Technical Services Memo

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Product: PK - MRK, D2 - Orion System: Conventional

Part Number: Various

Maintenance Document: Various

Category: Portable / Mobile

Subject: Narrowband capable MRK Portables and Orion Mobiles

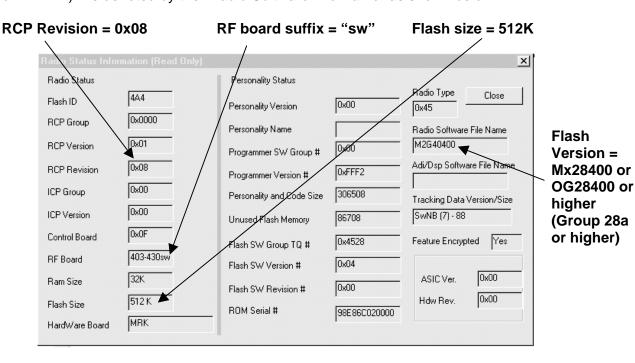
Summary: These two models of radios are capable of narrowband operation with the correct

combination of hardware and software.

Action: Verify hardware and software versions using Radio Programmer Maintenance.

1. Radio Hardware - The radio must have a switchable (sw) RF board, 512K Flash Size, and a 0x08 RCP revision (Rom Type 8) on the controller board to support narrowband operation. Use Radio Maintenance in Programmer to display the data as shown below and verify narrowband support.

2. Radio operating (FLASH) code – Narrowband operation is supported in Group 28a or higher Flash code (Mx28400 or OG28400 or higher, where x= 1 for M-RK1 and x=2 for M-RK SCAN or M-RK II). As denoted by the "Radio Software File Name" as shown below.



3. Feature Encryption Code – The Narrowband option must be enabled in the radio Feature Encryption Code before the radio hardware will function in narrowband mode. Include the "features" entry in the menu, select features and check the list of Feature Encrypted options for feature number "23". This is the option for Narrowband operation.

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