

**AGENDA**  
CRHSAC Interoperability Subcommittee Agenda (Hybrid)  
**Tuesday, April 7<sup>th</sup>, 2026**

**2:30 PM**

CMEMSC

361 Holden St.

Holden, MA 01520

&

<https://us02web.zoom.us/j/85817858831>

1. **Call To Order:** Mr. Greg Lynskey
  - a. Introductions
2. **Minutes of February 3<sup>rd</sup>, 2026**
  - a. Vote to accept Minutes
3. **Financial**
4. **Chair Report:** Mr. Greg Lynskey
5. **Project Status:**
  - a. **Completed Projects:**
    - i. CMED Fire District Radios (FFY24 F.04)
  - b. **Project Updates:**
    - i. UHF Project (FFY24 F.05)
      1. Discussion & vote
    - ii. CEMLEC Portable Radios for Drones and Motor Units (FFY23 I.02 & FFY24 F.01)
      1. Discussion & vote
    - iii. D7 Orange Project (FFY23 I.03)
      1. Discussion & vote
    - iv. Other projects
      1. Possible discussion & vote
  - c. **New Business:**
    - i. Other projects
      1. Possible discussion & vote
  - d. **Old Business:**
    - i. Other projects
      1. Possible discussion & vote
  - e. **SIEC Meeting Report/Updates: (Last Meeting: April 1, 2026; Next Meeting: May 6, 2026)**
6. **New Business Unforeseen by the Chair:**

7. **Next Meeting:** TBD

8. **Adjourn**

\* This meeting is audio recorded



## Minutes

CRHSAC Inter-Operability Subcommittee (Hybrid)

Tuesday, February 3<sup>rd</sup>, 2026, 2:45 PM

CMEMSC, 361 Holden St., Holden, MA 01520

Members Present: **Greg Lynskey**, Chair, SWCCC; **Tina Dixon**, Director, Central MA EMS Corp.; **Gary Fleischer**, Fire Chief, Worcester Fire; **Gerald Millette**, Chief, Warren Police; **Jeff Saad**, Police Chief, Webster Fire; **Paul Salvadore**, Worcester County Sheriff's Office; **Christopher Montiverdi**, Assistant Chief, Leicester Fire/EMS; **Russ Hall**, Chief, Holden Fire; **Marek Karlowicz**, Chief, Dudley Police; **Andrew Golas**, Town Administrator, Town of Charlton; **Chris Carelton**, NVRD.

Attendees: **Carli Harris**, CMRPC; **Anthony Senesi**, CMRPC; **Seth Peters**, CMRPC, **Sarah Cook**, EOPSS; **Richard Fiske**, MA-SWIC; **Robert Connolly**, Director, Worcester Emergency Management; **Raymond Ferrin**, MEMA; **Patrick Haverty**, Assistant Chief, Fitchburg Fire

Call To Order: Mr. Lynskey called the meeting to order at 3:00 pm.

Introductions: Tabled until Full Council Meeting.

Minutes: Meeting minutes of January 6<sup>th</sup> 2026, were presented. Motioned by **Chief Fleischer** to accept the minutes, seconded by **Ms. Dixon**. **Motion passed unanimously.**

Financial: Tabled until Full Council Meeting.

Chair Report: Mr. Lynskey, None.

### Project Status:

#### Completed Projects:

1. None

#### Project Updates:

- 1. UHF Project (FFY23 I.03 to FFY24 F.05)**

Ms. Harris stated that FFY23 is overallocated, and the project needs to be moved to FFY24. **Assistant Chief Montiverdi made a motion to move the UHF Project from FFY23 I.03 to FFY24 F.05 for the original amount of \$56,761.22, seconded by Ms. Dixon. Motion to adjourn passes unanimously.**

- 2. CEMLEC Portable Radios for Drones and Motor Units (FFY23 I.02 & FFY24 F.01)**

Ms. Harris said she will follow up on the status of programming and installation.

- 3. D7 Orange Project (FFY23 I.03)**

No updates.

- 4. CMED Fire District Radios (FFY24 F.04)**

Mr. Lynskey stated that the CMED Fire District Radios were delivered to the vendor.

- 5. Other Projects**

None

#### New Business:

- 1. Worcester County CoMIRS Talk Group Discussion**

Mr. Lynskey stated that Central Massachusetts is the only region that uses an LPS channel as a PSAP-to-PSAP channel. Mr. Lynskey stated that in all the other parts of the State, the LPS channels are specific special incident type use, and each of those regions have their own radio systems. Mr. Lynskey stated that once the CoMIRS system is built out, there will be the creation of Worcester County South, Worcester County North, Worcester County South Tak, and Worcester County North Tak. Mr. Lynskey stated that once they are created, they will move the PSAP to PSAP communications bowls off LPS7 and return LPS7 for its intended use. Mr. Lynskey stated that the delineation line will be roughly split on the boundaries of District 7 and District 8.

