

# Technical Services Memo

Volume: 28, Number: 28

November 9, 2006

Page 1 of 1

Product Code: 91 Programmers	System: EDACS, Conventional, P25
Part Number/Model: TQS3385, TQS3389	
Maintenance Document: N/A	

**Category:** ProGrammer Software

**Subject:** Reading Flash and DSP code from radio using ProGrammer Maintenance.

**Summary:** Radio Flash and DSP codes read from a radio, and re-used, may cause unexpected operation or radio failure when loaded into a radio. Code that is read from a radio to a computer file for re-use, can unknowingly become corrupted during the radio to computer "read" transfer using ProGrammer. Trust only software distributed from M/A-COM Software Services for the intent of re-flashing radios.

There is a possibility of data corruption whenever a radio file is read out. A bad read could be caused by noise spikes, voltage glitches, computer, hardware, cable, media or other problems. Do not transfer Flash and DSP code from one radio to another by using the READ Flash/DSP code function available in ProGrammer Maintenance or radio programming functions. Furthermore, M/A-COM also cautions against re-using radio personality files read-out from another radio, as referenced by TSM Volume 27, Number 10.

**Action:** ProGrammer R20a (and higher) has removed the READ Radio Flash and DSP function from the Maintenance and Programming sections of these applications. Flash and DSP code can no longer be read out from the radio. Also, it is NOT recommended to use a previous version of ProGrammer to accomplish this task.

Master copies of Flash and DSP codes can be obtained by request from M/A-COM Software Services by calling 1-800-528-7711 (press option 3).

The four following **Terminal Product Flash and DSP Code Matrix Documents** are available on TechLink for download or from TAC on request. A portion of guide #2 is shown below.

1. E300p / E500m / MRK / KMC / LPE / M-RK / ORION Radio Types
2. J700p / J725m / P7100 / P5100 / M7100 Radio Types
3. DPE / IPE / MDR / MDX / PCS Radio Types
4. M-PA / MTL / P400 Radio Types

JAGUAR, M7100, P7100 & P5100 Flashcode and DSP Codes						
<i>as of: October 10, 2006</i>						
Radio Model	Flashcode	Clear Voice & Unencrypted Digital Voice	VGE Encrypted Digital Voice	DES Encrypted Digital Voice	P25 Trunked AES/DES Encrypted Digital Voice	P25 Trunked Unencrypted Digital Voice
Jaguar 700 P/Fi (800 MHz) with C56 DSP (KRD 103 161/x models)	S1R05E05	i4R05K01	i5R05K01 <sup>2</sup>	i6R06D01	N/A	N/A
Jaguar 700 P/Fi (800 MHz -Mod 1&Q) with C5416 DSP (RU 101 219/x models)	J2R10B05	G4R06D09	N/A	G6R06D09	N/A	N/A
Jaguar 725m (800 MHz -Mod 1&Q) with C5416 DSP	J2R10B05	G4R06D09	N/A	G6R06D09	N/A	N/A