

REVISION HISTORY

Refer to the DCA and associated markups for a complete description of the changes incorporated in a revision.

| REV | DCA | DATE | DRAWN | CHECKED | APPROVED | PUBLISHED |
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| A | W15093 | 08/20/15 | | | | |
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DOCUMENT TITLE
**INFORMATION BULLETIN,
 CIB RT-5000-71 HW/SW Update**

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|------------------|-----------------------|--------------------------------------|-----------------|
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INFORMATION BULLETIN

EQUIPMENT: RT-5000

DATE: 08/20/2015

NOTIFICATION NUMBER: CIB RT-5000-71

REVISION: A

1. Planning Information

1.1 Compliance

Information only

1.2 Description

The RT-5000 has been updated as necessitated to address component obsolescence and to enhance manufacturability. These changes affect both the Hardware and the Software and will be identified on the exterior labeling with the following:

For all standard RT-5000s both Analog and Digital:

- MOD 40
- SWID 30

For RT-5000Ps (P25 Capability on the Main Transceiver):

- MOD 34 thru 39 (feature dependent)
- SWID 30

1.3 Applicability

All RT-5000 configurations; Analog, Digital and RT-5000Ps (P25 Capability on the Main Transceiver).

1.4 Reason

The RT-5000 has been updated to address component obsolescence and assist with manufacturability. The following is a summary:

- Hardware MOD
 - The Transmitter board required changes due to part obsolescence and to assist with manufacturability. These changes included adding currently available parts to the PA lineup, antenna output and switching logic. The filter banks were redesigned to reduce part count and ease of factory alignment.
 - The Digital Signal Processing board required changes due to part obsolescence and to assist with manufacturability. The primary change was replacement of the CPU with a currently available option. An FPGA was added to reduce part count and circuitry by combining multiple integrated circuits and discrete components.
 - The Mother board changes were to assist with manufacturability. The current design requires hand soldered jumpers to change configurations/options. This process was designed out and replaced with DIP switches to reduce part count and ease of factory setting.
- Software SWID
 - Required to support the new CPU

1.5 Approval

To ensure continued compliance to the FCC regulations, the new configuration was tested and confirmed to pass all applicable requirements. The FCC identifier remains the same.

This minor change had no effect on the form, fit, function or interface of the unit. All weights and balances remain unchanged.

1.5 Recommendation

No actions required for fielded units. All new orders will be built with the new configuration as current material is depleted.