**2. Other projects**

None

Old Business: None.

SIEC Meeting Report/Updates: (Next Meeting: February 4, 2026 (postponed due to lack of submitted projects))

Mr. Lynskey stated that Rich Fiske hosted a Public Safety Communications Interoperability Summit in Maynard about a week and a half ago. Mr. Lynskey stated that there was a discussion regarding the impact of the FIFA World Cup and 250<sup>th</sup> Anniversary festivities in June-July 2026. Mr. Lynskey suggested that this be discussed during the next Council monthly meeting.

New Business Unforeseen by the Chair:

No updates.

Next Meeting: TBD

Adjourn: **Chief Hall** made a motion to **adjourn the meeting**, seconded by **Chief Fleischer**. **Motion to adjourn passes unanimously. Meeting adjourned at 2:59 pm.**

Minutes taken by Anthony Senesi.

Minutes approved on \_\_\_\_\_.

**Massachusetts Executive Office of Public Safety and Security  
Office of Grants and Research - Homeland Security Division  
Project Justification Template**

I. **Project Name and Number:** PJ24-F.05 Worcester Area Campus Interop System

II. **Homeland Security Region:** Central, FF23

III. **Anticipated Project Date Range:** January 31, 2026 – January 31, 2028

IV. **Project Description:**

**Proposed Activity:**

Purchase, program and install communications infrastructure at the City of Worcester (CoW) Communications Site – Millstone, to create an interoperability communications system between area hospital campuses, higher education campuses, Worcester Regional Emergency Communications Center and the Commonwealth of Massachusetts Interoperable Radio System. Minor updates to 8tac repeater and Fire District 7 Orange system.

**Project Need:**

Funding for the purchase and install of a UHF repeater and combiner. Purchase and installation of cable and antennas on the CoW radio tower. Purchase, programming and installation of any needed supplies to connect trunked radio system. Programming of necessary public safety consoles.

**Measurable Outcomes:**

Enhancing the protection of soft targets/crowded places as well as, enhancing information and intelligence sharing. These are two of six Homeland Security Priority Areas that require 30% of the funding by DHS/FEMA. Ensuring continued quality operation of 8Tac and Fire District 7 Orange System.

Addressing the Core Capabilities of operational coordination and intelligence and information sharing of the two priority areas by constructing an improved interop communication system.

**Background:**

Originally, this project was planned in 2010's. There were several delays and problems that prevented the completion of the project. First the CoW changed from the former EDACS radio system to the current digital Motorola trunked platform. The acquired radio was a surplus radio donated to the project which needed to be reprogrammed and licensed. The 50-year-old surplus combiner supplied by the CoW was found to have multiple broken ports and needed repair. In addition, many of the local campus public safety departments needed to upgrade their radios to accommodate another channel.

Recently, Worcester Emergency Management in conjunction with several of these campus public safety departments have identified through the emergency planning process that re-consideration of this project would greatly enhance response to major public safety events on any of the campuses.

**Funding Year, Source, and Justification Area** (Prevention, Protection, Mitigation, Response, or Recovery):

FFY2023, SHSP, Response.

**Project Management and Participants:**

Chief Gary Fleischer fleischer@worcesterma.gov

Seth peters Program Manager speter@cmrpc.org

Robert Connolly Worcester EM connollyr@worcesterma.gov (POC)

**V. Milestones:**

Milestones	Tasks/Activities	Start Date	Completion Date	Estimated Cost
CRHSAC approval		January 2025	Same	0
SIEC approval		February 2025	Same	0
EOPSS approval		March 2025	Same	0
Specification and RFP		April 2025	Same	0
Equipment Order		April 2025	July 2025	0
Antenna and Cable installation		May 2025	May 2025	\$27,160.00
Combiner Installation		June 2025	June 2025	\$36,486.10
Radio Installation	Go Live	August 2025	September 2025	\$15,035.80
(total without freight)				\$78,681.90

**VI. Budget Plan by Cost Category:**

<b>Planning</b>	0
<b>Equipment</b>	\$55,643.90
<b>Labor</b>	\$22,458.00
<b>Freight</b>	\$580.00
<b>Training</b>	0
<b>Exercises</b>	0
<b>Maintenance</b>	0
<b>Organization</b>	0
<b>Total</b>	<b>\$78,681.90</b>

**VII. Budget Detail:**

Cost Category	Description	AEL #	Quantity	Unit Cost	Total
Labor	Tower Climb	06CP-03-TOWR	1	22,458.00	22,458.00
Equipment	Antenna and Cable	06CP-03-NRSC	1	11,580.00	11,580.00

Equipment	Radio, Rack and Backup power supply	06CP-01-REPT	1	11,327.80	11,327.80
Equipment	Combiner, cables and Rack	06CP-02-BRDG	1	32,736.10	32,736.10
Freight			1	580.00	580.00
				<b>GRAND TOTAL</b>	78,681.90

FEMA Authorized Equipment List numbers (AEL #) can be found [HERE](#).

