase(s): Phase I & II

The following companies are authorized resellers of Harris radio equipment. They are authorized to accept orders, manage delivery of products and services, and invoice and receive payments under all of the terms and conditions of this contract.

| | | |
|---------------------------|--|--|
| Service Territory: | Washington and Oregon customers | New Hampshire customers |
| Company Name: | Pacific Electronics, Inc. | Wright Communications |
| Address | 1220 Tracey Lane SE Lacey, WA 98503 | 711 Riverwood Drive Pembroke, NH 03275 |
| Contact Person: | Gary Palmer, President | Michael D. Lemieux, Chief Technical Officer and Managing Partner |
| E-mail: | gpalmer@pacele.com | Mike.Lemieux@wright2way.com |
| Phone: | (360) 459-5212 | (603) 228-8148 |
| FAX: | (360) 459-4041 | (603) 225-7369 |

Reference embedded list of Harris Authorized Dealer Network updated December 2012. Contract terms, conditions, products and pricing shall apply to all contract sales and Harris shall continue to report all contract sales, including those made by authorized dealers.



Contract product pricing shall be 26% off Harris branded equipment list (class "N" and "C") for catalog items. Reference the embedded list for product descriptions and to access the Harris MSRP / List Price information, contract customers should register at the following link: <https://premier.pspc.harris.com/infocenter/default.jsp>



CONTRACTOR INFORMATION

Contractor: [Motorola Solutions, Inc.](#)

(Received award for Phase I)

Note: Correspondence must be addressed to Motorola Solutions, Inc., C/O Sales Contact.

Contact: Joe Mann

Phone: [\(425\) 896-2332](#)

Fax: [Fax: 425.896.2301](#)

Email: Joe.Mann@motorolasolutions.com

Internet address: www.motorola.com

Web catalog address: http://www.motorola.com/governmentandenterprise/northamerica/en-us/solution.aspx?navigationpath=id_804i

Federal ID No.: 36-1115800

Supplier No.: W13573

Total Contract worth: \$78,500,000 (estimate based on 2012 sales)

Payment address: Customers in participating states will be requested to remit their payments to the following address:

Motorola, Inc. 13108 Collections Center Drive, Chicago, IL 60693

Payment address: Motorola Solutions, Inc.
PO Box 404059
Atlanta, GA 30384-4059

For Montana

Order placement address: Motorola Solutions, Inc.
18200 NE Union Hill Rd.
Suite 200
Redmond, WA 98052

Customer Service: VACANT

Telephone: 425-896-2356

Fax: 425-896-2301

Ordering procedures:

Credit card acceptance: Visa, MasterCard

Minimum orders:

Delivery time: Please refer to individual category for delivery schedule, which varies by product and category bid.

Payment terms: 0% 30 days

Shipping destination: Freight on Board (FOB) destination

Freight: Prepaid and included

Palletization: N/A

Category:

Equipment Line items:

Link to bid Specifications:

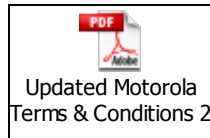
Link to Price Sheets:

Awarded Phase(s): Phase I Only

Effective January 15, 2014, Motorola Solutions has added the following authorized dealer to the contract to provide Motorola products and services to contract customers:

Day Wireless Systems
Contact Person: Mike Ishida – Sales Vice President
Phone: (503) 659-1240
4700 SE International Way
Milwaukie, OR 97222
Website: www.daywireless.com

Updated Glossary Added to Motorola Phase I Award



This Updated Glossary inserted above is incorporated by reference into the WSCA Contract and contains definitions of terms contained therein and will supersede and prevail over any contrary terms or definitions in the contract. The effective date for these updated terms and conditions is March 29, 2009 (Those terms were extended until Oct. 29, 2011). Some of the terms listed below have been updated in the 2009 version of contract terms. Where they conflict, the 2009 terms prevail. All terms that are not updated in the 2009 contract terms are still valid and are concurrently active for contract purchases.

Listed below are the old contract terms (negotiated in 2003). Some of them are still valid and active; some have changed and are present in the 2009 version of contract terms listed above in the PDF document. Please see the WSCA Contract Administrator for questions and clarification on the contract.

Occurrence. An occurrence, as referenced in Section II, Paragraph 38, Limitation of Liability” means only a single sales transaction, including both a purchase of equipment only and a purchase of a system. It does not mean or refer to a claim by a purchaser, end user, or any other entity.

Total Liability. Contractor’s total liability under the contract shall not exceed the following amounts:

1. **FOR SYSTEM PURCHASES.** THE GREATER OF \$10,000,000 OR THE CONTRACT PRICE OF THE SYSTEM.
2. **FOR EQUIPMENT ONLY PURCHASES.** THE LIMITATION OF LIABILITY PROVISION SHALL APPLY NOTWITHSTANDING ANY CONTRARY PROVISION IN THIS AGREEMENT OR ANY ATTACHMENTS, ADDENDUMS, OR EXHIBITS. EXCEPT FOR PERSONAL INJURY OR DEATH, CONTRACTOR’S LIABILITY ARISING FROM THIS CONTRACT WILL BE LIMITED TO THE DIRECT

DAMAGES RECOVERABLE UNDER LAW; AND LIMITED TO A TOTAL OF \$10,000,000 (TEN MILLION DOLLARS) OF LIABILITY WITHIN EACH PARTICIPATING STATE, OR THE TOTAL MOTOROLA WSCA CONTRACT 02702 YEARLY (JAN. TO DEC.) SALES IN THE YEAR IN WHICH THE LIABILITY OCCURRED, WHICHEVER IS GREATER.
EACH STATE WITH WHOM MOTOROLA HAS SIGNED A PARTICIPATING ADDENDUM IS IDENTIFIED AS A PARTICIPATING STATE.

DIRECT DAMAGES. DIRECT DAMAGES, AS REFERENCED IN SECTION II, PARAGRAPH 38, LIMITATION OF LIABILITY MEANS ACTUAL DIRECT DAMAGES INCURRED AND DOES NOT INCLUDE SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

WSCA States. PRICING AND ADJUSTMENTS

Unless otherwise stipulated, all bids must include unit prices and extensions where applicable and be otherwise in the format requested. This will be the baseline pricing to determine offerors score and baseline price level. The State of Washington and participating WSCA states are also looking for additional volume based pricing for consideration. The volume discount program offered will be evaluated using price breaks identified in the Price Sheets per category. If no price break are given by a Proposer(s), then the highest discount rate offer by the Proposer(s), will be used to compare that proposal with Proposer's that offer a volume discount program.

All bid pricing is to be FOB Destination, freight prepaid and included, for any destination within the State of Washington and participating WSCA states, unless stipulated differently in the Communication Equipment Category specification and price sheet section.

Pricing shall remain firm and fixed for the initial 12-months of the contract, unless defined and approved in a Participating Addendum

Adjustments in pricing will be considered after firm fixed price period on a pass through basis only. A minimum of 60 calendar days advance written notice of price increase is required which is to be accompanied by sufficient documentation to justify the requested increase. Documentation must be based on United States published indices such as the Producer Price Index. Acceptance will be at the discretion of the State Procurement Officer and shall not produce a higher profit margin than that established on the original contract pricing. Approved price adjustments shall remain unchanged for at least 365 calendar days thereafter.

During the term of this contract, should the contractor enter into pricing agreements with other customers providing greater benefits or lower pricing, contractor shall immediately amend the state contract to provide similar pricing to the state if the contract with other customers offers similar usage quantities, and similar conditions impacting pricing. Contractor shall immediately notify the state of any such contracts entered into by contractor. When the state is comparing different lower contract pricing the management fee will be deducted from the WSCA contract.

This provision applies only within WSCA PARTICIPATING STATES (as defined in this document, above) and shall not apply to existing contracts, system packages, or one time equipment purchases, services, or international sales. For purposes of this section, the definition of 'customers' shall not include Contractor's dealers, distributors and resellers, or sales to federal government.

TECHNICAL ADVANCES/UPGRADES

During the service life of the equipment, the contractor agrees to install, at no additional cost to the end user, all manufacturers' required retrofit upgrades within 90 days of the date the upgrade is introduced by the manufacturer. Required retrofits are all retrofits that are required to keep the equipment operating and

functioning as intended at the time of purchase. *“Service Life” as used in this section shall be five years from final inspection and acceptance by the purchaser. This does not including periodic software releases which are intended to offer new features or enhancements not available at the time of original purchase.*

NEW SYSTEM SOFTWARE AND FIRMWARE UPDATE

Provide Required Firmware, Software updates at no cost for 5 years after last unit being purchased from this RFP. . Required firmware and software updates are all updates that are required to keep the equipment operating and functioning as intended at the time of purchase. *Manufacturers are not responsible for update installation costs. Proposer’s shall submit a copy of their software licensing agreement with their proposal. This does not including periodic software releases which are intended to offer new features or enhancements not available at the time of original purchase.*

SOFTWARE LICENSE:

Customer and any Purchasing Entity or End User purchasing from this Agreement hereby accept and agree to abide by all of the terms and restrictions of the Motorola Software License Agreement attached to Motorola’s bid and incorporated into this agreement, when purchasing or using any Motorola Software or firmware. Any Non-Motorola Software and Open Source Software is licensed to Customer in accordance with the standard license, terms, and restrictions of the copyright owner on the Effective Date.

SYSTEM SALES:

If a Purchasing Entity intends to purchase a system using pricing from the WSCA contract, Motorola will prepare a proposal that includes the technical, contractual, and implementation documents that are appropriate for that system. Any system sale will be subject to the specifications of the technical and implementation documents and to the terms of the communications system agreement and its exhibits or other applicable contract documents.

SUPPORT SERVICES, MAINTENANCE SERVICES, AND PROFESSIONAL SERVICES:

If a Purchasing Entity intends to purchase services from Motorola, the sale of services will be subject to the terms of the appropriate Motorola maintenance, professional services, or other standard agreement appropriate to the type of services being sold, together with the technical and implementation exhibits applicable to the services.

WARRANTY(IES)

Proposer(s) will submit a copy of every warranty as an attachment to bid and items delivered under this contract will also be accompanied by a copy of the applicable warranties. Unless otherwise specified, the full parts and labor warranty period shall be for a minimum period of one (1) year after receipt and acceptance of materials or equipment by the Purchaser. *All warranties supplied by the manufacturer shall be consistent with the provisions of the UCC, chapter 62A RCW unless otherwise specified in part 3, equipment Specifications.* All materials or equipment provided shall be new, or refurbished and manufacturer certified, of the latest model or design and of recent manufacture. All tower parts must be new and of the latest design.

Successful contractor(s) shall provide product support (*required to keep equipment operating and functioning as intended at the time of purchase*) for 7-5 years after last unit being purchased from this RFP.

CONTRACTOR DISCLAIMS ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

In the event of conflict between contract terms and conditions and any warranty submitted by the contractor, to afford the state maximum benefits, the contract terms and conditions shall prevail.

WSCA and Motorola agree as follows:

Section 9 of Part III, "Special Terms and Conditions," of WSCA RFP No. 02702 is amended by inserting the words "parts, or accessories" in the second-to-last sentence of the section. As amended the sentence now reads:

This provision applies only within WSCA Participating States (as defined in the document above) and shall not apply to existing contracts, system packages, one time equipment purchases, services, international sales, parts, or accessories.

Contract users may purchase accessories for any listed Motorola radio subscriber unit. Available accessories are listed on the Motorola Electronic Catalog pages associated with each subscriber unit that is available through the contract.

If accessories listed on the Electronic Catalog pages are purchased at the time of purchase of a radio unit, the discount level associated with the radio will apply to the purchased accessories.

If accessories are purchased on a stand-alone basis from the Electronic Catalog pages available on the contract, a 20% discount shall apply to any accessory purchase.

Amendments Effective July 1, 2006:

Effective July 1, 2006, Motorola has reduced the prices on all applicable products available through the WSCA Contract by three percent (3%). This price reduction is reflected in the WSCA RFP DISCOUNT MATRIX dated July 1, 2006, attached below and in the list of Representative Radio Models, attached below. No further volume discounts shall apply to Motorola products available on the WSCA Public Safety Radio Contract. Any reference to "volume discount" or "cumulative discount" is struck.

When calculating the price of a product purchased through the WSCA contract, Motorola and WSCA contract users shall use Motorola's then-current price book and apply the discount level indicated in the WSCA RFP DISCOUNT MATRIX dated July 1, 2006, which is attached below. In order to conform with the parties' intent to replace the pricing quoted by Motorola in its 2003 RFP 02802 response and ensuing contract with Motorola's current pricing, which shall be updated at least annually, any reference in WSCA RFP or Contract 02702, as amended, to the pricing quoted by Motorola in its 2003 RFP Response shall be replaced with an appropriate reference to Motorola's current price list.

