

**Exhibit A - Pricing Page  
ARFQ 0608 DCR240000084**

**JVC/Kenwood/EF Johnson - Portable Radios, Mobile Radios, Parts, & Accessories Catalog**

**Vendor Must enter Percentage Discount in this section for the Entire Catalog.  
Percentage Discount must be the same for each item in the category**

	Category		Discount Percentage off <i>entire</i> catalog
	Portable Handheld Radios		20.00%
	Mobile Radio		20.00%
	Accessories		20.00%
	Software		20.00%
	Repeaters/Amplifiers		20.00%
	Parts		20.00%

**Market Basket Items**

**The contract will be for ALL JVC Kenwood/EF Johnson items in their catalog whether listed below or not.**

Model Number	Item	Manufacturer	Category	Unit	Catalog Price	Discount %	Discounted Unit Price	Estimated Quantity	Item Total Cost
<b><i>Portable Radios</i></b>									
NX-300GK2	Radio 400-470MHz 5W, 14 characters Alphanumeric LCD	JVC Kenwood	Handheld Radio	Each	\$0.00	20.00%	\$0.00	100	\$0.00
TK-5320K2	Radio	JVC Kenwood	Handheld Radio	Each	\$0.00	20.00%	\$0.00	100	\$0.00

***Mobile Radios***

TK-5820K2	Mobile Radio	JVC Kenwood	Mobile Radio	Each	\$0.00	20.00%	\$0.00	100	\$0.00
VM7730BF-S	Slave Radio	EF Johnson	Mobile Radio	Each	\$1,380.00	20.00%	\$1,104.00	100	\$110,400.00
VM7830BF2-S	Slave Radio	EF Johnson	Mobile Radio	Each	\$1,380.00	20.00%	\$1,104.00	100	\$110,400.00
VP6330BKF6	Radio - Base Model, UHF, 380-470 MHz, Model 3 full keypad	EF Johnson	Mobile Radio	Each	\$3,145.00	20.00%	\$2,516.00	100	\$251,600.00

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	<i>Accessories</i>								
KSC-32	Battery Charger	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KSC-326AK	Battery Charger	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KRA-23M	Antenna	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KNB-48L	Battery	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KBH-11	Belt Clip	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KWD-YH20-NX	Housing Kit	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KWD-OH20-NX	Housing Kit	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KMC-41M	Speaker Microphone	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KEP-1	Earphone	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KCT-46	Cable	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KRK-10	Remote Mount Kit	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KRK-13	Dual Countrol Head Kit	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KMC-35	Mobile Microphone	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KPG-115	Cable	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KES-5	External Speaker	JVC Kenwood	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KNB-L3M	Battery	EF Johnson	Accessory	Each	\$218.70	20.00%	\$174.96	100	\$17,496.00
KNB-LS5	Battery	EF Johnson	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KSC-326K	Charger	EF Johnson	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KBH-11	Belt Clip	EF Johnson	Accessory	Each	\$17.80	20.00%	\$14.24	100	\$1,424.00
KMB-33M	Mounting Bracket	EF Johnson	Accessory	Each	\$17.20	20.00%	\$13.76	100	\$1,376.00
KCT-46	Ignition Sense Cable	EF Johnson	Accessory	Each	\$16.70	20.00%	\$13.36	100	\$1,336.00
KRK-17BF	Remote Kit	EF Johnson	Accessory	Each	\$170.00	20.00%	\$136.00	100	\$13,600.00
KCT-71M3	25' remote cable	EF Johnson	Accessory	Each	\$97.30	20.00%	\$77.84	100	\$7,784.00
KPG-46XM	Programming cable	EF Johnson	Accessory	Each	\$193.00	20.00%	\$154.40	100	\$15,440.00

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<b>Software</b>									
KWD-AE31K	AES & DES Encryption Module Multi-Key	JVC Kenwood	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KPG-150AP	NEXEDGE OTAP Manager Windows License for 10 radios	JVC Kenwood	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KWD-TR20	Trunking Option	JVC Kenwood	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KPG-112DNK	Windows Programming Software for TK-5*20 Series	JVC Kenwood	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KPG-129DNK	Repeater Programming Software	EF Johnson	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KPG-149RM	Nexedge Repeater Monitoring Software	EF Johnson	Software	Each	\$270.00	20.00%	\$216.00	100	\$21,600.00
905-0411	Kenwood MAX Pro Workstation Bundle	EF Johnson	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
930-0258	MAX Pro Software	EF Johnson	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
905-0522	Max Standard Workstation Bundle (without PC)	EF Johnson	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00

<b>Repeaters and Amplifiers</b>									
NXR-810K2	Repeater, Digital, UHF, 400-470MHz, 1-40W	EF Johnson	Repeater	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KSGPA23421	Base Station Amplifier 406-450MHz, 3W Input, 20-40W Output	EF Johnson	Amplifier	Each	\$2,475.00	20.00%	\$1,980.00	100	\$198,000.00

<b>Parts</b>									
R31-0666-15	Variable Resistor (VOL)	JVC Kenwood	Part	Each	\$0.00	20.00%	\$0.00	100	\$0.00
S60-0437-05	Rotary Switch (CH)	JVC Kenwood	Part	Each	\$0.00	20.00%	\$0.00	100	\$0.00

**Overall Total Cost**      **750,456.00**

<b>Vendor must complete the Pricing Page in full as failure to complete the Pricing Page in its entirety will result in Vendor's bid being Vendor should type or electronically enter the information into the Pricing Page to prevent errors in the evaluation.</b>
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<b>Vendor Information</b>
Vendor Name:
Contact:
Address
Phone:
Fax:
Email:

May 30, 2024

Mr. Herbert Mickey Skeens

West Virginia Department of Homeland Security

1900 Kanawha Blvd., E.

Building 1, Room W-400

Charleston, WV 25305

**Re: JVC/Kenwood/EFJohnson Catalog Contract (ARFQ 0608 DCR2400000084)**

Dear Mr. Skeens,

E.F. Johnson Company (EFJohnson), a wholly owned subsidiary of JVCKENWOOD Corporation (JVCKENWOOD), is pleased to submit our response to the West Virginia Statewide Contract Indefinite Delivery, Indefinite Quantity (IDIQ) Radio Communication Equipment and Accessories Solicitation Number: ARFQ 0608 DCR2400000084. Our focus is delivering the highest quality, most innovative, and cost-effective communications solutions for the public safety and enterprise markets. We are dedicated to building personalized long-term partnerships, ensuring customers receive the complete turnkey solution that works best for their communications needs and budget. For 100 years, we have been a driving force in the LMR industry, with a focus on delivering P25 solutions for first responders. Our customers demand flexibility; therefore, we eliminated the complexities that come with purchasing, deploying, operating, and maintaining mission-critical systems and radios so they can focus on what matters most—protecting and saving lives.


EFJohnson acknowledges the receipt of all issued IDIQ documents and addenda for Solicitation Number ARFQ 0608 DCR2400000084. Our enclosed response includes bidding information for the following products and services for your kind consideration and review to support the needs of the Division of Corrections and Rehabilitation:

- Brand 1: Radio, P25 - KENWOOD Viking® Subscribers
- Brand 2: ATLAS®
- Brand 3: Kairos®
- Brand 4: KENWOOD NEXEDGE®

Please note that the Pricing Sheet didn't allow us to mark discontinued items because it was protected. All EFJohnson model #s without a price are discontinued. However, we've also provided a document entitled "EFJohnson Discontinued Model\_ARFQ DCR2400000084 – Exhibit A – Pricing" to list replacement models as instructed in Addendum 1, questions 2 and 3.

We are committed to providing the services proposed for this statewide contract. We certify that all statements and information prepared and submitted in our response to this Solicitation are current, complete, and accurate and that our proposed solution meets all the requirements of this Solicitation. Should you have questions or require further correspondence, please contact our Contract Manager, John Daly, at 972-819-0225 or [john.daly@efji.com](mailto:john.daly@efji.com).

Sincerely,



Duane Anderson

CEO and President

972-819-2311

Attachments:

- 1: EFJohnson\_ARFQ DCR2400000084 – Exhibit A – Pricing Page
2. Viking\_List Price Guide\_03.01.2023
3. Nexedge\_List Price Guide\_05.02.2024
4. Kairos\_ATLAS\_List Price Guide\_05.02.2024

**SOLICITATION NUMBER:**  
**Addendum Number:**

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The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

**Applicable Addendum Category:**

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

**Description of Modification to Solicitation:**

**Additional Documentation:** Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

**Terms and Conditions:**

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

# ATTACHMENT A

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: \_\_\_\_\_**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input type="checkbox"/> Addendum No. 2            | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

\_\_\_\_\_  
E.F. Johnson Company

Company



\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
May 30, 2024

Date

**NOTE:** This addendum acknowledgment should be submitted with the bid to expedite document processing.

Revised 6/8/2012



**Addendum 1**  
**ARFQ 0608 – DCR2400000084**  
**JVC/Kenwood/EF Johnson – Portable Radios, Mobile Radios, Parts, & Accessories Catalog**

Vendor Questions and Agency Responses:

1. Exhibit A – Pricing Page: As two separate legal entities, should E.F. Johnson Company only submit pricing for the Manufacturer identification in column “C” as EF Johnson? Likewise, JVC Kenwood USA Corporation would respond only to Manufacturer identification in column “C” as JVC Kenwood?  
**A. Yes, that is correct. You would only enter a bid price on the items for your company.**
2. Exhibit A – Price Page: How should we respond to a Model Number in column “A if discontinued / no longer available?  
**A. If a product is No longer available, please mark as N/A, if a product is Discontinued, please mark as DC. For any new or alternative item please attach as a separate document with item description, item number, and cost per item.**
3. On Exhibit A – Pricing Page: There are fields in the product columns that are already filled out. Some of the items represented are discontinued or at end of life. Are we able to override these with current approved product and accessories?  
**A. Yes, see Agency response to question 2 above.**
4. On Exhibit A – Pricing Page contains another company (EF Johnson) which is an affiliated but completely separate company under the JVCKenwood umbrella. The questions is are we able to separate and fill out two different price catalogs for each of our submissions?  
**A. Yes, or you may use the one provided and only provide prices for the items that are listed for your company.**
5. In continuance of question 4 above, Would like to confirm that JVCKenwood USA Corporation and EF Johnson are able to respond and submit as separate entities?  
**A. Yes, both companies may submit a bid response.**
6. Would like to confirm the final bid submission date? On the Final ARQ 0608 DCR2400000084 version 1 the indicated date is 2024-05-31 1400. There have been instances in other agency solicitations where the use of the word “open” which is indicated on the document title ARFQ DCR2400000084 – Terms & Conditions in section 4A Bid Submission the instructions indicate Bid Opening Date: June 3, 2024 10:30am EST.  
**A. The bid closing date is 2024-05-31 @ 1400hrs EST. The bid opening date will not be until June 3, 2024 @ 10:30am EST.**