**How much of the above project total amount is for Law Enforcement Terrorism Prevention-oriented Activities?**

<b>\$56,761.22</b>
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**VIII. Typed Resources:** For FFY 2011 funds and beyond, for each equipment or training expense cited above, please provide the requested information in the table below:

Description (from above table)	Core Capability Supported	NIMS or State/Local Typed Resource Supported (if typing guidance exists at <a href="http://fema.gov/resource-management">fema.gov/resource-management</a> )
Antennas and Cables	Operational Communications	N/A
Radio/Repeater	Operational Communications	N/A
Combiner	Operational Communications	N/A

List of FEMA's 32 Core Capabilities can be found [HERE](#)

**IX. EHP Review:**

N/A

**X. SIEC Review:**

=====PROPOSAL/CONTRACT=====



Industrial Communications LLC  
40 Lone Street  
Marshfield, MA 02050  
781-837-7000 Fax 781-837-4000

Proposal Submitted To: City Of Worcester		Phone 508 561 8862	Date 1-29-2026
Street 50 Officer Manny Familia Way		Job Name	
City, State and Zip Code Worcester Ma 01605		Job Location	
Architect None	Date of Plans None	Attn: Mr. Scott Bollock	Job Phone None

**SOW:** Repair/replace existing uhf components antennas and cables.

- 1) The current PD458-2N receive antenna is located at 104-118' level on the B leg (north) Rohn 170' self-supporting tower has failed. The antenna is currently fed with 1 5/8" heliax orange/violet. The current (2) transmit antennas located at the 123 & 125' levels on the A&B leg (north) are well beyond their recommended lifespans. In addition, both antennas are currently fed with 7/8" heliax antenna cables tape color white.
- 2) Existing antennas and cables described above are to be removed and using existing side arms, replaced with two Telewave ANT450F6 450-470 MHz antennas with new 7/8" heliax on tower leg B (north) at 104' and 124' levels, and one Telewave ANT450D3 dual dipole antenna utilizing 1/4 wave spacing and a 6.2dB offset pattern on leg A (southwest) at 125' level using a 10' pipe mounted in existing side-arm bracket.
- 3) All heliax cables are to be routed into the existing transmitter building and terminated with new antenna arrestors onto the existing ground bars at entrance panel. Connectors throughout the antenna system shall be only of N type.
- 4) The existing 4' Telewave VHF District 7 fire interop antenna located at the 95' level is to be replaced on same tower, new antenna is located in building at tower location. New antenna is to be installed as per above specifications using existing side mount and cables, a new jumper shall be installed and weatherproofed to existing connections on cable.

Materials 11,580.00  
Shipping 580.00  
No tax (will need tax form)  
Labor 15,000.00  
Total 27,160.00

Thank you very much for the opportunity to be of service. Should you have any questions or require any additional information, please do not hesitate to contact me at 781-319-1022

Sincerely,  
Bob Campbell

**We Propose** hereby to furnish material and labor – complete in accordance with above specifications, for the sum of:

As listed (\$ \_\_\_\_\_ ).

Payment to be made as follows:

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specification involving extra costs will be executed only upon written orders, and will become an extra charge over and above the sum quoted in this Proposal/Contract. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance. Any and all costs incurred by IC&E to obtain collection shall be added to the balance.

