

CONTRACT SUPPLEMENT  
SP-37 Rev. 4/26/12  
Prev. Rev. 7/08

# STATE OF CONNECTICUT

DEPARTMENT OF ADMINISTRATIVE SERVICES

PROCUREMENT DIVISION

165 Capitol Avenue, 5<sup>th</sup> Floor South  
HARTFORD, CT 06106-1659

Kris H. Wohlgemuth  
Contract Specialist

(860)713-5606  
Telephone Number

CONTRACT AWARD NO.:	10ITZ0018
Contract Award Date:	
Bid Due Date:	
SUPPLEMENT DATE:	25 June 2012

## CONTRACT AWARD SUPPLEMENT #8

**IMPORTANT: THIS IS NOT A PURCHASE ORDER. Do NOT PRODUCE OR SHIP WITHOUT AN AGENCY PURCHASE ORDER.**

DESCRIPTION: Two-Way Radio Communication Equipment and Service

FOR: All Using Agency; Political Sub-divisions and Not for Profit.

TERM OF CONTRACT / DELIVERY DATE REQUIRED:  
August 3, 2010 through August 2, 2014

AGENCY REQUISITION NUMBER:

CHANGE TO IN STATE (NON-SB) CONTRACT VALUE	CHANGE TO DAS-CERTIFIED SMALL BUSINESS CONTRACT VALUE	CHANGE TO OUT OF STATE CONTRACT VALUE	CHANGE TO TOTAL CONTRACT AWARD VALUE
-	-	-	-

**NOTICE TO CONTRACTORS:** This notice is not an order to ship. Purchase Orders against contracts will be furnished by the using agency or agencies on whose behalf the contract is made.

INVOICE SHALL BE RENDERED DIRECT TO THE ORDERING AGENCY.

**NOTE:** Dollar amounts listed next to each contractor are possible award amounts, however, they do not reflect any expected purchase amounts (actual or implied). They are for CHRO use only.

**NOTICE TO AGENCIES:** A complete explanatory report shall be furnished promptly to the Procurement Manager concerning items delivered and/or services rendered on orders placed against awards listed herein which are found not to comply with the specifications or which are otherwise unsatisfactory from the agency's viewpoint, as well as failure of the contractor to deliver within a reasonable period of time specified. Please issue orders and process invoices promptly.

**CASH DISCOUNTS:** Cash discounts, if any, shall be given SPECIAL ATTENTION, but such cash discount shall not be taken unless payment is made within the discount period.

**PRICE BASIS:** Unless otherwise noted, prices include delivery and transportation charges fully prepaid f.o.b. agency. No extra charge is to be made for packing or packages.

### CONTRACTOR INFORMATION:

REFER TO THE CONTRACT ON THE DAS PROCUREMENT WEB PAGE FOR THE MOST CURRENT CONTRACTOR INFORMATION. (<http://das.ct.gov/mp1.aspx?page=8>)

Company Name: EF Johnson Technologies, Inc.

Company Address: 1440 Corporate Drive, Irving TX 75038

Tel. No.: (214)277-4957

Fax No.: (972) 819-0851

Contract Value: \$50,000

Contact Person: Tammie Mischke

Delivery:

Company E-mail Address and/or Company Web Site: [tmischke@efjohnson.com](mailto:tmischke@efjohnson.com)

Certification Type (SBE, MBE or None): N/A

Agrees to Supply Political SubDivisions: Yes

Terms: Net 45 Days

Cash Discount: % Days

**Updating catalog and adding additional radios.**

**Pricing percentage discounted to 20% for all mobiles, portables and accessories.**

**NOTE:** All terms and conditions not otherwise affected by this supplement remain unchanged and in full force and effect.

APPROVED

KRIS H. WOHLGEMUTH

Contract Specialist

(Original Signature on Document in Procurement Files)



EFJohnson's Viking™ Solution portfolio offers products catering to mission critical communication systems. Viking P25 subscribers offer a broad set of capabilities to fully meet the communication needs of our customer networks with interoperability, reliability, and maximum flexibility.

# 51SLES

7/800 MHz | VHF | UHF

Durable and interoperable P25 portable radio for public safety, featuring the AMBE+2 vocoder which provides loud and clear digital audio.



## RUGGED & RELIABLE

- Lightweight aluminum casting & polycarbonate housing is strong and has optional immersion rating
- Meets applicable MIL Standard 810C, D, E, and F specs
- FM intrinsically safe

## P25 COMPLIANT

- Supports P25 CAI (Common Air Interface)
- Trunked and conventional system protocols
- Over-the-Air rekeying (OTAR) functionality

## ACCESSORY SUITE

- Complete line of accessories including speaker mics, cases, batteries, and chargers

## FLEXIBLE

- Compatible with Motorola® System v 7.x and Motorola Astro®
- SMARTNET® II/SmartZone® interoperability
- Up to 512 talkgroups
- Supports narrowband (12.5 kHz) & wideband (25 kHz) channel spacing with multiple system protocols
- MDC-1200 and GE-Star signaling
- Over-the-Air programming (OTAP) option enables you to program radios in the field
- Industry-standard encryption capabilities such as AES, DES-OFB, and DES
- Easy radio programming & feature updating with EFJohnson's PC Configure™ software



MADE IN U.S.A.