Effective, July 1, 2006, the general WSCA administrative fee for purchases made from the WSCA Public Safety Radio Contract shall be lowered from one and one-half percent (1.5%) to one-half percent (.5%). Administrative fees charged by Participating States shall not be affected by this reduction. The total administrative fee charged by the State of Washington shall be one and one-half percent (1.5%), which includes both the WSCA administrative fee and the State of Washington administrative fee.

MOTOROLA WESTERN DIVISION SALES OFFICES

| | | |
|--|---|---|
| WA08 – Redmond, WA 18200 NE Union Hill Rd. Suite 200 Redmond, WA 98052 425-896-2340 fax 425 896-2302 | OR02 - Lake Oswego, OR 4900 S.W. Meadows Rd, #475 Lake Oswego, OR 97035 No main phone number. fax 503 697-4670 | AZ43 - Phoenix, AZ 2900 South Diablo Wy. Tempe, AZ 85282 602 271-7500 fax 602 438-1608 |
| CA25 - San Diego, CA (Div HQ) 6420 Sequence Drive San Diego, CA 92121 800 445-3620 toll-free 858 578-2222 direct | CO01 - Engelwood, CO 9800 Mount Pyramid Ct. Suite 200 Englewood, CO 80112 303 689-2800 fax 303 689-2900 | TX48 Dallas, TX 2410 Luna Road, Ste 132 Carrollton, TX 75006 972 277-4600 or 800 635-0200 fax 972 277-4611 |
| TX09 - Houston, TX 1140 Cypress Station Suite 300 Houston, TX 77090 281 537-3600 fax 281 537-3617 | TX32 - Austin, TX 7700 W. Parmer Lane Bldg., B-PL34 Austin, TX 78729 512 996-6974 | CA08 - Los Angeles, CA 312 E. 1st. Street, Suite 520 Los Angeles, CA 90012 No main phone number. fax 213 628-2470 |
| CA18 - Van Nuys, CA 7720 Sepulveda Blvd., Suite B Van Nuys, CA 92450 818 786-1092 fax 818 786-1294 | CA78 - Motorola FSO California 10061 Riverside Dr., PMB 1046 Toluca Lake, CA 91602 818 843-3068 fax (same as above) | CA36 - Irvine, CA 1900 Main Street, Suite 300 Irvine, CA 92614 949 399-4000 fax 949 437-4240 |
| CA57 - Irvine, CA (warehouse) 17835 Skypark Circle, Suite C Irvine, CA 92614 949 442-1644 fax 949 474-0196 | NM01 - Albuquerque, NM 2501 San Pedro N.E., Suite 202 Albuquerque, NM 87110 505 875-1999 fax 505 875-1888 | CA69 - Mountain View, CA 805 E. Middlefield Rd Mountain View, CA 94043 650 318-3200 fax 650-318-3310 |
| Las Vegas, Nevada PO Box 98098 Las Vegas, Nevada 89193 775-853-7862 fax 775-853-0924 | CA67 - Los Angeles, CA 725 S Figueroa Ave, Suite 1870 Los Angeles, CA 90017 213 362-6726 fax 213 627-3379 | Shawnee, OK 2309 Troon Circle Shawnee, OK 74801 405-395-9448 fax 405-878-6841 |
| Layton, Utah PMB#194 2146 North Main Street, Suite 530 Layton, Utah 84051 801-571-7649 fax 801-571-7258 | Billings, Montana 4603 Alkali Creek Road Billings, MT 59106 406-245-3309 fax 406-245-1567 | Anchorage, Alaska PO Box 230882 Anchorage, AK 99532 907-261-5170 fax 907-346-4303 |
| Boise, Idaho 11548 W. Rader Dr. Boise, ID 83713 208-377-2080 fax 208-377-2085 | | |

The previous use of a second and third discount column (which previously showed a lower price discounts for the states of: Oregon, Colorado, Utah, Oklahoma, Kansas and New Mexico) was discontinued and all customer orders regardless of customer's location will use the single price discount column shown below.

DISCOUNTS ON PHASE ONE PRODUCTS & SERVICES

| MOTOROLA - WSCA DISCOUNT MATRIX (Revised 01/01/13) | |
|---|------------|
| RADIO MODEL SERIES (REFER TO MANUF. PRICE PAGES): | DISCOUNT % |
| P25 DIGITAL MOBILE/DESKTOP/CONSOLETTES RADIOS: | |
| *APX7500/6500 MOBILE | 25% |
| XTL5000 MOBILE | 21.5% |
| XTL5000 HIGH PERFORMANCE MOBILE DATA MODEMS | 10% |
| XTL2500 MOBILE | 21.5% |
| XTL1500 MOBILE | 21.5% |
| *MOTOTRBO MOBILE | 12% |
| P25 DIGITAL PORTABLE RADIOS: | |
| *APX7000/7000XE/6000 PORTABLES | 25% |
| ASTRO XTS5000 | 21.5% |
| ASTRO XTS2500 | 26.5% |
| ASTRO XTS1500 | 18% |
| PDR3500 PORTABLE REPEATER | 8.5% |
| *MOTOTRBO PORTABLES | 12% |
| ANALOG MOBILE/DESKTOP RADIOS: | |
| PM1500 (P25 UPGRADEABLE) | 30% |
| CDM SERIES (750, 1250, 1550, 1550LS+) | 28% |
| CM200, CM300 | 15% |
| PM400 | 15% |
| ANALOG PORTABLE RADIOS: | |
| HT1250, HT1250LS+, HT1550XLS | 35% |
| HT750 | 35% |
| EX500, EX600XLS | 20% |
| CP100, CP150, CP200 | 20% |
| MT1500 (P25 UPGRADEABLE) | 23% |
| PR1500 (P25 UPGRADEABLE) | 30% |
| PR860 | 20% |
| PR400 | 15% |
| INFRASTRUCTURE / FIXED EQUIPMENT / OTHER: | |
| *MOTOTRBO BASE/REPEATER STATIONS | 12% |
| *GTR8000 BASE/REPEATER STATIONS | 18% |
| DIGITAL VEHICULAR REPEATER (DVR) VHF/UHF/700/800 BAND | 10% |
| QUANTAR BASE/REPEATER STATIONS | 23% |
| MTR3000 BASE/REPEATER STATIONS | 30% |
| DIU-3000 DIGITAL INTERFACE UNITS | 15% |

| MOTOROLA - WSCA DISCOUNT MATRIX (Revised 01/01/13) | |
|---|-----------------|
| RADIO MODEL SERIES (REFER TO MANUF. PRICE PAGES): | DISCOUNT % |
| ASTRO-TAC 3000 VOTING SYSTEM | 15% |
| SPECTRA-TAC VOTING SYSTEM | 15% |
| QUANTAR VOTING RECEIVERS | 15% |
| GOLD ELITE CONSOLES (Gateway) | 18.5% |
| TRUNKED CONTROLLERS (Gateway) | 18.5% |
| Trident PassPort Trunking Infrastructure | 18.5% |
| Trident LTR Trunking Infrastructure | 18.5% |
| MOTOBIDGE (Gateway) | 10% |
| STR3000 SIMULCAST / DATA BASE STATIONS | 15% |
| MCC5500 / MCC7500 CONSOLES | 15% |
| CANOPY | 15% |
| PTP / POINT TO POINT WIRELESS BROADBAND NETWORK | 15% |
| POWERLINE MU / IN BUILDING BROADBAND DISTRIBUTION | 15% |
| HOTZONE DUO | 15% |
| RAD / MULTIPLEXERS | 10% |
| EWLAN INFR & ACCESS POINTS | 40% |
| MCC1000/2000/2500, COMMAND STAR LITE CONSOLES | 10% |
| MC3000 DIGITAL DESKTOP CONSOLES | 10% |
| MINITOR RECEIVERS | 35% |
| STANDALONE ACCESSORIES ORDERED WITHOUT RADIOS | 20% |
| Asset Management Software & Services | 20% |
| Support Services | \$168.75 per hr |
| Installation Services | \$168.75 per hr |
| Repair Services | \$168.75/hr |
| Most services, such as engineering, program management, training, etc., are usually sold on a per man day basis, rather than an hourly basis, the daily rate is \$1,350. per Man Day (8 hours). | |

Last amended 01/01/13

*Indicates new products added to this contract effective 4/30/10.

Excluding the state of Washington, the above discounts apply to states with purchasing fees not exceeding one percent (1%).

Upon request and at no charge Motorola will provide contract customers a copy of the manufacturer's reference product price list to determine net contract price(s) after application of above discount.

MOTOROLA REPRESENTATIVE WSCA CONTRACT RADIO MODELS

The following Motorola radio models are representative examples of the radios available on the WSCA contract. Contract users are requested to contact Motorola for other versions & frequency bands of each series of radio model. The WSCA RFP required Manufacturer price pages for the complete line of Motorola radios available on the WSCA contract are on file with WSCA Purchasing. The representative prices listed will be higher in states that charge an administrative fee.

The list of Motorola products previously provided below has been discontinued because they were out-of-date and were last updated 10/20/06. Contact Motorola directly for information on current models.

CONTRACTOR INFORMATION

Category 7 Microwave Antennas, Waveguide & Associated Hardware

Contractor: **Radio Frequency Systems, Inc.**

(Received award for Phase I and Phase II)

Contact: Matthew Gauvin

Alternate Contact:

Terri Doherty

Contract Manager

Phone: 203-630-3311 x1612

203-630-3311 x1220

Fax: 203-634-2017

203-634-2154

Email: matt.gauvin@rfsworld.com

terri.doherty@rfsworld.com

200 Pondview Drive

Meriden, Connecticut 06450

Internet address: <http://www.rfsworld.com/>

200 Pondview Drive

Web catalog address:

Meriden, CT 06450

Federal ID No.: 13-3379797

Supplier No.: W3302

Total Contract worth: \$550,000 (estimate based on 2012 sales)

Payment address: JP Morgan Chase

Order placement

Radio Frequency Systems,
Inc.

PO Box 731067

address:

M/F: Radio Frequency Systems

200 Pondview Drive,

Dallas, TX 75373-1067

Meriden, CT 06450

Customer Service/Order Christopher Collins

Placement:

Customer Service: Christopher Collins and see below by state

Telephone: 203-630-3311 ext. 1206

Fax: 203-634-2180

Ordering procedures: Contact Customer Service/Order Placement/

Credit card acceptance: Visa, Master Card, American Express

Minimum orders: None

Delivery time: 30 days After Receipt of Order (ARO)

Payment terms: 0% 30 days

Shipping destination: Freight on Board (FOB) destination

Freight: Prepaid and included

Palletization: N/A

Category: 7

Equipment Line items: See Price Sheets and note surcharge below. If comparing contract pricing please note if contractor includes surcharges that apply throughout the industry.

Link to bid Specifications: <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category7.doc>

Link to Price Sheets:

Awarded Phase(s): Phase I & II

Additional Distributors: HUTTON COMMUNICATIONS

TESSCO

TALLEY, INC.

INFINITY TECHNOLOGY DISTRIBUTORS AND CONSULTING
SERVICES, LLC INC.

REPAIR FACILITIES

In the event that an item should need repair, the Sales Administrator will provide the customer with a Return Material Authorization (RMA) number. The sales administrator then records all pertinent information into RFS' database and advises the customer of the correct location to which the material must be shipped. Note that the RMA number must be clearly marked on the outside of the shipping container.

When the material arrives at the designated location, the receiving department updates the system showing the return as "Received". The material is then forwarded for evaluation. After the evaluation is complete, the database is again updated. Computer generated reports are issued on a daily basis to advise sales of the status of all returns.

Once sales has received the evaluation, a course of action takes place based on the reason for the return and the quality assurance evaluation. The customer is then notified and the item is either repaired or replaced. All repairs are made by RFS employees at RFS facilities.