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

**Note:** This Proposal/Contract may be withdrawn by us if not accepted in \_\_ days.

**Acceptance of Proposal** - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: \_\_\_\_\_

Signature \_\_\_\_\_



48421 Millmont Drive  
 Fremont, CA 94538  
 sales@telewave.com  
 (408) 929-4400  
 Fax (408) 929-4080

# QUOTATION

Quotation Number 6614  
 Customer Purchase #  
 Quote Date 02/02/26  
 Expiration Date 05/03/26

**Customer:** 2025104  
 CITY OF WORCESTER  
 50 Officer Manny Familia Way  
 WORCESTER, MA 01605-  
 USA

**Attention:** SSCOTT BULLOCK  
 Telephone: 508-799-1720 X29527  
 Email: BullockS@worcesterma.gov

**Ship to:**  
 CITY OF WORCESTER  
 50 Officer Manny Familia Way  
 WORCESTER, MA 01605-  
 USA

Rep Firm -

Quote By		Reference	Lead Time	Incoterms	Classification	Terms
Liz Navarro		CITY OF WORCESTER	5 Weeks	EXW Factory (Fremont, California, U.S.A)	SYS	Net 30
ITEM #	QTY.	MODEL	DESCRIPTION	UNIT PRICE (US\$)	EXTENSION (US\$)	
			<b>CITY WORCESTER/CAMPUS INTEROP</b>			
			<b>5 CH UHFTX COMBINER &amp; RX MULTICOUPLER</b>			
			<b>REF SCHEMATIC 95233-1-1-A</b>			
4	5	T-4560	400-512 MHZ DUAL ISOLATOR	1,795.57	8,977.85	
			<b>TX FREQUENCY REQUIRED</b>			
6	5	TWPC-4508-3Q	3/4 WAVE 8" SINGLE PASS CAVITY	897.21	4,486.06	
7	2	TWPC-4505-1M	5" SINGLE PASS CAVITY-PNL MONT	553.99	1,107.99	
			<b>REQUIRES FREQUENCY</b>			
9	1	PNL035	PANEL, FRONT 860 COMBINER	292.00	292.00	
10	1	5125	POWER MONITOR BRACKET 900 SMR	71.25	71.25	
11	1	TW6-450	6-WAY JUNC 300-512MHZ N-F 400W	675.19	675.19	
12	1	PM10C2S1C	RF POWER MONITOR PNL	1,586.17	1,586.17	
13	10	CO039	CONNECTOR,ELBOW LONG M TO M	72.00	720.00	
14	6	PM-2A-450	DUAL PWR MNTR 380-512 MHZ	317.60	1,905.62	
			<b>REQUIRES TX FREQUENCY</b>			
16	1	PNL141	PANEL, FRONT 3 & 5" CAVITIES	159.30	159.30	
17	13	TW2	CBL RG214/U N-M/N-M CRITICAL	199.33	2,591.24	
18	6	CBL003	CABLE, DUAL AUDIO 12 FT	40.00	240.00	
19	7	TWPC-4504-1	400-512 MHZ SINGLE PASS CAVITY	597.81	4,184.70	
			<b>REQUIRES FREQUENCY</b>			
21	1	PNL023	PANEL, 8-4" CAVITY TPRD-4546	102.00	102.00	
22	2	TWCH-2	2 CHANNEL PHASING HARNESS	499.89	999.77	
23	1	10830	CABLE, RG214 25.00 CUT LENGTH	101.50	101.50	
24	1	TWR8-450-1R	400-512MHZ 8 CH 1RU DIST PANEL	2,727.12	2,727.12	
			<b>REQUIRES RX FREQUENCY</b>			
26	3	TWL-01	.25 WATT COAXIAL LOAD N-MALE	53.14	159.42	



48421 Millmont Drive  
 Fremont, CA 94538  
 sales@telewave.com  
 (408) 929-4400  
 Fax (408) 929-4080

**QUOTATION**

**Quotation Number 6614**  
**Customer Purchase #**  
**Quote Date 02/02/26**  
**Expiration Date 05/03/26**

**Customer:** 2025104  
 CITY OF WORCESTER  
 50 Officer Manny Familia Way  
 WORCESTER, MA 01605-  
 USA

**Attention: SSCOTT BULLOCK**  
 Telephone:508-799-1720 X29527  
 Email: BullockS@worcesterma.gov

**Ship to:**  
 CITY OF WORCESTER  
 50 Officer Manny Familia Way  
 WORCESTER, MA 01605-  
 USA

**Rep Firm -**

Quote By		Reference	Lead Time	Incoterms	Classification	Terms
Liz Navarro		CITY OF WORCESTER	5 Weeks	EXW Factory (Fremont, California, U.S.A)	SYS	Net 30
ITEM #	QTY.	MODEL	DESCRIPTION		UNIT PRICE (US\$)	EXTENSION (US\$)
27	1	TBR84-19B-EXT	19 X 84" WITH EXTENDED BASE		1,648.92	1,648.92
28	15	MANF	MANUFACTURING LABOR / / <b>TELEWAVE ONLY PRODUCT</b> <b>NOT SOLD THROUGH DISTRIBUTION</b> <b>DISCOUNT APPLIES TO THIS QUOTE ONLY</b> <b>PO TO REFERENCE EXACT QUOTE DATA</b> <b>(PART NUMBER, QTY, PRICE, QUOTE NUMBER)</b> <b>SHIPPING NOT INCLUDED</b> / /  <b>*Any use or reproduction of the information</b> <b>contained within, is strictly prohibited without the</b> <b>expressed written permission of Telewave.io, Inc.</b>		250.00	3,750.00



