T10/05-304r1

To	From	Subject	Date
INCITS T10 Committee	Michael Banther, HP	ADC-2 Vendor-specific VHF Data Bits	10 October 2005

Revision History

Revision 0 – Initial document.

Revision 1 – Change to a single flag which indicates that further information exists in a vendor-specific log parameter or is available via the vendor-specific protocol in ADT.

Background

HP would like to convert a reserved bit in the VHF DATA DESCRIPTOR to vendor-specific use in ADC-2. This change will permit implementers of ADC-2 and future generations some flexibility to experiment with reporting additional parameters in the VHF data without the need to otherwise alter the format of the Very High Frequency data log parameter.

Changes to draft standard

3.2 Symbols and abbreviations

VS   Vendor-specific (see 3.1.42)

6.1.2.2 Very high frequency data log parameter

Table 16 — VHF DATA DESCRIPTOR field

Bit Byte	7	6	5	4	3	2	1	0
0	PAMR	HIU	MACC	CMPR	WRTP	CRQST	CRQRD	DINIT
1	INTXN	Rsvd	RAA	MPRSNT	Rsvd	MSTD	MTHRD	MOUNTED
2	DT DEVICE ACTIVITY							
3	VS	Rsvd	Rsvd	Rsvd	Rsvd	RRQST	INTFC	TAFC

The recovery requested (RRQST) bit shall be set to one to indicate that the DT device has detected an error and that one or more requested recovery procedures are available via the Requested Recovery log page (see 6.1.4). A RRQST bit set to zero indicates that no recovery procedure is requested. The RRQST bit shall remain set to one as long as a recovery procedure is available. When the RRQST bit is set to one, the INTXN bit shall be set to zero.

> NOTE 7 The Requested Recovery log page may indicate that a recovery procedure is not requested or not defined.

> NOTE x When the VS bit is set to one, vendor-specific log parameters may appear in a standard log page (e.g. the vendor-specific parameters in the Error Counter log pages, see SPC-3) or in a vendor-specific log page. If the device includes an ADT port (see ADT-2) the application client may be able to retrieve vendor-specific log parameters using the vendor-specific protocol of ADT-2.