## **Addendum 1**

**ARFQ 0608 – DCR240000084**

### **JVC/Kenwood/EF Johnson – Portable Radios, Mobile Radios, Parts, & Accessories Catalog**

7. On the Specifications document there is an approved JVCKenwood listed radios but due to some internal questions would like to confirm that if our product is contained on the SIRN AEL list, are we still required to supply four samples of the Radio and its components?  
**A. No, for this solicitation you are not required to submit four samples.**
  
8. Our company endeavors to deliver orders as fast as possible as well as do our best to provide eta's to customers as soon as possible but due to instances of unforecasted, larger, quantity procurements, customer requests for in house modifications such as programming and unexpected/unforeseen supply chain possibilities, should we or are we able to express an exception to the 14 day delivery requirement?  
**A. Yes, we understand that due to current unexpected/unforeseen supply chain issues and other instances that may arise that the 14 day delivery requirement will be waived.**

## **INSTRUCTIONS TO VENDORS SUBMITTING BIDS**

**1. REVIEW DOCUMENTS THOROUGHLY:** The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

**2. MANDATORY TERMS:** The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

**2A. PREBID MEETING:** The item identified below shall apply to this Solicitation.

A pre-bid meeting will not be held prior to bid opening.

A Non-Mandatory PRE-BID meeting will be held at the following place and time:

A MANDATORY PRE-BID meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf. The required attribution of attendance to a single vendor should be addressed during the pre-bid but may occur at any time deemed appropriate by the Agency.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing. Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the Prebid will be permitted to sign in but are charged with knowing all matters discussed at the Prebid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

**3. VENDOR QUESTION DEADLINE:** Vendors may submit questions relating to this Solicitation to the Agency Contact. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted emails should have the solicitation number in the subject line.

Question Submission Deadline:

Submit Questions to:

Email:

**4. BID SUBMISSION:** All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Agency on or before the date and time of the bid opening. Any bid received by the Agency staff is considered to be in the possession of the Agency and will not be returned for any reason.

**4A. BID SUBMISSION**

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Agency.

SEALED BID:

BUYER:

SOLICITATION NUMBER:

BID OPENING DATE:

BID OPENING TIME:

FAX NUMBER:

**5. ADDENDUM ACKNOWLEDGEMENT:** Changes or revisions to this Solicitation will be made by an official addendum issued by the Agency. Vendors should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

**6. BID FORMATTING:** Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

**7. ALTERNATE MODEL OR BRAND:** Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

This Solicitation is based upon a standardized commodity. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.

**8. EXCEPTIONS AND CLARIFICATIONS:** The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

**9. REGISTRATION:** Prior to Contract award, the apparent successful Vendor must be properly registered with the Agency and must have paid the \$125 fee, if applicable.

**10. UNIT PRICE:** Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

**11. ELECTRONIC FILE ACCESS RESTRICTIONS:** Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Agency staff immediately upon bid opening. The Agency will consider any file that cannot be immediately access and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or removed access restrictions to allow the Agency to print or electronically save documents provided that those documents are viewable by the Agency prior to obtaining the password or removing the access restriction.

**12. NON-RESPONSIBLE:** The Director of Administrative Services reserves the right to reject the bid of any vendor as non-responsible, when the Director determines that the vendor submitting the bid does not have the capability to fully perform or lacks the integrity and reliability to assure good-faith performance.

**13. ACCEPTANCE/REJECTION:** The State may accept or reject any bid in whole, or in part.

**14. YOUR SUBMISSION IS A PUBLIC DOCUMENT:** Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, Freedom of Information Act in West Virginia Code §§ 29B-1-1 et seq.

**DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.**

Submission of any bid, proposal, or other document to the Agency constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Agency will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

## GENERAL TERMS AND CONDITIONS:

1. **CONTRACTUAL AGREEMENT:** Issuance of an Award Document signed by the Agency and approved as to form by the Attorney General's office, if required, constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.
2. **DEFINITIONS:** As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.
  - 2.1. **"Agency" or "Agencies"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.
  - 2.2. **"Bid" or "Proposal"** means the vendors submitted response to this solicitation.
  - 2.3. **"Contract"** means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.
  - 2.4. **"Director"** means the Director of the West Virginia Division of Administrative Services.
  - 2.5. **"Award Document"** means the document signed by the Agency that identifies the Vendor as the contract holder.
  - 2.6. **"Solicitation"** means the official notice of an opportunity to supply the State with goods or services.
  - 2.7. **"State"** means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.
  - 2.8. **"Vendor" or "Vendors"** means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

**3. CONTRACT TERM; RENEWAL; EXTENSION:** The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

**Term Contract**

**Initial Contract Term:** This Contract becomes effective on the date indicated on the awarded contract and extends for a period of \_\_\_\_\_ year(s).

**Renewal Term:** This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor. Any request for renewal should be delivered to the Agency thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to \_\_\_\_\_ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited.

**Alternate Renewal Term** – This contract may be renewed for \_\_\_\_\_ successive \_\_\_\_\_ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor and Agency.

**Delivery Order Limitations:** In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

**Fixed Period Contract:** This Contract becomes effective upon Vendor’s receipt of the notice to proceed and must be completed within \_\_\_\_\_ days.

**Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor’s receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within \_\_\_\_\_ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that maintenance, monitoring, or warranty services will be provided for \_\_\_\_\_ year(s) thereafter.

**One Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

**Other:** See attached.

**4. NOTICE TO PROCEED:** Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.



5. **QUANTITIES:** The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

**Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

**Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.

**Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

**One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, and Attorney General's office.

6. **REQUIRED DOCUMENTS:** All of the items checked below must be provided to the Agency by the Vendor as specified below.

**PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of 100% of the contract value. The performance bond must be received by the Agency prior to Contract award.

**LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be received by the Agency prior to Contract award.

**MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Agency prior to Contract award.

**LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after the contract award at the State's sole discretion.

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

**7. INSURANCE:** The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below and must include the State as an additional insured on each policy prior to Contract award. The insurance coverage identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed in this section.

Vendor must maintain:

**Commercial General Liability Insurance** in at least an amount of:  
\_\_\_\_\_ per occurrence.

**Automobile Liability Insurance** in at least an amount of: \_\_\_\_\_ per occurrence.

**Professional/Malpractice/Errors and Omission Insurance** in at least an amount of:  
\_\_\_\_\_ per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.

**Commercial Crime and Third-Party Fidelity Insurance** in an amount of:  
\_\_\_\_\_ per occurrence.

**Cyber Liability Insurance** in the amount of: \_\_\_\_\_ per occurrence.

**Builders Risk Insurance** in an amount equal to 100% of the amount of the Contract.

**Pollution Insurance** in the amount of: \_\_\_\_\_ per occurrence.

**Aircraft Liability** in the amount of: \_\_\_\_\_ per occurrence.

**8. WORKERS' COMPENSATION INSURANCE:** The apparent successful Vendor shall comply with laws relating to workers' compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

**9. LIQUIDATED DAMAGES:** This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

\_\_\_\_\_ for \_\_\_\_\_

Liquidated Damages Contained in the Specifications

**10. ACCEPTANCE:** Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

**11. PRICING:** The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

**12. PAYMENT IN ARREARS:** Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.

**13. PAYMENT METHODS:** Vendor must accept payment by electronic funds transfer or P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

**14. ADDITIONAL FEES:** Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

**15. TAXES:** The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

**16. FUNDING:** This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.

**17. CANCELLATION:** The State reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Agency may also cancel any purchase or Contract upon 30 days written notice to the Vendor.

**18. TIME:** Time is of the essence with regard to all matters of time and performance in this Contract.

**19. APPLICABLE LAW:** This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.

**19A. VENUE:** All legal actions for damage brought by Vendor against the State shall be brought in the West Virginia Claims Commission. Other causes of action must be brought in the West Virginia court authorized by statute to exercise jurisdiction over it.

**20. COMPLIANCE WITH LAWS:** Vendor shall comply with all applicable federal, state, and local laws, regulations, and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances. Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances.

**21. ARBITRATION:** Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

**22. MODIFICATIONS:** This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract, to the contrary, no modification of this Contract shall be binding without mutual written consent of the Agency and the Vendor.

**23. WAIVER:** The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

**24. SUBSEQUENT FORMS:** The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

**25. ASSIGNMENT:** Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency and any other government agency or office that may be required to approve such assignments.

**26. WARRANTY:** The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defects in material and workmanship.

**27. STATE EMPLOYEES:** State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

**28. PRIVACY, SECURITY, AND CONFIDENTIALITY:** The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in:  
<http://www.state.wv.us/admin/purchase/privacy/default.html>

**28A. CONFIDENTIALITY POLICIES AND INFORMATION SECURITY**

**ACCOUNTABILITY:** The Vendor agrees to adhere to the Confidentiality Policies and Information Accountability Requirements set forth in the link below. At the Agencies sole discretion, the Agency can require the Vendor and its employees to execute the confidentiality agreement.  
<http://www.state.wv.us/admin/purchase/privacy/default.html>

**29. YOUR SUBMISSION IS A PUBLIC DOCUMENT:** Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of the State of West Virginia and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

**DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.**

Submission of any bid, proposal, or other document to the Agency constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Agency will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

**30. LICENSING:** In accordance with applicable law, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Agency to verify that the Vendor is licensed and in good standing with the above entities. Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up to date on all state and local obligations as described in this section.