[www.efjohnson.com](http://www.efjohnson.com)

**EFJohnson**  
TECHNOLOGIES

# TYPICAL PERFORMANCE SPECIFICATIONS

# 51SLES 7/800 MHz | UHF | VHF

GENERAL	700/800	VHF	UHF R1	UHF R2
Frequency Range	762-806 MHz 806-870 MHz	136-174 MHz	380-470 MHz	450-512 MHz
Channel Spacing	12.5 kHz, 25 kHz			
Max Freq. Separation	Full Bandsplit			
FCC Type Acceptance Certification	ATH2425171	ATH2425111	ATH2425131	ATH2425141
Canada Type Certification	IC-933B-2425171	IC-933B-2425112	IC-933B-2425131	IC-933B-2425141
FCC Emissions Designators	11K0F3E, 16K0F3E, 14K0F3E, 8K10F1E, 8K10F1D	16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D	16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D	16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D
Input Voltage	7.2 V			
Dimensions (w/o antenna) HxWxD	6.7" x 2.52" x 1.8" (6.4 cm x 17.0 cm x 4.6 cm)			
Weight (w/o standard battery)	11 oz. (312 g)			
Case	Polycarbonate-black   Immersion rated option available for all housings			
Temperature Range	-30°C to +60°C			
Vocoder	AMBE+2			

Transmitter	700/800	VHF	UHF R1	UHF R2
RF Power Output	2.5/1 W (700 MHz) 3/1 W (800 MHz)	5/1 W	4/1 W	4/1 W
Frequency Stability (-30°C to +60°C)	±1.5 ppm			
Modulation Limiting 25 kHz Channels	±5 kHz			
Modulation Limiting 12.5 kHz Channels	±2.5 kHz			
Emissions (Conducted/Radiated)	-75 dBc			
Audio Response	+1, -3 dB			
FM Hum and Noise 25 kHz Channels	-40 dB		-45 dB	
FM Hum and Noise 12.5 kHz Channels	-35 dB		-40 dB	
Audio Distortion	2%			

Receiver	700/800	VHF	UHF R1	UHF R2
Audio Power Output	500 mW			
Frequency Stability (-30°C to +60°C)	±1.5 ppm			
Analog Mode Sensitivity: 12 dB SINAD	0.25 uV (-119 dBm)			
Digital Mode Sensitivity: 5% BER	0.25 uV (-119 dBm)			
Selectivity: 25 kHz Channels	-75 dB			
Selectivity: 12.5 kHz Channels	-63 dB			
Intermodulation	-75 dB			
Spurious & Image Rejection	-75 dB			
FM Hum and Noise 25 kHz Channels	-40 dB			
FM Hum and Noise 12.5 kHz Channels	-35 dB			
Audio Distortion	2%			

Battery	Dimensions (HxWxD)	Weight	Approx. Life (5/5/90)
Extra-High Capacity NiMH	6.0" x 2.3" x 0.85"	12.96 oz	UHF/VHF: Minimum 10 hours 700/800 MHz: Minimum 12 hours
Extra-High Capacity NiMH, IS	6.0" x 2.3" x 0.85"	12.96 oz	UHF/VHF: Minimum 10 hours 700/800 MHz: Minimum 12 hours
Alkaline Battery Clamshell	7.2" x 2.6" x 2.0"	15.68 oz w/12 AA Battery	14-16 hours
High Capacity Lithium Ion	6.5" x 2.3" x .78"	8.1 oz	12 hours

Specifications are measured per TIA 102.CAA-8, TIA 102.CAAB-8 and per TIA 603-C. All EFJohnson radios are made in the U.S.A.

All specifications are subject to change without notice. 4.19.12 © Copyright 2012 EFJohnson

1440 Corporate Drive, Irving, TX 75038-2401 • www.efjohnson.com  
Phone: 972.819.0700 • Toll Free: 1.800.328.3911 • Fax: 972.819.2307

**EFJohnson**  
TECHNOLOGIES

## Environmental Specifications



Environment	Mil Spec	810F
	M	P
Low Pressure	500.4	II
High Temp.	501.4	I, II
Low Temp.	502.4	I, II
Temp. Shock	503.4	I
Solar Radiation	505.4	I
Rain/Blown Rain	506.4	I, III
Humidity	507.4	NA
Salt Fog	509.4	NA
Dust and Sand	510.4	I
Vibration	514.5	I(24)
Shock	516.5	I, IV
Immersion*	512.4	I

M=Method, P=Procedure, \*-Optional  
Also meets equivalent superseded C, D and E standards.



