

Draft Minutes
Automation/Drive Interface (ADI) Working Group
Ad Hoc Meeting
T10/07-477r0
5 November 2007
9:00 AM – 1:00 PM PST

1 Introductions:

Paul Suhler called the meeting to order at 9:05 AM PST. He thanked Hitachi GST for hosting the meeting.

2 Approval of the agenda:

Paul Suhler reviewed the agenda with the group. Kevin Butt requested deferral of Old Business item 9.1.

Kevin Butt made a motion for acceptance of the agenda as written. Geoff Barton 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 | V | Hewlett Packard Co. |
| Mr. Michael Banther | A | Hewlett Packard Co. |
| Mr. Christopher Williams | V | Hewlett Packard Co. |
| Mr. Kevin Butt | P | IBM Corp. |
| Mr. Geoffrey Barton | V | Overland Storage |
| Dr. Paul Suhler | P | Quantum Corp. |
| Mr. Paul Stone | V | Quantum Corporation |
| Mr. Erich Oetting | P | Sun Microsystems, Inc. |
| Mr. Raymond Gilson | A | Symantec Corporation |
| Mr. Halvard Eriksen | AV | Tandberg Storage |

11 People Present

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

4 INCITS Patent Policy:

Paul Suhler briefly discussed the INCITS patent policy and directed interested individuals to the T10 short summary at <http://www.t10.org/patpol.htm>.

5 Approval of previous meeting minutes:

| | |
|----------------------------------|--------------------------|
| 17 September 2007 meeting | 07-405r0 |
| 26 September 2007 teleconference | 07-431r0 |
| 10 October 2007 teleconference | 07-442r0 |
| 31 October 2007 teleconference | 07-465r0 |

Paul Suhler requested comments for the minutes of the 17 September 2007 meeting, and the teleconferences of 26 September 2007, 10 October 2007, and 31 October 2007 teleconference, [07-405r0](#), [07-431r0](#), [07-442r0](#), and [07-465r0](#) respectively. No one provided comments.

Michael Banther made a motion for acceptance of the minutes as written. Halvard Eriksen seconded the motion. In the absence of objections and abstentions, the group approved motion unanimously.

6 Call for secretary [Suhler]

Paul Suhler noted that Michael Banther will stand down as secretary after the January, 2008 meeting. He asked if anyone wished to volunteer to fill this role. No one answered the call at this meeting.

7 Approval of ADT-2 and ADC-3 editor [Suhler]

Paul Suhler asked if anyone objected to the appointment of Paul Stone from Quantum as the editor for ADT-2 and ADC-3. Paul Suhler asked for a straw poll. He made a motion for approval of Paul Stone as the editor for ADT-2 and ADC-3. Kevin Butt seconded the motion. The group passed the straw poll unanimously: 9:0:0.

8 Review of action items:

07-059 Curtis Ballard will incorporate comments received per Old Business item 7.1 of [07-465r0](#) into [07-164r5](#) as revised. *Closed*, [07-164r6](#).

9 Old business:

9.1 **ADC-2 Working List for ISV feedback (SMC/SSC/ADC/SPC) ([05-315r3](#)) [Butt]**

At the author's request, the group deferred consideration of this proposal until the January, 2008 meeting.

9.2 **ADC-3: Automation control of encryption ([07-164r6](#)) [Ballard]**

Curtis Ballard noted that a lot of the changes in this revision now reference the companion SSC-3 proposal, 07-361r4.

Curtis Ballard proceeded to review the changes to the model clause and Rod Wideman's comments regarding the model clause. Curtis expects that the restructuring that Rod has requested will add at least one additional teleconference to the amount of work needed before moving the proposal for acceptance. Without the restructuring, Curtis expects to need one to three teleconferences before acceptance. With restructuring, he will need at least one more. After a brief break, the group agreed to leave the structure as it is.

Curtis Ballard walked the group through the changes in this revision, explaining his reasoning and any further changes that he intends to make. The group provided comments.

Curtis Ballard requested a straw poll. Should the ENCRYPTION CONTROL field to set the tape data encryption control to ADC exclusive be an encryption policy and move from the Configure Data Encryption Algorithm page to the Configure Encryption Policy page? The group voted 5:3:3.

Curtis Ballard intends to continue changing 'key exchange' to 'encryption parameters'. Some instances have already been changed, more remain.

Curtis Ballard will bring back a revision based on comments received.

