Draft Minutes
Automation/Drive Interface (ADI) Working Group
Ad Hoc Conference Call
T10/03-016r0
Tuesday, December 3, 2002
8:35 – 10:15 PST

1. This conference call was hosted by ADIC.

2. Introductions: Group
   The call was convened at 8:35.
   Participants are listed at the end of these minutes.

3. Call for secretary: Paul Suhler
   a. No one volunteered to be permanent secretary.
   b. Susan Gray volunteered to be acting secretary for this call.

4. Approval of this agenda: 03-015r0 Paul Suhler

5. Approval of previous meeting minutes: Paul Suhler
   a. 11/20/2002 phone conference minutes 02-494r0
      No errors were noted; final approval will take place at next ad hoc meeting.

6. Review of action items: secretary
   a. Find a permanent secretary for this committee. Carryover.
   b. Michael Banther to produce a proposal for device server interaction section in ADC document. Carryover.
   c. Each of us to investigate possibility of participation in joint development of an emulation/test tool. Closed in favor of item f.
   d. Rod Wideman to create proposal to include sequence diagram in ADC for state transition table, verify adequate definition of terms. Carryover.
   e. Rod Wideman to create possible VPD page that describes supported states and transitions. Carryover.
   g. Lee Jesionowski to create a proposal for method to convey Interface Status changed. Carryover.
   h. Bob Griswold to send Rod Wideman ADC source, send Paul Entzel ADP and ADT source. Closed.
   i. Paul Suhler to write text for ADC to explain what happens when a port is disabled that was previously enabled. Closed.
j. Lee Jesionowski to work within IBM to find possible resolution for signal conflict on connector regarding wrap plug. *Carryover.*

k. Rod Wideman to incorporate 02-315r1 into ADC. *Closed.*

l. Paul Entzel to write up a proposal for the ADC model of TapeAlert. *Carryover.*

m. Michael Banther to e-mail comments on 02-489r0 for online discussion. *Carryover.*

n. Paul Entzel to decide on format for ADT and recommend course of action for 02-358r2. *Closed.*

o. All to review 02-329r2 and send comments. *Closed.*


7. Discussion items:

a. ADC Status

Rod reported that he is now generally familiar with FrameMaker and the format of the ADC document and has incorporated the first proposal into the ADC draft.

b. ADT status

Paul reported that he now has FrameMaker 6 installed. He reviewed the SAS document structure and thought that the subclause layering that they used would be a good starting point for the ADT draft. He received the ADT and ADP source documents from Bob Griswold.

c. ADT Frame Format 02-329r2

Paul Suhler moved acceptance of 02-329r2. Rod Wideman seconded and the motion passed by acclamation.

The 02-329r2 proposal was based on information from previous proposals. Specifically the high level frame format defined in 02-274r0 and therefore parts of that proposal need to be included in ADT as well.

Paul Suhler moved acceptance of section “ADI/ADC Frame Format” from 02-274r0 into ADT. Rod seconded and the motion passed by acclamation.

Also noted was an editorial error in Table 5 in 02-329r2. The “Maximum ACK offset” can have a maximum value of 7 and therefore should only be 3 bits (0-2) and bits 3-7 should be reserved. This can be changed as it is incorporated into ADT.

d. ADP Signal Descriptions 02-358r2

There was discussion on how to incorporate wrap functionality required by IBM. Lee to investigate possibility of using Sense and Attention signals to detect wrap functionality, or other existing signals, so that a 10th pin would not be needed. This is a carry-over of action item J.
There was discussion about referring to the RS422 specification instead of including much of the same information in ADT directly. No one currently has the specification, though Michael is working on getting a copy.

Section 6 except 6.7 would be appropriate to put into ADT draft. In section 6.2 it makes sense to remove the type column and Cr and Ct compliance points. Decided to suspend further discussion until the group gets a copy of the RS422 specification.

Reword 6.4.3 so that the device does not actively drive the signal to false and remove the note. This section needs a table to define voltage levels.

Parts of 6.7 (bit error rate) can probably be removed once RS422 spec is referred to instead.

There was discussion on whether Attention and Reset signals are there due to legacy reasons or to standardize them. If it is to standardize them, then there needs to be more detail. The standardization of the Attention signal is still undecided, however, everyone agrees that the Reset signal should be standardized. More detail of what happens when a reset occurs is needed. Is it a power on reset or just a reset of the interface? If the Attention signal is an alternative way to send AER frames it should be configurable much the same as the AER frames.

There was much discussion about the vendor unique use of the signals. It was decided that the ADT specification only applies when both Sensei and Sensei are asserted. Otherwise, the use of the signals is outside the scope of this specification. Therefore these two sense lines should be mandatory.

*Ran out of time for remaining discussion items. They will be continued to next conference call.*

8. Unscheduled business:
   a. Date of next phone conference
      Currently it is scheduled for Wed., Dec 18th, but may be rescheduled to the 19th.

9. Review new action items:
   a. Paul Entzel to create the ADT draft template modeled after the SAS document.
   b. Paul Entzel to incorporate 02-329r2 into ADT.
   c. Paul Entzel will report the results of online query of what characters should and should not
      be used for start of frame and end of frame characters in the ADT frame format.
   d. Paul Entzel to incorporate the section titled “ADI/ADC Frame Format” from 02-274r0 into
      ADT.
   e. All to decide what type of reset the drive should perform when the Reset line is asserted.
   f. Susan Gray will investigate whether we have a preference to an Attention signal or AER
      frame for asynchronous event reporting.
   g. Michael Banther to create revision 3 of 02-358 based on discussion during meeting.
   h. Paul Suhler to announce date, time and agenda for next call.

10. Adjournment:
    The meeting was adjourned at 10:15.
Participations:

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<tr>
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