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## TECHNICAL NOTE TN-1096-SR

### 5030, 5035, 5040 Firmware Upgrade to 4.30 & TOP-TPA Upgrade to 4.10.00

10 October 2005

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#### Applicability

This Technical Note applies to the firmware utilised in the Tait Orca 5030, 5035, and 5040 MPT 1327 Trunked radios.

It also applies to the TOP Trunked Programming Application v4.10.00 used to read / program radio personality files.

## 1. Introduction

The Orca Trunked Firmware v4.30 has been released to manufacturing to replace the previous firmware (v4.29) being installed in Tait Orca 5030, 5035, and 5040 MPT 1327 products.

Version 4.30 firmware was first implemented in an Orca TOP-XXXXX-B0, radio serial number XXXXXXXX, job XXXXXXXXXX, on XXXXX 2005. (These details will be inserted and the Technical Note reissued when the information is available).

#### What does this work with?

This Firmware is compatible only with the TOP Trunked Programming Application (TOP-TPA) v4.10.00 or later.

The TOP-TPA v4.10.00 is available on the Tait Portables Programming Utilities (TPPU) v4.10.00 CD-ROM from the Tait Software Issuing Authority as IPN 406-00003-10, or for download from support.taitworld.com under "Portables" → "Programming Software".

## 2. Changes

#### What has been resolved in this release?

Firmware version 4.30 resolves the following issues in the Orca 5030, 5035, and 5040:

- Resolved issue whereby if the dialling scheme was 'Numbered Presets' and radio was operating on a conventional channel, then the user was able to manually enter a channel via the keypad. (Raised as TIMS 26156).
- Resolved issue whereby if operating on a conventional channel with transmit power set to 'None' the radio would not audibly indicate the transmission was disallowed. (Raised as TIMS 36084).
- Resolved issue whereby the radio would incorrectly acknowledge receipt of a Multiple Segment Transmission (MST). The Tait Orca 5000 does not support MST's. (Raised as TIMS 45541).
- FOCUS 20883: Resolved issue whereby rapid presses of the PTT during a call, with CTCSS transmit enabled would result in the radio entering System Error S49. **Note: Now if the PTT is pressed too rapidly an error tone will indicate the radio is not ready to re-enter transmit mode, and the user must release and press PTT again to transmit.** (Raised as TIMS 48117).

- FOCUS 20883: Resolved issue whereby the CTCSS filter was not activating correctly during a trunking call. (Raised as TIMS 48136).
- FOCUS 20900 & 20853: Resolved issue whereby if the system was utilising control channel reversion, then a called radio would not un-mute until the user had pressed PTT. (Raised as TIMS 48184).

## Changes to the TOP-TPA v4.10.00

The TOP Trunked Programming Application v4.10.00 resolves the following issues:

- FOCUS 21962 & 22093: Resolved issue whereby assigning a function to 'Function Key 3' was not correctly retained if saved to file. (Raised as TIMS 50192).
- Resolved issue whereby once enabled the 'Cancel SOS Override Function' could not be disabled. (Raised as TIMS 47457).
- Resolved issue whereby if all 'Normal Hunt Channels' were deleted from the list, then trying to 'Add' a new hunt channel would fail. (Raised as TIMS 50410).
- The default value for the 'TW' parameter on the 'Network Params' page has been changed to 60 seconds for consistency with the T2000 and TM8000 products.

## Compliance Issues

None

## CSO Instruction

**CSO's** – Please inform all logistics, sales and technical staff of these changes.

# 3. Issuing Authority

## Name and Position of Issuing Officer

Tim Lummis  
Technical Support Engineer

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## Distribution Level

Associate

## Document History

Original Release	10 October 2005	TPL
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