48421 Milmont Drive  
 Fremont, CA 94538  
 sales@telewave.com  
 (408) 929-4400  
 Fax (408) 929-4080

# QUOTATION

Quotation Number 6614  
 Customer Purchase #  
 Quote Date 02/02/26  
 Expiration Date 05/03/26

<b>Total Net Amount</b>	<b>36,486.10</b>
<b>Total Misc Charges</b>	<b>0.00</b>
<b>Total Freight</b>	<b>0.00</b>
<b>Total Sales Tax</b>	<b>0.00</b>
<b>Total \$USD</b>	<b>36,486.10</b>

**Ship Date:** 5 Weeks ARO and Notice of Payment Receipt.

**Shipping:** EXW Factory (Fremont, California, U.S.A.)

**Insurance:** All Orders with Freight Prepaid or Prepay & Add are Assessed a Self-Insurance Fee

**Terms:** Quote Valid for 90 Days. Telewave Standard Warranty, Terms and Conditions apply.

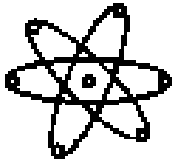
**Taxes:** Applicable sales tax included with orders, unless purchaser's tax exempt status is verified in advance

**Credit Card Fee:** All orders paid by credit card are subject to a 3.5% credit card fee: \$1,277.01

**Please remit to:**

Telewave.io, Inc.  
 48421 Milmont Dr.  
 Fremont, CA 94538  
 EIN: 88-1250952

Account #: 3303675645  
 Bank: Silicon Valley Bank  
 Routing #: 121140399  
 Swift Code: SVBKUS65



**WoRAD Inc.**

299 Brooks St.  
Worcester, MA 01606  
Phone #: (508)852-2693

# PROPOSAL

EXPIRES 30 DAYS FROM:	NUMBER
1/30/2026	Q101657-3

**BILL TO:**

mawdsleys@worcesterma.gov  
WORC., CITY OF, COMMUNICATIONS  
ACCOUNTS PAYABLE  
2 Coppage Drive  
Worcester MA 01603

**SHIP TO:**

WORC., CITY OF (COMM 270)  
2 Coppage Drive  
Worcester MA 01603  
Scott 508-799-1720

QTY	DESCRIPTION	PART NO.	PRICE	TOTAL
1	SLR8000 BASE RADIO 100 WATT CA02962AA - ADD: UHF1 (400-470 MHz) CA02996AA - ADD: WIRELINE	T8319	8,249.60	8,249.60
1	Service Mic	GMMN4063	83.20	83.20
1	Battery Back-up Cable	PMKN4297	91.00	91.00
1	test box speaker	PMKN4166	101.20	101.20
1	BATTERY with BOX	SLA1156	125.00	125.00
5	Jumpers - HELIAX® 1/2 in Superflex (CONNECT 4 EXISTING AND 1 NEW REPEATERS TO COMBINER "N" M CONNECTORS)	FSJ4-50B	146.00	730.00
1	8 ft RG400 JUMPER BNC-BNC		50.00	50.00
5	Jumpers - RG400 (CONNECT 4 EXISTING AND 1 NEW REPEATERS TO multicoupler "N" M CONNECTORS)	RG400 NM-NM	125.00	625.00
50	HELIAX® 1/2 in (2 runs)	LDF4-50A	2.64	132.00
4	Connector	L4TNM-PSA N	17.20	68.80
4	Anchors (connect combiner/multicoupler to new surge arrestors and Install combiner/multicoupler rack and affix to shelter floor)		2.00	8.00
1	Standard Two-Post Relay Rack, 45 RMU		525.00	525.00
1	1/4" x 5/8" x 72" Vertical Mount Ground Bar (Rack Ground)		183.00	183.00
2	12 outlet rack mt w/suppression and emi filter		178.00	356.00
	*** PARTS SUBTOTAL ***			11,327.80
	LABOR (2 men 3 days)		3,708.00	3,708.00

This proposal is provided to you for information purposes only. Additional unforeseen equipment and/or labor may be required at time of service or installation. All work to be done during our normal working hours. Changes to this equipment list and service cost may include:  
ANY ELECTRICAL WORK, ROOFING, ROOF FEED THRU HARDWARE, WALL FEED THRU HARDWARE, SPECIALIZED MOUNTING, AND ANY ADDITIONAL TIME DUE TO INSTALLATION PARAMETERS, UNFORSEEN REQUIREMENTS, OR DIFFICULTIES AT SPECIFIED LOCATION.

