



TECHNICAL NOTE TN-1242b-SR

5030, 5035, 5040 Firmware Upgrade to 4.33 & TOP-TPA Upgrade to 4.13.00

19 December 2006 (Updated 12 February 2007)

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 v4.13.00 used to read / program radio personality files.

1. Introduction

The Orca Trunked Firmware v4.33 has been released to manufacturing to replace the previous firmware (v4.32) being installed in Tait Orca 5030, 5035, and 5040 MPT 1327 products.

Version 4.33 firmware was first implemented in an Orca TOP-C2620-B0, radio serial number 14368617, job 103036057, on 12 February 2007.

What does this work with?

This Firmware is compatible only with the TOP Trunked Programming Application (TOP-TPA) v4.13.00 or later.

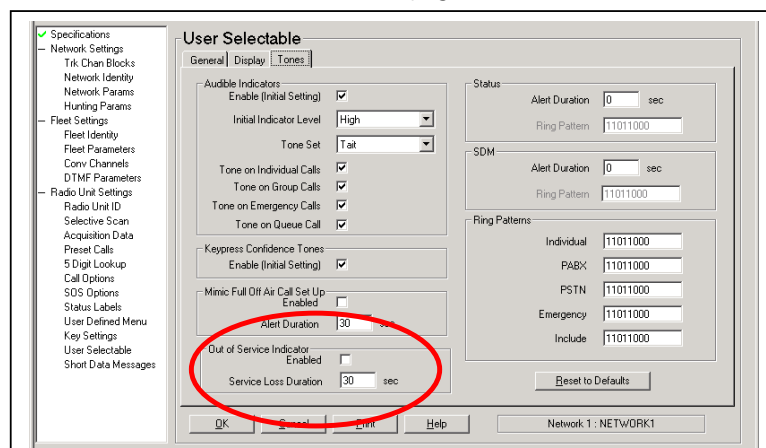
The TOP-TPA v4.13.00 is available on the Tait Portables Programming Utilities (TPPU) v4.13.00 CD-ROM from the Tait Software Issuing Authority as IPN 406-00003-13, or for download from support.taitworld.com under "Portables – Orca / T3000" → "Programming Software".

2. Changes

Implemented Enhancements

The TOP Trunked Programming Application v4.13.00 in conjunction with firmware v4.33 implements the following enhancements:

- An audible loss of MPT trunked service indicator has been added. This is enabled on the 'User Selectable' page, on the 'Tones' tab.



The 'Enabled' tick box will enable the out-of-service audible indicator function.

The 'Service Loss Duration' sets the period between the audible indicator announcements once MPT trunked service is lost. This can be set from 10 to 180 seconds between announcements, with the default being 30 seconds. (Raised as TIMS 53687).

What has been resolved in this release?

Firmware version 4.33 resolves the following issues in the Orca 5030, 5035, and 5040:

- Support has been added for the ADF4111 synthesiser. TOP radios utilising the ADF4111 synthesiser will contain a hardware version 030C. (Note: The ADF4111 synthesiser will not be introduced into TOP radios until early 2007).
- FOCUS 25012: If the third function key had been assigned to act as the 'Short Menu Key' with a function 'Select Network' and the trunked radio was powered up on a conventional channel, then a press of the third function key would not be actioned. (Raised as TIMS 55451).
- FOCUS 56981: Extremely rapid DTMF dialling, in conjunction with a low 'Interdigit TX Hold Time' on a conventional channel would result in the radio remaining in a transmit state until the transmit timer expired. (Raised as TIMS 56981).

Changes to the TOP-TPA v4.13.00

The TOP Trunked Programming Application v4.13.00 resolves the following issues:

- The 'MPT Dynamic Regrouping' option on the 'Specifications' page is now available in the Customer Mode. **Note: Some of the available regrouping features are not permitted in some countries. It is important that you consult with a Tait CSO to establish which regrouping option is most appropriate for your requirements.** (Raised as TIMS 50704).
- FOCUS 25639: The 'MPT Dynamic Regrouping' option setting was not correctly being retained when the radio personality file was saved. (Raised as TIMS 56889).
- FOCUS 24839: The 'Technician Calls' option on the 'Call Options' page is now available in Customer Mode. (Raised as TIMS 54923).
- Support has been added for the ADF4111 synthesiser. TOP radios utilising the ADF4111 synthesiser will contain a hardware version 030C. (Note: The ADF4111 synthesiser will not be introduced into TOP radios until early 2007).

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	19 December 2006	TPL
Update with first serial number information	12 February 2007	TPL