**31. ANTITRUST:** In submitting a bid to, signing a contract with, or accepting an Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

**32. VENDOR CERTIFICATIONS:** By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein. Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer, or any documents related thereto on

Vendor's behalf: that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

**33. VENDOR RELATIONSHIP:** The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing. Vendor shall hold harmless the State and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

**34. INDEMNIFICATION:** The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

**35. NO DEBT CERTIFICATION:** In accordance with West Virginia Code, the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a Political subdivision of the State. By submitting a bid, or entering into a contract with the State, Vendor is affirming that (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the State or a Political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither Vendor nor any related party are in employer default as defined in the statute cited above unless the debt or employer default is permitted under the statute.

**36. CONFLICT OF INTEREST:** Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members, and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

**37. REPORTS:** Vendor shall provide the Agency with the following reports identified by a checked box below:

Such reports as the Agency may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Agency.

**38. BACKGROUND CHECK:** In accordance with W. Va. Code § 15-2D-3, the State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capital complex based upon results addressed from a criminal background check. The service provider is responsible for any costs associated with the fingerprint based state and federal background inquiry. Upon award the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision. The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.



**DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.**

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(Name, Title)

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(Printed Name and Title)

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(Address)

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(Phone Number) / (Fax Number)

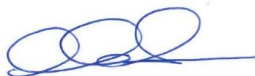
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(E-mail address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand that this Contract is subject to the provisions of West Virginia code and rules and applicable adopted procedures; therefore, purchases and contracts violating West Virginia Code and rules are void and of no effect.

(Company)



(Authorized Signature) Representative Name, Title)

(Printed Name & Title of Authorized Representative)

(Date)

(Phone Number) (Fax Number)

## ADDENDUM ACKNOWLEDGEMENT FORM

### SOLICITATION NO.:

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification. Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

*(Check the box next to each addendum received)*

Addendum No. 1

Addendum No. 6

Addendum No. 2

Addendum No. 7

Addendum No. 3

Addendum No. 8

Addendum No. 4

Addendum No. 9

Addendum No. 5

Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

E.F. Johnson Company

Company



Duane Anderson, President and CEO

Authorized

Signature

May 30, 2024

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

**REQUEST FOR QUOTATION**  
**ARFQ 0608 DCR2400000084**  
**JVC/Kenwood/EF Johnson Portable Radios, Mobile Radios, Parts, & Accessories Catalog**

**SPECIFICATIONS**

- 1. PURPOSE AND SCOPE:** The WV Department of Homeland Security - Division of Administrative Services is soliciting bids on behalf of the WV Division of Corrections and Rehabilitation to establish an open-end catalog contract for the purchase of JVC/Kenwood/EF Johnson Portable Radios, Mobile Radios, Parts, & Accessories to be used with the existing communications system. The Contract awarded from this Solicitation shall cover all Items from Vendor's Catalog. The items listed in the market basket is a sampling for bid evaluation purposes only; however, the successful Vendor shall provide all catalog items to Agency at the category percentage off list discounts.
  
- 2. DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.
  - 2.1 "Agency"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of this solicitation or any other public exempt from purchasing entity seeking to procure goods or services under this contract.
  
  - 2.2 "Catalog"** means the price list, catalog, or website that includes all items that Vendor will provide to Agency under this Contract.
  
  - 2.3 "Catalog Price"** means the lowest price listed for an Eligible Item in Vendor's Catalog. (Ex. A box of 200 tissues priced at \$4.00 per box has a catalog price of \$4.00. A crate of tissue boxes priced at \$400.00 has a catalog price of \$400.00).
  
  - 2.4 "Discount Percentage"** means the percentage discount that Vendor will apply to all Agency purchases of Eligible Items in a given product category
  
  - 2.5 "Discounted Price"** means the price that the Vendor will charge Agencies for the purchase of Eligible Items under this Contract. The Discounted Price is the Catalog Price reduced by the Discount Percentage.
  
  - 2.6 "Discounted Unit Price"** means the discounted price of one Unit of an Eligible Item purchased under this Contract.
  
  - 2.7 "Eligible Item"** means any item contained in Vendor's catalog that Vendor will provide to Agency under this Contract.
  
  - 2.8 "Pricing Page"** means the schedule of prices, Discount Percentage, estimated usage, and totals contained in wvOASIS or attached hereto as Exhibit A and used to evaluate the Solicitation responses.

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- 2.9 “Solicitation”** means the official notice of an opportunity to supply the Agency with goods or services that is published by the WV Division of Administrative Services.
- 2.10 “Total Bid Cost”** means the sum of the bid total column on the Pricing Pages shown below the bid total column and identified as the total bid cost.
- 2.11 “Unit”** means the smallest measurable amount of an Eligible Item and is identified on the Pricing Pages in the Unit column. The Unit will only be utilized for bid evaluation purposes.
- 2.12 “Unit Price”** means the price of an individual unit of an Eligible Item as shown on the Pricing Pages.
- 2.13 “Units Provided for Catalog Price”** means the total number of units of an Eligible Item contained in the package advertised for sale in Vendor’s Catalog that corresponds with the Catalog Price. (Ex. A box of 200 nuts advertised in vendor’s catalog for \$4.00 has a Units Provided for Catalog Price of 200. A crate of nuts advertised in Vendor’s catalog for \$400.00, each containing 100 boxes with 200 nuts per box, yields a Units Provided for Catalog Price of \$20,000.
- 2.14 “WVSIRN Level 1 Approved Radio Equipment List” or “WVSIRN Level 2 Approved Radio Equipment List”** means the list of radios approved for operation on the SIRN Network as Exhibit B. Radios not listed as Approved Equipment herein cannot be activated on the network. The list is subject to change as new radios are added to the list and outdated radios are removed from the list by the Statewide Interoperable Executive Committee, in accordance with West Virginia Code.

**3. GENERAL REQUIREMENTS:**

- 3.1 Mandatory Eligible Item Requirements:** Eligible Items must meet or exceed the mandatory requirements listed below.
- 3.1.1** Eligible Items must be Listed in a current JVC-Kenwood-EF Johnson Catalog(s) that meets the requirements of this RFQ.
- 3.1.2** Eligible Items must be the same as the items listed in the market basket pricing page.
- 3.1.3** No previously used, refurbished or remanufactured equipment will be accepted.

## REQUEST FOR QUOTATION

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### JVC/Kenwood/EF Johnson Portable Radios, Mobile Radios, Parts, & Accessories Catalog

- 3.1.4** Schematics must be available for all equipment purchased. A minimum of 7 complete depot level service / repair manuals will be provided to the WV Division of Corrections and Rehabilitation and shall be delivered when the first unit is delivered.
- 3.1.5** All items must be available for purchase from company at the list price minus the percentage off from this ARFQ's awarded company whether listed on the attached market basket or listed in their catalog.
- 3.1.6** All features that are placed in the radio (Portable, Mobile, and Repeater) programming or feature encoding must remain for the life of the radio. Any lost feature information (IE. # of channels, type of radio, etc.) must be replaced by vendor at no charge for the life of the radio. Any defective unit shall be returned to the vendor. Vendor shall pay for the return shipping.

### **3.2 WARRANTY**

- 3.2.1** Vendor must provide at a minimum of a three (3) year warranty on all radios or manufacturer's warranty, whichever is longer.
- 3.2.2** Vendor must provide at a minimum of a one (1) year warranty on equipment and accessories including parts and labor, or manufacturer's warranty, whichever is longer.

### **3.3 SPECIAL SALES**

- 3.3.1** Contract prices, including the applicable price discount, shall be the maximum or ceiling price Vendor can charge Agency. However, the Vendor may offer Agency a greater price discount for a volume order or for promotional purposes which would result in the even lower purchase price.

## **4. CONTRACT AWARD, PERCENTAGE DISCOUNT, CATALOG:**

- 4.1 Contract Award:** This Contract is intended to provide the Agency with a discounted price on all Eligible Items. The Contract shall be awarded to the Vendor that meets the Solicitation specifications and provides the lowest Total Bid Cost for the Eligible Items listed on the Pricing Pages. Notwithstanding the foregoing, the WV Division of Administrative Services

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reserves the right to award this Contract to multiple Vendors if it deems such action necessary.

- 4.2 Discount Percentage:** Vendor shall quote a single Discount Percentage that will reduce the lowest price shown in the Catalog for every Eligible Item. The resulting Discounted Price shall be the price Agencies pay for purchases of that Eligible Item under this Contract.

Vendor shall not incorporate Discount Percentages into its Catalog unless the Vendor clearly shows the Catalog Price and then separately lists the applicable Discount Percentage and the Discounted Price for each Eligible Item.

The Discount Percentage and subsequent Discounted Price derived from that discount must take into account any and all fees, charges, or other miscellaneous costs that Vendor may require, including delivery charges as indicated below, because those fees, charges, or other miscellaneous costs will not be paid separately. The Agency shall only pay the appropriate Discounted Unit Price for items purchased under this Contract.

- 4.3 Pricing Pages:** Vendor should complete the Pricing Pages by filling in any blank spaces with the information requested. The information requested on the Pricing Pages for each frequently purchased Eligible Item includes the Vendor's Eligible Item manufacturer, the manufacturer's number for each Eligible Item, Catalog Prices, Units Provided for Catalog Price, Unit Prices, Discount Percentage, Discounted Unit Prices, and item total costs. The Vendor should also include the Total Bid Cost. Vendor should complete all columns as failure to complete the Pricing Pages in their entirety will result in Vendor's bid being disqualified.

The Pricing Page contains a list of Contract items and estimated purchase volume. The estimated purchase volume for each item represents the approximate volume of anticipated purchases only. No future use of the Contract or any individual item is guaranteed or implied.

Vendors should electronically enter the information into the Pricing Page and through wvOASIS, if available, or as an electronic document. In most cases, the Vendor can request an electronic copy of the Pricing Page for bid purposes by sending an email request to the following address: [Herbert.M.Skeens@wv.gov](mailto:Herbert.M.Skeens@wv.gov).

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### JVC/Kenwood/EF Johnson Portable Radios, Mobile Radios, Parts, & Accessories Catalog

#### 5. Catalog:

**5.1 Submission.** Vendor must submit its Catalog with its bid for evaluation purposes. Vendor shall also mail the Catalog free of charge to any Agency desiring to use this Contract. Copies of the Catalog may also be requested in an electronic format. Vendor must provide a quote for all orders to show the Catalog Price minus the discount percentage as quoted in this ARFQ.

