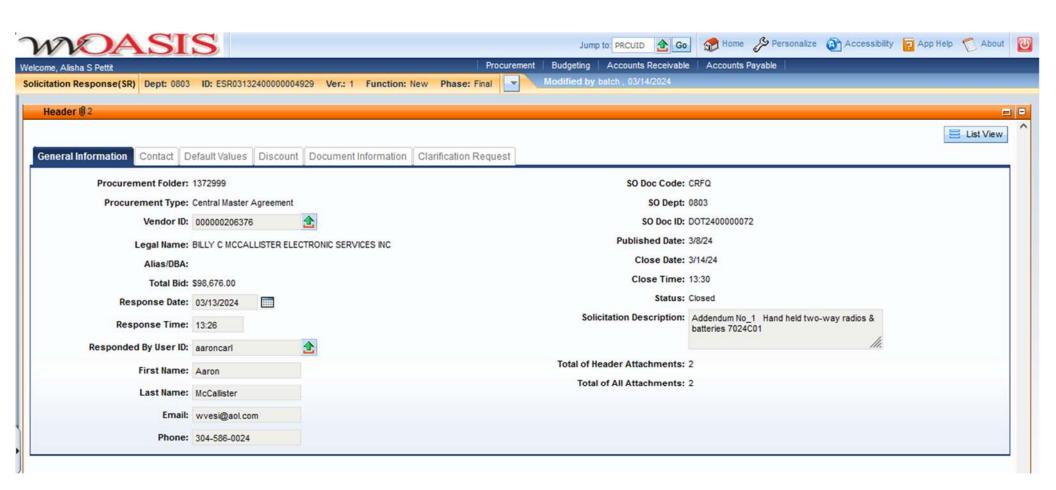
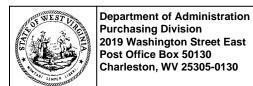


2019 Washington Street, East Charleston, WV 25305 Telephone: 304-558-2306 General Fax: 304-558-6026 Bid Fax: 304-558-3970

The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at *wvOASIS.gov*. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at *WVPurchasing.gov* with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.





State of West Virginia Solicitation Response

Proc Folder: 1372999

Solicitation Description: Addendum No_1 Hand held two-way radios & batteries 7024C01

Proc Type: Central Master Agreement

 Solicitation Closes
 Solicitation Response
 Version

 2024-03-14 13:30
 SR 0803 ESR03132400000004929
 1

VENDOR

000000206376

BILLY C MCCALLISTER ELECTRONIC SERVICES INC

Solicitation Number: CRFQ 0803 DOT2400000072

Total Bid: 98676 **Response Date:** 2024-03-13 **Response Time:** 13:26:51

Comments:

FOR INFORMATION CONTACT THE BUYER

John W Estep 304-558-2566 john.w.estep@wv.gov

Vendor Signature X

FEIN# DATE

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

 Date Printed:
 Mar 14, 2024
 Page: 1
 FORM ID: WV-PRC-SR-001 2020/05

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	radio, battery, desktop charger, antenna, belt	500.0000	0 EA	177.000000	88500.00
	clip kit				

Comm Code	Manufacturer	Specification	Model #	
43191510				

Commodity Line Comments: BD502i-V1 136-174MHz Power 1-5 Watts, DMR Tier II and Analog conventional mode

Extended Description:

radio, battery, desktop charger, antenna, belt clip kit

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	replacement battery	200.0000	0 EA	50.880000	10176.00

Comm Code	Manufacturer	Specification	Model #	
26111701				

Commodity Line Comments: 2000mAh Li-ion Battery (RoHS)

Extended Description: replacement battery

 Date Printed:
 Mar 14, 2024
 Page: 2
 FORM ID: WV-PRC-SR-001 2020/05







Hytera's BD5i series two-way radio is the compact device that provides professional communications and easily operated . Today, communication tools are the key to improved efficiency. When we ask for clear voice, it means a reliable talk, easy-to-hear and understand. Long battery life helps you to maintain control. A rugged and robust device takes the worry out of communicating. High-performance but simple operation will make everything go easy.