## Encryption Options

Supported Encryption	AES, DES, DES-OFB
Encryption Key/Radio	64 Common Key Reference (CKR), 64 Physical Identifier (PID), Compatible w/ Motorola Key Variable Loader
Encryption Frame Re-sync Interval	P25 CAI 360 MSEC
Encryption Keying	External Key Loader, OTAR
Synchronization	CFB-Cipher Feedback OFB-Output Feedback
Vector Generator	National Institute of Standards and Technology (NIST) Approved random number generator
Encryption Type	Digital
Key Erasure	Keyboard Command
Code Key Initialization	Internal Pseudorandom Generator
Standards	FIPS 46-3, FIPS 81, FIPS 140-2, FIPS 197



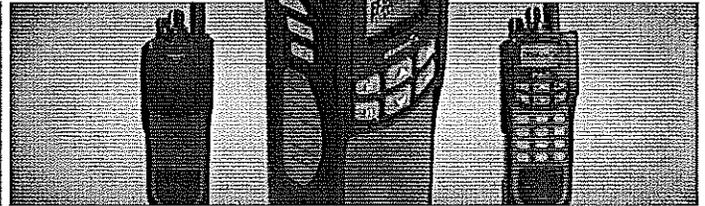
## Factory Mutual Approvals

Intrinsically Safe		C. Ethylene D. Propane and Methane
Class I/Class II	Division 1 An area where there is or could be an explosive atmosphere most of the time in normal conditions.	E. Conductive metal F. Carbonaceous material coal, coke dust G. Grain dust and flour
Class III	Division 1 Location in which easily ignitable fibers or materials producing combustible flyings are handled, manufactured, or used.	Ignitable fibers or flyings
Non-Incendive		
Class I	Division 2 An area where an explosive atmosphere exists only as a result of a fault.	A. Acetylene B. Hydrogen C. Ethylene D. Propane and Methane



EF Johnson's Viking™ Solution portfolio offers products catering to mission critical communication systems. Viking P25 subscribers offer a broad set of capabilities to fully meet the communication needs of our customer networks with interoperability, reliability, and maximum flexibility.

# 51SLES Price List



To Make a Model String.... select radio and options, enter numbers in boxes (*worksheet on last page*)

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<input style="width: 20px; height: 20px;" type="text"/>						
<input style="width: 20px; height: 20px;" type="text"/>						
<input style="width: 20px; height: 20px;" type="text"/>						
Portable 4-Digit Model #	Antenna #	Battery #	Housing #	Protocol #	System Option #	Enter up to Four 2-Digit Software Control Options in Numerical Order. List Only Requested Options.

## 1 Select One Portable Base Model (*either standard or intrinsically safe*)

### Standard Model

	List Price
521A VHF, 136-174 MHz, 5W, Model I .....	\$ 925
521B VHF, 136-174 MHz, 5W, Model II .....	1,250
521C VHF, 136-174 MHz, 5W, Model III .....	1,400
522A UHF, 380-470 MHz, 4W, Model I .....	925
522B UHF, 380-470 MHz, 4W, Model II .....	1,250
522C UHF, 380-470 MHz, 4W, Model III .....	1,400
527A 700/800 MHz, 762-806 MHz, 2.5W, and 806-870 MHz, 3W, Model I .....	925
527B 700/800 MHz, 762-806 MHz, 2.5W, and 806-870 MHz, 3W, Model II .....	1,250
527C 700/800 MHz, 762-806 MHz, 2.5W, and 806-870 MHz, 3W, Model III .....	1,400

### Intrinsically Safe Model

521D VHF, 136-174 MHz, 5W, Model I .....	\$ 975
521E VHF, 136-174 MHz, 5W, Model II .....	1,300
521F VHF, 136-174 MHz, 5W, Model III .....	1,450
522D UHF, 380-470 MHz, 4W, Model I .....	975
522E UHF, 380-470 MHz, 4W, Model II .....	1,300
522F UHF, 380-470 MHz, 4W, Model III .....	1,450
527D 700/800 MHz, 762-806 MHz, 2.5W, and 806-870 MHz, 3W, Model I .....	975
527E 700/800 MHz, 762-806 MHz, 2.5W, and 806-870 MHz, 3W, Model II .....	1,300
527F 700/800 MHz, 762-806 MHz, 2.5W, and 806-870 MHz, 3W, Model III .....	1,450

# 51SL ES Price List *cont.*

## 2 Select an Antenna

0	No Antenna (credit) .....	\$ - 15
1	VHF, 136-151 MHz Helical, yellow core (Federal).....	N/C
2	VHF, 151-162 MHz Helical, black core (Public Safety) .....	N/C
3	VHF, 162-174 MHz Helical, blue core (Business & Industrial).....	N/C
4	UHF, 380-520 MHz, 1/4 Wave, white core.....	N/C
6	VHF, 136-174 MHz Dipole, red core (VHF Wideband) .....	15
7	800 MHz, 1/2 Wave, red core .....	N/C
8	700/800 MHz, 1/2 Wave, green core .....	N/C
9	700/800 MHz, 1/4 Wave, white core .....	N/C

## 3 Select a Battery

0	No Battery (credit) .....	\$ - 40
3	NIMH, Extra-High Capacity Battery Pack, Immersion .....	N/C
4	Li-Ion Ultra-High Capacity Battery Pack, Immersion .....	35
7	NIMH, Extra-High Capacity Battery Pack, I/S and Immersion .....	N/C

## 4 Select a Housing

0	Black Housing .....	\$ N/C
3	Black Housing - Immersion Rated .....	100

## 5 Select the Protocol

1	Analog FM .....	\$150
2	Digital/Project 25 CAI AMBE+2 with Free Single-Key DES-OFB (includes protocol option 1).....	200

