Draft Minutes
Automation/Drive Interface (ADI) Working Group
Ad Hoc Teleconference
T10/04-347r0
21 October 2004
7:30 AM – 9:30 AM PDT

1. Introductions: Group

   Paul Suhler called the meeting to order at 7:35 AM PDT.  He thanked Certance for hosting the meeting.  A table of the attendees appears at the end of these minutes.

2. Approval of the agenda: Paul Suhler

   Paul Suhler discussed the order of the discussion items.  No one requested any changes.

   Michael Banther made a motion for acceptance of the modified agenda.  Susan Gray seconded the motion.  In the absence of objections or abstentions, the group passed the motion unanimously.

3. Comments on previous meeting minutes: Paul Suhler

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   |---|---|
   | 13 – 14 September 2004 meeting | 04-304r0 |
   | 7 October 2004 teleconference | 04-334r0 |
   | 14 October 2004 teleconference | 04-336r0 |
   | 18 October 2004 teleconference | 04-338r0 |

   Paul Suhler requested comments for the minutes of the 13 – 14 September 2004 meeting and the teleconferences of 7 October, 14 October, and 18 October 2004 – 04-304r0, 04-334r0, 04-336r0, and 04-338r0 respectively.  Michael Banther stated that he thought they were brilliant; a comment that Paul Entzel seconded.

4. Review of action items: Michael Banther

   a. Kevin Butt will investigate writing a proposal against ADT letter ballot 04-162r1, comment 27. *Carryover*

   b. Michael Banther will write a proposal to place all of the IU statements associated with entry into a state in the state description sub-clause and to remove such statements from the transition sub-clauses (remembering to rationalize incomplete statements).  This proposal will also change the description of each state machine to clearly indicate what state it is in upon activation.  He will produce this proposal for the September or November 2004 meeting. *Carryover*

   c. Kevin Butt will write a proposal against SPC-3 to add automation type MAM attributes (reference ADC letter ballot 04-197r1, comment IBM Roberts - 2). *Carryover*

   d. Kevin Butt will bring in a proposal to add a Test IU to ADT (reference ADT letter ballot 04-162r1, comment IBM 122). *Carryover*

  e. Paul Entzel will take the concepts from SAS regarding payload size-type consistency to address the missing size-type consistency text for the Encapsulated SCSI protocol (reference ADT letter ballot 04-162r1, comment IBM 124).  *Closed*, 04-348r0.

  f. Matthew Bondurant will bring in a proposal for a Reset link service IU which causes a warm boot.  *Carryover*

  g. Michael Banther will investigate the need for ADT letter ballot comment HPQ 101. *Carryover*

5. Discussion items:

  a. ADT X_ORIGIN and EXCHANGE ID fields in Initiate Recovery ACK/NAK IU's [Banther].

  As everyone had read the description of the problem in Michael Banther's e-mail, the group got down to a detailed debate quickly.

  Paul Suhler asked what problem arises if a receiver doesn't ignore the X_ORIGIN and EXCHANGE ID fields in an Initiate Recovery ACK/NAK IU.  Matthew Bondurant pointed out that no need exists to check these fields in regular ACK and NAK IU's or Initiate Recovery ACK and NAK IU's.  The group discussed this point for some while and eventually came to a consensus that Matt was right.

  Matthew Bondurant proposed adding to 6.5.3.1 Acknowledgement information units introduction, the text, "In an acknowledgement IU, the X_ORIGIN and EXCHANGE ID fields are undefined and shall be ignored."

  Matthew Bondurant moved the proposal described above.  Michael Banther seconded the motion.  In the absence of objections or abstentions, the group passed the motion unanimously.

  b. Add more error handling to ADT encapsulated SCSI protocol (04-348r0) [Entzel].

  Paul Entzel introduced the proposal.  He stated that he used the SAS standard as the source for much of the text.  Paul contrasted the approach he used, spreading the text throughout the draft standard to match the existing structure, to the SAS approach which pulled all of the text into a single location.

  Paul Entzel asked how many had read the proposal given how recently it appeared in the T10 document archive.  When several members stated that they had not yet read the proposal, Paul requested that the group defer consideration of this proposal until the next teleconference or meeting.

  c. ADT Letter Ballot comment resolution (04-162r1) [Entzel].

  Paul Entzel led the group through resolution of ADT letter ballot comments.  By the conclusion of this discussion, the group had considered every letter ballot comment submitted against ADT.  Approximately 30 comments, out of 694 total comments, remained unresolved awaiting proposals or the presence of missing members.

6. Unscheduled business:

 No one raised unscheduled business.

7. Next meeting requirements:        Paul Suhler

   The group will hold a teleconference on Thursday, 28 October 2004, conditional on the attendance of ADIC or IBM.  This teleconference will begin at 7:30 AM and concluding at 9:30 AM PDT.  Certance will host the teleconference.

   The group will hold a meeting 8 November 2004 during T10 plenary week in Austin, Texas beginning at 9:00 AM and concluding at 7:00 PM.

8. Review new action items:        Michael Banther

   No new action items were assigned.

9. Adjournment:        Group

   Michael Banther made a motion for adjournment.   Matthew Bondurant seconded the motion.  The group passed the motion unanimously.  Paul Suhler adjourned the group at 9:03 AM PDT.

Attendees:

| Name | Organization | E-mail |
|---|---|---|
| Paul Suhler | Certance | paul dot a dot suhler at certance dot com |
| Michael Banther | HP | michael dot banther dot at hp dot com |
| Paul Entzel | Quantum | paul dot entzel at quantum dot com |
| Matthew Bondurant | Quantum | matthew dot bondurant at quantum dot com |
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