*M. Breed*

Prepared by

Customer Acceptance / Date

P.O. NO.:	TERMS
	PO Req NET 30

<b>SUBTOTAL</b>	\$15,035.80
<b>TAX (6.25%)</b>	\$0.00
<b>TOTAL</b>	<b>\$15,035.80</b>

**Massachusetts Executive Office of Public Safety and Security  
Office of Grants and Research - Homeland Security Division  
Project Justification Template**

- I. **Project Name and Number:** PJ23- 9.02 & PJ24-6.01 CEMLEC Portable Radios for Drones and Motor Units
- II. **Homeland Security Region:** Central, FFY24
- III. **Anticipated Project Date Range:** May 2025- July 2025
- IV. **Project Description:**

**Proposed Activity:**

If received, this award would cover the purchasing of 20 Motorola Portable radios to be utilized by both CEMLEC Motorcycle and Drone Units. This would also include specialized equipment which would allow the Motorcycle Operators to utilize this communications equipment while driving their motorcycles.

**Project Need:**

Both the Motorcycle Unit and the Drone Unit have expanded rapidly over the past several years. As such, these units also deploy all over Worcester County to responding communities that are members of CEMLEC. Both units deploy for a multitude of purposes, to include, but not limited to, the protection of soft targets and crowded places. Elements of both units are also called upon, in smaller numbers, to assist local law enforcement agencies with various tasks, which include criminal investigations, escorts involving large convoys or dignitaries, and in large scale situations like the Boston Marathon, could combat domestic terrorism.

**Measurable Outcomes:**

Outcomes for this project would be measured by the issuance of the equipment, which could be put into use almost immediately.

**Background:**

CEMLEC is an organization that serves almost 100 cities and towns in the Central Massachusetts area. In years past, we have been fortunate to receive funding for interoperable communications. Over the past few years, a Drone Unit has been created, and our Motorcycle Unit has expanded significantly. Many officers are responding with their department issued radios, which makes communication among the units difficult. Many times, the operators are not together, and in some cases can be quite a distance apart, and it is sporadic, if at all. This would allow members to be able to communicate with each other with little to no difficulty.

**Funding Year, Source, and Justification Area:**

FFY24 SHSP, Justification Area: Response

**Project Management and Participants:**

Seth Peters, Homeland Security Program Coordinator [speters@cmrpc.org](mailto:speters@cmrpc.org)

Chief Michael Shaw, Chief & President of CEMLEC [shawm@websterpolice.com](mailto:shawm@websterpolice.com)

**V. Milestones:**

Milestones	Tasks/Activities	Start Date	Completion Date	Estimated Cost
Approval	Council, EOPSS, SIEC FEMA, EHP or any other anticipated approving body	May 2025	May 2025	\$0.00
Procurement	Develop specs list, scope of services etc.	May 2025	June 2025	\$0.00
Award and contracting	Award to vendor, execute contracts	June 2025	June 2025	\$0.00
Delivery	Vendor ships items, POC receives and inventories items	June 2025	June 2025	\$0.00
Payment	Final payment to vendor	June 2025	July 2025	\$210,379.91

**VI. Budget Plan by Cost Category:**

<b>Planning</b>	
<b>Equipment</b>	\$210,379.91
<b>Training</b>	
<b>Exercises</b>	
<b>Maintenance</b>	
<b>Organization</b>	
<b>Total</b>	\$210,379.91

**VII. Budget Detail:**

Cost Category	Description	AEL #	Quantity	Unit Cost	Total
Interoperable Comm. Equipment	Portable radios	06	20	\$9318.30	\$190,801.20
Interoperable Comm. Equipment	Setcom Helmet headset kits	06	10	1780.00	\$19,578.71
				<b>GRAND TOTAL</b>	\$210,379.91

FEMA Authorized Equipment List numbers (AEL #) can be found [above](#).