Vendor should identify all items listed on the Pricing Pages by circling or highlighting those items in its Catalog and earmarking, tabbing, or listing the pages for those items, to assist in the evaluation and verification of the bids and pricing.

**5.2 Catalog Modification.** The Division of Administrative Services may permit Vendor to update items in its Catalog at each renewal date. Determination of whether or not to allow a Catalog update is at the sole discretion of the Division of Administrative Services. Any request by Vendor to update its Catalog must include a detailed listing of the following: (1) any Eligible Items being removed, Discounted Unit Prices for those items, Agencies quantity usage of those items, and total spent by Agencies on those items; (2) any Eligible Items being added to the Catalog and the Discounted Unit Price of those items. (3) and all changes in the Discounted Unit Price to Eligible Items, estimated usage relating to items that have changed in price, and the total impact of the price change on the State. The Division of Administrative Services may waive the detailed listing requirement if it finds that doing so is in the best interest of the State.

In the event that multiple vendors are awarded a contract under the Solicitation, the first priority vendor shall not be permitted to include in its updated Catalog items being sold by a vendor that is lower in ordering priority without the consent of that lower priority vendor.

#### 6. CONSUMER PRICE INDEX (CPI):

Contract shall be for a base period of one (1) year, with four (4) one (1) year renewal options. Automatic renewals are prohibited. Vendor and Agency must mutually agree in writing to the renewal of said contract. There shall be no price increases within the first twelve (12) months from the date of the award of the contract.

After the expiration of the initial twelve (12) month period, the Vendor may, no less than thirty (30) days prior to the contract anniversary date, request a price adjustment in writing. Said price adjustment will be evaluated on the prior year Consumer Price Index (CPI) compared to the current year CPI, or 3% whichever is less. All price adjustments must be approved by the Agency prior to implementation, at Agency's sole discretion. Approval of price adjustments is not

## REQUEST FOR QUOTATION

ARFQ 0608 DCR240000084

### JVC/Kenwood/EF Johnson Portable Radios, Mobile Radios, Parts, & Accessories Catalog

guaranteed. Agency will issue a Change Order to said contract for any approved price adjustments.

#### **7. PIGGYBACK CLAUSE:**

The WV Division of Administrative Services on behalf of the WV Division of Corrections & Rehabilitation reserves the right to extend the terms, conditions, and prices of this contract to other Agencies/Institutions who express an interest in piggybacking on this contract. Each of the piggyback Agencies/Institutions will issue their own purchasing documents for the goods/services. Vendor agrees that the WV Division of Administrative Services shall bear no responsibility or liability for any agreements between Vendor and the other Agency/Institutions who desire to exercise this option.

#### **8. CONFIDENTIALITY POLICIES & INFORMATION SECURITY ACCOUNTABILITY:**

Vendor agrees to adhere to the Confidentiality Policies & Information Accountability Requirements which can be found at <http://www.state.wv.us/admin/purchase/privacy/>. At the Agencies discretion, the Agency can require the Vendor and its employees to execute the Confidentiality Agreement.

#### **9. ORDERING AND PAYMENT:**

**9.1 Ordering:** Vendor shall accept orders through wvOASIS, regular mail, facsimile, e-mail, or any other written forms of communication. Vendor may, but is not required to, accept on-line orders through a secure internet ordering portal/website. If Vendor has the ability to accept on-line orders, it should include in its response a brief description of how Agencies may utilize the on-line ordering system. Any on-line ordering system must have the capability to restrict prices and available items to conform to the Catalog originally submitted with this Solicitation. Vendor shall ensure that its on-line ordering system is properly secured prior to processing Agency orders on-line.

Vendor shall provide the Division of Administrative Services with access to its internet ordering portal/website, if one will be used under this Contract, to allow the Division of Administrative Services to ensure that the requirements of this Contract are being met.

**9.2 Invoicing and Payment:** Vendor shall indicate the catalog list price and the discount received on each invoice submitted for payment. Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia. Methods of acceptable payment must include the West Virginia Purchasing Card. Payment in advance is not permitted under this Contract.



**REQUEST FOR QUOTATION**  
**ARFQ 0608 DCR2400000084**  
**JVC/Kenwood/EF Johnson Portable Radios, Mobile Radios, Parts, & Accessories Catalog**

**10. DELIVERY AND RETURN:**

**10.1 Delivery Time and Place:** Vendor shall deliver standard orders within fourteen (14) working days after orders are received. Vendor shall deliver emergency orders within five (5) working day after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met. Eligible Items must be delivered to Agency at various locations as specified on Exhibit C.

**10.2 Late Delivery:** The Agency placing the order under this Contract must be notified in writing if orders will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the delayed order, and/or obtaining the items ordered from a third party.

Any Agency seeking to obtain items from a third party under this provision must first obtain approval of the Division of Administrative Services.

**10.3 Delivery Payment/Risk of Loss:** Every order delivery shall be F.O.B. destination to the Agency's location. Vendor shall include the cost of delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery.

**10.4 Return of Unacceptable Items:** Items that Agency deems unacceptable shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.

**10.5 Return Due to Agency Error:** Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

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**ARFQ 0608 DCR2400000084**  
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**11. VENDOR DEFAULT:**

11.1 The following shall be considered a vendor default under this Contract.

11.1.1 Failure to provide Eligible Items in accordance with the requirements contained herein.

11.1.2 Failure to comply with other specifications and requirements contained herein.

11.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

11.1.4 Failure to remedy deficient performance upon request.

11.2 The following remedies shall be available to Agency upon default.

11.2.1 Immediate cancellation of the Contract.

11.2.2 Immediate cancellation of one or more release orders issued under this Contract.

11.2.3 Any other remedies available in law or equity.

**12. MISCELLANEOUS:**

**12.1 Substitution of Contract Items:** The Vendor may substitute a Contract Item if it becomes discontinued or is no longer available for purchase provided that the substitute/alternative item is equal to or greater than the Contract Item being replaced and is offered at the same cost as the original Contract Item being replaced. Any item being substituted for a Contract Item must be on the list of radios approved for operation on the SIRN Network – see Exhibit B attached.

**12.2 Vendor Supply:** Vendor must carry sufficient inventory of the Eligible Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Eligible Items contained in its bid response.

**REQUEST FOR QUOTATION**

**ARFQ 0608 DCR240000084**


**JVC/Kenwood/EF Johnson Portable Radios, Mobile Radios, Parts, & Accessories Catalog**

**12.3 Reports:** Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency’s items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.

**12.4 Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor’s responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

<b>Contract Manager:</b>	John Daly
<b>Telephone Number:</b>	972-819-0225
<b>Fax Number:</b>	972-819-0639
<b>Email Address:</b>	john.daly@efji.com

# Exhibit B

	<b>Standard Operating Procedure</b>
	Title / Subject <b><u>Radio Equipment Requirements &amp; Approved Equipment List</u></b>
	References/Updates: Updated: 04/08/2024

## Table of Change

1.	Add Intro/Purpose, Definitions, Modifications to 3a, 3e,	Page 1
2.	Add F v., G, J xi, and Modifications to J ix.	Page 2
3.	Add K ii 11.	Page 3
4.	Updated section numbers and added a new section 4.	Page 4

### 1. Introduction/Purpose

This policy relates to the addition of any radio equipment into the West Virginia Statewide Interoperable Radio Network (WV SIRN) and spells out the requirements for all radio manufacturers to have their equipment approved. This policy will also categorize radios into various levels according to the radios feature set and capabilities.

### 2. Definitions

All definitions are located in the "Definitions" document located on the SIRN Website at [www.sirn.wv.gov](http://www.sirn.wv.gov).

### 3. Radio Equipment Requirements

- a. No equipment shall be programmed or attempted to be used with the SIRN that is not listed on the SIRN Approved Equipment List (SIRN AEL), as set forth by the SIEC.
- b. The SIRN AEL shall be based on criteria to establish minimum operating standards and not based on a specific manufacturer(s).
- c. The SWIC shall publish an updated SIRN AEL on the SIRN website as soon as reasonably possible after changes have been made.
- d. No radio activations, unless approved by the SIEC Technical Committee for official testing, shall be made for equipment not approved.
- e. Per FCC Licensing, mobile unit output power is limited to no more than 50 watts.

- f. The approved radios will be broken down in the following format utilizing 5 Levels
- i. Level 1; Radios in this section shall meet or exceed ALL of the below criteria
    - 1. At least 3000 Channels
    - 2. Mixing Conventional and Trunking Channels in the Same Zone
    - 3. Scanning Conventional and Trunking in the Same Scan List
    - 4. TDMA (Phase 2) Enabled
    - 5. Capable of AES Encryption with Multi-Key
    - 6. Display capable of at least 14 characters
  - ii. Level 2; Radios in this section shall meet or exceed ALL of the below criteria
    - 1. At least 1000 Channels
    - 2. Mixing Conventional and Trunking Channels in the Same Zone
    - 3. Scanning Conventional and Trunking in the Same Scan List
    - 4. TDMA (Phase 2) Enabled
    - 5. Capable of AES Encryption with Multi-Key
  - iii. Level 3; Radios in this section will meet 1 or more of the below criteria
    - 1. NOT Capable of AES Encryption with Multi-Key
    - 2. At least 512 Channels
    - 3. TDMA (Phase 2) Enabled
    - 4. NOT Capable of Mixing Conventional and Trunking Channels in the Same Zone
    - 5. NOT Capable of Scanning Conventional and Trunking in the Same Scan List
  - iv. Level 4; End of Life but working properly (i.e. Motorola XTS & XTL, or APX 7000). Radios that are End of Life from their manufacturer, yet still function properly. They do not have the same functionality or available features of newer radios. **CAUTION WHEN PURCHASING USED RADIOS. Be sure to confirm Firmware and software versions, and radio feature sets. Feature sets must include 9600 baud (P-25 trunking). In addition, they should include P-25 CAI. If encryption is desired it should be AES and multikey is preferred if an option. Early versions of radios may not function properly on the SIRN system, even though they may *appear* to function properly. If a radio is determined to not function properly and causes any issues, it may be “turned off” to prevent system issues. Radio’s that do not function properly may be turned off in the system if their use causes users to perceive a negative perception of the capabilities of the SIRN.**
  - v. Level 5 – Pending Manufacturer Actions – These radios have been reported to the manufacturer with a noted performance issue that is awaiting a fix. The fix will be tested and confirmed as acceptable prior to that model of product being put back on the approved list for purchase.

