

Motorola Solutions Technical Notification (MTN)

TITLE: New software compatibility version requirements for APX8500 Mobile Transceiver Board

TECHNOLOGY: Astro Subscriber radio

SYMPTOMS:

To address end of life (EOL) components and to ensure continuity of supply of the APX8500 Mobile Radio, the following changes are being made:

- **APX8500 Mobile Transceiver service kits** “PPHRW4000_” - “PPHRW4001_” will be replaced by a new version “PPHRW4002_”.
- **APX8500 Mid Power Mobile Radio Tanapa** PHUW1000P (or greater) will be built with the new version Transceiver service kit “PPHRW4002_”.
- **APX8500 High Power Mobile Radio Tanapa** PHUW1001K (or greater) will also be built with the new version Transceiver board “PPHRW4002_”.



The new version of the Transceiver board kit (PPHTW4002_) and the APX8500 Radio Tanapas will require a minimum radio software version as specified in the table below.

Note: The new Service Kits and Tanapa versions are not compatible with prior radio firmware versions and therefore cannot be downgraded to earlier software releases.

Kit / Version Number	Description	Power Level	Required software version
PPHRW4002_	APX8500 Mobile Transceiver service kit	Mid Power	R21.60.00 (or greater)
PHUW1000P (or greater)	APX8500 Mid Power Mobile Radio Tanapa	Mid Power	R21.60.00 (or greater)
PPHRW4002_	APX8500 Mobile Transceiver service kit	High Power	R23.00.00 (or greater).
PHUW1001K (or greater)	APX8500 High Power Mobile Radio Tanapa	High Power	R23.00.00 (or greater).

RESOLUTIONS AND REPAIR PROCEDURES:

- Replace the APX8500 Mobile Transceiver service kit version (PPHRW4002_) or higher.
- Then upgrade the radio firmware version to the appropriate version (see table above).
 - If the wrong radio firmware is loaded, then the Fail code will be displayed: **Fail 01/A2**

WHEN TO APPLY RESOLUTION:

During maintenance.

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