**How much of the above project total amount is for Law Enforcement Terrorism Prevention-oriented Activities?**

<b>\$210,379.91</b>
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**VIII. Typed Resources:** For FFY 2011 funds and beyond, for each equipment or training expense cited above, please provide the requested information in the table below:

Description (from above table)	Core Capability Supported	NIMS or State/Local Typed Resource Supported (if typing guidance exists at <a href="http://fema.gov/resource-management">fema.gov/resource-management</a> )
Portable Radios	Operational Communications	
Setcom helmet kit for motors	Operational Communications	

List of FEMA's 32 Core Capabilities can be found [HERE](#)

**IX. EHP Review:** N/A

**X. SIEC Review:** See attached handout.

**Massachusetts Executive Office of Public Safety and Security  
Office of Grants and Research - Homeland Security Division  
Project Justification Template**

- I. **Project Name and Number:** PJ21-6.02
- II. **Homeland Security Region:** Central
- III. **Anticipated Project Date Range:** 1/1/2023 – 12/31/2024
- IV. **Project Description:**

**Proposed Activity:**

Update the D7 Fire Mobilization VHF Radio system, commonly referred to as D7 Orange. This will include updating or replacing radios, repeaters, power supplies, racking and other necessary items to maintain a viable radio system purchased and installed with CRHSAC funding of approximately \$500,000- \$700,000 in 2004. Originally planned to do in multiple phases, according to vendors engineers, the phases will need to be completed simultaneously. The original estimate of \$270,000 over 2-3 phases is now \$172,480 in one phase.

**Project Need:**

Funding beyond the annual preventive maintenance and repairs currently supported by the Massachusetts Fire District 7 Mutual Aid Association via the District 7 Radio Committee. This would include inspection of equipment, prioritizing needs, updating, or replacing radios, repeaters, power supplies, racking and other necessary items to maintain a viable radio system purchased and installed with CRHSAC funding in 2004 of approximately \$500,000- \$700,000. Because of the age of the equipment, warranties have all expired, replacement parts are becoming harder to acquire and replace will be more expensive.

**Measurable Outcomes:**

This project will ensure that the radio system repeater equipment will be viable for 15-20 years with ongoing, routine maintenance and repairs conducted by via the D7 Radio Committee.

**Background:**

The majority of communities in Fire District 7 operate their normal fire ground and day to day operations on VHF radio systems. In 2004 CRHSAC funded the construction of a 6 site VHF repeated system to link all the D7 Departments together with the District Control Point when responding mutual aid from community to community, on in-district Strike Teams and the initial response of Statewide Fire Mobilization task forces. This VHF system allows communities to program the Orange channel into their mobile or portable radios without having to purchase any additional radio equipment.

**Funding Year, Source, and Justification Area (Prevention, Protection, Mitigation, Response, or Recovery):**

FFY2021, Response.

Originally part of the FFY2020 SHSP this project was swapped with the CMED Console upgrades in FFY2021 to facilitate timely spend down of both grants.

**Project Management and Participants:**

Gary Fleischer, Chairman, FD7 Radio Committee.  
 Mark Cady, Project Lead, FD& Radio Committee  
 Seth Peters, CRHSAC Program Manager

**V. Milestones:**

<b>Milestones</b>	<b>Tasks/Activities</b>	<b>Start Date</b>	<b>Completion Date</b>	<b>Estimated Cost</b>
CRHSAC Approvals	Vote	12-5-23	12-5-23	0
SIEC and EOPSS Approvals	Votes	12-6-23	1-31-23	0
Specifications and RFPs	Issued by MAPC	1-31-23	3-30-23	0
Award and equipment orders		3-30-23	9-30-23	0
Installation		10-1-23	11.30.23	0
Payment process		12.1.23	12-31-23	\$172,480

**VI. Budget Plan by Cost Category:**

<b>Planning</b>	
<b>Equipment</b>	144,480.00
<b>Configuration</b>	8,000.00
<b>Installation</b>	20,000.00
<b>Total</b>	<b>172,480.00</b>

**VII. Budget Detail:**

<b>Cost Category</b>	<b>Description</b>	<b>AEL #</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total</b>
SEE ATTACHED	Repeater Infrastructure	06CP-01-REPT			144,480.00
Installation/Configuration	Labor				28,000.00

				<b>GRAND TOTAL</b>	172,480.00

FEMA Authorized Equipment List numbers (AEL #) can be found [HERE](#).

**How much of the above project total amount is for Law Enforcement Terrorism Prevention-oriented Activities?**

\$0.00
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**VIII. Typed Resources:** For FFY 2011 funds and beyond, for each equipment or training expense cited above, please provide the requested information in the table below:

Description (from above table)	Core Capability Supported	NIMS or State/Local Typed Resource Supported (if typing guidance exists at <a href="http://fema.gov/resource-management">fema.gov/resource-management</a> )
Repeater Infrastructure	Operational Communications	Operational Task Force Response

List of FEMA's 32 Core Capabilities can be found [HERE](#)

**IX. EHP Review:**

**X. SIEC Review:**

To be filled out only if requesting radio equipment

## ICIP Cover Sheet

### Interoperable Communications Investment Proposal

Please complete all sections except for the shaded areas.

