Transition Day

To make Transition Day a little easier, MS (Memory Select) buttons should be pre-programed as follows:



When requested by your Communications Officer, you will be required to switch your Mobile Radio to the LMRN Local Profile (MS1).

The following items may be identified when initially switching from FleetNet to LMRN

When a radio connects to the LMRN for the first time it normally does so without delay or issue. <u>However, it is possible a delay of up to 90 seconds could be experienced before the radio authenticates on the new network.</u> Once the radio connects there should be no further delays.

Error Messages and Troubleshooting

After an attempt to connect to the LMRN, there are three possible errors

which have been identified that may appear on the mobile radio:

- **Key Fail –** Encryption Key does not match.
- **Sys Auth Fail –** System authentication Failure. The radio is unable to authenticate to the Network.
- Reg Fail Registration Failure. The radio is not registered in the system.
 Solution



If your mobile radio displays any of the above errors, switch back to your AD-FleetNet TalkGroup and inform your Communications Officer of the error. You will be notified how to proceed.

The DVR and Portable must also be switched to LMRN



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DVR in secondary mode can take <u>30 to 60 seconds</u> to realize the Primary DVR has left without being turned off. During this time, <u>portables remaining on scene will have NO radio communications with CACC including Emergency Alert</u>. Turning the DVR off prior to leaving scene will immediately switch a Secondary DVR to Primary DVR with no loss of communications.

PUSH THE "P" BUTTON UPON ARRIVAL PUSH THE "P" BUTTON WHEN DEPARTING

DVR Must be Turned OFF PRIOR TO DEPARTING SCENE

V2.1 April 2024 – Ministry of Health – PSRN Project



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Motorola APX6000 Portable Radio



DVR Activation from Portable Radio

The Portable Radio has two locations to activate the DVR.

- 1. Purple button directly above the PTT button on the Portable Radio
- 2. Button below the PTT button on the Lapel Mic

For the DVR to connect to the Portable, both the portable and mobile radio must be on the same VR Channel.

After pressing the DVR Activation button, connection to the DVR should be immediate. If the DVR tones are not heard within a few seconds, it should be assumed the DVR was NOT activated.

Change the VR Channel and try again.

Emergency Alert from Portable

If the DVR is busy with other transmissions, the Portable will hold the Emergency Alert until the transmission is complete. Once the radio transmission is complete the Emergency Alert will be sent immediately, and the alerts will be activated on the Portable Radio. The maximum possible hold is 60 seconds as the PTT Time-out Timer will force the transmission to end. When the Emergency Alert is sent, it will send out the Portable's ID code identifying the Portable Radio to CACC.

If the DVR is off, it will automatically turn the DVR on to System mode. If the portable is unable to reach and connect to the DVR (DVRS OOR, e.g., wrong VR channel selected), the Emergency Alert will remain active in the Portable Radio. This alert will remain active until the portable is turned off or is connected to the Network. Once connected to the Network the Emergency Alert will be sent to CACC.

Sys Out of Range

If the mobile radio is "Out of Range" when the Portable is actively connected to the DVR, the portable will show "sys out range" in a red banner. See Part II Chapter 1, page 1 for more information on Out of Range.



Fall Back Mode

If the mobile radio should go "Out of Range" when the DVR is activated, the Portable Radio will identify "Sys Out of Range" or "Sys OOR". When this occurs, the DVR will automatically switch from System Mode to Local Mode. This allows the <u>portable users</u> to continue to communicate through Local mode to other Portables on the same VR Channel.

Communications cannot take place from the mobile radio if it goes Out-of-Range or in No Comms. Fall Back Mode only applies to the Portable Radios.

If the mobile radio regains the Network signal, the DVR will automatically switch back to System Mode.

Tone sound – when PTT is pushed	Description
3 high-pitched chirps	System mode – go ahead tone
3 low-pitched chirps	Local mode – go ahead tone
4 high-pitched chirps	Talkaround mode – go ahead tone
Low-pitched tone	Busy TalkGroup or Out of Range
Repeating short low- pitched tones	Busy Tower Site.

TalkAround Mode

Note: The Emergency Alert is not operational while in TalkAround Mode.

For TalkAround Mode to work each Portable must:

- 1. Be Out of Range of a DVR
- 2. Be on the same VR Channel
- 3. Be within portable range of each other (The range of a portable is restricted to line of site operation within a 2 km radius)

To engage TalkAround Mode:

- When the Portable Radio is not connected to a DVR (DVRS OOR), push and continue to hold the PTT button on the portable and after approx. 5 to 10 seconds, you will hear low toned (busy bonk) followed by the 4 TalkAround mode chirps, keep holding PTT button, then,
- 2. Talk into the Portable

3. When you have finished talking, release the PTT button. A Portable connected to a DVR will be able to hear Portables in TalkAround but cannot return any communications. While transmitting in TalkAround mode, the portable radio will show "DVRS Out of Range" (or "DVRS OOR" top screen). There are no other indicators on the nortable that you are transmitting

show "DVRS Out of Range" (or "DVRS OOR" top screen). There are no other indicators on the portable that you are transmitting in TalkAround mode.

Talk Around Mode

Talk Around mode allows VR portables, on the same VR Channel, talk to each other when not connected to the Network



When mobile... The DVR Must be Turned OFF