## 6 Select the System Option

0	Conventional System .....	\$ 350
1	SMARTNET® II Trunking (includes system option 0).....	575
2	SmartZone® Trunking (includes system options 0 & 1).....	650
3	SmartZone® Trunking and Project 25 Trunking (includes system options 0, 1 & 2) .....	700
4	Project 25 Only Trunking (includes system option 0) .....	475

# 51SL ES Price List *cont.*

## Select Optional Software Control Features *(may select up to four options)*

### Channels/Talkgroups *(choose one)*

80	48 Channels/Talkgroups (standard with Model I) .....	\$ N/C
82	512 Channels/Talkgroups (standard with Models II & III) .....	N/C

### Encryption *(optional, choose one)*

05	AES Encryption (multi-key) .....	\$ 475
06	DES/DES-OFB Encryption (multi-key) .....	550

### Programming & Data

11	Project 25 OTAR Conventional & Trunking .....	\$ 750
13	Project 25 Data Conventional .....	140
14	Project 25 Data Trunking (includes conventional data; requires system option 3 or 5) .....	200
31	Hardware System Key Only .....	N/C
50	Zone Fail-Site Lock (requires system option 2 or 3) .....	165
60	MDC1200/GE-Star Signaling .....	50
70	Over-the-Air-Programming (OTAP) .....	200

51SL ES SAMPLE PRICE LIST

# 51SL ES Price List *cont.*

Enter & add prices here

<b>Portable Base Model</b>	\$
----------------------------	----

<b>Antenna</b>	\$
----------------	----

<b>Battery</b>	\$
----------------	----

<b>Housing</b>	\$
----------------	----

<b>Protocol</b>	\$
-----------------	----

<b>System Option</b>	\$
----------------------	----

<b>Software Options</b>	\$
-------------------------	----

①	②	③	④	⑤	⑥	⑦
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Portable 4-Digit Model #	Antenna #	Battery #	Housing #	Protocol #	System Options #	Enter up to Four 2-Digit Software Control Options in Numerical Order. List Only Requested Options.

## ③ Enter Prices & Total

51SL ES Series Portable Radio Model, Antenna, Battery, Housing, Protocol, and System Option Price	\$
---	----

Total of Software Control Option Prices (up to four) <i>Volume pricing may be available. Contact your account manager for information.</i>	\$
--	----

<b>TOTAL PRICE</b>	\$
--------------------	----

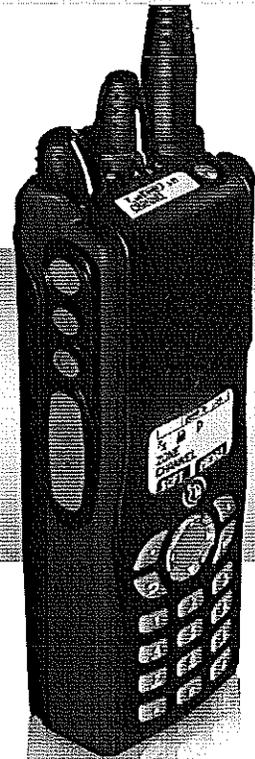


EFJohnson's Viking™ portfolio offers products catering to mission critical communication systems. Viking P25 subscribers offer a broad set of capabilities to fully meet the communication needs of our customer networks with interoperability, reliability, and maximum flexibility.

# Viking™ VP600

7/800 MHz

With a top display and 1 Watt rated audio, the VP600 portable offers enhanced visual and audio features that make first responder communications effortless.



*Designed for outstanding mission critical performance, ruggedness, and reliability, the Viking VP600 is the next generation of EFJohnson's portable radio. The Viking VP600 is a P25 Phase 2 capable radio equipped with industry leading audio, display, and advanced feature capabilities that meet the needs of police, fire, EMS and other mission critical users.*

## EASY TO OPERATE

- Top display maximizes viewing while in hip holster
- Backlit displays with controllable settings to increase visibility in all lighting conditions
- Backlit keypad
- Equipped with multiple visual indicators including battery level and signal strength to check status at a glance
- Ergonomic knobs for easier operation with gloves

## RUGGED & RELIABLE

- Meets applicable MIL Standard 810 G specs
- Immersion rating (IP67) on all radios  
(waterproof in 1 meter of water up to 30 minutes)

## SUPERIOR AUDIO QUALITY

- High performance speaker provides 1W rated audio for loud and clear sound across various noise environments
- State of the art AMBE+2 version 1.6 vocoder using TIA's latest standards

## P25 COMPLIANT

- Supports P25 CAI (Common Air Interface)
- Trunked and conventional system protocols
- Over-the-Air rekeying (OTAR) functionality

## FLEXIBLE

- A future proof investment with P25 Phase 2 capability
- Programmable soft keys and menu
- Up to 1024 channels
- Text messaging for P25 Conventional
- Supports narrowband (12.5 kHz) & wideband (25 kHz) channel spacing with multiple system protocols
- Industry-standard encryption capabilities such as AES and DES-OFB
- Voice announcement\*
- Armada™ programming software provides ultimate operator flexibility and configurability in managing radio fleet

## MULTI-PROTOCOL/MULTI-MODE CAPABILITY

- Compatible with Motorola® System v 7.x, Motorola Astro® and SMARTNET® II/SmartZone®
- MDC-1200 and GE-Star signaling

## ACCESSORY SUITE

- Complete line of accessories including speaker mics, cases, batteries, antennas, and chargers
- Viking is compatible with ES series accessories

