Technical Services Memo

Product Code: D2	System: Conventional
Part Number/Model: Orion	
Maintenance Document: N/A	

Category: Mobile

Subject: Programming 7.5 kHz narrowband interstitial channels

Summary: VHF Orion radios with "switchable" hardware must also be narrowband capable to accommodate interstitial frequencies between 150.760 MHz and 162.000 MHz. 151.1675 MHz, 153.5975 MHz and 159.6975 MHz can not be programmed.

Action: The following are requirements for a switchable VHF Orion to support narrowband interstitial channels:
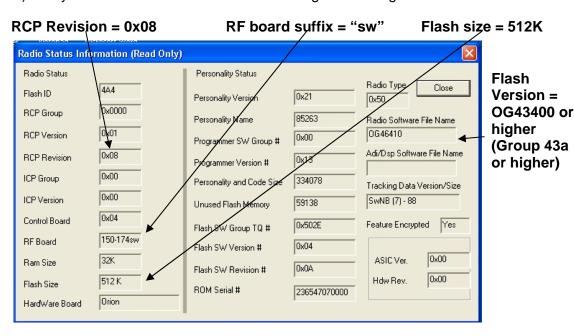
- Hardware containing a 512k Flash EEProm and a switchable RF assembly.
- OG43400 (Group 43A), or higher, Flash Code
- Enabled for Narrowband operation via Feature Encryption
- Radio ProGrammer software, version R11A or later

1) Verify hardware and software versions using Radio Programmer Maintenance.

RCP Revision = 0x08   **RF board suffix = "sw"**   **Flash size = 512K**

Flash Version = OG43400 or higher (Group 43a or higher)

2) Verify that the radio is feature encrypted for narrowband by either of the following two methods.

- Contact the Technical Assistance Center (TAC) with the ESN# and Feature String and ask to confirm if narrowband is enabled.
- Use the "FEATURES" programmable menu selection and confirm that radio contains Feature Number "23".

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