

Draft Minutes
Automation/Drive Interface (ADI) Working Group
Ad Hoc Teleconference
T10/08-329r0
13 August 2008
8:05 am – 09:59 am PDT

1 Introductions:

Paul Suhler called the meeting to order at 8:05 AM PDT. He thanked Quantum for hosting the meeting.

2 Approval of the agenda:

Paul Suhler reviewed the agenda with the group.

Paul Suhler proposed deferring item 9.1 until after item 9.2.

Rod Wideman made a motion for acceptance of the agenda as modified. Halvard Eriksen seconded the motion. The group approved the motion unanimously.

3 Attendance and Membership:

Paul Suhler discussed the attendance, membership, and voting rules for this meeting.

The listing below captures the attendance at this meeting:

Name	S	Organization
Mr. Noud Snelder	V	BDT
Mr. Curtis Ballard	A	Hewlett Packard Co.
Mr. Kevin Butt	P	IBM Corp.
Mr. Larry Tipton	A	IBM Corp.
Mr. Geoffrey Barton	V	Overland Storage
Mr. Paul Stone	A	Quantum Corp.
Dr. Paul Suhler	P	Quantum Corp.
Mr. Rod Wideman	A	Quantum Corp.
Mr. Halvard Eriksen	AV	Tandberg Storage

9 People Present

Status Key: P - Principal
A - Alternate
AV - Advisory Member
E - Emeritus
L - Liaison
V - Visitor

4 INCITS Patent Policy:

Paul Suhler reviewed the INCITS patent policy.

5 INCITS Antitrust Guidelines

Paul Suhler reviewed the guidelines around avoidance of antitrust issues.

6 Approval of previous meeting minutes:

14 July 2008 meeting [08-291r0](#)

Paul Suhler requested comments for the minutes of the 14 July 2008 meeting (see above). No one provided comments or corrections.

7 Call for secretary [Suhler]:

Paul Suhler noted that ADI remains without a permanent secretary. He asked if anyone wished to volunteer to fill this role. No one volunteered, so Paul encouraged participants to consider taking up the role. Rod Wideman agreed to serve as secretary for this meeting.

8 Review of action items:

08-020 Rod Wideman to revise [08-021r1](#) and post per old business item 9.1 of [08-291r0](#).
Closed, [08-021r2](#)

08-021 Paul Suhler to revise [07-469r6](#) and post per old business item 9.2 of [08-291r0](#).
Closed, [07-469r7](#)

08-022 Paul Stone to incorporate [08-226r1](#) into ADC-3. *Carryover.*

08-023 Paul Stone to incorporate [08-148r0](#) into ADT-2. *Carryover.*

08-024 Paul Suhler to create a proposal for item 11 in [08-147r1](#) per old business item 9.3 of [08-291r0](#). *Closed; did not create a proposal, has been added as agenda item 10.2 for discussion.*

08-025 Paul Suhler to revise [08-147r1](#) and post per old business item 9.3 of [08-291r0](#).
Closed, [08-147r2](#).

08-026 Geoffrey Barton to create a proposal for item 12 in [08-147r1](#) per old business item 9.3 of [08-291r0](#). *Carryover.*

9 Old business:

9.1 **ADC-3 SET AUTOMATION DEVICE ATTRIBUTE command ([08-021r2](#)) [Wideman]**

(This item was discussed after item 9.2)

Rod Wideman reviewed the changes with the group. Rod asked if there was a preference for considering incorporation of the proposal in its current form, or for waiting until a corresponding 'report' command was added. The feedback from the group was to wait for the additional command. Rod agreed to bring back a new revision.

9.2 **ADT-2: Internet ADT (iADT) ([07-469r7](#)) [Suhler]**

Paul Suhler led the group through the changes in this revision.

Kevin Butt requested a brief overview from Paul Suhler for the benefit of new attendee Larry Tipton. Paul described the various aspects.

Paul noted that adding ladder diagrams created a need to update the conventions clauses.

Paul reviewed the first ladder diagram and asked whether the 'iADT Only' depiction was clear. There was discussion as to whether the iADT depiction should be separate, or separately described. Paul agreed to make changes.