All returns should be sent to the following locations:

All Products

Radio Frequency Systems, Inc
175 Corporate Court
Meriden, CT 06450

CONTACTS AND PHONE NUMBERS (Revised)

| STATE | CONTACT NAME | PHONE NUMBER |
|--------------|---------------------|-----------------------|
| Alaska | Christopher Collins | 203-630-3311 ext 1206 |
| Arizona | Christopher Collins | 203-630-3311 ext 1206 |
| California | Christopher Collins | 203-630-3311 ext 1206 |
| Colorado | Christopher Collins | 203-630-3311 ext 1206 |
| Georgia | Judy Zawadzki | 203-630-3311 ext 1216 |
| Hawaii | Christopher Collins | 203-630-3311 ext 1206 |
| Idaho | Christopher Collins | 203-630-3311 ext 1206 |
| Minnesota | Carrie Lenkart | 203-630-3311 ext 1159 |
| Montana | Christopher Collins | 203-630-3311 ext 1206 |
| Nevada | Christopher Collins | 203-630-3311 ext 1206 |
| New Mexico | Christopher Collins | 203-630-3311 ext 1206 |
| Oklahoma | David Mason | 203-630-3311 ext 1217 |
| Oregon | Christopher Collins | 203-630-3311 ext 1206 |
| South Dakota | Carrie Lenkart | 203-630-3311 ext 1159 |
| Utah | Christopher Collins | 203-630-3311 ext 1206 |
| Washington | Christopher Collins | 203-630-3311 ext 1206 |
| Wyoming | Christopher Collins | 203-630-3311 ext 1206 |

AUTHORIZED DISTRIBUTORS

| HUTTON COMMUNICATIONS | | | |
|--|--|--|--|
| Main Contact (inside): Stephanie Thompson (717) 841-5883 stephanie@huttoncom.com | | Secondary Contact: Sharon McDonald (866) 397-3357 mcdonalds@huttoncom.com | |
| | | Customer Service MGR: Government Sales Team VIP line: (866) 241-1792 government@huttoncom.com | |
| Payment address: Hutton Communications P.O. Box 201439 Dallas, TX 75320 | | Order placement address: Hutton Communications 2520 Marsh Lane Carrollton, TX 75006 Order placement fax: (815) - 744-6066 | |
| | | Internet address: http://www.hol4g.com | |
| TESSCO | | | |
| Main Contact: | Glenn Frame | Secondary Contact: | John Hunt |
| Address: | 11126 McCormick Road Hunt Valley, MD 21031 | Address: | 4775 Aircenter Cr. Reno, NV 89502 |
| Phone Numbers: | 410-229-1344 | Phone Numbers: Fax: | 1 -888 821 0591 1 775-689 5557 |
| Email: | frame@tessco.com | Email: | huntj@tessco.com |
| TALLEY INC. | | | |
| Main Contact (inside): Scott Thompson (206) 355-6017 sthompson@talleycom.com | | Secondary Contact: Sue Farley (800) 949-7079 x 1501 sfarley@talleycom.com | |
| | | Customer Service MGR: Angela Burmeister (800) 949-7079 x 1046 | |
| Payment address: Talley Inc. P.O.Box 511390 Los Angeles, CA 90051-7945 | | Order placement address: Talley Inc. Attn: Scott Thompson 12976 Sandoval Street Santa Fe Springs, CA 90670 | |
| | | Internet address: http://www.talleycom.com | |
| INFINITY TECHNOLOGY DISTRIBUTORS AND CONSULTING SERVICES, LLC INC. | | | |
| Main Contact (inside): 877.593.8822 opt 1 rschneible@infinitytdc.com | | Secondary Contact: 877.593.8822 opt 2 tpope@infintiytdc.com | |
| | | Customer Service MGR: Ray Schneible rschneible@infintiytdc.com 877-593-8822 opt 1 | |
| Payment address: P.O. Box 741073 Atlanta, GA 30384-1073 | | Order placement address: 234 Overhill Dr Mooresville, NC 28117 | |
| | | Internet address: www.infinitytdc.com | |

CATEGORY 7 PRICE SHEETS

| | |
|-------------------------|---|
| Contractor | Category 7 Waveguides and Antennas |
| Radio Frequency Systems | http://www.ga.wa.gov/pca/bids/02702-Phase2-Category7.doc |

ANTENNAS

The specifications listed herein are minimum requirements; a range variance of up to a maximum of .9DB has been identified as acceptable.

- A. Welded Grid Antenna. 928-960 MHz. Type "N" Female input connector. – OBSOLETE – NO REPLACEMENTS, RFS NO LONGER SELLS GRID ANTENNAS
 - B. Solid Parabolic Reflector Standard Antenna, 928-960 MHz, 7/8" EIA Flange or Type "N" Female Input Connector OBSOLETE – NO REPLACEMENTS, RFS NO LONGER SELLS GRID ANTENNAS
 - C. Welded Grid Antenna 2.1-2.2 GHz, 7/8" EIA Flange or Type "N" Female Input Connector. "AIR DIELECTRIC FEED" – OBSOLETE – NO REPLACEMENTS, RFS NO LONGER SELLS GRID ANTENNAS
 - D. Welded Grid Antenna 2.1-2.2 GHz, 7/8" EIA Flange or Type "N" Female Input Connector. "FOAM FEED"
- NOTE: NON PRESSURIZED FEEDS ARE NOT AVAILABLE. SEE ABOVE – RFS NO LONGER SELLS GRID ANTENNAS.**
- E. Solid Parabolic Standard Antenna 2.1-2.2 GHz, 7/8" EIA Type "N" Female Input Connector. OBSOLETE – NO REPLACEMENTS

Due to very low sales volumes for some items, specific pricing can only be determined at the time of customer inquiry.

F. Solid Parabolic Standard Antenna 6.425-7.125 GHz, CPR 137G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS Model # | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|-------------|--------------------------|
| 4.0 | 35.9 | 36.4 | 36.8 | - | 2.5 | 30 | 43 | 1.08 | SB4-W60AC | \$1,462.80 |
| 6.0 | 39.4 | 39.9 | 40.3 | - | 1.7 | 30 | 47 | 1.06 | PAD6-65BC1S | Pricing on request |

G. Solid Parabolic Dual Polarized Standard Antenna 6.425-7.125 GHz, CPR 137G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|--------------|--------------------------|
| 6.0 | 39.2 | 39.7 | 40.1 | B | 1.7 | 30 | 47 | 1.06 | SUX6-65BC | Obsolete |
| 8.0 | 41.4 | 41.9 | 42.3 | A | 1.2 | 30 | 59 | 1.06 | PADX8-W57AC | Pricing on request |
| 10.0 | 43.5 | 43.9 | 44.4 | A | 1.0 | 30 | 52 | 1.06 | PADX10-W57AC | Pricing on request |
| 12.0 | 45.1 | 45.6 | 46.0 | A | 0.8 | 30 | 71 | 1.06 | DAX12-65AC | \$9,649.20 |

H. Single Polarized Antenna, 6.425-7.125 GHz, CPR 137G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|------------|--------------------------|
| 6.0 | 39.4 | 39.8 | 40.2 | B | 1.7 | 30 | 64 | 1.06 | DA6-65BC1S | \$1,784.40 |

I. Dual Polarized Antenna, 6.425-7.125 GHz, CPR 137G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|------------|--------------------------|
| 6.0 | 3.91 | 39.5 | 39.9 | A | 1.7 | 30 | 64 | 1.07 | SBX6-W60BC | \$3,330.00 |
| | 39.2 | 39.7 | 40.1 | B | 1.7 | 30 | 47 | 1.06 | SBX6-W65BC | \$3,330.00 |
| 10.0 | 43.6 | 44.0 | 44.4 | A | 1.0 | 34 | 70 | 1.06 | DAX10-65AC | \$6,115.82 |

J. Single Polarized Parabolic Antenna, 10.7-11.7 GHz, CPR 90G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|--------------|--------------------------|
| 4.0 | 40.1 | 40.5 | 40.9 | B | 1.6 | 30 | 62 | 1.08 | SU4-107BC | \$1,696.00 |
| 6.0 | 43.5 | 43.9 | 44.3 | B | 1.0 | 30 | 60 | 1.06 | PAD6-107BC1S | \$1,784.40 |

K. Dual Polarized Parabolic Antenna, 10.7-11.7 GHz, CPR 90G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|---------------|--------------------------|
| 4.0 | 40.0 | 40.4 | 40.8 | A | 1.5 | 30 | 64 | 1.1 | SUX4-107BC | \$2,432.70 |
| 6.0 | 43.4 | 43.8 | 44.2 | A | 1.0 | 30 | 60 | 1.08 | PADX6-107BC1S | \$2,959.20 |

L. Single Polarized Parabolic Antenna, 10.7-11.7 GHz, CPR 90G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|-----------|--------------------------|
| 4.0 | 40.1 | 40.5 | 40.9 | A | 1.6 | 30 | 62 | 1.08 | SU4-107BC | \$1,696.00 |
| 6.0 | 43.7 | 44.0 | 44.5 | A | 1.0 | 30 | 70 | 1.06 | SU6-107BC | \$2,555.00 |

M. Dual Polarized Parabolic Antenna, 10.7-11.7 GHz, CPR 90G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|------------|--------------------------|
| 4.0 | 40.0 | 40.4 | 40.8 | A | 1.5 | 30 | 64 | 1.10 | SUX4-107BC | \$2,432.70 |
| 6.0 | 43.5 | 43.8 | 44.3 | A | 1.0 | 30 | 68 | 1.08 | SUX6-107BC | \$3,370.75 |

N. Single Polarized Parabolic Antenna, 17.7-19.7 GHz, UG-595/U Input Flange – Not available (obsolete)

O. Single Polarized Parabolic Antenna, 21.2-23.6 GHz, UG-595/U Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|---------|--------------------------|
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|---------|--------------------------|

| | | | | | | | | | | |
|-----|------|------|------|---|-----|----|----|------|-----------|--------------------|
| 2.0 | 39.6 | 40.1 | 40.6 | A | 1.6 | 32 | 66 | 1.20 | SC2-220AB | \$443.52 |
| 4.0 | 45.6 | 46.1 | 46.6 | A | 0.8 | 32 | 72 | 1.20 | SB4-220BB | Pricing on request |
| | 45.8 | 46.3 | 46.8 | A | 0.8 | 32 | 58 | 1.20 | SB4-220BB | |
| 6.0 | 49.0 | 49.5 | 50.0 | A | 0.5 | 32 | 75 | 1.15 | SB6-220AB | Pricing on request |

HIGH Performance and Ultra High Performance

A. High Performance, 6.425-7.125 GHz, Single Polarization, CPR 137G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|----------|--------------------------|
| 6.0 | 39.4 | 39.8 | 40.2 | A | 1.7 | 30 | 64 | 1.06 | SU6-65BC | Obsolete |

B. High Performance, 6.425-7.125 GHz, Dual Polarization, CPR 137G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|-----------|--------------------------|
| 6.0 | 39.2 | 39.7 | 40.1 | A | 1.7 | 30 | 64 | 1.06 | SUX6-65BC | Obsolete |

C. High Performance, 6.425-7.125 GHz, Dual Polarization, Super Cross Polarization CPR 137G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|--------------|--------------------------|
| 6 | 39.2 | 39.7 | 40.1 | A | 1.7 | 40 | 69 | 1.08 | UXA6-65BC1S1 | Pricing on request |

D. Ultra High Performance, 6.425-7.125 GHz, Dual Polarization, CPR 137G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|--------------|--------------------------|
| 6 | 39.2 | 39.7 | 40.1 | A | 1.7 | 30 | 69 | 1.08 | UXA6-65BC1S1 | Pricing on request |
| 8 | 41.8 | 42.2 | 42.7 | A | 1.3 | 30 | 71 | 1.06 | UXA8-65AC1S1 | \$5,821.20 |
| 10 | 43.5 | 43.9 | 44.4 | A | 1.0 | 30 | 73 | 1.06 | UXA10-65AC | \$7,056.72 |
| 12 | 45.1 | 45.6 | 46.0 | A | 0.8 | 30 | 75 | 1.06 | UXA12-65AC | \$9,615.672 |

E. High Performance, 10.7-11.7 GHz, Single Polarization, CPR 90G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | VSWR | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------|-----------|--------------------------|
| 6 | 43.7 | 44.0 | 44.5 | A | 1.0 | 30 | 70 | 1.06 | SU6-107BC | \$2,555.00 |

F. High Performance, 10.7-11.7 GHz, Dual Polarization, CPR 90G Input Flange

| Diameter | Gain-DB | Gain-DB | Gain-DB | FCC | Beam | Cross Pol | F/B | VSWR | RFS | PRICE EACH |
|----------|---------|---------|---------|-----|------|-----------|-----|------|-----|------------|
|----------|---------|---------|---------|-----|------|-----------|-----|------|-----|------------|

| in Feet | Bottom | Mid Band | Top | Category | Width °s | Disc. DB | Ratio DB | | P/N | Eff. 01/16/14 |
|---------|--------|----------|------|----------|----------|----------|----------|------|------------|---------------|
| 6 | 43.5 | 43.8 | 44.3 | A | 1.0 | 30 | 68 | 1.06 | SUX6-107BC | \$3,370.75 |

G. High Performance, 10.7-11.7 GHz, Dual Polarization, Super High Cross Polarization CPR 90G Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------------|--------------------------|
| 4 | 40.0 | 40.4 | 40.3 | A | 1.5 | 40 | 70 | UXA4-107BC | \$3,096.00 |
| 6 | 43.5 | 43.8 | 44.3 | A | 1.1 | 40 | 73 | UXA6-107BC | \$4,914.24 |

H. Ultra High Performance, 10.7-11.7 GHz Dual Polarization, CPR90G

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|-------------|--------------------------|
| 4 | 40.0 | 40.4 | 40.8 | A | 1.5 | 40 | 70 | UXA4-107BC | \$3,096.00 |
| 6 | 43.5 | 43.8 | 44.3 | A | 1.1 | 40 | 73 | UXA6-107BC | \$4,914.24 |
| 8 | 45.9 | 46.2 | 46.7 | A | 0.8 | 30 | 75 | UXA8-107AC | \$5,821.20 |
| 10 | 47.8 | 48.2 | 48.4 | A | 0.7 | 30 | 77 | UXA10-107AC | \$7,056.72 |
| 12 | 49.2 | 49.6 | 49.9 | A | 0.5 | 30 | 78 | UXA12-107AC | Pricing on request |

