



Technical Note TN-692
**Firmware Upgrade for Orca 5000
Conventional Radios to v2.02**

5th November 2001

Applicability

This Technical Note applies to all conventional Orca 5000 portable radios (5010 and 5020).

1a. Information

Why has it been released?

This firmware release v2.02 resolves the following issues in TOP Conventional Radios:

Orca 5010:

- Correct status now sent when using the Alpha presets. See TIMS 2116
- Emergency ANI suppressed on first Transmit cycle so it does not appear as part of the Selcall sequence. See TIMS 2719
- Emergency ANI sidetones now muted. See TIMS 2720
- Emergency ANI now sent on every Transmit cycle, after SelCall, and does not use the ANI suppression time. See TIMS 2976
- Group SDM's no longer acknowledged. See TIMS 3076
- Call diversion corrected. See TIMS 3745
- Data control corrected. See TIMS 3807
- Increased the voltage level used for detecting the power off. See JOBS 1201

This TOP Conventional firmware release has been implemented from radio serial number **14131296**, 5th November 2001.

1b. Information

Why has it been released?

This firmware release v2.02 resolves the following issues in TOP Conventional Radios:

Orca 5020:

- Contrast can now be reset by holding down function key 2 when turning on the radio. *[NOTE: This also disables transparent data mode if enabled.]*. See SCRF 5760
- Call queue now decrements when CCDI 'C' command is sent to clear SDM. See TIMS 1904
- SDMs now displayed even if the call queuing is not enabled. See TIMS 1944
- Correct status now sent when using the Alpha presets. See TIMS 2116
- Emergency ANI suppressed on first Transmit cycle so that it does not appear as part of the Selcall sequence. See TIMS 2719
- Emergency ANI sidetones now muted. See TIMS 2720
- Keypad lock groupings corrected. See TIMS 2959
- Emergency ANI now sent on every Transmit cycle, after SelCall, and does not use the ANI suppression time. See TIMS 2976
- Group SDM's no longer acknowledged. See TIMS 3076
- Call diversion corrected. See TIMS 3745
- SDMs can now be received after an older SDM is forced out of a full queue. See TIMS 3795
- Data Control corrected. See TIMS 3807
- Increased the voltage level used for detecting the power off. See JOBS 1201
- Use of the Clear key will now exit the user from the menu and return to Channel mode if the default mode is set to none. See JOBS 1253
- SDM queue message no longer gets corrupted when dealing with a previously queued call. See JOBS 1310

This TOP Conventional firmware release has been implemented from radio serial number **14131296**, 5th November 2001.

2. Programming Requirements

What does it work with? This Firmware is only compatible with Orca Conventional Programming Application PGM v3.3.0 or later, software.

The full version software, Tait Programming Utilities, (TPU **version 2.1**) can be downloaded from the web at www.taitworld.com/support. However, this is a 34 MB file, and is also available on CD-ROM.

This provides Orca Conventional Programming Application PGM v3.1.0, and the patch to upgrade to PGM v3.3.0 can be executed from the drop down list.

3. Issuing Authority

Name and position of issuing officer Graham Brenchley
Customer Support Engineer