*\*Future availability*



**MADE IN U.S.A.**

[www.efjohnson.com](http://www.efjohnson.com)

**EFJohnson**  
TECHNOLOGIES

# TYPICAL PERFORMANCE SPECIFICATIONS

# Viking VP600 7/800 MHz

GENERAL		700/800
Frequency Range		763-806 MHz 806-870 MHz
Channel Spacing		12.5 kHz, 25 kHz
Max Freq. Separation		Full Bandsplit
FCC Type Acceptance Certification		ATH2425770
Canada Type Certification		IC: 9338-2425770
FCC Emissions Designators		16K0F3E, 14K0F3E, 11K0F3E, 8K10F1D, 8K10F1E
Input Voltage		7.4 V
Dimensions (w/o antenna) HxWxD		7.5" x 2.62" x 1.75"
Weight (w/o standard battery)		12.2 oz
Case		Polycarbonate-black
Temperature Range		-30° C to +60° C
Vocoder		AMBE+2 version 1.6

Transmitter		700/800
RF Power Output		2.5/3 W
Frequency Stability (-30°C to +60°C)		1.5 ppm
Modulation Limiting 25 kHz Channels		5 kHz
Modulation Limiting 12.5 kHz Channels		2.5 kHz
Emissions (Conducted/Radiated)		75 dBc
Audio Response		+1, -3 dB
FM Hum and Noise 25 kHz Channels		45 dB
FM Hum and Noise 12.5 kHz Channels		39 dB
Audio Distortion		3%

Receiver		700/800
Audio Power Output (Rated)		1 W
Frequency Stability (-30°C to +60°C)		1.5 ppm
Analog Mode Sensitivity: 12 dB SINAD		-119 dBm
Digital Mode Sensitivity: 5% BER		-119 dBm
Adjacent Channel Rejection: 25 kHz Channels		75 dB
Adjacent Channel Rejection: 12.5 kHz Channels		60 dB
Intermodulation		75 dB
Spurious & Image Rejection		80 dB
FM Hum and Noise 25 kHz Channels		40 dB
FM Hum and Noise 12.5 kHz Channels		34 dB
Audio Distortion		3%

Battery	Dimensions (HxWxD)	Weight	Approx. Life (5/5/90)
High Capacity Lithium Ion (3780 mA hours nominal)	6.5" x 2.3" x .78"	8.1 oz	12 hours

## Environmental Specifications



Environment	Mil Spec	810G
	M	P
Low Pressure	500.5	II
High Temp.	501.5	II
Low Temp.	502.5	II
Temp. Shock	503.5	I-D
Solar Radiation	505.5	I
Rain/Blown Rain	506.5	I
Humidity	507.5	I
Salt Fog	509.5	NA
Dust and Sand	510.5	I
Vibration	514.6	I
Shock	516.6	VI, V
Immersion	512.5	I

M=Method, P=Procedure  
Also meets equivalent superseded C, D, E, and F standards.  
Immersion meets IEC 529 IP67

## Encryption Options



Supported Encryption	AES, DES-OFB
Encryption Key/ Radio	126 Common Key Reference (CKR), 126 Physical Identifier (PID), Compatible w/ Motorola Key Variable Loader
Encryption Frame Re-sync Interval	P25 CAI 360 MSEC
Encryption Keying	External Key Loader, OTAR
Mode	OFB-Output Feedback
Encryption Type	Digital
Key Erasure	Keyboard Command
Standards	FIPS 46-3, FIPS 81, FIPS 140-2, FIPS 197

Specifications are measured per TIA 102.CAAA-C, TIA 102.CAAB-C and per TIA 603-D.  
All EFJohnson radios are made in the U.S.A.

All specifications are subject to change without notice.  
4.17.12 © Copyright 2012 EFJohnson

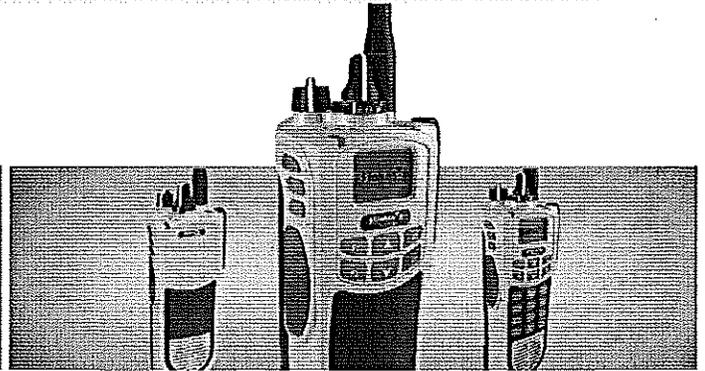
1440 Corporate Drive, Irving, TX 75038-2401 • www.efjohnson.com  
Phone: 972.819.0700 • Toll Free: 1.800.328.3911 • Fax: 972.819.2307

**EFJohnson**  
TECHNOLOGIES



EFJohnson's Viking™ Solution portfolio offers products catering to mission critical communication systems. Viking P25 subscribers offer a broad set of capabilities to fully meet the communication needs of our customer networks with interoperability, reliability, and maximum flexibility.