I. High Performance, 17.7-19.7 GHz, Singal Polarization, UG595/U Input Flange – Not Availble (obsolete)

J. High Performance, 17.7-19.7 GHz, Super, Dual Polarization, UG595/U Input Flange

| Diameter in Feet | Gain-DB Bottom | Gain-DB Mid Band | Gain-DB Top | FCC Category | Beam Width °s | Cross Pol Disc. DB | F/B Ratio DB | RFS P/N | PRICE EACH Eff. 01/16/14 |
|------------------|----------------|------------------|-------------|--------------|---------------|--------------------|--------------|------------|--------------------------|
| 1 | 32.7 | 33.3 | 33.8 | - | 3.4 | 30 | 55 | SBX1-190BB | \$576.00 |
| 2 | 37.8 | 38.3 | 38.7 | A | 1.9 | 36 | 66 | UXA2-190CB | \$1,185.60 |
| 6 | 47.5 | 48.0 | 48.4 | A | 0.7 | 36 | 76 | UXA6-190BB | Pricing on request |

Radomes PRICING

| Radome Type | Diameter in Feet | Attenuation 2 GHz | Attenuation 6 GHz | Attenuation 11 GHz | Attenuation 18 GHz | RFS P/N | PRICE EACH Eff. 01/16/14 |
|-------------|------------------|-------------------|-------------------|--------------------|--------------------|-------------------------------|--------------------------|
| Standard | 2.0 | 0.10 dB | 0.30dB | .9dB | 2.0db | 311236-003 | \$184.80 |
| Standard | 4.0 | 0.10 dB | 0.30dB | 1.0dB | 2.0db | 310770-003 | \$285.60 |
| Standard | 6.0 | 0.10 dB | 0.40dB | 1.0dB | 2.1db | 310771-003 (Standard 6 ft) | \$393.60 |

| | | | | | | | |
|----------|------|---------|--------|-------|----|---------------------------------|----------|
| | | | | | | 311793-003 (PAD deep series) | \$484.80 |
| Standard | 8.0 | 0.10 dB | 0.50dB | 1.1dB | -- | 310772-003 | \$621.60 |
| Standard | 10.0 | 0.20dB | 0.80dB | 1.5dB | -- | 310773-003 | \$912.00 |

Transmission Line PRICING

Transmission line or COAXIAL cable will be will be available according to the sizes listed below:

| SIZE | DESCRIPTION | PRICE per foot Eff. 01/16/14 |
|-----------------------------------|--|------------------------------|
| (LCF12-50J) OBSOLETE | | |
| ½” LCF12-50J-P7 - REPLACEMENT | ½” Diameter Foam Dielectric Coaxial Cable | \$.95 |
| (LCF78-50J) OBSOLETE | | |
| 7/8” LCF78-50JA-P7 - REPLACEMENT | 7/8” Diameter Foam Dielectric Coaxial Cable | \$2.11 |
| (LCF114-50J) OBSOLETE | | |
| 1 ¼” UCF114-50JA-P7 - REPLACEMENT | 1 ¼” Diameter Foam Dielectric Coaxial Cable | \$4.10 |
| (S-FLC14-50J) OBSOLETE | | |
| SCF14-50J – REPLACEMENT | ¼” Diameter Super Flexible Foam Dielectric Coaxial Cable | \$.98 |
| (S-FLC12-50J) OBSOLETE | | |
| SCF12-50J-P7 - REPLACEMENT | ½” Diameter Super Flexible Foam Dielectric Coaxial Cable | \$1.34 |

Connectors PRICING

Connectors for Foam Dielectric Coaxial Cables

[illegible]

| | | | | | | | | | | | |
|--|---------|--|---------|--|---------|--|----------|--|---------|--|---------|
| (738804) | | | | | | | | | | | |
| 7/16 DIN Male #716M- LCF12-D01 (155654700) | \$14.46 | 7/16 DIN Male 716M- LCF78- D01K (15570523) | \$22.09 | 7/16 DIN Male #716M- LCF114- D01K (15585455) | \$69.02 | 7/16 DIN Male 716M- LCF158- D01K (15575455) | \$83.34 | 7/16 DIN Male 716M- LCF14-D01 (15500470) | \$17.15 | 7/16 DIN Male 716F-SCF- 12-D01 (15560451) | \$17.60 |
| 7/16 DIN Female 716M- LCF12-D01 (15565451) | \$14.46 | 7/16 DIN Female (716F- LCF78- D01K (15570555) | \$22.09 | 7/16 DIN Female 716F- LCF114- D01K (15585555) | \$69.02 | 7/16 DIN Female 716F- LCF158- D01K (15575555) | \$83.34 | 7/16 DIN Female (Dis- continued) | | DIN Male Right Angle 716MR- SCF12-D01 (15560453) | \$20.79 |
| 7/8" EIA | \$41.02 | 7/8" EIA | \$42.42 | 7/8" EIA | \$84.70 | 7/8" EIA | \$121.28 | | | | |

7/8" Connectors for Air Dielectric

| TYPE | PRICE EACH |
|-----------------------|------------|
| NM-HCA78-001 (738225) | \$75.24 |

Spread Spectrum

A. Welded Grid Antenna. 2300-2500 MHz "Spread Spectrum" Type "N" Female Input connector or 7/8" EIA Flange OBSOLETE – RFS NO LONGER SELLS GRID ANTENNAS

ACCESSORY PRICE DISCOUNTS ARE NO LONGER APPLICABLE AS RFS NO LONGER USES LIST PRICES.

Note: All pricing is FOB Destination with full standard surface freight allowed.

Per Section 32.a. of the RFP, Radio Frequency Systems is also offering a contractual project discount of three percent (3%) off the total value for any single purchase order or combination of purchase orders over \$100,000, submitted at one time by a purchasing entity, or multiple entities, conducting a cooperative purchase for delivery.

CONTRACTOR INFORMATION

Contractor: **RELM Wireless Corporation (King)**

(Received award for Phase I)

Contact: Shari Sharp Alternate: Susana Brown

Phone: 321-953-7952 (800) 821-2900

Fax: 321-676-4403 800-704-3177

Email: ssharp@relm.com sbrown@relm.com

Internet address: www.relm.com

Web catalog address: www.relm.com

Federal ID No.: 59-3486297

Supplier No.: W1049

Total Contract worth: \$400,000 (estimate based on 2012 sales)

Payment address: RELM Wireless Order 7100 Technology Dr
Corporation placement W Melbourne FL 32904
Dept. AT 952187 address:
Atlanta, GA 31192-2187

Customer Service: Susana Brown

Telephone: 800-821-2900

Fax: 800-704-3177

Ordering procedures: Call 800-821-2900 (Order Entry @ RELM), E-mail sbrown@relm.com or Fax hard copy purchase order to 800-821-2900 All w/ contract #02702 referenced.

Credit card acceptance: Visa, MasterCard, Discover & American Express

Minimum orders: N/A

Delivery time: 60 Days ARO

Payment terms: 30 Days

Shipping destination: Free on Board (FOB) destination

Freight: Prepaid and included

Palletization: YES

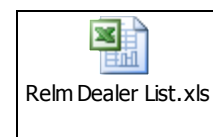
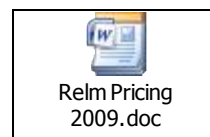
Category I,

Awarded Phase(s): Phase I

Link to Equipment www.relm.com

Specifications

**Link to Price Sheets
And Authorized
Dealers**



CONTRACTOR INFORMATION

Contractor: [Sinclair Technologies, Inc.](#)

(Received award for Phase I)

Contact: [Arlene Gerfin](#)

Alternate Contact: [Cyndi Fischer](#)

Phone: 716 874-3682 ext 336

310 796 1336

Fax: 716 874 4007

310 796 0636

Email: agerfin@sinctech.com

cfischer@sinctech.com

Internet address: www.sinctech.com

Web catalog address:

Federal ID No.: 16-0845791

Supplier No.: 30589-1

Total Contract worth: \$170,000 (estimate based on 2012 sales)

Payment address: Sinclair Technologies
55 Oriskany Dr
Tonawanda, NY 14150

Order placement address: Sinclair Technologies
55 Oriskany Dr
Tonawanda, NY 14150

Customer Service: Arlene Gerfin

Telephone: 716-874-3682 x243

Fax: 716-874-8736

Ordering procedures:

Credit card acceptance: (NONE SPECIFIED, BUT ANSWERED YES THEY ACCEPT THEM)

Minimum orders:

Delivery time: 30 days After Receipt of Order (ARO)

Payment terms: 1% 30 days

Shipping destination: Freight on Board (FOB) destination

Freight: Prepaid and included

Palletization: N/A

Category:

Equipment Line items:

Link to bid Specifications:

Link to Price Sheets:

Awarded Phase(s): Phase I

| | Description | Qty | Unit | Percentage off Mfg List Price |
|-----|---|--------|------|----------------------------------|
| 1. | Support Services | Hourly | EA | \$ |
| 2. | Installation Services | Hourly | EA | \$ |
| 3. | Repair Services | Hourly | EA | \$ |
| 4. | Accessories | | EA | |
| 5. | List other Equipment | | | |
| 6. | Cavity Ferrite Tx Combiners Brand/Model: CT & TJ Series (Catalog pg. 52-53) | | EA | 35% |
| 7. | Excaliber Mobile Antennas Mfg.: Sinclair Technologies Inc. Brand/Model: Excal Series (Catalog pg. 43-45) | | EA | 35% |
| 8. | Cavity Filters Mfg.: Sinclair Technologies Inc. Brand/Model: FP/FR/FQ Series (Catalog pg. 100-104) | | EA | 35% |
| 9. | Isolators Mfg.: Sinclair Technologies Inc. Brand/Model: I Series (Catalog pg. 68-69) | | | 35% |
| 10. | Mobile Duplexers Mfg.: Sinclair Technologies Inc. Brand/Model: MR Series (Catalog pg. 96-99) | | | 35% |
| 11. | Band Pass Duplexer Mfg.: Sinclair Technologies Inc. Brand/Model: P Series (Catalog pg. 86) | | EA | 35% |
| 12. | IM Suppression Panels Mfg.: Sinclair Technologies Inc. Brand/Model: PC Series (Catalog pg. 67) | | EA | 35% |
| 13. | Preselectors Mfg.: Sinclair Technologies Inc. Brand/Model: FP & PH Series (Catalog pg. 82-83) | | EA | 35% |
| 14. | Q-Circuit Base Station Duplexers Mfg.: Sinclair Technologies Inc. Brand/Model: Q-201G / Q-202G Series (Catalog pg. 89-90) | | EA | 35% |
| 15. | Res-Lok 'Q' Series Duplexers Mfg.: Sinclair Technologies Inc. Brand/Model: Q Series (Catalog pg. 91-95) | | EA | 35% |
| 16. | Receiver Multicouplers Mfg.: Sinclair Technologies Inc. Brand/Model: RM Series (Catalog pg. 73-76) | | EA | 35% |
| 17. | Exposed Dipole Array Antennas Mfg.: Sinclair Technologies Inc. Brand/Model: SRL- 110 / 210 / 222 / 224 / 235 / 310 / 335 Series (Catalog pg. 7, 9-12, 17-19) | | EA | 35% |

| | Description | Qty | Unit | Percentage off Mfg List Price |
|-----|--|-----|------|----------------------------------|
| 18. | VHF Corner Reflector Mfg.: Sinclair Technologies Inc. Brand/Model: SRL-227 (Catalog pg. 40) | | EA | 35% |
| 19. | Omnidirectional Antennas Mfg.: Sinclair Technologies Inc. Brand/Model: SRL-238 (Catalog pg. 8) | | EA | 35% |
| 20. | Yagi Antennas Mfg.: Sinclair Technologies Inc. Brand/Model: SRL-206 / SRL-212 / SRL-307 / SRL-406 (Catalog pg. 36, 37, 39) | | EA | 35% |
| 21. | Cellular/Trunking Exposed Dipole Array Antennas Mfg.: Sinclair Technologies Inc. Brand/Model: SRL-410 Series (Catalog pg. 21) | | EA | 35% |
| 22. | Cellular/Trunking Omnidirectional Antennas Mfg.: Sinclair Technologies Inc. Brand/Model: SRL-420 / SRL-480 Series (Catalog pg. 30) | | EA | 35% |
| 23. | Data Antennas Mfg.: Sinclair Technologies Inc. Brand/Model: SRL-441 Series (Catalog pg. 46-47) | | EA | 35% |
| 24. | Transmitter Combiners Mfg.: Sinclair Technologies Inc. Brand/Model: TC Series (Catalog pg. 58-59) | | EA | 35% |
| 25. | Fiberglass Collinear Antennas Mfg.: Sinclair Technologies Inc. Brand/Model: SRL-229 / SRL-320 (Catalog pg. 13, 16) | | EA | 35% |
| 26. | Ground Plane Antennas Mfg.: Sinclair Technologies Inc. Brand/Model: SRL-101 / SRL-301 (Catalog pg. 5, 15) | | EA | 35% |
| 27. | Harmonic Filters Mfg.: Sinclair Technologies Inc. Brand/Model: AF Series (Catalog pg. 72) | | EA | 35% |
| 28. | Power Monitor/Alarm Systems Mfg.: Sinclair Technologies Inc. Brand/Model: AMV-6A (Catalog pg. 84) | | EA | 35% |
| 29. | Clamps and Mounting Hardware Mfg.: Sinclair Technologies Inc. Brand/Model: Clamps (Catalog pg. 118-125) | | EA | 35% |

