



## TECHNICAL NOTE TN-1155-AN

### CCDI Compatibility Between Tait Products

8<sup>th</sup> March 2006

#### Applicability

Applies to anyone that requires details of CCDI (Computer Controlled Data Interface) protocol compatibility between the Orca and TM8000 conventional series radios.

## 1. Introduction

CCDI operation, for the Orca portable series of radios, is based on CCDI Version 2. The TM8000 mobiles CCDI operation is based on Version 3.

Within CCDI3 there are a number of extra commands, which are not available within Version 2.

The following tables detail whether the listed CCDI commands are either 'supported' (S) or 'not supported' (NS) for the TOP, TM8100 or TM8200 as of the 8<sup>th</sup> March 2006.

Where there is a version number such as v2.06.00 then the command will be supported within this version of firmware onwards.

For a more detailed description of each 'command' please refer to the appropriate CCDI document or email [support@taitworld.com](mailto:support@taitworld.com)

## 2. CCDI Compatibility Tables

- Compatibility for the 'Cancel' command

Type		Orca	TM8100	TM8200
None		S	S	S
0 (Cancel Call)		S	S	S
1 (Delete SDM)		S	S	S
2 (Reset Menu)		S	S	S

- **Compatibility for the 'Function' command**

Function	Sub Function	Qualifier	Orca	TM8100	TM8200
0	0 (CCR)		NS	S	NS
0	1 (Volume Control)	0,1	NS	S	S
0	2 (Volume Level)	0-9	NS	S	S
0	2 (Volume Level)	0-25	NS	v2.06.00	S
0	3 (Selall Output)	0,1	NS	S	S
0	4 (Progress Output)		NS	S	S
0	5 (Channel Reports)	0,1,2	NS	v2.03.00	NS
0	6 (Diagnostic Mode)	0,1	NS	v2.10.00	NS
1 (SDM Control)	0 (Output on Rx)	0,1	NS	S	S
1 (SDM Control)	1 (Caller Id Encode)	0,1	NS	S	S
1 (SDM Control)	2 (Caller Id Decode)	0,1	NS	S	S
2 (Emergency Mode)		0,1	NS	S	S
2 (Emergency Mode)		2	NS	NS	NS
3 (Simulate Key Press)		000-089	NS	S	S
4 (User Controls)		0,1,2	S	S	S
5 (Reciver Audio Mute)		0,1	S	S	S
6 (Transparent Mode Filter)		0,1	S	NS	NS
7 (Subaudible Signalling)		0,1	S	S	S
8 (Monitor Control)		0,1	S	S	S
9 (Tx/Rx Control)		0,1	S	S	S

- **Compatibility for the 'Query' command**

Type	Parameter 1		Orca	TM8100	TM8200
0 (Model)			S	S	S
1 (SDM)			S	S	S
	2		NS	NS	NS
3 (Version)			NS	S	S
4 (Serial Number)			NS	S	S
5 (CCTM)	63,64,318,319		NS	v2.09.00	NS
5 (CCTM)	47		NS	v2.10.00	NS
6 (GPS)			NS	v2.10.00	NS

- **Compatibility for the 'Transparent' command**

Mode		Orca	TM8100	TM8200
none		S	S	S
0,H		NS	S	S

- **Compatibility for the 'Send SDM' command**

Orca	TM8100	TM8200
S	S	S

- **Compatibility for the 'Error' command**

Type	Number	Orca	TM8100	TM8200
	001 (Unsupported)	S	S	S
	02 (Checksum)	S	S	S
	03 (Parameter)	S	S	S
	04	S	NS	NS
	05 (Not Ready)	S	S	S
	06 (Not Accepted)	NS	S	S
	10-9999	S	S	NS

- **Compatibility for the 'Model' command**

Orca	TM8100	TM8200
S	S	S

- **Compatibility for the 'Version' command**

Record	Orca	TM8100	TM8200
00 (Model Name)	NS	S	S
01 (Software Version)	NS	S	S
02 (Database Versions)	NS	S	S
03 (FPGA Version)	NS	S	S

- **Compatibility for the 'Serial Number' command**

Orca	TM8100	TM8200
NS	S	S

### Compliance Issues

None

### CSO Instruction

Please inform all customers and technicians that require details on CCDI compatibility information between conventional Tait products or intend to use the CCDI feature on these products.

## 3. Issuing Authority

### Name and Position of Issuing Officer

Malcolm Brown  
Senior Technical Support Engineer

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### Distribution Level

Associate

### Document History

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