- vi. Level 99 – No longer recommended for use (End of life or NOT working properly). The radio listings in Level 99 are no longer being supported by the manufacturer or have identified operational issues when used on SIRN. While the device may still work to some level of usability on SIRN, the radio has noted significant issues. The radio is NOT RECOMMENDED for use or purchase by the SIEC.
- g. Site equipment (such as new sites or related equipment) will be evaluated on a case-by-case basis. Please refer to the Standard Operation Procedure for “**Adding Astro Site Repeater Sites**”. Parties interested in purchasing a new site shall contact the SWIC to begin the process.
- h. Testing of radio equipment (new or currently approved equipment) or testing of parameter changes shall only be conducted with prior approval of the SIEC Technical Committee.
- i. No vendor shall conduct radio testing of parameters or equipment that is not approved by the SIEC Technical Committee.
- j. In order for radio equipment to be properly categorized and accepted for use on the system the following testing process has been established:
  - i. A vendor shall submit a request to the SWIC to have a device tested.
  - ii. A vendor shall appoint a single point of contact representing the vendor and the appointed tester.
  - iii. The SWIC or designee will coordinate with the Chair of the SIEC Technical Committee to assign the initial testing of the device to the most appropriate person. All equipment submissions must include the radio and accessories needed to operate the unit, non-expiring programming software that does not require an internet cloud or internet connect to install and function, and cables if requested and any needed technical support to program and test the radios.
  - iv. The SIEC will test the radios to demonstrate proper operation and notify the vendor of any issues and make reasonable attempts to resolve minor issues.
  - v. After acceptance, the SIEC Technical Committee will determine the appropriate Level of Acceptance and suggest to the SIEC the Approval of the equipment.
  - vi. After SIEC approval of the radios it will be added to the SIRN AEL. If not

approved, the reason(s) will be conveyed to the vendor who has the opportunity to correct the issues and resubmit for testing.

- vii.** Any vendor who desires to have their approved product placed on the SIRN AEL must provide 4 each of the following:
  - i. Radios for inclusion in the Approved Equipment List
  - ii. Belt Clips/Holsters
  - iii. Remote speaker microphones
  - iv. Chargers
  - v. Programming Cables
  - vi. Encryption cables for use with the Motorola KVL
  - vii. Programming software that does not expire
  - viii. Software system key
  - ix. Provide master hardware key if available with 4 daughter keys)
  - x. Portal address with 4 user names and passwords for programming software and firmware updates (One credential shared amongst four users is acceptable)
  
- viii.** Said radios will be usable as well as non-expiring programming software for the duration of that radio's life span or for the length of time said radio is on the approved equipment list. All equipment must be tested for no less than 30 days and will only be approved at a regularly scheduled meeting of the SIEC.
  
- ix.** Vendors knowingly selling equipment that is not approved will be reported to the appropriate officials for investigation. The SIEC reserves the right to remove manufacturers from the SIRN AEL that have vendors routinely selling equipment not meeting the specifications for use on SIRN.
  
- x.** The SIEC will only test and approve radios based on the data available from the vendors and the configuration of the radio sent for testing. Please submit properly equipped radios and proper documentation with the radios for testing. Radio features (ie. Encryption, TDMA, etc.) that are not included in the radio cannot be tested, and will not be able to be approved at the level the option is required.
  
- xi.** It is recommended that radios be equipped with any and all options available for the radio model. A 4000-channel radio that is provided with 2000 channels will be a Level 2 radio as it was not tested with the requirement for Level 1. Include absolutely anything you want tested now and in the future. Updating options released later will potentially require testing prior to release of that option being available for sale. No feature shall be approved without prior recommended approval of the Technical Committee to

the SIEC.

**xii.**The SIRN AEL and testing process is based on properly equipped radios.

**xiii.** Radio programming shall not necessitate a connection to the internet by the radio or the programming computer. All programming shall be possible via a programming cable using a computer that is not connected to the internet. Programming only via an internet cloud site is not acceptable. WIFI connectivity and programming is desirable.

**k.** In order to establish proper operation with the existing system and user equipment the following criteria has been established

**i.** Required – All equipment must meet these criteria for approval. If at any time the equipment is found to not meet these requirements it will be immediately removed.

- 1.** Adjustable time-out timer – Programmer must be able to enter values from 30 seconds to 120 seconds.
- 2.** Busy Channel – The radio must alert the user that they are attempting a PTT on a busy channel; the radio must give audible warning to the user as long as the PTT button is pressed.
- 3.** Busy Queuing and Call Back – The radio will notify the user (Both Visual and Audible) that the system is busy and when a talk channel is available the radio will notify the user they can now transmit.
- 4.** Capable of operation at least from 400-470 MHz – Wider operation is acceptable; this is due to the SIRN implementing sites in the 400-410 range.
- 5.** Conventional Radio Channels – Must be able to populate the radio with conventional channels as well as trunking.
- 6.** Dynamic Regroup capability – Must be able to dedicate a channel and place that channel in a zone/group on any channel spot.
- 7.** Full Spectrum Control Channel Scan – Must automatically search for available control channels.
- 8.** Multi-Zone Roaming – The radio must allow operation on a multizone controlled system.



- 9.** Out of Range Indication – The radio must alert the user (visually and audible) that the radio is out of system range. Audible and/or visual indication should be selectable by the programmer.
  - 10.** Radio inhibit capability – The radio must be able to be rendered nonoperational by the inhibit command from the Astro platform. This feature must be enabled based on the loading of the WV SIRN system key and locked in a manner that it cannot be disabled by a programmer with the radio programming software.
  - 11.** Return to affiliation after conventional channel activity – The radio must be able to be changed from trunking to conventional and back to trunking and reaffiliate without any user interaction other than channel changes.
  - 12.** Return to affiliation after Out of Range – The radio must return to system operation after it has gone out of system range without user interaction.
  - 13.** Site Trunking Notification – The radio must give the programmer the option to set audible, visual or both alerts to the user when the radio senses a Site Trunking situation.
  - 14.** Site Trunking Roaming to Wide Area Sites – The radio shall, without user interaction, search for and roam to wide area sites, if available, when a Site Trunking situation is indicated.
  - 15.** Talkgroup Call – The radio must be able to transmit and receive on the programmed talkgroups.
  - 16.** Operational TDMA (APCO P-25 Phase II)
- ii.** Optional Features – These features will be tested if present and the results noted, but they are not required for approval. Users should check with the vendor to ensure the radio they are purchasing has the Optional Features they desire.
- 1.** Ability to software program a radio for single site operation
  - 2.** Ability to mute all or select Alert Tones
  - 3.** Call Alert (Encode and Decode), Both Trunking and Conventional
  - 4.** Emergency Alarm (Encode and Decode)
  - 5.** Operator Programmable Scan List
  - 6.** Operator Programmable Zone List
  - 7.** P-25 CAI Operation

8. PTT Unit ID/Alias Display
9. RSSI Indication
10. Secure Operation (Other than AES) & Multi-key Operation

iii. *Scanning* – The capability of scanning is handled differently between vendors and subscriber units and not all makes/models handle scanning the same. The utilization of scan in any radio has the potential for a responder to miss received audio. If the scan feature is deemed necessary by a user or agency, the following are possible scan configurations and noted issues with each.

1. *Non-mixed mode scan* – Trunked talkgroups and conventional channels can NOT be combined into the same scan list.
2. *Mixed mode type scan* – It is possible to combine a trunked talkgroup and a conventional channel into the same scan list, but there is no priority given to any list member.
3. *Priority Mixed Mode Scan* - it is possible to combine trunked talkgroups and conventional channels into the same scan list and be able to assign a priority to a member of that list.
4. *Priority Scan* - Scan that involves EITHER talkgroups or conventional channels, but not a mix of both. This type of scan is normally available in most manufacturers.

I. Requirements of Manufacturers – The following are general requirements of the manufacturer for their radios to be considered for the Approved Equipment List. This policy section became effective January 1, 2018.

i. Firmware updates

1. The manufacturer must provide field installable firmware as needed to address functional issues with the radio. This must be provided free of charge and may not require the use of an external USB/Key type device.
2. The manufacturer must provide an online portal for firmware downloading, as updates are released. Access to this portal and downloads will start at time of testing and continue until the radio is no longer on the SORN AEL for all radios of that type on the system.

ii. Software updates

1. The manufacturer must provide field upgradable software as needed to keep software updated to the current version.
2. The manufacturer must provide an online portal for software

downloading, as updates are released. Registration and login requirements are acceptable.

- iii. A reasonable fee for software licensing is acceptable. Software must be provided at no cost for testing purposes of equipment.

Note: Most radio manufactures have options when ordering equipment. The tested and approved equipment should be reviewed and the purchaser should ensure that a radio is properly configured before purchasing. Proper Make and Model numbers do not always indicate proper configuration. Purchaser should not completely rely solely on vendor suggestions.

#### **4. Connected applications and services**

The West Virginia SIEC also takes notice of the new forms of technology that supplement or augment the traditional Land Mobile Radio (LMR) system. These forms of technology come in many forms with interconnectivity ranging from directly connected infrastructure, broadband, and donor radios just to name a few. As new technology opportunities are made available to the SIEC, each will be tested, and results will be reported. No connected app or service is considered to be a life safety initiative that fully replaces a traditional LMR radio subscriber unit. The list of connected apps and services listed in Section 6 are the only ones that have been tested and approved for use on or in conjunction with the traditional SIRM LMR system.