CONTRACTOR INFORMATION

Contractor: **Tait North America, Inc.**

(Received award for Phase I)

Contact: Brian Kirkham

Alternate Contact: Anna Zhao

Phone: (281) 944-3545

Phone: (281) 600-8281

Fax: (281) 829-3320

Fax: (281) 829-3320

Email: Brian.Kirkham@tairadio.com

Email: anna.zhao@tairadio.com

Internet address: wsca@tairadio.com

Web catalog address: <http://us.taitworld.com>

Federal ID No.: 74-2209324

Supplier No.: W6742

Total Contract worth: \$2,300,000 (estimate based on 2012 sales)

Office address: Tait Radio Communications
(Updated 8/14/09) 15342 Park Row
Houston, TX 77084

Shipping address: Tait Radio Communications
15352 Park Row
Houston, TX 77084
Order placement address: Ops. Mgr. Alan Gutsell
15342 Park Row
Houston, TX 77084

Payment address: Controller: Kris Klug
Dept 2408
PO Box 122408
Dallas, TX 75312-2408

Customer Service: Logistic & order processing Dept. wsca@tairadio.com

Telephone: (281) 829-3300

Fax: (281) 829-3320

Ordering procedures: e-mail or FAX

Credit card acceptance: Visa, MasterCard

Minimum orders: None

Delivery time: 30 days After Receipt of Order (ARO)

Payment terms: Net 30 days

Shipping destination: Free on Board (FOB) destination

Freight: Prepaid and included (UPS Ground)

Palletization: As Required

Awarded Phase(s) Phase I

Current Contract Information

Contract No. 02702
Tait North America Inc.

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| Req. Item | Comm. Code | Description | Qty | Unit | Percentage off Mfg List Price |
|-----------|------------|--|--------|----------|-------------------------------|
| 1.1 | | TB9100 P25 IP Base Station / Repeater Conventional or Trunked (136-174)(380-520)(762-870)MHz* | 1 | EA | 25% |
| 1.2 | | TP9100 P25 Portable Radio Conventional or Trunked (136-174)(380-420)(400-470)(450-530)(762-870) MHz* | 1 | EA | 25% |
| 1.3 | | TM9100 P25 Mobile Radios Conventional or Trunked (136-174)(360-400)(400-470)(450-530)(762-870)MHz* | 1 | EA | 25% |
| 1.4 | | P25 Encryption Key Fill Device KFD | 1 | EA | 25% |
| 2.0 | | TB9100 P25 / TB8100 Portable Repeater Conventional or Trunked (136-156)(148-174)(174-193)(193-225)(380-420)(400-440)(440-480)(470-520)(762-869)(852-930)(896-941)* | 1 | EA | 25% |
| 3.1 | | TB7100 Base Station / Repeater Conventional or Trunked (66-88)(136-174)(216-266)(400-470)(450-530) MHz* | 1 | EA | 25% |
| 3.2 | | TB8100 Base Station / Repeater Conventional or Trunked (136-156)(148-174)(174-193)(193-225)(380-420)(400-440)(440-480)(470-520)(762-776/850-870)(896-941) MHz* | 1 | EA | 25% |
| 3.3 | | TP8100 Portable Radio Conventional or Trunked (136-174)(174-225)(400-470)(450-530)(806-870)(896-941) MHz* ORCA Intrinsically Safe Portable Radio Conventional or Trunked (66-88)(806-870)(851-870)(896-941)(935-941) MHz* | 1 | EA | 25% |
| 3.4 | | TM8100/8200 Mobile Radios Conventional or Trunked (66-88)(136-174)(216-266)(350-400)(400-470)(450-530)(762-776)(792-825)(850-941) MHz* | 1 | EA | 25% |
| 4.0 | | Technical Support Services During Regular Business Hours Outside Regular Business Hours (excluding travel expenses) | 1 1 | HR HR | \$ 85.00 \$150.00 |
| 5.0 | | All other items including accessories. | 1 | EA | 25% |

* Some Power and Band Splits may vary depending on model. See individual product specification sheets for details.

**P-25 Phase 2 Enabled Radio Packages
PORTABLE RADIOS**

| | | list price | WSCA Price |
|--|---|---|---|
| TP9455 encryptable | | TP9455 | |
| Part Number TP9455-K5ZB-0CEX-0D00 T03-00012-AEAA TPAS050 TPAS055 TP9455-K5ZB-0CCX-0DBA | 9455 Portables (P25 Phase 2 Upgradable) TP9455, 7/800MHz , 2500mAh Battery, Antenna, Charger and US Plug Pack P25 CAI P25 Trunking Licence Full package - 2000mAh batt, antenna, Charger & PP, CAI, P25 trunking | 4 Key \$1,964 \$72 \$464 \$365 \$2,865 | \$1,473 \$54 \$348 \$274 \$2,149 |

| | | | |
|--|--|--|---|
| TP9460 encryptable | | TP9460 | |
| Part Number TP9460-K5BB-0CEX-0D00 T03-00012-AEAA TPAS050 TPAS055 TP9460-K5ZB-0CCX-0DBA | 9460 Portables (P25 Phase 2 Upgradable) TP9460,7/800MHz 2500mAh Battery, Antenna, Charger and US Plug Pack P25 CAI P25 Trunking Licence Full package - 2000mAh batt, antenna, Charger & PP, CAI, P25 trunking | 16 Key \$2,259 \$72 \$464 \$365 \$3,160 | \$1,694 \$54 \$348 \$274 \$2,370 |

| | | | |
|---|---|--|--|
| TP9435 no encryption | | TP9435 | |
| Part Number TP9435-K5ZB-0CEX-0DAA T03-00012-AEAA TPAS055 TP9435-K5ZB-0CCX-0DBA | 9435 Portables (P25 Phase 2 Upgradable) TP9400 including, 2500mAh Battery, Antenna, CAI Charger and US Plug Pack P25 Trunking Licence Full package - 2000mAh batt, antenna, Charger & PP, CAI, P25 trunking | 4 Key \$1,768 \$72 \$365 \$2,205 | \$1,326 \$54 \$274 \$1,654 |

| | | | |
|---|---|---|--|
| TP9440 no encryption | | TP9440 | |
| Part Number TP9440-K5ZB-0CEX-0DAA T03-00012-AEAA TPAS055 TP9440-K5ZB-0CCX-0DBA | 9440 Portables (P25 Phase 2 Upgradable) TP9400 including, 2500mAh Battery, Antenna, CAI Charger and US Plug Pack P25 Trunking Licence Full package - 2000mAh batt, antenna, Charger & PP, CAI, P25 trunking | 16 Key \$1,983 \$72 \$365 \$2,420 | \$1,487 \$54 \$274 \$1,815 |

X' is dependant on the antenna they require: (see product coding sheets for more details)

K = Whip 1/4"

L = Helical (Stubby)

M = Whip 1/2"

Z designates Case color

B = Black

O = Orange

ACCESSORIES

| Spare Batteries | | List USD | WSCA Price |
|-----------------|---|----------|------------|
| T03-00011-AAAA | TP81/93/94 Battery - Standard Li-Ion 2000mAh | \$88 | \$66 |
| T03-00011-CAAA | TP81/93/94 Battery - Performance Li-Ion 2500mAh | \$108 | \$81 |

MOBILE RADIOS

TM9455 encryptable

| Product Code | 9400 Mobiles (P25 Phase 2 Upgradable) 7/800MHz | Std Mic | |
|-----------------------|--|----------------|----------------|
| TM9455-K5X0-AAU0-0000 | TM9455, 7/800MHz, 35W, std Mic, U-cradle | \$2,296 | \$1,722 |
| TMAS050 | P25 CAI | \$464 | \$348 |
| TMAS055 | P25 Trunking Licence | \$365 | \$274 |
| TM9455-K5X0-AAU0-00BA | Full package including std mic, CAI and Trunking Licences | \$3,125 | \$2,344 |

TM9544 encryptable

| Product Code | 9400 Mobiles (P25 Phase 2 Upgradable) 7/800MHz | Keypad Mic | |
|-----------------------|--|----------------|----------------|
| TM9455-K5X0-ABU0-0000 | TM9455, 7/800MHz, 35W, K/pad Mic, U-cradle | \$2,396 | \$1,797 |
| TMAS050 | P25 CAI | \$464 | \$348 |
| TMAS055 | P25 Trunking Licence | \$365 | \$274 |
| TM9455-K5X0-ABU0-00BA | Full package including k/pad mic, CAI and Trunking Licences | \$3,225 | \$2,419 |

TM9435 no encryption

| Product Code | 9400 Mobiles (P25 Phase 2 Upgradable) 7/800MHz | Std Mic | |
|-----------------------|--|----------------|----------------|
| TM9435-K5X0-AAU0-0000 | TM9435, 7/800MHz, 35W, std Mic, U-cradle | \$1,651 | \$1,238 |
| TMAS050 | P25 CAI | \$464 | \$348 |
| TMAS055 | P25 Trunking Licence | \$365 | \$274 |
| TM9435-K5X0-AAU0-00BA | Full package including std mic, CAI and Trunking Licences | \$2,480 | \$1,860 |

TM9435 no encryption

| Product Code | 9400 Mobiles (P25 Phase 2 Upgradable) 7/800MHz | Keypad Mic | |
|-----------------------|--|----------------|----------------|
| TM9435-K5X0-ABU0-0000 | TM9435, 7/800MHz, 35W, keypad Mic, U-cradle | \$1,751 | \$1,313 |
| TMAS050 | P25 CAI | \$464 | \$348 |
| TMAS055 | P25 Trunking Licence | \$365 | \$274 |
| TM9435-K5X0-ABU0-00BA | Full package including k/pad mic, CAI and Trunking Licences | \$2,580 | \$1,935 |

X' is dependant on whether they require BNC or mini-UHF connector: (see product coding sheets for more details)

C= 35-50W with BNC connector

D = 35-50W with Mini-UHF connector

CONTRACTOR INFORMATION

Contractor: Valmont

(Received award for Phase I and Phase II)

Page number <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category6.doc>

Contact: Dennis Beal Alternate Contact: Sean Gallagher

Phone: 503-589-6671 503-589-6616

Fax: 503-589-6636 503-363-4613

Email: Dennis.Beal@Valmont.com seang@valmont.com

Alternate Contact: Ron Beyer

Phone: 503-589-6673

Fax: 503-363-4613

Email: ronb@valmont.com

Internet address: <http://www.valmont.com>

Web catalog address: <http://www.valmont.com>

Tower Details <http://www.ga.wa.gov/pca/contract/02702-Valmont-HeavyMicrowave-details-052005.xls>

Bid Documents and Specifications <http://www.ga.wa.gov/pca/contract/02702-Valmont-MicrowaveHeavyTowers-052005.doc>

Federal ID No.: 35-1990084

Supplier No.: W365

Total Contract worth: \$1,000,000 (estimate based on 2012 sales)

| | | | |
|-------------------------|---|-------------------------------------|--|
| Payment address: | Valmont Accounts Payable P.O. Box 128 Plymouth, IN 46563 | Order placement address: | Valmont Industries 3575 25 th Street SE Salem, OR 97302 |
|-------------------------|---|-------------------------------------|--|

Customer Service: Kathy Kalugin

Telephone: 503-589-6658

Fax: 503-363-4612

Ordering procedures: See the next pages

Credit card acceptance: Visa and Mastercard

Minimum orders: None

Delivery time: 45 days After Receipt of Order (ARO)

Payment terms: 0% 30 days

Shipping destination: Freight on Board (FOB) Destination. (Except effective 12/01/10 for component parts only, freight charges will be prepaid and added to the invoice as a separate line item. Title to the goods remains Valmont's responsibility until delivery is completed.