# 51FIRE ES Price List



To Make a Model String.... select radio and options, enter numbers in boxes (worksheet on last page)

1    
 2 3    
 4 5    
 6

— 
    — 
   —

Portable 4-Digit Model #    
 Antenna #    
 Battery #    
 Housing #    
 Protocol #    
 System Option #    
 Enter up to Four 2-Digit Software Control Options in Numerical Order, List Only Requested Options.

**Standard Features:**

- Bright Yellow Housing
- Immersion Rated Housing
- MDC1200 & GE-Star Signaling
- Factory Mutual Intrinsically Safe Rated
- Both Round & Blade Knobs Included

**1 Select One Portable Base Model**

Intrinsically Safe Model (standard for 51FIRE ES)	List Price
521D VHF, 136-174 MHz, 5W, Model I .....	\$1,250
521E VHF, 136-174 MHz, 5W, Model II .....	1,500
521F VHF, 136-174 MHz, 5W, Model III .....	1,725
522D UHF, 380-470 MHz, 4W, Model I .....	1,250
522E UHF, 380-470 MHz, 4W, Model II .....	1,500
522F UHF, 380-470 MHz, 4W, Model III .....	1,725
524D UHF, 450-512 MHz, 4W, Model I* .....	1,250
524E UHF, 450-512 MHz, 4W, Model II* .....	1,500
524F UHF, 450-512 MHz, 4W, Model III* .....	1,725
527D 700/800 MHz, 762-806 MHz, 2.5W, and 806-870 MHz, 3W, Model I .....	1,250
527E 700/800 MHz, 762-806 MHz, 2.5W, and 806-870 MHz, 3W, Model II .....	1,500
527F 700/800 MHz, 762-806 MHz, 2.5W, and 806-870 MHz, 3W, Model III .....	1,725

**2 Select an Antenna**

0 No Antenna (credit) .....	\$ - 15
1 VHF, 136-151 MHz Helical, yellow core (Federal) .....	N/C
2 VHF, 151-162 MHz Helical, black core (Public Safety) .....	N/C
3 VHF, 162-174 MHz Helical, blue core (Business & Industrial) .....	N/C
4 UHF, 380-520 MHz, 1/4 Wave, white core .....	N/C
6 VHF, 136-174 MHz Dipole, red core (VHF Wideband) .....	15
7 800 MHz, 1/2 Wave, red core .....	N/C
8 700/800 MHz, 1/2 Wave, green core .....	N/C
9 700/800 MHz, 1/4 Wave, white core .....	N/C

\*Call for availability

# 51 FIRE ES Price List *cont.*

## 3 Select a Battery

0	No Battery (credit) .....	\$ - 40
7	NiMH, Extra-High Capacity Battery Pack, 1/5 and Immersion .....	N/C

## 4 Select the Protocol

1	Analog FM .....	\$ N/C
2	Digital/Project 25 CAI AMBE+2 with Free Single-Key DES-OFB (includes protocol option 1) .....	200

## 5 Select the System Option

0	Conventional System .....	\$ 350
1	SMARTNET® II Trunking (includes system option 0) .....	575
2	SmartZone® Trunking (includes system options 0 & 1) .....	650
3	SmartZone® Trunking and Project 25 Trunking (includes system options 0, 1 & 2) .....	700
4	Project 25 Only Trunking (includes system option 0) .....	475

## 6 Select Optional Software Control Features *(may select up to four options)*

### Channels/Talkgroups *(choose one)*

80	48 Channels/Talkgroups .....	\$ N/C
81	256 Channels/Talkgroups .....	N/C
82	512 Channels/Talkgroups (standard) .....	N/C

### Encryption *(optional, choose one)*

05	AES Encryption (multi-key) .....	\$ 475
06	DES/DES-OFB Encryption (multi-key) .....	550

### Programming & Data

11	Project 25 OTAR Conventional & Trunking .....	\$ 750
13	Project 25 Data Conventional .....	140
14	Project 25 Data Trunking (includes conventional data; requires system option 3 or 5) .....	200
31	Hardware System Key Only .....	N/C
40	FIRESafe™ First Responder .....	250
41	FIRESafe™ First Command .....	350
50	Zone Fail-Site Lock (requires system option 2 or 3) .....	165
70	Over-the-Air-Programming (OTAP) .....	200

# 51FIRE ES Price List *cont.*

Enter & add prices here

<b>Portable Base Model</b>	\$
----------------------------	----

<b>Antenna</b>	\$
----------------	----

<b>Battery</b>	\$
----------------	----

<b>Protocol</b>	\$
-----------------	----

<b>System Option</b>	\$
----------------------	----

<b>Software Options</b>	\$
-------------------------	----

①	②	③	④	⑤	⑥
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Portable 4-Digit Model #	Antenna #	Battery #	Housing #	Protocol #	System Option #
Enter up to Four 2-Digit Software Control Options in Numerical Order. List Only Requested Options.					