9.3 ADT-2: SCSI Command IU to Initiator only port ([07-438r0](#)) [Entzel]

Paul Suhler reviewed the reason for this proposal with the group. The scenario under consideration is one where a DT device that supports bridging but has bridging disabled receives a command destined for the remote SMC device server.

Kevin Butt questioned the need for this change. Michael Banther asked the group to explore how other transport protocols handle this situation. Kevin replied that they either drop the IU silently or send a NAK.

The group discussed the trade-offs between dynamic port roles and static port roles with dynamic logical units.

Paul Suhler agreed to bring back a revision based on comments received.

9.4 ADI: Features for ADC-2 and ADT-2 ([06-060r6](#)) [Suhler]

At the author's request, the group deferred discussion of this item until the January, 2008 meeting.

9.5 ADI: Features for ADC-3 and ADT-3 ([06-425r7](#)) [Suhler]

At the author's request, the group deferred discussion of this item until the January, 2008 meeting.

10 New business:

10.1 ADT-2: ACK IU discrepancy (e-mail) [Allen]

Michael Banther displayed the e-mail from Jon Allen. Kevin Butt and Michael agreed that Jon's comments are correct and the Annex C wording needs to change to match the normative text. Paul Stone agreed to change Annex C as an editorial change.

10.2 ADT-2: ADT over Ethernet (ADToE) ([07-469r0](#)) [Suhler]

Paul Suhler introduced the proposal. It seeks to map ADT for transport by TCP/IP.

Kevin Butt stated that he doesn't want this proposal to go into ADT-2. He is not sure that six months is sufficient time to carefully consider a new transport.

Paul Suhler noted that Ralph Weber had suggested iADT or ADTnet as a better name than ADToE.

Michael Banther stated HP's support for this proposal in ADT-2. Paul Suhler briefly discussed the consequences of routing ADC traffic over any other transport protocol.

Kevin Butt, Michael Banther, and Paul Suhler discussed the scheduling consequences for bringing this proposal into ADT-2 or delaying it until ADT-3.

Paul Suhler requested a straw-poll for the level of approval for the incorporation of this proposal into ADT-2. The group voted 5:2:3.

Geoff Barton stated that he could see the benefit of incorporating it into ADT-2, but he also agreed with Kevin Butt's concerns about the level of effort involved. Geoff pointed out that incorporation into ADT-2 might delay bringing other ADT-2 features into use. Halvard Eriksen voiced similar concerns.

The group moved on to a discussion of whether ADT over TCP/IP will have to use IPv6 or can it stay with IPv4. Kevin Butt argued that some regulatory requirement for IPv6 is likely to occur.

In addition the group raised concerns about in-flight security on the transport protocol, authentication, etc.

Paul Suhler agreed to table further discussion until the January, 2008 meeting.

10.3 ADT-2: Signal Connection Changes ([07-483r0](#)) [Banther]

Michael Banther introduced the proposal. He explained the changes and the supporting information. Kevin Butt and Paul Suhler agreed that they want to discuss this proposal with EE's in their companies.

Michael Banther agreed to table further discussion until the January, 2008 meeting.

11 Next meeting requirements:

Subject to approval by the T10 Plenary, the group will hold a teleconference on 14 November 2007 beginning at 8:00 AM PST and concluding at 10:00 AM PST. HP shall host the teleconference.

Subject to approval by the T10 Plenary, the group will hold a teleconference on 28 November 2007 beginning at 8:00 AM PST and concluding at 10:00 AM PST. HP shall host the teleconference.

Subject to approval by the T10 Plenary, the group will hold a teleconference on 12 December 2007 beginning at 8:00 AM PST and concluding at 10:00 AM PST. IBM shall host the teleconference.

Subject to approval by the T10 Plenary, the group will hold a meeting on 14 January 2008 during T10 plenary week in Santa Ana, California beginning at 9:00 AM PST and concluding at 1:00 PM PST.

12 Review new action items:

07-060 Paul Suhler will revise [07-438r0](#) per Old Business item 9.3.

07-061 Paul Suhler will revise [07-469r0](#) per New Business item 10.2.

07-062 Curtis Ballard will revise [07-164r6](#) per Old Business item 9.2.

13 Adjournment:

Chris Williams made a motion for adjournment. Halvard Eriksen seconded the motion. The group passed the motion unanimously. Paul Suhler adjourned the group at 12:35 PM PST.