Freight: Prepaid and included

Palletization: N/A

Category Category 6 Communication Towers

Equipment Line items

Link to bid <http://www.ga.wa.gov/pca/bids/02702-Phase2-Category6.doc>

Specifications
Link to Price Sheets See below

Engineering Hourly Rate \$ 95.00 per hour
Frabrication Hourly \$ 75.00 per hour
Installation \$ 85.00 per hour
Materials at cost + 15%
Awarded Phase(s) Phase I & II

Category 6 Communication Towers

SPECIAL TERMS AND CONDITIONS

1. MATERIALS AND WORKMANSHIP

The Contractor shall be required to furnish all materials, equipment and/or services necessary to perform contractual requirements. Materials and workmanship in the construction of equipment for this contract shall conform to all codes, regulations and requirements for such equipment, specifications contained herein, and the normal uses for which intended. Materials shall be manufactured in accordance with the best commercial practices and standards for this type of equipment. Materials used in the production of any tower must be new.

2. WARRANTY(IES)

All materials provided shall be guaranteed by the contractor against mechanical, electrical and workmanship defects. In the event defects become evident within the warranty period, the contractor shall furnish replacement parts and materials at no additional cost to the state. The warranty period shall commence with the date of the communications tower's acceptance and remain in effect for one (1) calendar year, except for expendable items.

The contractor shall provide, within the warranty period and at the bid price, the necessary parts, labor and transportation to maintain the equipment in sufficient state of repair to continue system performance in compliance with the specification contained herein. The contractor shall provide qualified personnel, replacement parts and material to service the equipment at the installed site location within eight (8) hours after the notification of equipment failure. Repairs must be complete within 48 hours.

This warranty period maintenance shall be on a working hour basis as follows: 24 hours per day, 7 days per week.

SUBMITTALS

Price Sheet

TITLE:

**3 LEGGED HOLLOW ROUND TRIANGULAR SELF SUPPORT TOWERS HEAVY MICROWAVE,
4 LEGGED HOLLOW ROUND SELF SUPPORT TOWERS HEAVY MICROWAVE
CAMERA POLES
MONOPOLES**

Separate pricing sheet must be submitted for each type of towers

Notes for completing the Price Sheet

- The provided Price Sheet shall be completed by the vendor showing a project cost breakdown on an item by item basis rather than a simple lump sum cost.
- The Vendor shall list all specific exceptions to the specification and submit these exceptions with the pricing offer.
-

Site assumptions:

- Relatively flat
- Typically 30 miles or 1-1/2 hour drive from the nearest town
- Public gravel or dirt access road to site
- Site typically located on top of a mountain or side of mountain at 3500 ft AMSL in the State of Washington
- Space is typically available on site for tower assembly and erection.
- 120VAC/240VAC is typically available on site for AC commercial powered sites
- For non-AC commercial powered sites the contractor shall provide their own temporary portable AC generator to meet their AC power needs.



**PRICE SHEET TABLE
SOLICITATION FOR NEW PRICING
CONTRACT NO. 02702**

TITLE: PUBLIC SAFETY COMMUNICATION EQUIPMENT

LIGHT DUTY 3 LEGGED HOLLOW ROUND TRIANGULAR SELF SUPPORT TOWERS

Separate pricing sheet must be submitted for each type of structure

300 Foot Self-Support tower to **be priced by 20 foot sections exclusively, from elevation down from top, ft.** including Waveguide Bridge and all linear and discrete tower appurtenances, i.e., antenna tower mounts, working, rest & walking platforms, climbing ladders and vertical waveguide ladders.

| Tower in 20 ft Section, top down Line Item | Mfg stock number | Tower Costs Material & Freight Only | Climbing Ladder & Anti- Climb Device Material & Labor | Obstruction Lighting System Medium Intensity Material & Labor <u>Must be included for all towers heights</u> | Geotechnical Report Costs | Grounding of Tower Base & WG Ladder | Tower Installation Costs Labor Only | Standard Safety Climb Cable Device includes harness, sleeve + Top & Bottom Stops + Install Labor | Rose Safety Climb Rail Device includes sleeve + Top & Bottom Stops + Install Labor | Total \$ |
|--|---------------------|---|---|--|------------------------------|---|--|---|--|-------------|
| | | \$ | \$ | \$ | | \$ | \$ | \$ | \$ | |
| 1. 20 ft | L72-S920-20 | 7186.00 | 1045.00 | 10143.00 | \$6000.00 | By Others | 13112.00 | 982.00 | 1524.00 | \$39992.00 |
| 2. 40 ft | L72-S920-40 | 8434.00 | 1705.00 | 10143.00 | \$6000.00 | By Others | 13288.00 | 1246.00 | 2023.00 | \$42839.00 |
| 3. 60 ft | L72-S920-60 | 9930.00 | 2365.00 | 10143.00 | \$6000.00 | By Others | 14872.00 | 1536.00 | 2527.00 | \$47373.00 |
| 4. 80 ft | L72-S920-80 | 12205.00 | 3025.00 | 10143.00 | \$6000.00 | By Others | 18436.00 | 1800.00 | 2951.00 | \$54560.00 |
| 5. 100 ft | L72-S920-100 | 14455.00 | 3685.00 | 10143.00 | \$6000.00 | By Others | 20900.00 | 2064.00 | 3500.00 | \$60747.00 |
| 6. 120 ft | L72-S920-120 | 18230.00 | 4345.00 | 10293.00 | \$6000.00 | By Others | 24574.00 | 2170.00 | 4004.00 | \$69616.00 |
| 7. 140 ft | L72-S920-140 | 22808.00 | 5005.00 | 10293.00 | \$6000.00 | By Others | 27038.00 | 2682.00 | 4508.00 | \$78334.00 |
| 8. 160 ft | L72-S920-160 | 29025.00 | 5655.00 | 10293.00 | \$6000.00 | By Others | 29502.00 | 2859.00 | 4927.00 | \$88261.00 |
| 9. 180 ft | L72-S920-180 | 34,135.00 | 6325.00 | 10293.00 | \$6000.00 | By Others | 33066.00 | 3270.00 | 5481.00 | \$98570.00 |
| 10. 200 ft | L72-S920-200 | 50340.00 | 6985.00 | 10293.00 | \$6000.00 | By Others | 35530.00 | 3534.00 | 5980.00 | \$118662.00 |
| 11. 220 ft | L72-S920-220 | 50887.00 | 7645.00 | 13601.00 | \$6000.00 | By Others | 41712.00 | 3850.00 | 6334.00 | \$130029.00 |
| 12. 240 ft | L72-S920-240 | 59124.00 | 7920.00 | 13601.00 | \$6000.00 | By Others | 44176.00 | 4114.00 | 6908.00 | \$141843.00 |
| 13. 260 ft | L72-S920-260 | 69541.00 | 8965.00 | 13601.00 | \$6000.00 | By Others | 46640.00 | 4442.00 | 7407.00 | \$156596.00 |
| 14. 280 ft | L72-S920-280 | 82258.00 | 9625.00 | 13601.00 | \$6000.00 | By Others | 52272.00 | 4706.00 | 7916.00 | \$176378.00 |
| 15. 300 ft | L72-S920-300 | 107075.00 | 10285.00 | 13601.00 | \$6000.00 | By Others | 54736.00 | 4970.00 | 8335.00 | \$205002.00 |

Provide price offer to make changes to existing towers. This should labor rates and cost for materials.

**PRICE SHEET TABLE
SOLICITATION FOR NEW PRICING
CONTRACT NO. 02702**

TITLE: PUBLIC SAFETY COMMUNICATION EQUIPMENT

MEDIUM DUTY 3 LEGGED HOLLOW ROUND TRIANGULAR SELF SUPPORT TOWERS HEAVY

Separate pricing sheet must be submitted for each type of structure

300 Foot Self-Support tower to **be priced by 20 foot sections exclusively, from elevation down from top, ft.** including Waveguide Bridge and all linear and discrete tower appurtenances, i.e., antenna tower mounts, working, rest & walking platforms, climbing ladders and vertical waveguide ladders.

| Tower in 20 ft Section, top down Line Item | Mfg stock number | Tower Costs Material & Freight Only | Climbing Ladder & Anti- Climb Device Material & Labor | Obstruction Lighting System Medium Intensity Material & Labor <u>Must be included for all towers heights</u> | Geotechnical Report Costs | Grounding of Tower Base & WG Ladder | Tower Installation Costs Labor Only | Standard Safety Climb Cable Device includes harness, sleeve + Top & Bottom Stops + Install Labor | Rose Safety Climb Rail Device includes sleeve + Top & Bottom Stops + Install Labor | Total \$ |
|--|---------------------|---|---|--|------------------------------|---|--|---|--|-------------|
| | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | |
| 1. 20 ft | M72-S920-20 | 7692.00 | 1045.00 | 10143.00 | 6000.00 | By Others | 13112.00 | 982.00 | 1524.00 | \$40498.00 |
| 2. 40 ft | M72-S920-40 | 8889.00 | 1705.00 | 10143.00 | 6000.00 | By Others | 13288.00 | 1246.00 | 2023.00 | \$43294.00 |
| 3. 60 ft | M72-S920-60 | 11086.00 | 2365.00 | 10143.00 | 6000.00 | By Others | 14872.00 | 1536.00 | 2527.00 | \$48529.00 |
| 4. 80 ft | M72-S920-80 | 14173.00 | 3025.00 | 10143.00 | 6000.00 | By Others | 18436.00 | 1800.00 | 2951.00 | \$56528.00 |
| 5. 100 ft | M72-S920-100 | 18430.00 | 3685.00 | 10143.00 | 6000.00 | By Others | 20900.00 | 2064.00 | 3500.00 | \$64722.00 |
| 6. 120 ft | M72-S920-120 | 23467.00 | 4345.00 | 10293.00 | 6000.00 | By Others | 24574.00 | 2170.00 | 4004.00 | \$74853.00 |
| 7. 140 ft | M72-S920-140 | 33164.00 | 5005.00 | 10293.00 | 6000.00 | By Others | 27038.00 | 2682.00 | 4508.00 | \$88690.00 |
| 8. 160 ft | M72-S920-160 | 41891.00 | 5655.00 | 10293.00 | 6000.00 | By Others | 29502.00 | 2859.00 | 4927.00 | \$101127.00 |
| 9. 180 ft | M72-S920-180 | 52918.00 | 6325.00 | 10293.00 | 6000.00 | By Others | 33066.00 | 3270.00 | 5481.00 | \$117353.00 |
| 10. 200 ft | M72-S920-200 | 65855.00 | 6985.00 | 10293.00 | 6000.00 | By Others | 35530.00 | 3534.00 | 5980.00 | \$134177.00 |
| 11. 220 ft | M72-S920-220 | 74922.00 | 7645.00 | 13601.00 | 6000.00 | By Others | 41712.00 | 3850.00 | 6334.00 | \$154064.00 |
| 12. 240 ft | M72-S920-240 | 90099.00 | 7920.00 | 13601.00 | 6000.00 | By Others | 44176.00 | 4114.00 | 6908.00 | \$172818.00 |
| 13. 260 ft | M72-S920-260 | 116896.00 | 8965.00 | 13601.00 | 6000.00 | By Others | 46640.00 | 4442.00 | 7407.00 | \$203951.00 |
| 14. 280 ft | M72-S920-280 | 135153.00 | 9625.00 | 13601.00 | 6000.00 | By Others | 52272.00 | 4706.00 | 7916.00 | \$229273.00 |
| 15. 300 ft | M72-S920-300 | 156310.00 | 10285.00 | 13601.00 | 6000.00 | By Others | 54736.00 | 4970.00 | 8335.00 | \$254237.00 |

Provide price offer to make changes to existing towers. This should labor rates and cost for materials.

