



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, it is desirable that BLS, LALS and ALS be capable of accessing VHF frequencies in the event of failure of the primary (UHF) system, or for intercommunication in mass-casualty situations. LALS and ALS operations are required to use UHF 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	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

UHF Frequencies

Within the HEMS service area, Basic Life Support units are permitted use of the UHF “Med Channels” or the VHF frequencies at their option. LALS/ALS operations are required to utilize UHF channels 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 LALS/ALS 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.

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 Huron Twp. 131.6 Hz	462.950 MHz	West 97.4 Hz Downriver 156.7 Hz Huron Twp. 131.6 Hz
MED 1	468.000 MHz	West 151.4 Hz Downriver 156.7 Hz Huron Twp. 131.6 Hz	463.000 MHz	West 97.4 Hz Downriver 156.7 Hz Huron Twp. 131.6 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

Field units are to use Med 9 for their initial call to HEMS and request a patch to a hospital in the HEMS system, specifying their patients’ priority. Med 3 and 4 are the primary channels for ambulance/hospital communication. Med 1 is shared with the Detroit East communications system. 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 Wayne County Government, Western Wayne, and Downriver Consortium 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