

APX P25 Interfaced DVR/VRX1000 Firmware Release 1.41 – Release Notes

DVR/VRX Application Software (4C083X11): New Version: **1.41**; Old Version: 1.40

DVR/VRX BB DSP (4C083x04): New Version: **1.42**; Old Version: 1.40

DVR TR DSP (4C083x03): Version: **1.18** (unchanged)

VRX TR DSP (4C087x05): Version: **1.07** (unchanged)

Tweaker Software (6A083X05): New Version: **1.16**; Old Version: 1.14

Note: New firmware and Tweaker software is supporting both hardware platforms - VRX1000 and DVR.

Compatible with following Mobile Radio Firmware Versions:

APX2500/4500/5500/6500/7500/8500: R17.01.00

New Features / Enhancements:

- **Emergency Call Termination on Harris System** – This feature enables the Harris console operator to instruct a specific subscriber radio to exit emergency mode. The feature allows local PSU subscribers operating through DVRS to gain compatibility with Harris' proprietary Emergency Cancel functionality.
- **Extended Radio Inhibit on ISSI systems** – This feature enables Motorola PSU subscribers to become inhibited / enabled via the extended format of the radio inhibit command when operating on an ISSI foreign system.

Issues fixed in this release:

- If MSU is operating on ISSI foreign system, DVR fails to repeat GRG ADD commands to talkgroup translated PSUs causing patch state to expire on PSU. When PSU PTT is pressed, PSU makes regular group voice request instead of GRG request, DVR corrects it by sending GRG ADD immediately however this causes unnecessary delay in inbound call setup.
- While MSU is transitioning to the ISSI foreign system or talkgroup, DVR assumes that current active unit IDs and talkgroups IDs are valid. For a short period of time (until MSU gets re-registered and affiliated on the new system and/or talkgroup), DVR may incorrectly proxy outbound message (outbound emergency alarm, call alert, private call request, etc.) using original IDs instead of new assigned working unit IDs or talkgroup IDs.
- When MSU is changing talkgroup on P25 trunking system, DVRS may affiliate talkgroup translated PSU two times causing unnecessary traffic on trunking system control channel.
- If upon handling PSU emergency request from local PSU DVR loses its Primary status and becomes Secondary, emergency ID message (EMR: xxxx) remains on MSU Control Head display even though emergency is cancelled on PSU.

Known issues in Firmware Release 1.41:

- None.