

TO: T10 Membership
FROM: Paul A. Suhler, Quantum Corporation
DATE: 6 November 2007
SUBJECT: T10/06-425r8, Features for ADC-3 and ADT-3

Revision 0:

- Passthrough bridging
- Progress indication
- Utilizing physical device model

Revision 1:

- Fast Access over non-ADT transports
- SAM-4 and SPC-4 compliance

Revision 2:

- Clarify support for security protocol parameters.
- Make usage of device server and logical unit consistent.
- Log subpages.

Revision 3:

- Added features deferred to ADC-3 during ADC-2 letter ballot comment resolution.

Revision 4:

- New task management functions.
- ADC-2 UML diagrams.
- Remove ADC-2 note on not supporting reservations.

Revision 5:

- PREVENT ALLOW MEDIUM REMOVAL command behavior in ADI bridging.

Revision 6:

- Automation control of encryption performed by data transfer device.

Revision 7:

- Transport of ADT over Ethernet.

Revision 8:

- Moved Max ACK offset vs baud rate negotiation from ADT-2.

General

In the development of the second generation Automation Drive Interface standards, ADC-2 and ADT-2, 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.

Status of Items

Unassigned
Assigned
Completed
Dropped

Number	Feature	Affected Standards		Priority	Proposal documents	Minutes
		ADC-3	ADT-3			

Number	Feature	Affected Standards		Priority	Proposal documents	Minutes
		ADC-3	ADT-3			
1	Bridging Reservations	X			06-261r1, section 3.1	12 Sep 2006 WG meeting (06-401r1) item 5.4. Also ADC-2 LB comment HPQ-91.
2	RMC device server acquisition of automation device's worldwide name and the DT device's element address.	X			Requested by CA in 05-315r2, section 3.1.7	12 Sep 2006 WG meeting (06-401r1) item 5.5
3	Define operations in terms of physical device model	X			T10/049r6	12 Sep 2006 WG meeting (06-401r1)
4	Define transport of Fast Access protocol over transports other than ADT.	New Standard				6 Nov 2006 WG meeting (06-490r0)
5	SAM-4 and SPC-4 compliance, including: <ul style="list-style-type: none"> Log subpages 	X	X			Nov 2006 WG meeting (06-490r0); 31 Jan 2007 WG teleconference meeting and ADC-2 letter ballot comments HPQ-181, etc.
6	Make usage of "device server" and "logical unit" consistent	X				31 Jan 2007 WG teleconference meeting and ADC-2 letter ballot comment QTM-42
7	Clarify support for security protocol parameters	X				31 Jan 2007 WG teleconference meeting and ADC-2 letter ballot comments HPQ-137 and QTM-48
8	Add Port_Name and Node_Name to DT Device Status log page Fibre Channel port status data.	X				12 March 2007 WG meeting minutes (07-107) and ADC-2 letter ballot comment HPQ-206 (06-475r3).
9	Add QUERY TASK SET and QUERY UNIT ATTENTION task management functions to SCSI Encapsulation protocol		X		07-066r0, 07-067r0 (ADT-3 proposal needed)	14 Mar 2007 CAP WG minutes (07-116r0) items 4.3 and 4.4.
10	Add UML diagrams to device server interaction clause.	X				18 Apr 2007 ADI-2 WG minutes, item 5.1, (07-187r0) and ADC-2 letter ballot comment HPQ-61.
11	Remove explanatory note	X				18 Apr 2007 ADI-2

Number	Feature	Affected Standards		Priority	Proposal documents	Minutes
		ADC-3	ADT-3			
	about not supporting reservations from the device server interaction clause.					WG minutes, item 5.1, (07-187r0) and ADC-2 letter ballot comment IBM-19.
12	Define processing of PREVENT ALLOW MEDIUM REMOVAL command by local SMC device server	X				7 May 2007 ADI-2 WG minutes (07-206r0), item 5.2.
13	Automation control of encryption performed by data transfer device. Assigned to Ballard.	X			07-164r0	7 May 2007 ADI-2 WG minutes (07-206r0), item 6.3. 30 May 2007 ADI-2 WG minutes (07-261r0), item 5.3.
14	Transport of ADT over Ethernet		X			17 September 2007 ADI-2 WG minutes (07-405r0) item 8.4
15	Raise Max ACK Offset during negotiation as baud rate is lowered [Deferred from ADT-2 to ADT-3 by Banther per e-mail 6 November 2007]		X			12 September 2005 ADI-2 WG meeting.

Other References

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