TO: T10 Membership
FROM: Paul A. Suhler, Certance
DATE: 9 August 2004
SUBJECT: T10/03-133r9, Features for ADC-2 and ADT-2

Revision 9:

- Address Device Status log page to TARGET LOG PAGES well-known logical unit.

Revision 8:

- Mechanism for automation device to update its firmware from a medium in a DTD via the ADT.
- Resolve how the local SMC device server handles INQUIRY for page 83h with association = 2 (target device).

Revision 7:

- Add support to ADC DTD Primary Port Status log parameter and DTD Primary Port mode descriptor for SAS and possibly iSCSI.

Revision 6:

- Simplification of retryable error recovery.

Revision 5:

- Smaller ADI connector

Revision 4:

- Added a section to this document for feature descriptions that are not available in either T10 proposals or minutes.
- Identification Descriptor sub-page for ADC Device Configuration mode page.

Revision 3:

- Real-Time Clock
- Volume Identifier

Revision 2:

- Automation initiated/mediated DTD diagnostics
- Automation firmware update from tape via a read buffer command

Revision 1:

- Control of sense data masking via mode page
- Added links to documents

Revision 0:

- Passthrough bridging
- Progress indication

General

In the development of Automation Drive Interface standards, ADC and ADT, a number of concepts were discussed which were of insufficient urgency to include in the first generation standards. This document lists those concepts and the affected standards, as well as the documents and meeting minutes which present the most-fully developed presentation of the concepts.

Feature	Affected Standards		Proposal documents	Minutes
	ADC-2	ADT-2		
Passthrough Bridging	X	X	03-077r3	10 – 11 March 2003 ADI WG meeting, 03-117r0
Progress Indication	X		ADC-r01, clause 4.2.5	10 – 11 March 2003 ADI WG meeting, 03-117r0
Control of Sense Data Masking	X		03-087r1	8 April 2003 ADI WG teleconference, 03-159r0
Automation initiated/mediated DTD diagnostics	X		None	8 July 2003 ADI WG meeting, 03-236r0
Automation firmware update from tape via a read buffer command	X		None	8 July 2003 ADI WG meeting, 03-236r0
Real-Time Clock Control	X		None	8 September 2003 ADI WG meeting, 03-295r0
Volume Identifier Control	X		None	8 September 2003 ADI WG meeting, 03-295r0
Identification Descriptor sub-page	X		1	None
Smaller ADI Connector		X	None	23 February 2004 ADI WG teleconference, 04-066r0
Simplification of retryable error recovery.		X	None	8–9 March 2004 ADI WG meeting, 04-080r0, Unscheduled Business item f
ADC support for SAS and iSCSI.	X		None	12 July 2004 ADI WG meeting, 04-199r0, ADC LB comment Seagate-41.
Mechanism for automation device to update its firmware from a medium in a DTD via the ADT	X		ADC LB comment Seagate-25	29 July 2004 ADI WG teleconference, 04-244r0
How does the local SMC device server handle INQUIRY for page 83h with association = 2 (target device)?	X		ADC LB comment HP-88	29 July 2004 ADI WG teleconference, 04-244r0
Address Device Status log page to TARGET LOG PAGES well-known logical unit.	X		ADC LB comment HP-172	9 August 2004 ADI WG teleconference, 04-256r0, item 5f.

Other References

This section documents requests that are not listed in meeting minutes or T10 documents

1. 4 November 2003 e-mail from Michael Banther:

   Hi Paul,

   I'd like to request an area for consideration in ADI-2. I think that we should investigate altering the definition of the ADC Node Descriptor sub-page (6.2.2.1 in ADCr06) to become an Identification Descriptor sub-page. The Identification Descriptor sub-page would provide a general facility to alter any Identification Descriptor reported in VPD page 83h by a DTD. If we cannot alter the existing sub-page and maintain backwards compatibility, I would like to see the introduction of a new Identification Descriptor sub-page with the intention of making the Node Descriptor sub-page obsolete in a future generation of the standard (no sooner than ADI-3).

Could you please add this subject to the list for ADI-2?

Thanks,

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