Paul then reviewed data transfer diagram and asked if the arrows between the devices needed a label. Discussion ensued, and resulted in a recommendation that it be labeled, and be made consistent with the model clause (i.e., encoded characters), along with a reference.

The closing connection diagram was noted to also benefit from separating into serial and iADT.

On the reset diagram, Halvard Eriksen asked if the reset was on a rising or falling edge. Paul reviewed the model clause wording for reset, and did not locate a reference to rising or falling edge. Paul recommended continuing with the asserted and deasserted language.

Kevin noted that the Reset was referring to a line outside of TCP/IP, so should it be in a different subclause. Paul responded that he would prefer it remain in the introduction. Paul suggested perhaps clarifying these via the figure titles, but noted these are protocol services.

Paul mentioned that he changed "ADT TCP/IP interconnect" to "iADT interconnect port" throughout.

Paul then went over the Closed service indication. Kevin noted a use of 'may' for invoking the indication. Paul responded with a concern over breaking existing behavior, or causing behavior that would stop everything if it's working. If anyone decides that the 'may' should be a 'should', they are to let Paul know (not a formal action item though).

Paul noted the definition of a CLOSED STATE reason as being a loss of a TCP connection, which allows either a close or abort.

Rod Wideman noted some possible inconsistency in terminology for ports (e.g., ADT port, iADT, interconnect port). Paul will review throughout.

There was discussion on the immediacy of closing an iADT port. Larry described the behavior of a linger value. The difference between the serial and iADT is that there could be a delay in closing with iADT. If we were to add a linger value, it would be part of a Close request. Much discussion ensued regarding the workings of TCP sockets, and that the linger value is used on an Open, not a closed. The net was that Paul was disinclined to add a linger value. Kevin noted that perhaps most implementations will be dealing with third-party stacks, and that maybe the services will depend on them. It is preferable to not require any changes to the stacks. As part of implementation choice, there was some discussion of connection lifetimes (i.e., one per action, or multiple actions per connection). Either approach seemed allowable per the proposal.

Finally, Paul noted the corresponding proposal for ADC-3 (08-301r0) for I_T nexus loss, since there wasn't a change needed in ADT-2.

Paul agreed to bring back a new revision.

9.3 ADI: Features for ADC-3 and ADT-3 (08-147r2) [Suhler]

This item was deferred due to lack of time.

10 New Business

10.1 **ADC-3: Remove Configure Encryption Policy mounted volume restriction ([08-247r1](#)) [Wideman]**

This item was deferred due to lack of time.

10.2 **ADC-3: Remove Note 1 (no proposal) [Suhler]**

This item was deferred due to lack of time.

10.3 **Version code for ADC-3 and ADT-2 (no proposal) [Suhler]**

This item was deferred due to lack of time.

10.4 **ADC-3: I_T Nexus Loss Effect on Bridged Commands ([08-301r0](#)) [Suhler]**

This item was deferred due to lack of time.

10.5 **TapeAlert Response (ADC-3) vs TapeAlert Supported Flags (SSC-3), hex or decimal. (Berhan e-mail) [Suhler]**

This item was deferred due to lack of time.

11 Next meeting requirements:

The group will hold a meeting on 8 September 2008 during T10 plenary week in Colorado Springs, Colorado beginning when the SMC-3 working group adjourns and concluding at 7:00 PM MDT.

12 Review action items:

08-022 Paul Stone to incorporate [08-226r1](#) into ADC-3.

08-023 Paul Stone to incorporate [08-148r0](#) into ADT-2.

08-026 Geoffrey Barton to create a proposal for item 12 in [08-147r1](#) per old business item 9.3 of [08-291r0](#).

08-027 Paul Suhler to revise [07-469r7](#) and post.

08-028 Rod Wideman to revise [08-021r2](#) and post.

13 Adjournment:

Kevin Butt made a motion for adjournment. Curtis Ballard seconded the motion. The group passed the motion unanimously. Paul Suhler adjourned the group at 9:59 AM PDT.