## ③ Enter Prices & Total

51FIRE ES Series Portable Radio Model, Antenna, Battery, Housing, Protocol, and System Option Price	\$
---	----

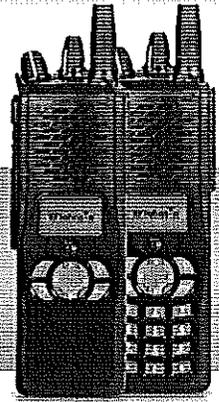
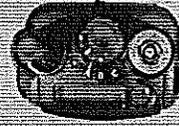
Total of Software Control Option Prices (up to four) <i>Volume pricing may be available. Contact your account manager for information.</i>	\$
--	----

<b>TOTAL PRICE</b>	\$
--------------------	----



EFJohnson's Viking™ Solution portfolio offers products catering to mission critical communication systems. Viking P25 subscribers offer a broad set of capabilities to fully meet the communication needs of our customer networks with interoperability, reliability, and maximum flexibility.

# Viking™ VP600 Price List



To Make a Model String.... select radio and options, enter numbers in boxes (worksheet on last page)

①	②	③	④	⑤	⑥
V P 6 3 3			3		
Portable 5-Digit Model #	Antenna #	Battery #	Housing #	Protocol #	System Option #
Enter up to Four 2-Digit Software Control Options in Numerical Order. List Only Requested Options.					

## ① Select One Portable Base Model

	List Price
VP632 700/800 MHz, 762-806 MHz, 2.5W, and 806-870 MHz, 3W, Model II .....	1,850
VP633 700/800 MHz, 762-806 MHz, 2.5W, and 806-870 MHz, 3W, Model III .....	2,100
VP612 VHF, 136-174 MHz, 5W, Model II .....	1,850
VP613 VHF, 136-174 MHz, 5W, Model III .....	2,100

## ② Select an Antenna

0 No Antenna (credit) .....	\$ - 15
1 VHF, 136-151 MHz .....	N/C
2 VHF, 151-162 MHz .....	N/C
3 VHF, 162-174 MHz .....	N/C
6 VHF, 136-174 MHz (VHF Wideband).....	15
7 800 MHz, 1/2 Wave, red core .....	N/C
8 700/800 MHz, 1/2 Wave, green core .....	N/C

## ③ Select a Battery

0 No Battery (credit) .....	\$ - 40
4 Li-Ion Ultra-High Capacity Battery Pack, Immersion .....	N/C

## ④ Select the Protocol

1 Analog FM .....	\$ N/C
2 Digital/Project 25 CAI AMBE+2 with Free Single-Key DES-OFB (includes protocol option 1).....	200

# Viking VP600 Price List *cont.*

## 5 Select the System Option

0	Conventional System .....	\$ 350
1	SMARTNET® II Trunking (includes system option 0) .....	625
2	SmartZone® Trunking (includes system options 0 & 1) .....	725
3	SmartZone® Trunking and Project 25 Trunking (includes system options 0, 1 & 2) .....	850
4	Project 25 Only Trunking (includes system option 0) .....	475

## 6 Select Optional Software Control Features *(may select up to four options)*

### Channels/Talkgroups *(choose one)*

84	1024 Channels/Talkgroups (standard) .....	N/C
----	---	-----

### Encryption *(optional, choose one)*

05	AES Encryption (multi-key) .....	\$ 475
06	DES/DES-OFB Encryption (multi-key) .....	550

### Programming & Data

11	Project 25 OTAR Conventional & Trunking .....	\$ 750
13	Project 25 Data Conventional .....	140
14	Project 25 Data Trunking (includes conventional data; requires system option 3 or 5) .....	200
50	Zone Fail-Site Lock (requires system option 2 or 3) .....	165
60	MDC1200/GE-Star Signaling .....	50

# Viking VP600 Price List *cont.*

Enter & add prices here

**Portable Base Model**

\$

**Antenna**

\$

**Battery**

\$

**Protocol**

\$

**System Option**

\$

**Software Options**

\$

①	②	③	④	⑤	⑥						
V	P	6	3	3							
Portable 5-Digit Model #					Antenna #	Battery #	Housing #	Protocol #	System Option #	Enter up to Four 2-Digit Software Control Options in Numerical Order. List Only Requested Options.	

## ③ Enter Prices & Total

Viking VP600 Portable Radio Model, Antenna, Battery, Housing, Protocol, and System Option Price

\$

Total of Software Control Option Prices (up to four) *Volume pricing may be available. Contact your account manager for information.*

\$

**TOTAL PRICE**

\$

CONTRACT SUPPLEMENT  
SP-37 Rev. 11/08

Purchasing Contact:  
Kris H. Wohlgemuth, AFAO

Telephone Number:  
(860) 622-2246

**STATE OF CONNECTICUT**  
**DEPARTMENT OF INFORMATION TECHNOLOGY**  
**CONTRACTS & PURCHASING DIVISION**  
101 EAST RIVER DRIVE, 4<sup>th</sup> Floor  
EAST HARTFORD, CT 06108-3274

Contract Award Number <b>10ITZ0018</b>
Contract Award Date <b>August 3, 2010</b>
SUPPLEMENT DATE <b>May 12, 2011</b>

**CONTRACT AWARD SUPPLEMENT # 4**

**IMPORTANT:** This is NOT a Purchase Order. Do NOT Produce or Ship without an Agency Purchase Order.

**COMMODITY CLASS/SUBCLASS & DESCRIPTION:**

**7000 - Two-Way Radio Communication Equipment & Services**

**FOR:** Department of Information Technology,  
Department of Emergency Management &  
Homeland Security (DEMHS), All Using State  
Agencies, Municipalities, Political  
Subdivisions, Non-Profits and Education  
101 East River Drive, East Hartford, CT 06108

**TERM OF CONTRACT:**

**4 Years from Date of Contract Award**

**NOTICE TO CONTRACTORS:** This Contract Award Supplement is not an order to ship. The using agency or agencies on whose behalf the contract is made will furnish purchase orders against contracts. Send invoices directly to the using/ordering agency per instructions on the purchase order.