**PRICE SHEET TABLE
SOLICITATION FOR NEW PRICING
CONTRACT NO. 02702**

TITLE: PUBLIC SAFETY COMMUNICATION EQUIPMENT

HEAVY DUTY 3 LEGGED HOLLOW ROUND TRIANGULAR SELF SUPPORT TOWERS

Separate pricing sheet must be submitted for each type of structure

300 Foot Self-Support tower to **be priced by 20 foot sections exclusively, from elevation down from top, ft.** including Waveguide Bridge and all linear and discrete tower appurtenances, i.e., antenna tower mounts, working, rest & walking platforms, climbing ladders and vertical waveguide ladders.

| Tower in 20 ft Section, top down Line Item | Mfg stock number | Tower Costs Material & Freight Only | Climbing Ladder & Anti- Climb Device Material & Labor | Obstruction Lighting System Medium Intensity Material & Labor <u>Must be included for all towers heights</u> | Geotechnical Report Costs | Grounding of Tower Base & WG Ladder | Tower Installation Costs Labor Only | Standard Safety Climb Cable Device includes harness, sleeve + Top & Bottom Stops + Install Labor | Rose Safety Climb Rail Device includes sleeve + Top & Bottom Stops + Install Labor | Total \$ |
|--|---------------------|---|---|--|------------------------------|---|--|---|--|-------------|
| | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | |
| 1. 20 ft | H72-S920-20 | 7342.00 | 1045.00 | 10143.00 | 6000.00 | By Others | 13112.00 | 982.00 | 1524.00 | \$40148.00 |
| 2. 40 ft | H72-S920-40 | 9829.00 | 1705.00 | 10143.00 | 6000.00 | By Others | 13288.00 | 1246.00 | 2023.00 | \$44234.00 |
| 3. 60 ft | H72-S920-60 | 12776.00 | 2365.00 | 10143.00 | 6000.00 | By Others | 14872.00 | 1536.00 | 2527.00 | \$50219.00 |
| 4. 80 ft | H72-S920-80 | 16873.00 | 3025.00 | 10143.00 | 6000.00 | By Others | 18436.00 | 1800.00 | 2951.00 | \$59228.00 |
| 5. 100 ft | H72-S920-100 | 22600.00 | 3685.00 | 10143.00 | 6000.00 | By Others | 20900.00 | 2064.00 | 3500.00 | \$68892.00 |
| 6. 120 ft | H72-S920-120 | 28447.00 | 4345.00 | 10293.00 | 6000.00 | By Others | 24574.00 | 2170.00 | 4004.00 | \$79833.00 |
| 7. 140 ft | H72-S920-140 | 36104.00 | 5005.00 | 10293.00 | 6000.00 | By Others | 27038.00 | 2682.00 | 4508.00 | \$91630.00 |
| 8. 160 ft | H72-S920-160 | 43391.00 | 5655.00 | 10293.00 | 6000.00 | By Others | 29502.00 | 2859.00 | 4927.00 | \$102627.00 |
| 9. 180 ft | H72-S920-180 | 54498.00 | 6325.00 | 10293.00 | 6000.00 | By Others | 33066.00 | 3270.00 | 5481.00 | \$118933.00 |
| 10. 200 ft | H72-S920-200 | 66995.00 | 6985.00 | 10293.00 | 6000.00 | By Others | 35530.00 | 3534.00 | 5980.00 | \$135317.00 |
| 11. 220 ft | H72-S920-220 | 78332.00 | 7645.00 | 13601.00 | 6000.00 | By Others | 41712.00 | 3850.00 | 6334.00 | \$157474.00 |
| 12. 240 ft | H72-S90-240 | 91849.00 | 7920.00 | 13601.00 | 6000.00 | By Others | 44176.00 | 4114.00 | 6908.00 | \$174568.00 |
| 13. 260 ft | H72-S920-260 | 118386.00 | 8965.00 | 13601.00 | 6000.00 | By Others | 46640.00 | 4442.00 | 7407.00 | \$205441.00 |
| 14. 280 ft | H72-S920-280 | 137233.00 | 9625.00 | 13601.00 | 6000.00 | By Others | 52272.00 | 4706.00 | 7916.00 | \$231353.00 |
| 15. 300 ft | H72-S920-300 | 159300.00 | 10285.00 | 13601.00 | 6000.00 | By Others | 54736.00 | 4970.00 | 8335.00 | \$257227.00 |

Provide price offer to make changes to existing towers. This should labor rates and cost for materials.

**PRICE SHEET TABLE
SOLICITATION FOR NEW PRICING
CONTRACT NO. 02702**

TITLE: PUBLIC SAFETY COMMUNICATION EQUIPMENT

HEAVY DUTY 4 LEGGED HOLLOW ROUND SQUARE SELF SUPPORT TOWERS

Separate pricing sheet must be submitted for each type of structure

300 Foot Self-Support tower to **be priced by 20 foot sections exclusively, from elevation down from top, ft.** including Waveguide Bridge and all linear and discrete tower appurtenances, i.e., antenna tower mounts, working, rest & walking platforms, climbing ladders and vertical waveguide ladders.

| Tower in 20 ft Section, top down Line Item | Mfg stock number | Tower Costs Material & Freight Only | Climbing Ladder & Anti-Climb Device Material & Labor | Obstruction Lighting System Medium Intensity Material & Labor <u>Must be included for all towers heights</u> | Geotechnical Report Costs | Grounding of Tower Base & WG Ladder | Tower Installation Costs Labor Only | Standard Safety Climb Cable Device includes harness, sleeve + Top & Bottom Stops + Install Labor | Rose Safety Climb Rail Device includes sleeve + Top & Bottom Stops + Install Labor | Total \$ |
|--|---------------------|---|---|--|------------------------------|---|--|---|--|-------------|
| | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | |
| 1. 20 ft | H108-M820-20 | 13042.00 | 1045.00 | 10143.00 | 6000.00 | By Others | 13913.00 | 982.00 | 1524.00 | \$46649.00 |
| 2. 40 ft | H108-M840-40 | 19542.00 | 1705.00 | 10143.00 | 6000.00 | By Others | 13880.00 | 1246.00 | 2023.00 | \$54539.00 |
| 3. 60 ft | H108-M840-60 | 25596.00 | 2365.00 | 10143.00 | 6000.00 | By Others | 15990.00 | 1536.00 | 2527.00 | \$64157.00 |
| 4. 80 ft | H108-M840-80 | 32583.00 | 3025.00 | 10143.00 | 6000.00 | By Others | 19981.00 | 1800.00 | 2951.00 | \$76483.00 |
| 5. 100 ft | H108-M840-100 | 39200.00 | 3685.00 | 10143.00 | 6000.00 | By Others | 22761.00 | 2064.00 | 3500.00 | \$87353.00 |
| 6. 120 ft | H108-M840-120 | 46827.00 | 4345.00 | 10293.00 | 6000.00 | By Others | 28023.00 | 2170.00 | 4004.00 | \$101662.00 |
| 7. 140 ft | H108-M840-140 | 56204.00 | 5005.00 | 10293.00 | 6000.00 | By Others | 30962.00 | 2682.00 | 4508.00 | \$115654.00 |
| 8. 160 ft | H108-M840-160 | 65246.00 | 5655.00 | 10293.00 | 6000.00 | By Others | 33901.00 | 2859.00 | 4927.00 | \$128881.00 |
| 9. 180 ft | H108-M840-180 | 75583.00 | 6325.00 | 10293.00 | 6000.00 | By Others | 38105.00 | 3270.00 | 5481.00 | \$145057.00 |
| 10. 200 ft | H108-M840-200 | 83170.00 | 6985.00 | 10293.00 | 6000.00 | By Others | 41044.00 | 3534.00 | 5980.00 | \$157006.00 |
| 11. 220 ft | H108-M840-220 | 93782.00 | 7645.00 | 13601.00 | 6000.00 | By Others | 50442.00 | 3850.00 | 6334.00 | \$18144.00 |
| 12. 240 ft | H108-M840-240 | 105239.00 | 7920.00 | 13601.00 | 6000.00 | By Others | 53539.00 | 4114.00 | 6908.00 | \$197321.00 |
| 13. 260 ft | H108-M840-260 | 125021.00 | 8965.00 | 13601.00 | 6000.00 | By Others | 56637.00 | 4442.00 | 7407.00 | \$222073.00 |
| 14. 280 ft | H108-M840-280 | 141958.00 | 9625.00 | 13601.00 | 6000.00 | By Others | 63536.00 | 4706.00 | 7916.00 | \$247342.00 |
| 15. 300 ft | H108-M840-300 | 157785.00 | 10285.00 | 13601.00 | 6000.00 | By Others | 66634.00 | 4970.00 | 8335.00 | \$267610.00 |

Provide price offer to make changes to existing towers. This should labor rates and cost for materials.

PRICE SHEET TABLE
SOLICITATION FOR NEW PRICING
CONTRACT NO. 02702
TITLE: PUBLIC SAFETY COMMUNICATION EQUIPMENT
LIGHT DUTY MONOPOLES

Separate pricing sheet must be submitted for each type of structure

300 Foot Self-Support tower to **be priced by 20 foot sections exclusively, from elevation down from top, ft.** including Waveguide Bridge and all linear and discrete tower appurtenances, i.e., antenna tower mounts, working, rest & walking platforms, climbing ladders and vertical waveguide ladders.

| Tower in 20 ft Section, top down Line Item | Mfg stock number | Monopole Costs Material & Freight Only | Climbing Stepbolts & Anti-Climb Device Material & Labor | Obstruction Lighting System Medium Intensity Material & Labor <u>Must be included for all towers heights</u> | Geotechnical Report Costs | Grounding of Tower Base & WG Ladder | Monopole Installation Costs Labor Only | Standard Safety Climb Cable Device includes harness, sleeve + Top & Bottom Stops + Install Labor | Rose Safety Climb Rail Device includes sleeve + Top & Bottom Stops + Install Labor | Total \$ |
|--|---------------------|--|--|--|------------------------------|---|---|---|--|------------|
| | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | |
| 1. 20 ft | LGT_MP20 | 11633.00 | 1024.00 | 10143.00 | 6000.00 | By Others | 11517.00 | 669.00 | N/A | \$40986.00 |
| 2. 40 ft | LGT_MP40 | 12323.00 | 1058.00 | 10143.00 | 6000.00 | By Others | 11737.00 | 727.00 | N/A | \$41988.00 |
| 3. 60 ft | LGT_MP60 | 14573.00 | 1093.00 | 10143.00 | 6000.00 | By Others | 12177.00 | 785.00 | N/A | \$44771.00 |
| 4. 80 ft | LGT_MP80 | 15743.00 | 1127.00 | 10143.00 | 6000.00 | By Others | 12617.00 | 842.00 | N/A | \$46472.00 |
| 5. 100 ft | LGT_MP100 | 17633.00 | 1161.00 | 10143.00 | 6000.00 | By Others | 12837.00 | 900.00 | N/A | 448674.00 |
| 6. 120 ft | LGT_MP120 | 21063.00 | 1196.00 | 10293.00 | 6000.00 | By Others | 13277.00 | 914.00 | N/A | \$52473.00 |
| 7. 140 ft | LGT_MP140 | 23103.00 | 1230.00 | 10293.00 | 6000.00 | By Others | 16533.00 | 972.00 | N/A | \$58131.00 |
| 8. 160 ft | LGT_MP160 | 29223.00 | 1265.00 | 10293.00 | 6000.00 | By Others | 16863.00 | 1029.00 | N/A | \$64673.00 |
| 9. 180 ft | LGT_MP180 | 33353.00 | 1299.00 | 10293.00 | 6000.00 | By Others | 17312.00 | 1087.00 | N/A | \$69344.00 |
| 10. 200 ft | LGT_MP200 | 46173.00 | 1333.00 | 10293.00 | 6000.00 | By Others | 19072.00 | 1145.00 | N/A | \$84016.00 |
| 11. 220 ft | | | | | | | | | | |
| 12. 240 ft | | | | | | | | | | |
| 13. 260 ft | | | | | | | | | | |
| 14. 280 ft | | | | | | | | | | |
| 15. 300 ft | | | | | | | | | | |

Provide price offer to make changes to existing towers. This should labor rates and cost for materials.

PRICE SHEET TABLE
SOLICITATION FOR NEW PRICING
CONTRACT NO. 02702
TITLE: PUBLIC SAFETY COMMUNICATION EQUIPMENT
MEDIUM DUTY MONOPOLES

Separate pricing sheet must be submitted for each type of structure

300 Foot Self-Support tower to **be priced by 20 foot sections exclusively, from elevation down from top, ft.** including Waveguide Bridge and all linear and discrete tower appurtenances, i.e., antenna tower mounts, working, rest & walking platforms, climbing ladders and vertical waveguide ladders.

| Tower in 20 ft Section, top down Line Item | Mfg stock number | Monopole Costs Material & Freight Only | Climbing Stepbolts & Anti-Climb Device Material & Labor | Obstruction Lighting System Medium Intensity Material & Labor <u>Must be included for all towers heights</u> | Geotechnical Report Costs | Grounding of Tower Base & WG Ladder | Monopole Installation Costs Labor Only | Standard Safety Climb Cable Device includes harness, sleeve + Top & Bottom Stops + Install Labor | Rose Safety Climb Rail Device includes sleeve + Top & Bottom Stops + Install Labor | Total \$ |
|--|---------------------|--|--|--|------------------------------|---|---|---|--|------------|
| | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | |
| 1. 20 ft | MED_MP20 | 13160.00 | 1024.00 | 10143.00 | 6000.00 | By Others | 11908.00 | 669.00 | N/A | \$42904.00 |
| 2. 40 ft | MED_MP40 | 14080.00 | 1058.00 | 10143.00 | 6000.00 | By Others | 12139.00 | 727.00 | N/A | \$44147.00 |
| 3. 60 ft | MED_MP60 | 16190.00 | 1093.00 | 10143.00 | 6000.00 | By Others | 12601.00 | 785.00 | N/A | \$46812.00 |
| 4. 80 ft | MED_MP80 | 18000.00 | 1127.00 | 10143.00 | 6000.00 | By Others | 13063.00 | 842.00 | N/A | \$49175.00 |
| 5. 100 ft | MED_MP100 | 21410.00 | 1161.00 | 10143.00 | 6000.00 | By Others | 13294.00 | 900.00 | N/A | \$52908.00 |
| 6. 120 ft | MED_MP120 | 24390.00 | 1196.00 | 10293.00 | 6000.00 | By Others | 13756.00 | 914.00 | N/A | \$56549.00 |
| 7. 140 ft | MED_MP140 | 27730.00 | 1230.00 | 10293.00 | 6000.00 | By Others | 17174.00 | 972.00 | N/A | \$63399.00 |
| 8. 160 ft | MED_MP160 | 33740.00 | 1265.00 | 10293.00 | 6000.00 | By Others | 17521.00 | 1029.00 | N/A | \$69848.00 |
| 9. 180 ft | MED_MP180 | 38940.00 | 1299.00 | 10293.00 | 6000.00 | By Others | 17992.00 | 1087.00 | N/A | \$75611.00 |
| 10. 200 ft | MED_MP200 | 51200.00 | 1333.00 | 10293.00 | 6000.00 | By Others | 19840.00 | 1145.00 | N/A | \$89811.00 |
| 11. 220 ft | | | | | | | | | | |
| 12. 240 ft | | | | | | | | | | |
| 13. 260 ft | | | | | | | | | | |
| 14. 280 ft | | | | | | | | | | |
| 15. 300 ft | | | | | | | | | | |

Provide price offer to make changes to existing towers. This should labor rates and cost for materials.