Hytera understands customers' requirements and meets them all in one. With lightweight, easy-operation, excellent performance, long battery life and reliability. We redefine a business radio using Hytera digital technology and quickly responding to what you need.

EXCELLENT PERFORMANCE

With innovative design, BD5i series has better performance than analog radios. Excellent reception ability makes talk range further extended. DMR digital radios with good performance and negligible interference, provide stable communication.

RUGGED AND RELIABLE

BD502i/BD552i is designed and tested to meet Military Standards 810 G, including temperature shock, vibration, high & low temperature and humidity. IP54 dust and water-proof design guarantees the reliability in different environments. Based on TDMA technology, the radio can work longer, up to 22 hours in digital mode.

CLEAR VOICE

With digital encoding and correction technology, human voice is transmitted clearer without noise, even over greater distance. This is a new experience of improved audio quality.



PROFESSIONAL AND SIMPLE TO USE



A/D ANALOG & DIGITAL DUAL MODES

BD502i/BD552i can support both analog and digital modes on the same hardware. You can switch between two operation modes easily and it helps you to communicate with analog radios.



ANALOG & DIGITAL AUTO DETECT

BD502i/BD552i can detect the signal type when receiving a call, then automatically switches between analog mode and digital mode. During the call hang time, user can reply by using the push-to-talk. This is migration technology from analog to digital.



EXTENDED TALK RANGE

Based on Hytera innovative technology, your talk range is extended.



LONG WORKING TIME

Based on TDMA technology, BD5i series in digital mode can work upto 16 hours @1500mAh or 22 hours @2000mAh in 5-5-90 mode.



CLEAR VOICE

Excellent audio quality comes from the DMR digital technology, which makes communication more reliable.



RELIABLE AND DURABLE

BD502i/BD552i is compliant with MIL-STD-810 G and IP54.



ANTI-INTERFERENCE

Adopted digital encoding and error correcting module, BD5i series has the ability to avoid signal interference on the same frequency.



DMR DMR SIGNALING

With DMR signaling, transmitting group call, private call and all call with PTT ID becomes quite easy.



REPEATER MODE OPERATION

Utilize a DMR Tier II repeater to extend your communication range.



ONLY OF THE PROPERTY OF THE P

Channel number announcement helps you to switch channels quickly and correctly, even in operations with low visibility.



VOX

This feature allows you to activate the radio microphone via your voices volume, and frees your hand from PTT.



SCANNING

Allow BD5i series listening to communication activities on other channels.

ACCESSORIES

STANDARD ACCESSORIES



AN0435W09 Whip Antenna, 400-470MHz,^① 16cm



BL1506 1500mAh Li-ion battery



CH10L23 BD5i standard dropin single unit charger



BC08 Belt clip



RO03 Nylon hand strap



Power Adapter input: 100-240VAC, output: 12VDC/1A

US/UK/AU/EU/CHINA/JAPAN

OPTIONAL ACCESSORIES



EHM15 D-style earpiece with in-line PTT & MIC VOX switch



EHM18 C-style earpiece with in-line PTT & MIC VOX switch



ESM12 Ear-bud with PTT on MIC

VOX switch



EAM12 Ear-bud with PTT on MIC



EAM13 2-wire surveillance earpiece

VOX switch VOX switch



ACM-01 PTT&MIC-only with 3.5mm jack



FS-01 Receive-only ear-bud



ES-02 Receive-only surveillance earpiece



EH-01 Receive-only C style earpiece



EH-02 Receive-only earhook speaker



PC76 Data programming cable



SM08M3 Remote speaker microphone with 3.5mm audio jack



SM26M1[®] Remote speaker microphone

with 2.5mm audio jack



LCBN13 Universal nylon chest Pack



NCN011 Nylon carrying jacket



BL2018 2000mAh Li-ion battery



MCL19 BD5i multi-unit charger



AN0435H13 Stubby antenna, 400-470MHz, 9cm



CHV09 Vehicle adapter (Input: 11-25V DC, Output: 12V DC & 1A)

lp54

① SM26M1 can be used with earpieces EAS03,EHS17/18,ESS10.