Shaded areas will be completed by the SIEC and the Statewide Interoperability Coordinator (SWIC).

<b>Date Received by the SWIC:</b>		<b>Control #</b>	<b>Proposed Federal Funding Source:</b> CRHSAC	<b>Proposed Federal Funding Amount:</b> 172,480.00
<b>Committee Referred to:</b>		<b>Committee Chairperson:</b>		
<b>Investment Name:</b> FD7 Orange VHF Repeater Upgrades		<b>Applicant Organization:</b> Mass Fire District 7	<b>Applicant Signature:</b>	
<b>Investment Summary</b>	Replace Legacy Quantars and comparator with new G-Series Equipment and GRV comparator (Oxford) one for one. The upgraded system will operate in the analog but is capable of P25 operation in the future.			
<b>Statewide Communications Plan (SCIP) Goals addressed by this investment (please indicate all that apply)</b>		<input type="checkbox"/> <b>Governance</b> <input type="checkbox"/> <b>SOP</b> <input checked="" type="checkbox"/> <b>Technology</b>	<input type="checkbox"/> <b>Training and Exercise</b> <input checked="" type="checkbox"/> <b>Usage</b>	
<b>Project Start Date:</b> 1.1.2024	<b>Project End Date:</b> 12.31.2024	<b>Is an Environmental and Historic Preservation (EHP) review required for this project?</b> no		
<b>Applicant Contact Name:</b> Gary Fleischer	<b>Phone:</b> 774.303.0885	<b>Email:</b> <a href="mailto:Fleischerg@worcestermma.gov">Fleischerg@worcestermma.gov</a>	<b>Address:</b> 141 Grove St, Worcester, MA 01605	
<b>Review Status</b>			<b>SIEC Member Signature</b>	<b>Date</b>
Assigned to Committee				
Estimated Review Date				
Committee Recommendation to the Executive Management Committee	Approval	Denial	Amend	
Executive Management Committee Recommendation	Approval	Denial	Amend	
SIEC Recommendation	Approval	Denial	Amend	
Applicant notified of Recommendation				

**Communications Interoperability Problem Description** 1) Aging equipment with limited part availability. 2) Upgrade to P25 compliant equipment.

**Background/Investment Description:** In 2004 CRHSAC funded the construction of a 6 site VHF repeated system to link all of the D7 Departments together with the District Control Point when responding mutual aid from community to community, on in-district Strike Teams and the initial response of Statewide Fire Mobilization task forces. This VHF system allows communities to program the Orange channel into their mobile or portable radios without having to

purchase in additional radio equipment. This project would replace the 20 year old Quantars with P25 compliant G series equipment.

**Expected Outcomes:** Continued operation of the FD7 mobilization VHF channel that allows the end users to have an operational wide area channel for travel in their normal VHF mobile radio without a need to purchase additional radio equipment.

<b>SCIP Goal-</b> Identify each SCIP goal that this investment will support and describe how that support will be accomplished.	<b>Goal</b>	<b>Describe support</b>	
	Governance		
	SOP		
	Technology	Upgrade to new equipment that supports P25	
	Training and Exercise		
Usage	Continued availability of a VHF travel Channel in FD7		
<b>Ownership-</b> Identify the proposed owners of all assets procured with this investment (add additional lines as needed)	<b>Organization</b>		<b>Asset Description</b>
	CRHSAC (FD7 Radio Committee caretaker)		All Equipment
<b>Usage Plan-</b> Describe the usage plan for the equipment / project	System is used whenever any FD7 assets travels outside of their own community for mutual aid, deployment of special teams, task force and strike team responses.		
<b>Disciplines-</b> <ul style="list-style-type: none"> <li>Identify each responder discipline that will enhance its communications interoperability from this investment</li> <li>Describe the interoperability enhancement</li> </ul>	<b>Discipline</b>	<b>Enhancement</b>	
	FS	Interoperable Communications	
	EMS	Interoperable Communications	
Please use the following abbreviations to represent the corresponding discipline:	LE - Law Enforcement; EMS - Emergency Medical Services; EMA - Emergency Management Agency; FS - Fire Service; HZ – HAZMAT; PW - Public Works; PH - Public Health; GA – Governmental Administrative; PSC - Public Safety Communications; HC - Health Care; O-Other		
<b>Multi- Jurisdictional Interoperability-</b> All investments must provide interoperability between two or more jurisdictions.  Identify each jurisdiction that will achieve interoperability from this investment.	All Municipalities in FD7 and in any jurisdictions outside FD7 that they respond to assist.		