PRICE SHEET TABLE
SOLICITATION FOR NEW PRICING
CONTRACT NO. 02702
TITLE: PUBLIC SAFETY COMMUNICATION EQUIPMENT
HEAVY DUTY MONOPOLES

Separate pricing sheet must be submitted for each type of structure

300 Foot Self-Support tower to **be priced by 20 foot sections exclusively, from elevation down from top, ft.** including Waveguide Bridge and all linear and discrete tower appurtenances, i.e., antenna tower mounts, working, rest & walking platforms, climbing ladders and vertical waveguide ladders.

| Tower in 20 ft Section, top down Line Item | Mfg stock number | Monopole Costs Material & Freight Only | Climbing Stepbolts & Anti-Climb Device Material & Labor | Obstruction Lighting System Medium Intensity Material & Labor <u>Must be included for all towers heights</u> | Geotechnical Report Costs | Grounding of Tower Base & WG Ladder | Monopole Installation Costs Labor Only | Standard Safety Climb Cable Device includes harness, sleeve + Top & Bottom Stops + Install Labor | Rose Safety Climb Rail Device includes sleeve + Top & Bottom Stops + Install Labor | Total \$ |
|--|---------------------|--|--|--|------------------------------|---|---|---|--|-------------|
| | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | |
| 1. 20 ft | HVY_MP20 | 15007.00 | 1024.00 | 10143.00 | 6000.00 | By Others | 12318.00 | 669.00 | N/A | \$45161.00 |
| 2. 40 ft | HVY_MP40 | 18034.00 | 1058.00 | 10143.00 | 6000.00 | By Others | 12539.00 | 727.00 | N/A | \$48501.00 |
| 3. 60 ft | HVY_MP60 | 20614.00 | 1093.00 | 10143.00 | 6000.00 | By Others | 13045.00 | 785.00 | N/A | \$51680.00 |
| 4. 80 ft | HVY_MP80 | 24604.00 | 1127.00 | 10143.00 | 6000.00 | By Others | 13530.00 | 842.00 | N/A | \$56246.00 |
| 5. 100 ft | HVY_MP100 | 27884.00 | 1161.00 | 10143.00 | 6000.00 | By Others | 13773.00 | 900.00 | N/A | \$59861.00 |
| 6. 120 ft | HVY_MP120 | 33614.00 | 1196.00 | 10293.00 | 6000.00 | By Others | 14258.00 | 914.00 | N/A | \$66275.00 |
| 7. 140 ft | HVY_MP140 | 39334.00 | 1230.00 | 10293.00 | 6000.00 | By Others | 17848.00 | 972.00 | N/A | \$75677.00 |
| 8. 160 ft | HVY_MP160 | 53954.00 | 1265.00 | 10293.00 | 6000.00 | By Others | 18212.00 | 1029.00 | N/A | \$90753.00 |
| 9. 180 ft | HVY_MP180 | 61064.00 | 1299.00 | 10293.00 | 6000.00 | By Others | 18706.00 | 1087.00 | N/A | \$98449.00 |
| 10. 200 ft | HVY_MP200 | 71874.00 | 1333.00 | 10293.00 | 6000.00 | By Others | 20646.00 | 1145.00 | N/A | \$111291.00 |
| 11. 220 ft | | | | | | | | | | |
| 12. 240 ft | | | | | | | | | | |
| 13. 260 ft | | | | | | | | | | |
| 14. 280 ft | | | | | | | | | | |
| 15. 300 ft | | | | | | | | | | |

Provide price offer to make changes to existing towers. This should labor rates and cost for materials.

PRICE SHEET TABLE
SOLICITATION FOR NEW PRICING
CONTRACT NO. 02702
TITLE: PUBLIC SAFETY COMMUNICATION EQUIPMENT
CAMERA POLES




Separate pricing sheet must be submitted for each type of structure

300 Foot Self-Support tower to **be priced by 20 foot sections exclusively, from elevation down from top, ft.** including Waveguide Bridge and all linear and discrete tower appurtenances, i.e., antenna tower mounts, working, rest & walking platforms, climbing ladders and vertical waveguide ladders.

| Tower in 20 ft Section, top down Line Item | Mfg stock number | Pole Costs Material & Freight Only | Elbow | Obstruction Lighting System Medium Intensity Material & Labor <u>Must be included for all towers heights</u> | Geotechnical Report Costs | Grounding of Tower Base & WG Ladder | Tower Installation Costs Labor Only | Standard Safety Climb Cable Device includes harness, sleeve + Top & Bottom Stops + Install Labor | Rose Safety Climb Rail Device includes sleeve + Top & Bottom Stops + Install Labor | Total \$ |
|--|---------------------|--|---------|--|------------------------------|---|--|---|--|----------|
| | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | |
| 1. 15 ft | CP-15 | 1310.00 | 985.00 | N/A | N/A | N/A | N/A | N/A | N/A | 2295.00 |
| 2. 20 ft | CP-20 | 1385.00 | 985.00 | N/A | N/A | N/A | N/A | N/A | N/A | 2370.00 |
| 3. 30 ft | CP-30 | 3371.00 | 1300.00 | N/A | N/A | N/A | N/A | N/A | N/A | 4671.00 |
| 4. 40 ft | CP-40 | 4285.00 | 1300.00 | N/A | N/A | N/A | N/A | N/A | N/A | 5585.00 |
| 5. 50 ft | CP-50 | 5936.00 | 1300.00 | N/A | N/A | N/A | N/A | N/A | N/A | 7236.00 |
| | | | | | | | | | | |

Provide price offer to make changes to existing towers. This should labor rates and cost for materials.

REV G SPECIFICATIONS
VALMONT

| | |
|--|--|
| | |
| MICROWAVE TOWERS CAMERA POLES MONOPOLES OPTIONAL LIGHTING |  Camera pole Price Form 2009.doc |
| REV G CATEGORIES |  G:\Purchasing & Contracts\Contracts\ |
| MONOPOLES |  Valmont Monopoles.xls |

CONTRACTOR INFORMATION

Contractor: **Vertex Standard USA**

(Received award for Phase I)

Contact: John Benevento Rachael Pasdo
Western Region Sales
Mgr.

Phone: (408) 202-9500 (224) 306-4131

Fax:

Email: John.Benevento@vertexstandard.com

Rachael.pasdo@vertexstandard.com

Internet address: <http://www.vertexstandard.com>

Product catalog address: <http://www.ga.wa.gov/pca/contract/02702-Vertex-Radio-092804.pdf>

Federal ID No.: 95-2815202

Supplier No.: W1063

Total Contract worth: \$500,000 (estimate based on 2012 sales)

Payment address: Vertex Standard LMR, Inc
1301 Algonquin RD.
Schaumburg, IL 60693-0622

Order placement address: See dealer list or Vertex Standard LMR, Inc.
1301 E. Algonquin Rd.
Schaumburg, IL 60196

Customer Service: Victoria Taylor

Telephone: 800-283-7839

Fax: 847-761-4932

Ordering procedures: Contact Customer Service

Credit card acceptance: Visa, MasterCard, American Express

Minimum orders: None

Delivery time: 30 days After Receipt of Order (ARO)

Payment terms: Net 30 Days

Shipping destination: Freight on Board (FOB) destination

Freight: Prepaid and included

Palletization: N/A

Category: Category 1, Radio Equipment

**Equipment Line
items:**

Awarded Phase(s) Phase I

**Link to Price
Sheets**



SALES CONTACTS

Western Region

John Benevento, West Regional Sales Manager
Vertex Standard
1301 E. Algonquin Rd
Schaumburg, IL 60196
Cell (408) 202-9500
john.benevento@vertexstandard.com


Central Region

Joe Tee, Central Regional Sales Manager
Vertex Standard
1301 E. Algonquin Road
Schaumburg, Illinois 60196
Phone: (847) 576-2643
Cell: (847) 812-0333
E-mail: joe.tee@vertexstandard.com

Eastern Region

Ralph Orta, Eastern Regional Sales Manager
Eastern Government Accounts
Vertex Standard
156 Victoria Ave.
Paramus, New Jersey 07652
Phone: (201) 995-3989
E-mail: ralph.orta@vertexstandard.com

AUTHORIZED DEALER LISTS

| | | | | |
|---|---|--|---|---|
|  Oregon Dealers 2010.doc |  California Dealers 2014.doc |  Arizona Dealers 2013.doc |  Colorado Dealers 2013.doc |  Iowa Dealers 2010.doc |
|  New Jersey Dealer 2013.doc |  Hawaii Dealer.doc |  Utah Dealers 2013.doc |  Nevada Dealers 2010.doc |  Washington Dealers 2014.doc |
|  South Dakota Dealers 2010.doc |  Missouri Dealers 2010.doc |  Wisconsin Dealers 2010.doc |  Florida Dealers 2014.doc |  Delaware Dealers 2013.doc |

| | Description | Qty | Unit | Percentage off Mfg List Price |
|-----|--|----------------------------|----------------|----------------------------------|
| 1. | Base Station | 1-4 5-10 11+ | EA EA EA | 28% 28% 28% |
| 2. | Repeater | 1-4 5-10 11+ | EA EA EA | 28% 28% 28% |
| 3. | Portable Radio | 1-49 50+ | EA EA | 28% 28% |
| 4. | Mobile Radio | 1-20 21- 100 101+ | EA EA EA | 28% 28% 28% |
| 5. | Desktop | 1-20 21- 100 101+ | EA EA EA | 28% 28% 28% |
| 6. | Support Services | 1 | HR | \$75.00 |
| 7. | Installation Services | 1 | HR | \$75.00 |
| 8. | Repair Services | 1 | HR | \$75.00 |
| 9. | Accessories | | EA | 28% |
| 10. | List other Equipment All products on our enclosed retail price list | | EA | 28% |
| 11. | List other Equipment | | EA | |
| 12. | List other Equipment | | EA | |

PERFORMANCE REPORT FOR CONTRACTOR PRODUCT/SERVICE

Complete this form to report problems with suppliers or to report unsatisfactory product or services. You are also encouraged to report superior performance. Agency personnel should contact suppliers in an effort to resolve problems themselves prior to completion and submission of this report.

Contract number and title: [WSCA Public Safety Communication Contract](#)

Department of Enterprise Services, Master Contracts & Consulting PERFORMANCE REPORT

To MCC Customers:

Please take a moment to let us know how our services have measured up to your expectations on this contract. Please copy this form locally as needed and forward to the Master Contracts & Consulting, State Procurement Officer. For any comments marked unacceptable, please explain in remarks block.

| Procurement services provided: | Excellent | Good | Acceptable | Unacceptable |
|--|--------------------------|--------------------------|--------------------------|--------------------------|
| ➤ Timeliness of contract actions | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| ➤ Professionalism and courtesy of staff | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| ➤ Services provided met customer needs | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| ➤ Knowledge of procurement rules and regulations | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| ➤ Responsiveness/problem resolution | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| ➤ Timely and effective communications | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Comments: _____

| | |
|--|--------------------|
| Agency: _____ | Prepared by: _____ |
| Contract No.: <u>02702</u> | Title: _____ |
| Contract Title: <u>Public Safety Communication</u> | Date: _____ |
| <u>Equipment</u> | Phone: _____ |

Send to: State Procurement Officer
State of Washington, Department of Enterprise Services
Master Contracts and Consulting Division
PO Box 41411
Olympia, Washington 98504-1411

PRODUCT/SERVICE PERFORMANCE REPORT

Complete this form to report problems with suppliers or to report unsatisfactory product or services. You are also encouraged to report superior performance. Agency personnel should contact suppliers in an effort to resolve problems themselves prior to completion and submission of this report.



Contract number and title: Public Safety Communication Equipment, WSCA #02702

Please return the above form when completed to:

To: Robert Paulson, Jr., C.P.M.
Contracts Specialist
State of Washington, Department of Enterprise Services
Master Contracts and Consulting Division
PO Box 41411
Olympia, Washington 98504-1411