

Draft Minutes
Automation/Drive Interface (ADI) Working Group
Ad Hoc Teleconference
T10/03-225r0
30 June 2003
8:05 AM – 10:20 AM PDT

Conference Call Information:

Hosted by: Quantum
Toll free: 800-668-7083
International: 719-536-6600
Pass Code: 5764

1. Introductions: Group

Paul Suhler called the teleconference to order at 8:05 AM PDT. A table of the attendees appears at the end of these minutes.

In Michael Banther's absence, Susan Gray offered to act as secretary.

2. Approval of agenda 03-226r0 Paul Suhler

Paul Suhler discussed the order of the discussion items. Since Michael was unable to attend, 03-204r2 was removed from the agenda. Rod suggested moving 03-217r0 to the end since it was discussed in the last conference call in order to allow time for other issues.

Paul Suhler made a motion for acceptance of the modified agenda. Rod Wideman seconded the motion. The group passed the motion by acclamation.

3. Approval of previous meeting minutes Paul Suhler

5-6 May 2003 meeting	03-171r1
19 May 2003 teleconference	03-196r1
2 June 2003 teleconference	03-206r0
16 June 2003 teleconference	03-218r0

Paul Suhler requested comments for the minutes of the about meetings/conferences. No one provided comments.

4. Review of action items: Paul Suhler

- a. Bob Griswold to follow up with SNIA Interoperability Conformance Test Program (ICTP) Subcommittee regarding test/emulation tool. *Carryover*
- b. Paul Entzel will write an appendix to ADT to describe an example login. *Carryover*
- c. Paul Entzel will incorporate 03-208r0 into ADT. *Carryover*

- d. Paul Entzel will write a proposal for an ASC/ASCQ from CAP. *Closed (03-227r1)*
 - e. Susan Gray will produce a proposal for resets. *Closed (03-221r0)*
 - f. Rod Wideman will revise 03-212 based on discussion item (a) of 03-218r0. *Closed (03-212r2)*
 - g. Rod Wideman will incorporate 03-212 as revised into ADC. *Carryover*
 - h. Michael Banther will revise 03-204 based on discussion item (b) of 03-218r0. *Closed (03-204r2)*
 - i. Michael Banther will propose a protection feature for firmware upgrades. *Carryover*
5. Discussion items:
- a. ADC Informative annex 03-202r0 Paul Suhler
 - Add note to describe when this sequence is initiated. Needs to happen at power up or anytime the drive or library is reset.
 - Lee asked what Test Unit Ready means. In his view, it should not report hardware errors, just the ready status. Rod read SPC definition which indicates that it should report “not ready” if the device can not become operational. This started a whole discussion on Test Unit Ready indicating the readiness of the RMC device server, and whether that makes sense. It was decided that we would continue that discussion at a later date.
 - Rod asked what value does section 3 provide over and above what is already in the mode page definitions. Also, the block descriptor length should be 0. Need to describe the full context. Put in real values for a specific configuration.
 - Just above A.3.1, there is an incomplete sentence.
 - Section A.1 – remove “in the drive” in last sentence.
 - Section A.3.2 Lee commented that it is intermixing the obtaining the parameters and setting them.
 - The text should indicate that saving mode parameters is optional.
 - Section A.3.7 Additional descriptor length – does it include the LUN? Rod suggests that it does not. To make it more clear, it was suggested that the additional descriptor length and logical unit number fields could be swapped in table 34 of ADC rev 4.
 - b. ADI Log parameters for DTD primary port status 03-220r0 Lee Jesionowski
 - Don't change Relative Target Port in order to be consistent with SPC.
 - The tables defining the log parameters should start at offset 0 and not 4. The tables in ADC should also be fixed (tables 10, 11, 13 in ADC rev 4).
 - Paul Entzel's comments:

LIPC – Change wording to be more general and mean the link is initialized.

Light – assumes optical. Signal present would be more general to cover all types of connections.

Add the reporting of the negotiated parameters. Lee thought that the mode data provided that. Paul believes that SPC -3 rev 13 6.9.3 states that it does not necessarily report the current operating value. If part of the data is in mode data and part is in log data, it makes it more difficult. It was agreed to add reporting of all parameters in the log page.

-Add topology, speed, and address (3 bytes) for Fibre Channel log parameter.

-Add bus mode, SCSI address, and transfer period factor for Parallel SCSI log parameters.

c. ADI Resets 03-221r0 Susan Gray

4.x – note that TARGET RESET is optional

Remove section 4.y and all other references. Instead reference SAM-2

Add changes to ADC:

-all references to power cycle or hard reset should be logical unit reset

-TapeAlert flags shall be reset to 0 on a logical unit reset

d. No discussion on the remainder of the agenda items due to lack of time.

6. Unscheduled business:

7. Next meeting requirements: Paul Suhler

The group will hold a meeting 7-8 July 2003 during T10 plenary week in Colorado Springs, CO. The meeting will begin on the 7th immediately after the T10 SMC-2 Working Group meeting finishes. The meeting time on the 8th will occupy the entire day, concluding at 6:00 PM MDT.

8. Review new action items: Susan Gray

a. Paul Suhler will revise 03-202r0 based on discussion item a.

b. Lee Jesionowski will revise 03-220r0 based on discussion item b.

c. Susan Gray will revise 03-221r0 based on discussion item c.

9. Agenda items for 7-8 July 2003 meeting

a. In ADC, Test Unit Ready currently reflects the readiness of the RMC device server. Is this what is wanted/needed?

b. Rod to discuss changing the order of the length and LUN fields in ADC Rev 4 table 34

- c. ADC Mode parameters need to be fixed so that it works the same way as SPC. (MPN and MNN as well as what is reported for negotiated values).

10. Adjournment

Group

Lee Jesionowski made a motion for adjournment. Paul Suhler seconded the motion. The group passed the motion by acclamation. The meeting was adjourned at 10:20 AM PDT.

Attendees:

Name	Organization	E-mail
Rod Wideman	ADIC	rod.wideman@adic.com
Paul Suhler	Certance	paul.a.suhler@certance.com
Lee Jesionowski	IBM	ljesion@us.ibm.com
Paul Entzel	Quantum	paul.entzel@quantum.com
Susan Gray	Quantum	susan.gray@quantum.com