Technical Note TN-863

TOP Conventional Programming Applications that support the Tait Radio MODEM

3rd June 2004

Applicability   This Technical Note applies to Tait Radio Modems (TRM) fitted with Firmware version 2235A123 and the TOP Conventional Programming Application (TOP-CPA) required to read and program them.

1. Introduction

Background   There has been confusion over which Programming Application is compatible with the TRM.

The Tait Custom Integration (TCI) version of PC Application 2235A220 was released in June 2002, as part of the Tait Radio Modem project as at the time a version of mainstream TOP-CPA that supported the TRM, was not available.

This version is fully compatible with Firmware version 2235A123 (Released in June of 2003) but for consistency, the feature set was incorporated into mainstream TOP-CPA from version 3.6.1. However other enhancements to the TOP-CPA v3.6.1 and 3.8.1 resulted in the inability of being able to read/program the TRM.

2. Information

Details

Table 1 below is a list of Tait Orca Portable - Conventional Programming Application versions, Tait Programming Utilities, their compatibility and limitations with TRM fitted with Firmware Version 2235A123.

TOP-CPA Version Number	TPU Version Number	TRM Compatible	Limitations
3.3.0	N/A	Yes	No 'Subaudible Signalling for RX gate' field. See 'limitations' below for more detail.
3.4.0	2.2	Yes	
3.5.0	2.3	Yes	
3.6.1	2.4	No	Not compatible
3.8.1	3.8.1	No	
3.9.0	3.9.0	Yes	None

Table 1

Limitations:

The limitation of TOP-CPA Versions 3.3.0, 3.4.0 and 3.5.0 is the absence of the 'Subaudible Signalling for RX gate' field. This tickbox enhancement determines whether the Radio Modem needs to detect valid subaudible signalling as well as carrier before the Rx Gate line is asserted.

This field only un-greys when the radio model is a Tait Radio Modem.

Compliance Issues

None.

CSO Instruction

Please advise all Technical staff, Accredited dealers and Tait Radio Modem users.

3. Issuing Authority

Name and Position of Issuing Officer	Malcolm Brown Senior Customer Engineer
Confidentiality	Confidential – This message or document contains proprietary information intended only for the person(s) or organisation(s) to whom it is addressed. All Recipients are legally obliged to not disclose Tait technological or business information to any persons or organisations without the written permission of Tait.
Distribution Level	Tait Only, Associate, Associate SI, Accredited Service Centre and Accredited Service Centre SI.
Document History	Original Release 3rd June 2004 MJB