

Draft Minutes
Automation/Drive Interface (ADI) Working Group
Ad Hoc Teleconference
T10/03-196r1
19 May 2003
8:00 AM – 10:00 AM PDT

Conference Call Information:

Hosted by: Certance
Toll Free: 866-828-0531
International: 309-229-0103
Pass code: 6412485

1. Introductions: Group

Paul Suhler called the teleconference to order at 8:11 AM PDT. A table of the attendees appears at the end of these minutes.

2. Approval of the agenda: 03-195r0 Paul Suhler

Paul Suhler asked Rod Wideman if he was ready to discuss the ADC model of TapeAlert. Rod replied that he was not ready. Paul Suhler then suggested removing the associated discussion item.

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

3. Approval of previous meeting minutes: Paul Suhler

5-6 May 2003 meeting 03-171r0

Paul Suhler requested comments for the minutes of the 5-6 May 2003 meeting, 03-171r0.

Rod Wideman noted that the minutes did not include the action item to incorporate 03-181r0 into ADC (action item still open). Michael Banther will modify the minutes and re-post.

4. Review of action items: Michael Banther

a. Rod Wideman to produce a proposal for device server interaction section in ADC document. *Carryover*

b. Lee Jesionowski to create a proposal for method to convey Interface Status changed. *Carryover*

c. Bob Griswold to follow up with SNIA Interoperability Conformance Test Program (ICTP) Subcommittee regarding test/emulation tool. *Carryover*

d. Rod Wideman to update ADC to reflect terminology changes. (e.g. device server and primary port references). *Carryover*

e. Paul Suhler to revise 03-165r1 per the discussion. *Closed*

- f. Paul Suhler to send revised 03-165r1 to Rod Wideman. *Closed*
- g. Rod Wideman to incorporate the revised 03-165r1 into ADC. *Carryover*
- h. Library vendors to decide what reset capabilities are needed (e.g., hard reset, branch to 0, target reset) and provide feedback at next conference call in two weeks. Susan Gray to write proposal based on input. *Carryover*
- i. Paul Entzel to revise 03-163r0 and include in ADT as modified. *Closed*
- j. Rod Wideman to make editorial changes to Stream Device descriptor based on discussion (ENABLE bit description, rename Stream Device descriptor to RMC Logical Unit descriptor, also rename to SMC and ADC descriptors). *Carryover*
- k. Rod Wideman to write proposal for TA flag behavior. *Carryover*
- l. Rod Wideman to update ADC editor's notes as discussed. *Closed*
- m. Lee Jesionowski to provide Rod Wideman with ADC editorial comments (email or phone). *Closed*
- n. Lee Jesionowski to provide pinout proposal for ADT connector. *Carryover*
- o. Paul Suhler to post 03-077r7 and send to Paul Entzel and Rod Wideman for inclusion in ADT and ADC. *Closed*
- p. Paul Entzel to incorporate 03-077r7 into ADT. *Closed*
- q. Rod Wideman to incorporate 03-077r7 into ADC. *Carryover*
- r. Rod Wideman to incorporate 03-181r0 into ADC. *Carryover*

5. Discussion items:

a. ADI connector status

Paul Suhler

Paul Suhler provided an update. The proposal is moving along slowly in SFF committee. JST is waiting for input from their engineering staff. Paul Suhler will contact both Molex and JST.

b. ADI Connector pinout proposal

Lee Jesionowski

Lee Jesionowski described his strategy for assigning pins. His proposal will include pins 1 through 9 as described in HP's ACI specification (documented in T10/02-011r0) and pin 10 for Sense_{aux}. HP's Attention pin will map to Signal_{aux}.

c. ADI adoption issues

Paul Suhler

Paul Suhler described reluctance from StorageTek to implement ADI. Reif Heck from StorageTek has asked for some guidance on the simplest possible implementation. Paul Suhler has volunteered to provide a series of SCSI commands needed for configuration. Paul Suhler suggested at the May meeting adding an appendix to described sample command sequences.

Paul Entzel raised concerns about obtaining feedback from Overland Data, Qualstar and Plasmon.

We discussed what concerns might delay or inhibit implementation by a library vendor. All agreed that we will never specify the standard behaviour well enough to prohibit slightly incompatible implementations, and that the first implementers (drive and library)

will define the de-facto standard in these areas. Paul Suhler suggested having the second generation draft standards in progress to discuss and document these de-facto decisions as they arise.

6. **Unscheduled business:**

We discussed HP's upcoming Clean Protect and Upgrade Protect proposals. Rod Wideman suggested using a Notify DTD to notify the drive that the next load will be a cleaning/upgrade cartridge. Lee Jesionowski and Paul Suhler raised some concerns over error cases that will arise using a notification. Lee Jesionowski also raised concern about whether every different type of cartridge load would require a Mode Select command. Michael Banther assured him that the proposal would not require such behaviour.

Rod Wideman asked if any other proposals were in the works. None were forthcoming.

7. **Next meeting requirements:**

Paul Suhler

The group will hold ad-hoc teleconferences on:

- 2 June 2003 – ADIC to host (same phone numbers as before), and
- 16 June 2003 – IBM to host.

Each teleconference will start at 8:00 AM PST and finish at 10:00 AM PST.

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:**

Michael Banther

- a. Susan Gray will send an e-mail to the T10 reflector to solicit information from library vendors regarding reset capabilities in the DTD.
- b. Paul Suhler will contact JST and Molex re: plans for providing SMT version of 10-pin connector.
- c. Paul Entzel will write an appendix to ADT to describe an example login.
- d. Paul Suhler will write an appendix to ADC to describe an example of DTD primary port control.

9. **Adjournment:**

Group

Paul Suhler made a motion for adjournment. Rod Wideman seconded the motion. The group passed the motion by acclamation. Paul Suhler adjourned the group at 9:15 AM PDT.

Attendees:

Name	Organization	E-mail
Rod Wideman	ADIC	rod.wideman@adic.com
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