## 5. SIRN Approved Equipment List

Type	Level	Make	Model	Programming Software	<b>!!! NOTE !!!</b> <b>ALL</b> <b>RADIOS</b> <b>MUST BE</b> <b>UHF 400-470</b> <b>MHz</b>
<b>LEVEL 1</b>					
Portables					
	1	Bendix King	KNG2-P400	RES	
	1	EF Johnson	VP600	Armada	
	1	EF Johnson	VP8000	Armada	
	1	Harris	XL200P	Harris RPM	
	1	Kenwood	NX-5300	D1N	
	1	Kenwood	TK-5330	D1N	
	1	Kenwood	VP-5330	Armada	
	1	Kenwood	VP-6330	Armada	
	1	Motorola	APX-6000	APX CPS	
	1	Motorola	APX-7000	APX CPS	
	1	Motorola	APX-8000	APX CPS	
	1	Motorola	APX-Next	CPS & Online	
	1	BK Technologies	BKR 9000	RES	
Mobiles					
	1	Harris	XL200M	Harris RPM	
	1	Kenwood	VM7000	Armada	
	1	Kenwood	NX-5800	D1N	
	1	Kenwood	TK-5830	D1N	
	1	Kenwood	VM-5830	Armada	
	1	Kenwood	VM-6830	Armada	
	1	Motorola	APX-6500	APX CPS	
	1	Motorola	APX-7500	APX CPS	
	1	Motorola	APX-8500	APX CPS	
<b>LEVEL 2</b>					
Portables					
	2	Bendix-King	KNG-P400	RES	
	2	Harris	XG-25P	Harris RPM	
	2	Harris	XG-75P	Harris RPM	
	2	Harris	Unity XG-100	Harris RPM	
	2	Harris	P7300	Harris RPM	

Type	Level	Make	Model	Programming Software	<b>!!! NOTE !!!</b> <b>ALL</b> <b>RADIOS</b> <b>MUST BE</b> <b>UHF 400-470</b> <b>MHz</b>
	2	Motorola	APX-4000	APX CPS	
Mobiles	2	Bendix-King	KNG400M	RES	
	2	Harris	XG-25M	Harris RPM	
	2	Harris	Unity XG-100M	Harris RPM	
	2	Harris	M7300	Harris RPM	
	2	Motorola	APX-4500	APX CPS	
<b>LEVEL 3</b>					
Portables	3	ICOM	IC-F9021	ICOM Software	Cannot Scan Conventional and Trunking in the same list. Not capable of operator programmable scan list
	3	Harris	P3300	Harris RPM	No Encryption
	3	Kenwood	TK-5320	KPG-112	Will Not mix Conventional and Trunking in the same Zone. Cannot Scan Conventional and Trunking in the same list
	3	Motorola	APX-900	APX CPS	Only 512 Channels No AES Encryption
	3	Motorola	APX-1000	APX CPS	Only 512 Channels No AES

Type	Level	Make	Model	Programming Software	<b>!!! NOTE !!!</b> <b>ALL</b> <b>RADIOS</b> <b>MUST BE</b> <b>UHF 400-470</b> <b>MHz</b>
					Encryption
Mobiles	3	Harris	M3300	Harris RPM	No Encryption
	3	ICOM	IC-9521	ICOM Software	Cannot Scan Conventional and Trunking in the same list
	3	Kenwood	TK-5820	KPG-112	Will not mix Conventional and Trunking in the same Zone. Cannot Scan Conventional and Trunking in the same scan list
	3	Motorola	APX-1500	APX CPS	Not capable of multi-key encryption

**LEVEL 4** - Level 4; End of Life but working properly (i.e. Motorola XTS & XTL, or APX 7000). Radios that are End of Life from their manufacturer, yet still function properly. They do not have the same functionality or available features of newer radios. Note specific comments above in Section 3.f.iv.

Type	Level	Make	Model	Programming Software	<b>!!! NOTE !!!</b> <b>ALL RADIOS</b> <b>MUST BE</b> <b>UHF 400-470</b> <b>MHz</b>
Portables					
	4	Kenwood	10 Series V3	KPG-95DGN	
	4	EF Johnson	51xx Series	PC Configure	
	4	Harris	P5400	Harris RPM	Effective 04/12/16 Frequency range

					is 450-470
	4	Harris	CG15P	Harris RPM	Effective 04/12/16 Frequency range is 450-470
	4	Motorola	XTS-1500	XTS CPS	
	4	Motorola	XTS-2500	XTS CPS	
	4	Motorola	XTS-5000	XTS CPS	
	4	Tait	TP91xx	Tait Software	
Mobiles					
	4	Kenwood	10 Series V3	KPG-95DGN	
	4	EF Johnson	53xx Series	PC Configure	
	4	Motorola	XTL-1500	XTL CPS	
	4	Motorola	XTL-2500	XTL CPS	
	4	Motorola	XTL-5000	XTL CPS	
	4	Tait	TM91xx	Tait Software	

**LEVEL 99 – No longer recommended for use (End of life and not working properly). The radio listings in Level 99 are radios that are no longer being supported by the manufacturer. While the device may still work to some level of usability on SIRN, the radio has noted significant issues. The radio is NOT RECOMMENDED for use or purchase by the SIEC. Equipment with currently assigned Radio ID's and active on the SIRN may continue to be operated on the SIRN. Equipment listed in this section is no longer authorized to be newly activated on the SIRN.**

Portables	99	Kenwood	10 Series V2	KPG-95DGN	Limited support from the manufacturer. Poor roaming ability. No future firmware updates beyond what is currently available.
Mobiles	99	Kenwood	10 Series V2	KPG-95DGN	Limited support from the manufacturer. Poor roaming ability. No future firmware updates beyond what is currently available.

**Tested Connected apps and services**

App or Service	Brand/Vendor	Status	Usage Notations
Inter Subsystem Interface (ISSI)	Motorola Solutions	Operational	Allows a foreign radio system to be integrated into the SIRN Astro System. <i>Significant ongoing costs to all parties involved.</i>
Critical Connect	Motorola Solutions	Operational	Allows for other radio technologies to interface into a radio LMR system.
Wave	Motorola Solutions	Operational	Push-To-Talk application for smart devices; Carrier agnostic; Allows for broadband-only and LMR talkgroup integration directly into Astro systems; Easy management by LRM administrators; Small recurring cost to end users.





State of West Virginia  
Agency Request for Quote

Proc Folder: 1432646

Doc Description: JVC/Kenwood/EF Johnson Catalog Contract

Reason for Modification:

Addendum 1

Proc Type: Agency Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2024-05-24	2024-05-31 14:00	ARFQ 0608 DCR2400000084	2

**BID RECEIVING LOCATION**

**VENDOR**

Vendor Customer Code:

Vendor Name : E.F. Johnson Company

Address :

Street : 1440 Corporate Drive

City : Irving

State : TX

Country : USA

Zip : 75038

Principal Contact : John Daly, Contracts Manager

Vendor Contact Phone: 972-819-0225

Extension:

**FOR INFORMATION CONTACT THE BUYER**

Herbert Mickey Skeens

(304) 558-2350

herbert.m.skeens@wv.gov

Vendor  
Signature X

FEIN# 41-0736849

DATE May 30, 2024

All offers subject to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION**

The WV Department of Homeland Security - Division of Administrative Services is soliciting bids on behalf of the WV Division of Corrections and Rehabilitation to establish an open-end catalog contract for the purchase of JVC/Kenwood/EF Johnson Portable Radios, Mobile Radios, Parts, & Accessories to be used with the existing communications system. The Contract awarded from this Solicitation shall cover all Items from Vendor's Catalog. The items listed in the market basket is a sampling for bid evaluation purposes only; however, the successful Vendor shall provide all catalog items to Agency at the category percentage off list discounts.

**INVOICE TO** | **SHIP TO**

VARIOUS AGENCY  
LOCATIONS  
AS INDICATED BY ORDER

VARIOUS AGENCY  
LOCATIONS  
AS INDICATED BY ORDER

No City                      WV  
US

No City                      WV  
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Radio & Accessories Catalog	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43191510			

**Extended Description:**  
See Attached Specifications

**SCHEDULE OF EVENTS**

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Questions due by 2:00pm EST	2024-05-23

	Document Phase	Document Description	Page
DCR240000084	Final	JVC/Kenwood/EF Johnson Catalog Contract	3

**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

**Where to Find Pricing Market Items in Catalogs**  
**E.F. Johnson Company**

Model #	Item	Catalog	Catalog Sheet	Catalog Sheet Row
VM7730BF-S	Slave Radio	List_Price_Guide_03.01.23_VIKING	VM7000	16
VM7830BF2-S	Slave Radio	List_Price_Guide_03.01.23_VIKING	VM7000	18
VP6330BKF6	Radi - Base Model, UHF, 380-470 MHz, Model 3 full keypad	List_Price_Guide_03.01.23_VIKING	VP6000	14
KNB-L3M	Battery	List_Price_Guide_03.01.23_VIKING	Viking Accessories	159
<del>KNB-LS5</del> Discontinued KBB-LS5CU	Battery	List_Price_Guide_03.01.23_VIKING	Viking Accessories	160
<del>KSC-326K</del> Discontinued KSC-526K	Charger	List_Price_Guide_03.01.23_VIKING	Viking Accessories	169
KBH-11	Belt Clip	List_Price_Guide_03.01.23_VIKING	Viking Accessories	152
KMB-33M	Mounting Bracket	List_Price_Guide_03.01.23_VIKING	VM7000	21
KCT-46	Ignition Sense Cable	List_Price_Guide_03.01.23_VIKING	VM7000	24
KRK-17BF	Remote Kit	List_Price_Guide_03.01.23_VIKING	Viking Accessories	198
KCT-71M3	25" remote cable	List_Price_Guide_03.01.23_VIKING	VM7000	34
KPG-46XM	Programming Cable	List_Price_Guide_03.01.23_VIKING	Viking Accessories	219
<del>KPG-129DNK</del> Discontinued KPG-D7K Replacement	Repeater Programming Software	NEXEDGE_List Price_Guide_05.02.24	NXR-1700	34
KPG-149RM	Nexedge Repeater Monitoring Software	NEXEDGE_List Price_Guide_05.02.24	NXR-5700	36
<del>905-0411</del> Discontinued	Kenwood MAX Pro Workstation Bundle			
<del>930-0258</del> Discontinued	MAX Pro Software			
<del>905-0522</del> Discontinued	Max Standard Workstation Bundle (without PC)			
<del>NXR-810K2</del> Discontinued	Repeater, Digital, UHF, 400-470MHz, 1-40W			
KSGPA23421	Base Station Amplifier 406-450MHz, 3W Input, 20-40W Output	NEXEDGE_List Price_Guide_05.02.24	NXR-5800	43