SPECIFICATION

		General		
Frequency Range		UHF:400-470 MHz VHF:136-174 MHz		
Channel Capacity		BD502i: 48, BD552i: 256		
Zone Capacity		BD502i: 3, BD552i: 16		
Channel Spacing		25/12.5KHz		
Operating Voltage		7.2V		
Display		BD502i without display BD552i with display (0.91")		
Battery		1500mAh (Li-lon) 2000mAh (Li-lon)		
Battery Life (5/5/90)		Analog/Digital: 12/16 hours (1500mAh) 16/22 hours (2000mAh)		
Weight		BD502i: 240g, BD552i: 250g (With AN0435W09 and BL1506)		
Dimensions		BD502i: 108×54×28mm BD552i: 110×59×30mm		
Frequency Stability		±0.5ppm		
Antenna Impedance		50Ω		
	F	Receiver		
Sensitivity (Digital)		0.22μV / BER 5%		
Sensitivity (Analog)		0.22μV (Typical) (12dB SIN AD) 0.4μV (20dB SIN AD)		
Adjacent Selectivity	TIA-603	60dB @ 12.5KHz/70dB @ 25KHz		
Spurious Response Rejection	TIA-603	70dB @ 12.5/25KHz		
Inter-modulation	TIA-603	65dB @ 12.5/25KHz		
Hum & Noise		40dB @ 12.5KHz 45dB @ 25KHz		
Rated Audio Power O	utput	0.5W		
Rated Audio Distortio	n	≤3%		
Audio Response		+1 ~ -3dB		
Conducted Spurious Emission		<-57dBm		

Transmitter				
RF Power Output	VHF High power: 5W VHF Low power: 1W UHF High power: 4W UHF Low power: 1W			
FM Modulation	11K0F3E @ 12.5KHz 16K0F3E @ 25KHz			
4FSK Digital Modulation	12.5KHz Data Only: 7K60FXD 12.5KHz Data & Voice: 7K60FXW			
Conducted/Radiated Emission	-36dBm <1GHz, -30dBm >1GHz			
Modulation Limiting	±2.5KHz @ 12.5KHz ±5.0KHz @ 25KHz			
FM Hum & Noise	40dB @ 12.5KHz 45dB @ 25KHz			
Adjacent Channel Power	60dB @ 12.5KHz, 70dB @25KHz			
Audio Response	+1 ~ -3dB			
Audio Distortion	≤3%			
Digital Vocoder Type	AMBE+2 TM			
Digital Protocol	ETSI-TS102 361-1,-2,-3			
Environmental				
Operating Temperature	-30°C~ +60°C			
Storage Temperature	-40°C~ +85°C			
ESD	IEC 61000-4-2 (Level 4) ±8kV (Contact) ±15kV (Air)			
Dustproof & Waterproof	IP54 Standard			
Humidity	Per MIL-STD-810 G Standard			
Shock & Vibration	Per MIL-STD-810 G Standard			

All specifications are subject to change without notice due to continuous development.













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 $Hytera\ retains\ right\ to\ change\ the\ product\ design\ and\ specification.\ Should\ any\ printing\ mistake\ occur,$ Hytera doesn't bear relevant responsibility. Little difference between real product and product indicated

Billy C. McCallister Electronic Services Inc.

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Estimate

ADDRESS
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EQUIPMENT DIVISION RT 33

83 BRUSHY ROAD

CROSSING

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US

SHIP TO

DIVISION OF HIGHWAYS, EQUIPMENT DIVISION RT

33

83 BRUSHY ROAD

CROSSING PO BOX 610

BUCKHANNON, WV 26201

US

ESTIMATE # 3220 **DATE** 03/13/2024

TRACKING NO. MEMO
CRFQ-0803-DOT240000072-2 Motorola

SKU	ACTIVITY	DESCRIPTION		QTY	RATE	AMOUNT	
BD502i- V1	Two- Way:BD502i- V1	Power 1-5 Watts, DMR Tier II and Analog conventional mode		500	177.00	88,500.00	
BL2018	Two- Way:BL2018	2000mAh Li-ion Battery (RoHS)		200	50.88	10,176.00	
CRFQ-0803-DOT2400000072-2		7	SUBTOTAL FAX FOTAL		\$98,	98,676.00 0.00 ,676.00	

Accepted By Accepted Date