

HEMS SYSTEM

ACCESS TO THE HEMS COMMUNICATIONS SYSTEM

Date: June 23, 2017

Last Revised Date: 1/3/2024

Section: 8-29 (S1)

Access to the HEMS Communications System

The following frequencies and CTCSS (“PL”) tones can be used to access the HEMS Communications System.

VHF Frequencies

VHF frequencies should be used primarily for Basic Life Support ambulance-to-hospital communication. Per the MEDCOM plan, all life support vehicles must be equipped with 155.340 MHz and 155.355 MHz capability. HEMS protocol further requires that all vehicles be equipped with 155.400MHz for interoperability purposes. LALS and ALS operations are required to use UHF MHz frequencies under normal circumstances.

Simplex Frequency	CTCSS “PL” Code	Location	Use
155.340 MHz	151.4 Hz Encode Carrier Squelch Decode	Bases located in Livonia / Wyandotte / Detroit	HEAR System – Routine BLS ambulance to hospital communication
155.400 MHz	97.4 Hz Encode Carrier Squelch Decode	Bases located in Canton / Brownstown	Routine BLS ambulance to hospital communication; Interoperability 1
155.355 MHz	210.7 Hz Encode Carrier Squelch Decode	Mobile to mobile only	Tactical communications at or near incident scene; Interoperability 2

UHF Frequencies

Within the HEMS service area, Life Support units are permitted use of the UHF “Med Channels”, approved 800 MHz systems or the VHF frequencies at their option under normal circumstances. UHF system users must have capability of operation on all of the below listed channels and CTCSS (“PL”) tones. Providers serving communities near the HEMS repeaters are required to equip Life Support units with at minimum a MEDCOM-compliant portable UHF radio and a MEDCOM-compliant UHF mobile radio (or a mobile vehicle adapter “convertacom” device with mobile antenna). Providers serving communities distant from the HEMS repeaters may be required to equip units with vehicular repeater systems to assure consistent patient-side communications. Semi-duplex radios without telemetry capabilities are permitted in this medical control region. Approved 800 MHz systems

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may be used for patient side communication. The use of cellular devices for primary patient-side communication is prohibited.

Channel	Mobile/Portable Transmit	Mobile/Portable PL Encode	Mobile/Portable Receive	PL Decode (Recommend Carrier Squelch receive for mobiles/portables)
MED 9	467.950 MHz	West 151.4 Hz Downriver 156.7 Hz	462.950 MHz	West 97.4 Hz Downriver 156.7 Hz
MED 3	468.050 MHz	West 151.4 Hz Downriver 156.7 Hz	463.050 MHz	West 97.4 Hz Downriver 156.7 Hz
MED 4	468.075 MHz	West 151.4 Hz Downriver 156.7 Hz	463.075 MHz	West 97.4 Hz Downriver 156.7 Hz
Med 5	468.100 MHz	Dearborn DPL 631	463.100 MHz	Dearborn DPL 631
Med 8	468.175 MHz	Dearborn DPL 315	463.175 MHz	Dearborn DPL 315

UHF equipped field units are to use Med 9 or 5 (Dearborn) for their initial call to HEMS and request a patch to a hospital in the HEMS system, specifying their patients' priority. Med 3, 4 and 8 (Dearborn) are used for ambulance/hospital communication. Properly assigned MEDCOM unit numbers shall be used when identifying field units within the HEMS radio system.

800 MHz Systems

HEMS Inc. is interconnected to the Down River Mutual Aid and MPSCS 800 MHz radio systems. Contact the HEMS office for information on 800 MHz usage.

Telephone Access

Hems Radio Operation

734 727-7287

Hems Console Phone Patch

734 727-7286