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Draft Minutes
Automation/Drive Interface (ADI) Working Group
Ad Hoc Teleconference
T10/03-327r0
22 September 2003
8:00 AM – 10:00 AM PDT

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Conference Call Information:
    Hosted by: IBM
    Toll Free: (888) 206-4960
    International: (719) 457-3545
    Pass code: 168674

1. Introductions: Group

    Paul Suhler called the meeting to order at 8:06 AM PDT. He thanked IBM for hosting the meeting. A table of the attendees appears at the end of these minutes.

2. Approval of the agenda: 03-328r0   Paul Suhler

    Paul Suhler discussed the order of the discussion items. Paul asked if there were changes to the agenda. Susan Gray raised her second e-mail, dated 16 September 2003 as an additional discussion item. We agreed to group both of her e-mails into discussion item (a).

    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. Approval of previous meeting minutes: Paul Suhler

    8-9 September 2003 meeting   03-295r0

    Paul Suhler requested comments for the minutes of the 8-9 September 2003 meeting, 03-295r0. No one provided comments.

4. Review of action items: Paul Suhler

    a. Paul Entzel will write an appendix to ADT to describe an example login. *Carryover*

    b. Paul Entzel will revise 03-286r1 per discussion item (a) of 03-295r0. *Closed*

    c. Paul Entzel will incorporate 03-286r1 as revised into ADT. *Closed*

    d. Paul Entzel will propose definitions for the four additional transport protocol services documented in discussion item (a) of 03-295r0. This proposal will include a new table for sub-clause 8.2 showing the relation of the new transport protocol services to the SCSI client-server model. It will also include a model describing the use and purpose of the new services. *Closed*

    e. Paul Entzel will incorporate the proposal documented in discussion item (b) into ADT of 03-295r0. *Closed*

    f. Paul Entzel will incorporate the proposal documented in discussion item (c) into ADT of 03-295r0. *Closed*

    g. Paul Entzel will incorporate the proposal documented in discussion item (d) into ADT of 03-295r0. *Closed*

    h. Paul Suhler will write a proposal to add the Pending Recovery port state. *Carryover*

    i. Paul Suhler will add the time-of-day and volume identifier features to 03-133 ADT-2 features. *Closed*

    j. Rod Wideman will provide updated figures 2 and 3 from ADC for ADT. *Closed*

    k. Paul Suhler will provide a proposal to positively acknowledge and discard a Transfer Ready IU received under a variety of conditions: before sending a SCSI Response IU when the target has no more data to send, after sending the SCSI Response IU but before receiving the subsequent acknowledgement, and after both sending the SCSI Response IU and receiving the subsequent acknowledgement. *Carryover*

    l. Michael Banther will provide a proposal to define when exchanges open and when they close. *Carryover*

    m. Susan Gray will provide state diagrams for the Port states (4.3) and the Link Negotiation states (4.4) as a proposal. *Carryover*

5. Discussion items:

    a. Port Logout sends automation to P5 state   Email 12&16 Sep Susan Gray

        Susan Gray walked us through the problem with sub-clause 6.5.5 and the P5 state definition in sub-clause 4.3.

        Michael Banther proposed that we change the phrase 'P5: Logged-out state' in the next to the last sentence of sub-clause of 6.5.5 to 'P0: Initial state'.

        Michael Banther made a motion to incorporate the proposal described above into ADT. Paul Suhler seconded the motion. In the absence of objections or abstentions, the group passed the motion unanimously.

        Susan Gray described the problem in 4.7.1.3. The link level can detect but not recover from 'unsupported Protocol and Frame Type values' and 'Frames with protocol other than link service when logged out'. The group agreed that a change is needed and that a written proposal should be submitted. Susan Gray agreed to bring in a proposal.

        Susan Gray described her concerns with item (c) in sub-clause 4.7.2.3.

        Susan Gray proposed changing the last sentence of item (c) of sub-clause 4.7.2.3 from 'matches the frame number indicated by the Initiate Recovery IU' to 'matches the Expected Frame Number counter'.

        Paul Entzel made a motion to incorporate the proposal described above into ADT. Susan Gray seconded the motion. In the absence of objections or abstentions, the group passed the motion unanimously.

    b. Transport protocol service extensions for ADT   03-322r0   Paul Entzel

        The group took some time to read through Paul's proposal. We discussed the location that it will occupy in the draft standards.

Paul Suhler pointed out an editorial change in the model section of the proposal. Michael Banther discussed some editorial and technical changes that he would like to see. Kevin Butt pointed out an editorial change in sub-clause 8.2.9. Paul Entzel agreed to make changes as requested.

Paul Suhler asked if we need to specify counterpart indications in the target. Paul Entzel replied that the target indications are specified by SAM and included already.

Paul Entzel agreed to revise the proposal and bring it back to the group.

6. Unscheduled business:

   a. Figure 3 in ADT   Paul Entzel

Paul Entzel, Paul Suhler, and Susan Gray discussed the background that resulted in the action item to provide Figure 3 from ADC for inclusion into ADT. Michael Banther stated that figure 3 from ADC doesn't apply to ADT. Paul Suhler asked if we need to change the ADT text to cover the implications of including a Bridging Manager. Kevin Butt pointed out that ADT mentions the Bridging Manager and Paul Entzel agreed that it doesn't define it. Paul Entzel will add a definition.

Paul Entzel and Paul Suhler discussed using text to describe the differences in port usage that inclusion of the Bridging Manager brings with it. By using text only, we could remove ADT's figure 3 altogether. Kevin Butt agreed to bring in a proposal to remove ADT figure 3 and replace the necessary part, i.e., port roles, by text.

   b. Closing of ADC letter ballot   Group

We discussed the process of how letter ballot comments reach the editor. We agreed that we should forward our comments in Excel format to Rod Wideman for collation.

7. Next meeting requirements: Paul Suhler

The group will hold teleconferences on 6 October 2003, and 20 October 2003. These teleconferences will begin at 8:00 AM PDT and conclude at 10:00 AM PDT. ADIC will host the 6 October 2003 teleconference. Certance will host the 20 October 2003 teleconference.

The group will hold a meeting 3-4 November 2003 during T10 plenary week in Austin, TX. The meeting will begin on the 3rd at 9:00 AM CST and conclude at 7:00 PM CST. The meeting time on the 4th will occupy the morning, starting at 9:00 AM CST and concluding at 11:00 AM CST.

8. Review new action items: Paul Suhler

   a. Paul Entzel will incorporate the proposals documented in discussion item (a) into ADT.

   b. Susan Gray will write a proposal to correct that existing problem with errors that the link level can detect but not correct (see discussion item [a]).

   c. Paul Entzel will revise 03-322 based on discussion item (b).

   d. Paul Entzel will add a definition for the Bridging Manager in ADT.

   e. Kevin Butt will bring in a proposal to write the example containing figure 3 in ADT without the figure.

9. Adjournment: Group

Michael Banther made a motion for adjournment.   Paul Suhler seconded the motion. The group passed the motion unanimously. Paul Suhler adjourned the group at 9:25 AM PDT.

Attendees:

Name	Organization	E-mail
Paul Suhler	Certance	paul.a.suhler@certance.com
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