KMB-33M	Mounting Bracket	EF Johnson	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KCT-46	Ignition Sense Cable	EF Johnson	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KRK-17BF	Remote Kit	EF Johnson	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KCT-71M3	25' remote cable	EF Johnson	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KPG-46XM	Programming cable	EF Johnson	Accessory	Each	\$0.00	20.00%	\$0.00	100	\$0.00

Software									
KWD-AE31K	AES & DES Encryption Module Multi-Key	JVC Kenwood	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KPG-150AP	NEXEDGE OTAP Manager Windows License for 10 radios	JVC Kenwood	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KWD-TR20	Trunking Option	JVC Kenwood	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
KPG-112DNK	Windows Programming Software for TK-5*20 Series	JVC Kenwood	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
<del>KPG-129DNK Discontinued</del> KPG-D7K Replacement	Repeater Programming Software	EF Johnson	Software	Each	\$111.70	20.00%	\$89.36	100	\$8,936.00
KPG-149RM	Nexedge Repeater Monitoring Software	EF Johnson	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
<del>905-0411 Discontinued</del>	Kenwood MAX Pro Workstation Bundle	EF Johnson	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
<del>920-0258 Discontinued</del>	MAX Pro Software	EF Johnson	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00
<del>905-0522 Discontinued</del>	Max Standard Workstation Bundle (without PC)	EF Johnson	Software	Each	\$0.00	20.00%	\$0.00	100	\$0.00

Repeaters and Amplifiers									
<del>AXR-810K2-Discontinued</del> NXR-1800E2 Replacement	Repeater, Digital, UHF, 400-470MHz, 1-40W	EF Johnson	Repeater	Each	\$2,466.00	20.00%	\$1,972.80	100	\$197,280.00
KSGPA23421	Base Station Amplifier 406-450MHz, 3W Input, 20-40W Output	EF Johnson	Amplifier	Each	\$0.00	20.00%	\$0.00	100	\$0.00

Parts									
R31-0666-15	Variable Resistor (VOL)	JVC Kenwood	Part	Each	\$0.00	20.00%	\$0.00	100	\$0.00
S60-0437-05	Rotary Switch (CH)	JVC Kenwood	Part	Each	\$0.00	20.00%	\$0.00	100	\$0.00

Overall Total Cost

292,480.00

**Vendor must complete the Pricing Page in full as failure to complete the Pricing Page in its entirety will result in Vendor's bid being disqualified. A Vendor should type or electronically enter the information into the Pricing Page to prevent errors in the evaluation.**

Vendor Information	
Vendor Name:	E.F. Johnson Company
Contact:	John Daly, Contracts Manager
Address	1440 Corporate Drive, Irving TX 75038
Phone:	972-819-0225
Fax:	972-819-0639
Email:	<a href="mailto:john.daly@efji.com">john.daly@efji.com</a>

CERTIFICATE OF LIABILITY INSURANCE

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

Table with PRODUCER (USI Insurance Services, LLC) and INSURED (EF Johnson Technologies, Inc.) information. Includes CONTACT NAME (Dawn Lunde), PHONE (612 509-4220), E-MAIL ADDRESS (Dawn.Lunde@usi.com), and a list of INSURER(S) AFFORDING COVERAGE with NAIC #.

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Main table listing insurance coverages (A, B, C) with columns for INSR LTR, TYPE OF INSURANCE, ADDL INSR, SUBR WVD, POLICY NUMBER, POLICY EFF, POLICY EXP, and LIMITS. Includes details for Commercial General Liability, Automobile Liability, Umbrella Liability, and Workers Compensation.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER CANCELLATION

Table with CERTIFICATE HOLDER (West Virginia Department of Homeland Security) and CANCELLATION (SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.)

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# KENWOOD | KAIROS

Effective Date: 05/02/2024



## KA160/KA450/KA500

Analog/P25/DMR VHF/UHF Repeaters - 136-174 MHz / 400-520 MHz



### GENERAL FEATURES

- Analog FM 12.5 kHz
- Digital 12.5 kHz
- DMR Tier II simulcast repeaters
- P25 conventional and simulcast repeaters
- DMR Conventional IP Network
- Multi-mode Analog/Digital Repeater
- Optional Soft Diversity Reception
- Analog / Digital Simulcast Option
- System Redundancy

### GENERAL OPTIONS

- Power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications.
- High performance 6 cavity BpBr duplexer is also available.
- Multi-channel combining systems are quoted on an individual system basis.
- Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks.
- Amplifier choices include 25W, 40W, 50W, 100W, 110W or 150W options.
- Custom configurations are also available; contact your KENWOOD Systems Regional Sales Manager for more details.

KAIROS REPEATER AND GATEWAY		LIST
KA160	KAIROS DMR VHF (136-174 MHz) REPEATER, 1-25W	\$ 4,247.00
KA450	KAIROS DMR UHF LO (400-470 MHz) REPEATER, 1-25W	\$ 4,247.00
KA500	KAIROS DMR UHF HI (450-527 MHz) REPEATER, 1-25W	\$ 4,247.00
KA080	KAIROS 66-88MHz RF BACKHAUL REPEATER, 1-25W	\$ 4,610.40
REPEATER MOUNT (Mandatory mount option for rack mounting)		LIST
KA-RK1V2-BPM	19" MOUNT PANEL FOR 1 KAIROS REPEATER	\$ 550.90
KA-RK2-BPM	19" MOUNT PANEL FOR 2 KAIROS REPEATER	\$ 550.90
Kairos Software Options		LIST
DMR Tier 2		LIST
KA-SI-T2M	TIER 2 SIMULCAST LICENSE	\$ 6,673.50
P25		LIST
KA-P25	CONVENTIONAL P25 LICENSE	\$ 4,853.00
KA-P25-SI	COMBO SW LICENSE P25+SIMULCAST	\$ 11,525.90
Alarm Monitoring and Other		LIST
KA-NET-RCM	NETCONTROL - MONITORING AND REMOTE CONTROL SW	\$ 223.10
KA-1+1M	KIT AND SW FOR HOT STAND-BY CONFIGURATION <i>Note : Must purchase additional KA repeater.</i>	\$ 294.40
KA-MCTCSSM	MCTCSS SW LICENSE	\$ 294.40
KA-POCSAG	POCSAG KAIROS	\$ 698.60
IP Gateway Software License		LIST
IPGW-1013	IP GATEWAY WITH SERVER, SOFTWARE, INSTALLATION	\$ 5,697.00
KWD-1013T2	DMR TIER II LICENSE	\$ 1,709.60
KAGW-1013	KAIROS GATEWAY	\$ 4,052.60
KAS-20 Console		LIST
KAS-20K	DISPATCH CLIENT LICENSE	\$ -
KWD-20S-MCK	MULTI-CLIENT LICENSE	\$ 2,430.00
KWD-20S-RSK	RF SYSTEM LICENSE	\$ 2,430.00
KWD-20C-VDK	VOICE DISPATCH LICENSE	\$ 720.40
KWD-20C-VPK	VOICE PATH LICENSE	\$ 720.40
KWD-20S-VRK	VOICE RECORD LICENSE	\$ 2,430.00
KWD-20C-LMK	LOCATION MANAGEMENT LICENSE	\$ 720.40
AMPLIFIER (OPTION) - ONE PER REPEATER		LIST
Note: Includes One Cable for Radio Connectivity.		
KSGPA22540	136-174MHZ, 25W Input, 100W Output with T/R Switch	\$ 2,709.00

