

Draft Minutes
Automation/Drive Interface (ADI) Working Group
Ad Hoc Teleconference
T10/04-017r0
15 December 2003
8:00 AM – 10:00 AM PDT

Conference Call Information:

Hosted by: ADIC
Toll Free: 877-988-2405
International: 203-607-3436
Pass code: 108356

1. Introductions: Group

Paul Suhler called the meeting to order at 8:04 AM PDT. He thanked ADIC for hosting the meeting. A table of the attendees appears at the end of these minutes.

2. Approval of the agenda: 04-018r0 Paul Suhler

Paul Suhler discussed the order of the discussion items. Paul Suhler suggested adding 04-009r0 and Kevin Butt's ADT/ADC e-mail comments as unscheduled discussion items.

Rod Wideman made a motion for acceptance of the modified agenda. Paul Entzel seconded the motion. In the absence of objections or abstentions, the group passed the motion unanimously.

3. Approval of previous meeting minutes: Paul Suhler

3-4 November 2003 meeting 03-378r0

17 November 2003 conference call 04-002r0

Paul Suhler requested comments for the minutes of the 3-4 November 2003 meeting and the 17 November conference call, 03-378r0 and 04-002r0 respectively. No one provided comments.

4. Review of action items: Michael Banther

- a. Paul Entzel will write an appendix to ADT to describe an example login. *Carryover*
- b. Kevin Butt will bring in a proposal to write the example containing figure 3 in ADT without the figure. *Closed*
- c. Susan Gray will propose diagrams showing specific instances of the new transport protocol service requests in the form of SAM3r09 figures 26, 28, and 30. *Closed*
- d. Kevin Butt will propose a definition of I_T Nexus Loss and the effects of an I_T Nexus Loss to ADT. *Closed*
- e. Paul Entzel will incorporate 03-380r1 into ADT. *Closed*
- f. Susan Gray will revise 03-369r1 per discussion item (d) of 03-378r0. *Carryover*

- g. Paul Suhler will revise 03-367r3 per discussion item (c) of 03-378r0 and provide it to Paul Entzel. *Closed*
- h. Paul Entzel will incorporate 03-367r4 into ADT. *Closed*
- i. Paul Suhler will revise 03-319r2 per discussion item (e) and provide it to Paul Entzel. *Closed*
- j. Paul Entzel will incorporate 03-319r3 into ADT. *Closed*
- k. Michael Banther will revise 03-382r0 per discussion item (f) in 03-378r0. *Closed*
- l. Susan Gray will revise 03-355r3 per discussion item (d). *Closed*

5. Discussion items:

- a. ADT Fast Access Errors 03-382r1 Michael Banther

Michael Banther described the status of this proposal. Kevin Butt pointed out that typically reserved bits are treated as ignored. Michael replied that treating the bit as equal to zero states that the receiver shall treat the bit as though the sender had set it per the standard.

Rod Wideman made a motion to incorporate 03-382r1 into ADT. Susan Gray seconded the motion. In the absence of objections or abstentions, the group passed the motion unanimously.

- b. ADT Section 4.7.1.3 03-355r4 Susan Gray

Susan Gray walked the group through the changes since r3.

We debated the use of the phrase ‘unexpected frame error’ and agreed to better language. We also debated changing ‘non-retryable’ and agreed on ‘non-pending recovery errors.’ This decision led to changing ‘unexpected frame error’ to ‘pending recovery error’. And this decision led to much debate about the text defining these labels. Paul Entzel suggested breaking non-pending recovery errors into two groups: resource limitation errors and protocol errors. We went around the loop again on the names and came to a tentative agreement on calling the names of errors: corrupted, recoverable, resource limitation, and protocol for receivers and retryable for senders.

Kevin Butt noted that ‘4.7.2.4.2 Sender’ and ‘4.7.2.4.2 Receiver’ have the wrong subclause numbers. They should be ‘4.7.2.3.1 Sender’ and ‘4.7.2.3.2 Receiver’.

Susan Gray will revise the proposal based on comments received.

- c. Frame Number Restrictions for Frames in ADT 04-003r0 Paul Entzel

Paul Entzel reviewed the purpose of the proposal: to use frame number zero for some Link Service IU’s and not use zero for all other IU’s.

Susan Gray pointed out that in 3.1 item a) the Next Frame To Send counter shall be set to one.

Paul Entzel agreed that a paragraph is missing. He will add a paragraph to state that the Frame Number field of every Port Login IU, Port Logout IU, Pause IU, and NOP IU shall equal zero.

We debated whether the receiver of a Port Login IU, Port Logout IU, Pause IU, or NOP IU shall validate that the frame number equals zero. After some debate, we agreed that

the receiver shall validate it and shall return a NAK IU with code equal to 83h if it finds a non-zero frame number.

Kevin Butt and Susan Gray pointed out some editorial problems.

Paul Entzel will revise the proposal based on comments received.

- d. ADT: I_T Nexus Loss Definition 04-008r0 Kevin Butt

Kevin Butt described the proposed new text. His proposal includes exactly one situation that qualifies as an I_T nexus loss, namely a Port Login with AOE equal to one.

Paul Entzel pointed out two other possibilities: removal of the voltages on either of the sense lines and receipt of a signal by the DTD on the reset line.

Paul Entzel also suggested adding a reference to SAM-3 in the second sentence.

Susan Gray asked about the location of the proposed text. Paul Entzel and Kevin Butt replied that the ordering is editorial.

Michael Banther moved for inclusion as revised into ADT. Kevin Butt seconded. In the absence of objections or abstentions, the group passed the motion unanimously.

After passage, Susan Gray asked if a Nexus Loss indication needs to go into our SCSI Application section. The consensus was it did not.

- e. ADT SCSI Application Diagrams 04-014r0 Susan Gray

The group did not discuss this item due to a lack of time.

6. Unscheduled business:

- a. ADT: Example Containing Figure 3 in ADT w/o the Figure

04-009r0 Kevin Butt

The group did not discuss this item due to a lack of time.

- b. ADT/ADC e-mail comments

Kevin Butt

The group did not discuss this item due to a lack of time.

7. Next meeting requirements:

Paul Suhler

The group will hold a teleconference on 5 January 2004. Certance will host this teleconference beginning at 8:00 AM PST and concluding at 10:00 AM PST.

The group will hold a meeting 12-13 January 2004 during T10 plenary week in Chandler, AZ. Subject to approval by T10, the meeting will begin on the 12th at 9:00 AM and conclude at 7:00 PM MST. The meeting will reconvene on the 13th at 9:00 AM and adjourn at 11:00 AM MST.

8. Review new action items:

Michael Banther

- a. Paul Entzel will incorporate 03-382r1 into ADT.

- b. Susan Gray will revise 03-355r4 per discussion item (b).

- c. Paul Entzel will revise 04-003r0 per discussion item (c).
- d. Kevin Butt will revise 04-008r0 per discussion item (d).
- e. Paul Entzel will incorporate 04-008r0 as revised into ADT.

9. Adjournment:

Group

Kevin Butt made a motion for adjournment. Rod Wideman seconded the motion. The group passed the motion unanimously. Paul Suhler adjourned the group at 10:59 AM PDT.

Attendees:

Name	Organization	E-mail
Rod Wideman	ADIC	rod.wideman@adic.com
Paul Suhler	Certance	paul.a.suhler@certance.com
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