

State Medical Command Narrowband Deployment

OEMS Communications Division



The State of West Virginia Office of Emergency Medical Service (OEMS) Communications Division is preparing for the January 1, 2013 Narrowband deadline. Trying to address the expanding needs of public safety and meeting FCC regulatory requirements will be no easy task and the deadline is approaching rapidly. **Because of this deadline OEMS will be switching from wideband to narrowband on the week of November 12-16.** We are switching this week in order to have a smooth transition before the final date. If a problem occurs this will allow us time to correct the issue and

still meet the deadline. A project of this magnitude demands a significant commitment, both in logistics and human resources. The OEMS Communications team has been working together closely to formulate a strategy for this implementation. This paper serves to provide an outline of our narrowbanding plan.

Plan

1. Notifications will be sent out explaining the plan periodically until cutover.
2. Equipment will be received and inventoried.
3. Individual regions will be notified of the cutover in their area prior to the physical switch to narrowband.
4. Physical deployment is scheduled to begin November 12 – 16, 2012 and will take approximately 1 day per region.
5. Equipment will then be programmed and tuned as narrowband.
6. If situations or problems arise they will be handled accordingly.

Recommendations

- Make sure all of the correct parties are notified and are aware of imminent changes.
- Contact your local vendor to see what equipment you will need to be narrowband compliant.
- Prepare a backup communications plan in case there is a problem in your area.
- If you have room in your radio go ahead and program the narrowband channels so that you will be prepared when the time comes.
- If you have further questions about narrowbanding go to the [FCC website](#) or the [SIRN website](#) to find information.
- Remember your agency is responsible for all their equipment to meet FCC requirements.

Programming

Here is a list of CTCSS (PL) tones. If your agency is in a WVU medcom region or your agency transports to any hospital that WVU provides medical direction to you will have to program CTCSS or PL tone of 179.9 Hz on the VHF frequencies of 155.340 MHz and 155.400 MHz instead of the existing CSQ (Carrier Squelch). CTCSS on all UHF frequencies will remain the same (151.4 Hz).

USE	MOBILE Transmit	MOBILE Receive	TX CTCSS Hz	RX CTCSS Hz
MED 1	468.0000	463.0000	151.4	151.4
MED 2	468.0250	463.0250	151.4	151.4
MED 3	468.0500	463.0500	151.4	151.4
MED 4	468.0750	463.0750	151.4	151.4
MED 5	468.1000	463.1000	151.4	151.4
MED 6	468.1250	463.1250	151.4	151.4
MED 7	468.1500	463.1500	151.4	151.4
MED 8	468.1750	463.1750	151.4	151.4
CALL 9	467.9500	462.9500	OPEN	OPEN
MED 10	467.9750	462.9750	OPEN	OPEN

TX = Transmit RX = Receive

	Transmit	Receive
HELO 1	468.0000	468.0000
HELO 2	468.0250	468.0250

VHF CTCSS	
Region	Hz
Huntington	110.9
Charleston	186.2
Parkersburg	123.0
Beckley	146.2
Morgantown	179.9