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Draft Minutes
Automation/Drive Interface (ADI) Working Group
Ad Hoc Teleconference
T10/07-517r0
14 November 2007
8:07 AM – 10:05 AM PST

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1   Introductions:

Paul Suhler called the meeting to order at 8:07 AM PST. He thanked Hewlett Packard for hosting the teleconference. Rod Wideman volunteered to act as secretary for this meeting.

2   Approval of the agenda:

Paul Suhler reviewed the agenda with the group. The only item for discussion is 07-164r7..

Kevin Butt made a motion for acceptance of the agenda as written. 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:

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          Name                       S         Organization
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Mr. Curtis Ballard                  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                      A  Quantum Corp.
Mr. Rod Wideman                     A  Quantum Corp.
Mr. Jon Allen                       V  Sun Microsystems
Mr. Halvard Eriksen                 AV Tandberg Storage
Mr. George Boasson                  AV Tandberg Storage

9 People Present

Status Key:  P    -  Principal
             A,A# -  Alternate
             AV   -  Advisory Member
             E    -  Emeritus
             L    -  Liaison
             V    -  Visitor
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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. He briefly discussed the anti-trust policies and directed interested individuals to the T10 web site.

5   Approval of previous meeting minutes:

Paul Suhler requested comments for the minutes of the 5 November 2007 meeting, 07-477r0. No one provided comments. Paul Suhler requested that anyone finding errors in the minutes send e-mail to Michael Banther and copy Paul.

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   Old business:

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

Jon stated that the resolution of his comments was satisfactory.

7.2   ADC-3: Automation control of encryption (07-164r7) [Ballard]

Curtis then took the group through changes to the latest revision of 07-164r7.

Kevin noted in 4.10.1 whether the lettered list needed to include at least some pages in addition to the protocol. Rod suggested changing the reference from SPC-4 to 6.3.2, since Curtis pointed out that 6.3.2 already has pages called out.

Kevin noted in 4.10.2.4 that Detecting should be Reporting, and requested an additional paragraph that says RMC device server looks at the list of algorithms supported in the physical device to determine what is reported (Curtis captured correct wording in markup). Paul Suhler questioned whether we were repeating something that is already stated in SSC-3; group reviewed and reached consensus.

Kevin requested a global search for "device server" and review for qualification (i.e., ADC, RMC).

Curtis then reviewed the command section. Kevin asked whether the log parameters should be moved to a separate numerical block for encryption. Rod expressed some reservations about isolating them. Consensus was to leave as is.

Curtis reviewed the change in wording for the EPP bit, in particular the I_T nexus wording.

Kevin questioned whether there was a hole regarding support for multiple initiators and ADC exclusive control. Decision was to leave as I_T nexus.

Rod asked if use of the ESR bit was limited to ADC exclusive control. Curtis reviewed the various policy control wordings, and noted that this was true, but was specified 'two layers deep'.

Curtis pointed out the control status log parameter length, and the amount of reserved space. Kevin expressed concern over guidance on coding for length. Discussion ensued on how we accommodate more headroom. No change was identified.

Curtis reviewed changes to the service request indicators field. We reviewed the combinations of parameters requests and key management errors. Curtis noted an error in restricting EPR to 1 and KME to 0 (corrected in the markup).

We continued reviewing and editing wording regarding the KME bit behavior.

We discussed the error handling scenario. The current model says that the drive loops until either it times out or the library indicates an error. Rod wanted a way for the drive to indicate KME (and sense data) independent of parameters request. Discussion ensued as to the behavior for various combinations of parameters request and KME indication.

We agreed that parameters request and KME can both be set. Curtis is inclined to remove requiring the drive to post KME when the parameters don't work, and leave the burden on the library. Curtis found that he had placed an update in r7 in the incorrect location, and will correct it.

8   New business:

8.1   ADC-3 revision 0:

Paul asked about producing ADC-3 revision 0 before including 07-164. Consensus was to wait for inclusion before producing a version of ADC-3.

9   Next meeting requirements:

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. Rod Wideman will be acting facilitator, in Paul Suhler's absence.

10 Review new action items:

07-063   Curtis Ballard to revise and post 07-164r7 as 07-164r8, goal being to be in advance of next conference call (11/28).

11 Adjournment:

Kevin Butt made a motion for adjournment. Rod Wideman seconded the motion. The group passed the motion unanimously. Paul Suhler adjourned the group at 10:05 AM PST.