**Supplement # 4 Changes / Updates the following:**

**Update EFJohnson Contact Information:**

Sales- Tammie Mischke 214-277-4957 tmischke@efjohnson.com

Sales Support-Juan Marquez 1-800-328-3911 Ext 2909

Technical Support 1-800-328-3911 Option 3

Place an order/check status 1-800-328-3911 Option 1

Repair Depot 1-800-328-3911 Option 4

EFJohnson Main Number 1-972-819-0700

**Date Issued: May 12, 2011**

**APPROVED**

**Jacqueline Shirley**  
**Director of Contracts & Purchasing Division**  
(Original Signature on Document in Procurement Files)

## Vendor Information, Installation Charges, Labor Rate, Programming Additional Channels and Services

<b>Company Name:</b> EF Johnson Company		<b>Vendor ID. #</b> 41-0736849	<b>Terms:</b> Net 45 Days			
<b>Address:</b> 1440 Corporate Dr, Irving TX 75038		<b>Delivery:</b> 4-8 Weeks ARO				
<b>Tel. No.:</b> ( 972 ) 819-0700	<b>Toll Free:</b> ( 800 ) 328-3911 Ext 1	<b>Fax No.:</b> ( 972 ) 819-0688				
<b>Contact Person:</b> Kip Wilson		<b>Agrees to Supply Political Sub-Divisions:</b> YES				
<b>Certification Type</b> (SBE, MBE, WBE or None): None		<b>Contract Value:</b> The State to fill in				
<b>Company E-mail Address:</b> Sales@efjohnson.com		<b>Company Website:</b> www.efjohnson.com				
<b>Pricing below are for all Portable, Mobile, Mobile Repeaters, Desktop Control Station, Base Station Radios and Base Station Repeaters</b>						
<b>Installation Charges</b> (ph- per hour / pv - per vehicle)	<b>Cars</b>	<b>Trucks</b>	<b>Work Trucks</b> (i.e. snow plows)	<b>Other</b> (i.e. Fire Truck/Ambulance)	<b>Desktop Control Station, Base Station and Base Station Reapters</b>	
Installation on Vendors Site	\$175 PH	\$175 PH	\$175PH	\$175PH	\$N/A	
Installation On-site (Contractor Users) 3 hour minimum charge	\$250 PH	\$250 PH	\$250 PH	\$250 PH	\$250 PH	
<b>Areas (Counties) for on site service</b>	All - Hartford, Fairfield, Litchfield, Middlesex, New Haven, New London, Tolland & Windham					
<b>Special Requirements/Instructions</b>						
<b>Labor Rates</b>			<b>Price - Per Hour</b>			
Carry- In Service			\$ 175.00	<b>Minimum 1 Hour</b>		
On-Site During normal work hours (M-F 8:00 AM 5:00 PM)			\$ 250.00	<b>Minimum 2 Hours</b>		
After Hours, weekends, and holidays ( minimum 4-hour call-out charge)			\$ 300.00	<b>Minimum 4 Hours</b>		
Emergency Service: 24 hours/days, 7day/week (with 3-hour response time on-site)			\$ 300.00	<b>Minimum 4 Hours</b>		
<b>* Emergency Service Phone #</b>	<b>(800)328-3911 Option 4</b>					
<b>Areas (Counties) for on-site service</b>			All - Hartford, Fairfield, Litchfield, Middlesex, New Haven, New London, Tolland & Windham			
<b>Special Requirements/Instructions</b>						
<b>Training</b>						
51SL and 53SL User Training			\$ 3,600.00	Up to 50 attendees. \$20/attendee after first 50. At user's facility.		
"Train the Trainer" for 51SL and 53SL User Training			\$ 3,600.00	Up to 10 attendees. \$50/attendee after first 10. At User's facility.		
<b>Programming Additional Channels</b>						
1 -32	Additional 32	Additional 64	Additional 96	Additional 128	Additional 160	Additional 192 +
Included	\$ 225.00	\$ 225.00	\$ 225.00	\$ 225.00	\$ 225.00	\$ 225.00
<b>Special Requirements/Instructions</b>						
<b>Description of Products and Services</b>				<b>Catalog Name and Date</b>		
Percentage Discount from Manufacturers Product Catalog and Price List of Products				12%	<b>Various-See EFJohnson Tab</b>	
Percentage Discount from Manufacturers Product Catalog & Price List of Maintenance & Support				N/A	N/A	
Hourly Rate(s) for Professional Services (e.g.: Design Services, Consulting, Network Modeling/Simulation/Performance Review)				\$ 300.00	N/A	
<b>Special Requirements/Instructions</b>						
<b>Counties:</b> Hartford, Fairfield, Litchfield, Middlesex, New Haven, New London, Tolland & Windhar						

