

Motorola Solutions Technical Notification (MTN)

TITLE: Multiple issues when using DVRS with TDMA

TECHNOLOGY: DVRS (digital vehicular repeater system)

SYMPTOMS:

Symptom 1: A TDMA talkgroup is configured for "interrupt never" operation. A call on this TDMA talkgroup is in progress from a portable subscriber unit (PSU) through the DVRS to other radios. Another system subscriber unit (SSU) attempts to interrupt the call in progress. This interrupting talkgroup call is granted when it should not have been granted.

Symptom 2: When using DVRS on a TDMA talkgroup, a subscriber may experience a grant followed by a call where the PSU audio is not successfully transmitted through the system. Private calls do not experience this problem.

MODELS / SYSTEM RELEASES / KITS / DATECODES AFFECTED:

DVRS

SEVERITY RECOMMENDATION:

Low / Maintenance - Perform if system exhibits above symptoms

ROOT CAUSE / DEFINITIVE TEST:

Additional processing required for the DVRS audio path causes the grant timer to expire before the DVRS/PSU audio is detected at the RF site.

WORKAROUNDS AND CORRECTIVE ACTIONS:

NA

RESOLUTIONS AND REPAIR PROCEDURES:

Set the zone level Grant Timeout Timer in the UNCW to 2.2 seconds or greater when any DVRS units are in use.

PARTS REQUIRED (HARDWARE/SOFTWARE):

NA

ADDITIONAL INFORMATION:

NA

REFERENCE THE FOLLOWING DOCUMENTS/PROCESSES FOR INSTALLATION PROCEDURES:

NA

WHEN TO APPLY RESOLUTION:

After reboot ___
After (re)installation ___
After upgrade ___
After power cycle ___
After database restoration ___
After failure ___
On FRU replacement ___
During maintenance ___
Immediately ___
As instructed X
Information only ___

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