Technical Services Memo

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Product Code: Various	System: EDACS, Conventional, P25
Part Number/Model: Various	
Maintenance Document: N/A	

Category: Mobile / Portable

Subject: Re-use of Factory Default Personality and Firmware Files.

Summary: Operational errors can occur if the factory default personality is read from a radio, edited, then re-programmed into a radio. Errors can also occur if radio firmware files (Flash, ADI, or DSP codes) are read out of a radio and reused.

Action: These guidelines should be followed when dealing with radio data files.

Factory Test Personality
Factory Test Personalities are used for high-speed automated testing of the radio during manufacturing. To support this testing activity, a whole suite of parameters are enabled which a technician/end-user cannot locate and disable using "normal" programming software. This personality is what arrives in your new radio. Use this personality only as a guide to study the structure of a fully assembled personality.

Do not edit the factory test personality and load it into a radio, always create a new Master Archive personality and add what you need.

Master Archived Personality
Use this master personality file, edit as required to incorporate any customer or user changes, then program this file into the radios.

Editing a personality read from a radio, then programming it into other radios, can introduce a multitude of problems if the original personality had errors. These errors, due to re-using non-Master personality files, could affect later generations of radios generated from the same personality.

Flash, ADI and DSP code files
The Flash code in a radio is somewhat equivalent to the Operating System of a computer. Do not read the flash code from one radio and write it to another. Always obtain an original copy of flash code from M/A-COM's Software Services department. Furthermore, ADI & DSP files should be loaded into the radio from a M/A-Com originated file.

Suggested Solution
Create a single CD-Rom for distribution to technicians containing the following:

1. Master copies of all customer personalities
2. Master Copies of all required ADI, DSP, and Flash code files including Tracking Data (.trk) and Feature Encryption (.enc) data acquired through programming.

EDACS® P25 OpenSky® NetworkFIRST Conventional

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