KSGPA22440	136-174MHZ, 3W Input, 100W Output with T/R Switch	\$ 2,988.70
KSGPA22523	136-174MHz, 25W Input, 25-50W Output, with T/R Switch	\$ 2,169.00
KSGPA22260	136-174 MHz, 2-5W Input, 250W Output, 48V, with T/R Switch	\$ 5,253.75
KSGPA22456	136-174 MHz, 2-5W Input, 150W Output, 48V, with T/R Switch	\$ 5,253.75
KSGPA22423	136-174MHz, 3W Input, 25-50W Output, with T/R Switch	\$ 2,374.30
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	\$ 1,867.50
KSGPA22503	136-174MHz, 25W Input, 25-50W Output	\$ 1,867.00
KSGPA22415	136-174MHz 3W Input 100W Output	\$ 2,577.00
KSGPA22515	136-174MHz, 25W Input, 100W Output	\$ 2,405.25
KSGPA22455	136-174 MHz, 2-5W Input, 150W Output, 48V	\$ 4,918.50
KSGPA22259	136-174 MHz, 2-5W Input, 250W Output, 48V	\$ 4,918.50
KSGPA23704	136-174MHz, 3W Input, 50W Output, 5-Pack	\$ 1,872.00
KSGPA22416	136-174MHz, 3W Input, 100W Output, 5-Pack	\$ 2,405.25
KSGPA23520	450-512MHz, 25W Input, 50-100W Output, with T/R Switch	\$ 3,062.25
KSGPA23421	406-450MHz, 3W Input, 20-40W Output, with T/R Switch	\$ 2,475.00
KSGPA23423	450-512MHz, 3W Input, 20-40W Output, with T/R Switch	\$ 2,475.00
KSGPA23420	450-512MHz, 3W Input, 50-100W Output, with T/R Switch	\$ 3,062.25
KSGPA23453	450-512MHz, 3W Input, 100W Output, with T/R Switch	\$ 4,811.00
KSGPA23551	406-450MHz, 25W Input, 150W Output, with T/R Switch	\$ 4,811.00
KSGPA23401	406-450MHz, 3W Input, 20-40W Output	\$ 2,175.75
KSGPA23403	450-512MHz, 3W Input, 20-40W Output	\$ 2,175.75
KSGPA23501	406-450MHz, 25W Input, 20-40W Output	\$ 2,175.75
KSGPA23503	450-512MHz, 25W Input, 20-40W Output	\$ 2,175.75
KSGPA23411	406-450MHz, 3W Input, 50-100W Output	\$ 2,763.00
KSGPA23413	450-512MHz, 3W Input, 50-100W Output	\$ 2,763.00
KSGPA23513	450-512MHz, 25W Input, 50-100W Output	\$ 2,763.00
KSGPA23511	406-450MHz, 25W Input, 50-100W Output	\$ 2,763.00
KSGPA23451	406-450MHz 3W Input 150W Output	\$ 4,811.00
KSGPA23443	450-512MHz, 3W Input, 150W Output	\$ 4,227.75
KSGPA23541	406-450MHz, 25W Input, 150W Output	\$ 4,227.75
KSGPA23543	450-512MHz, 25W Input, 150W Output	\$ 4,227.75
KSGPA23562	450-512MHz, 25W Input, 50-100W Output	\$ 14,874.75
KSGPA23563	450-512MHz, 25W Input, 50-100W Output	\$ 14,874.75
KSGPA23560	450-512MHz, 25W Input, 250W Output	\$ 14,874.75
KSGPA23561	450-512MHz, 25W Input, 50-100W Output	\$ 14,874.75
KSGPA23707	450-450MHz, 2-5W Input, 50W Output 5-Pack	\$ 2,178.00
KSGPA23705	450-512MHz, 3W Input, 50W Output, 5-Pack	\$ 2,178.00
KSGPA22252	450-512 MHz, 5-10W Input, 50W Output 5-Pack	\$ 2,178.00
KSGPA23708	403-450MHz, 5-10W Input, 50W Output, 5-Pack	\$ 2,178.00
KSGPA23702	403-450MHz, 3W Input, 100W Output, 5-Pack	\$ 2,763.00
KSGPA23703	450-512MHz, 3W Input, 100W Output, 5-Pack	\$ 2,763.00
KSGPA23052	403-450 MHz 5-10W Input 100W Output 5-Pack	\$ 2,763.00
KSGPA23713	450-512 MHz 5-10W Input 100W Output 5-Pack	\$ 2,763.00
KSGPA23706	450-512 MHz, 25W Input, 100W Output 5-Pack	\$ 2,763.00
KSGMT90005	RACK, BLACK, 5-PACK <i>Note : Must be ordered when Vertical Mount (KSGPA22723 or KSGPA22724 is ordered. One rack can hold up to 5 amplifier</i>	\$ 712.00
<b>DUPLEXER (OPTION) - ONE PER REPEATER</b>		<b>LIST</b>
KSGDX12556	DUPLEXER 6 CAVITY VHF BPBR <i>Note : Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable</i>	\$ 6,263.00
KSGDX13546	DUPLEXER 6 CAVITY UHF BPBR (450-470MHz ONLY) <i>Note : Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.</i>	\$ 5,060.00
KSGDX23101	DUPLEXER 4 CAVITY UHF BPBR (450-470MHz ONLY) <i>Note : Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.</i>	\$ 1,812.00
KSGDX28693	4 Cavity UHF BpBr Duplexer (470-512MHz Only)	\$ 1,812.00
<b>HARDWARE OPTIONS</b>		<b>LIST</b>
KA-24BFSM	EXTENSION CONNECTOR FOR RX (MULTICOUPLER) <i>Note : Order if you want to not connect the cables directly to the repeater, instead you want to connect through a flexible cable</i>	\$ 47.00

KA-24NFSM	EXTENSION CONNECTOR FOR GPS, TX, RX (ANT/DUPLXR) <i>Note</i> : Order if you want to not connect the cables directly to the repeater, instead you want to connect through a flexible cable	\$ 47.00
KA-VOC-2M	ANALOG 4-WIRE TO DIGITAL (DMR) CONVERTER <i>Note</i> : Optional item, only if you want to convert analog 4-wire audio to DMR	\$ 788.90
3351557001	GPS ANTENNA SECURE SYNC KIT <i>Note</i> : Order one per site. Provides antenna connection to the GPS receiver for simulcast repeaters	\$ 580.00
3351558001	GPS ANTENNA SURGE SUPPRESSOR <i>Note</i> : Optional, item. Protects the GPS receiver inside the repeater from surges	\$ 580.00
KA-GPSM	GPS RECEIVER	\$ 485.30
<b>POWER SUPPLY OPTIONS</b>		<b>LIST</b>
KSGPS20200	POWER SUPPLY, 20A, 13.8VDC <i>Note</i> : when operating repeater without AMP - 25W - incompatible with amplifier	\$ 304.20
KSGPS20400	POWER SUPPLY, 40A ,13.8VDC, 19" WIDE RACK MOUNTED <i>Note</i> :upto 100W one per repeater , Incompatible with 150W or 250W amplifier option	\$ 566.70
KSGPS20352	POWER SUPPLY, 35A, 13.8VDC, 19" WIDE RACK MOUNTED WITH SMART CHARGER <i>Note</i> : Incompatible with 150W or 250W amplifier option. - one per repeater - up to 100W	\$ 1,430.00
KSGPS20701	POWER SUPPLY, 70A, 13.8VDC, 19" WIDE RACK MOUNTED <i>Note</i> : one 150/250W repeater or two 100 W	\$ 1,430.00
KSGPS20702	POWER SUPPLY 70A, 13.8VDC, 19" WIDE RACK MOUNTED WITH SMART CHARGER <i>Note</i> : one 150/250W repeater	\$ 1,836.00
<b>MOUNTING RACK</b>		<b>LIST</b>
KSGMCAB4	77" (40RU) LOCKING CABINET WITH CRATE	\$ 3,104.00
KSGMRCK3	3' (17RU) ALUMINUM EQUIPMENT RACK WITH CRATE	\$ 1,139.00
KSGMRCK7	7' (45RU) ALUMINUM EQUIPMENT RACK WITH CRATE	\$ 2,266.00
KSGMT20020	42" (20RU) LOCKING CABINET	\$ 2,110.00
KSGMT0C20U	CRATE FOR 42" (20RU) LOCKING CABINET <i>Note</i> : Optional for situations where extra protection during transportation is required.	\$ 1,416.80
KSGMT20001	CABINET SOLID TOP PANEL	\$ 95.00
KSGMT20002	CABINET FAN TOP ASSEMBLY	\$ 459.00
VP-10-BPM	CLOSURE 10TE, FOR VERTICAL MOUNTING	\$ 114.48
VP-4-BPM	CLOSURE 4TE, FOR VERTICAL MOUNTING	\$ 64.80
<b>ERNET SWITCH &amp; ROUTER OPTIONS</b>		<b>LIST</b>
<b>Note</b> : One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. The HPE ARUBA 6000 and HPE ARUBA 6100 Series switches are exclusively tested for Unicast networks only. Their qualification for multicast networks is pending.		
KSGNS50008	CISCO 350 SERIES 8-PORT SWITCH <i>Note</i> : Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7	\$ 962.98
KSGNS50016	CISCO 350 SERIES 16-PORT SWITCH <i>Note</i> : Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7	\$ 1,010.23
KSGNS50024	CISCO 350 SERIES 24-PORT SWITCH <i>Note</i> : Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7	\$ 1,354.48
KSGNS50048	CISCO 350 SERIES 48-PORT SWITCH <i>Note</i> : Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7	\$ 2,180.23
KSGNS1008	CISCO CATALYST 1000 SERIES 8 PORT SWITCH <i>Note</i> : Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7	\$ 807.73
KSGNS1016	CISCO CATALYST 1000 SERIES 16 PORT SWITCH <i>Note</i> : Rack-mountable, occupies 1 RU , mounting options: KSGMRCK3, KSGMRCK7	\$ 1,672.00
KSGNS1024	CISCO CATALYST 1000 SERIES 24 PORT SWITCH <i>Note</i> : Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7	\$ 1,575.00
KSGNS1048	CISCO CATALYST 1000 SERIES 48 PORT SWITCH <i>Note</i> : Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7	\$ 2,337.73
KSGNS60012	HPE ARUBA 6000 SERIES 12-PORT SWITCH <i>Note</i> : Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7	\$ 1,815.73
KSGNS60024	HPE ARUBA 6000 SERIES 24-PORT SWITCH <i>Note</i> : Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7	\$ 2,002.48

KSGNS60048	HPE ARUBA 6000 SERIES 48-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 3,406.48
KSGNS61012	HPE ARUBA 6100 SERIES 12-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 2,733.73
KSGNS61024	HPE ARUBA 6100 SERIES 24-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 4,427.98
KSGNS61048	HPE ARUBA 6100 SERIES 48-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 6,502.48
KSGUT10001	MOUNTING TRAY, 1RU <i>Note: Provides mounting space for up to two accessories</i>	\$ 123.50
KSGMS100P1	15A POWER STRIP, 19" RACKMOUNT, 1RU <i>Note: One recommended per rack when including a switch and/or router</i>	\$ 154.00
KSGRT2003	ROUTER	\$ 4,249.44
<b>SERVICE</b>		<b>LIST</b>
3392400001	KAIROS AND NX COVERAGE ANALYSIS & TDI STUDY-1st SITE	\$ 175.00
3392400002	KAIROS AND NX COVERAGE ANALYSIS & TDI STUDY-EACH ADDITIONAL SITE	\$ 125.00
3392500001	IMPLEMENTATION SUPPORT SERVICE (1 HOUR)	\$ 248.00
3392600001	NETWORK DESIGN(1 HOUR)	\$ 248.00
3392600002	NETWORK DESIGN REVIEW(1 HOUR)	\$ 248.00
3392600003	NETWORK CONFIGURATION(PER DEVICE)	\$ 496.00
3392600004	NETWORK TROUBLESHOOTING(1 HOUR)	\$ 248.00
3392700001	SYSTEM DESIGN ASSISTANCE(1 HOUR)	\$ 248.00
<b>TRAINING</b>		<b>LIST</b>
339TRNGK101	Kairos Basic Training - In House	\$ 1,980.00
339TRNGK001	Kairos Basic Training - On Site	\$ 5,060.00

**KENWOOD**

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**NEXEDGE®**

**Price Guide**

*Effective Date:05/02/2024*

# KENWOOD

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## List Price Guide

Effective Date: 03.01.2023