Draft Minutes  
Automation/Drive Interface (ADI) Working Group  
Ad Hoc Conference Call  
T10/03-026r0  
December 19, 2002  
8:30 AM – 10:00 AM PST

1. Introductions:  
The call was hosted by Seagate. Paul Suhler called the meeting to order at 8:35am. The attendees are listed at the end of these minutes.

2. Call for secretary:  
No one volunteered to be permanent secretary. Rod Wideman volunteered to be secretary for this meeting only.

3. Approval of this agenda:  
The agenda was approved as is.

4. Approval of previous meeting minutes:  
a. 12/03/2002 conference call minutes 03-016r0  
   No changes were noted. Final approval will be at the January 2003 meeting.

5. Review of action items:  
   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. Rod Wideman to create proposal to include sequence diagram in ADC for state transition table, verify adequate definition of terms. Carryover.
   d. Rod Wideman to create possible VPD page that describes supported states and transitions. Carryover.
   e. Bob Griswold to talk with SNIA Backup Working Group regarding process of developing an open test/emulation tool for ADI use. Redirected to Storage Media Library (SML) working group. Closed.
   f. Lee Jesionowski to create a proposal for method to convey Interface Status changed. Carryover.
   g. Lee Jesionowski to work within IBM to find possible resolution for signal conflict on connector regarding wrap plug. Carryover.
   h. Paul Entzel to write up a proposal for the ADC model of TapeAlert. Carryover.
   i. Michael Banther to e-mail comments on 02-489r0 for online discussion. Closed.
   j. Paul Entzel to create the ADT draft template modeled after the SAS document. Closed.
   k. Paul Entzel to incorporate 02-329r2 into ADT. Closed.
   l. 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. Carryover.
m. Paul Entzel to incorporate the section titled "ADI/ADC Frame Format" from 02-274r0 into ADT. Closed.

n. All to decide what type of reset the drive should perform when the Reset line is asserted. Closed.

o. Susan Gray will investigate whether we have a preference to an Attention signal or AER frame for asynchronous event reporting. Carryover.

p. Michael Banther to create revision 3 of 02-358 based on discussion during meeting. Closed.

q. Paul Suhler to announce date, time and agenda for next call. Closed.

6. Discussion items:
   a. ADC status  Rod Wideman
      No new changes to report on. Primarily waiting on approved new input.

   b. ADT status  Paul Entzel
      Paul reported that a new draft of ADT has been distributed, with the primary goal of reviewing the overall document outline, and not so much the specific content at this point. The draft does include all currently approved draft proposals for ADT.

   c. ADP Signal Descriptions Proposal 02-358r3 Michael Banther
      Michael walked us through the latest revision of the document, highlighting the changes.

      Question was raised as to whether for Sense signals should be current generators rather than voltage generator, since in effect would be zero volts relative to ground, causing current to flow. Can avoid specifying voltage levels if described as current. Will search other standards for example reference approach.

      For Signal connections, discussion on how to and need for specifying voltages, current, termination resistor levels, impedance, inductance, rise and fall times. For rise and fall (with resistor level, impedance, etc), suggest specifying minimums. Investigation will continue.

      For Tx-Rx connections, discussion as to whether the RS-422 spec gives rise and fall times. Further analysis located it in the spec.

      For the Modulation rates, debate over what rates should be supported, and the implications thereof. Wording to be changed to indicate shall for 9600, may for all others. Consider statement to indicate no other rates are allowed than those listed. Drop 2400 and 4800; 9600 will go into normative text.

      Discussion on stop bits, and whether we were to allow one or two stop bits. Action item given.

      Discussion as to what Reset behavior should be. General consensus is to have behavior be equivalent to Port Logout (port reset).
d. ADI VHF Log Page Proposal 02-489r0 Rod Wideman
   Paul Suhler moved for 02-489r0 as modified per comments submitted to T10 reflector into ADC,
   Michael Banther seconded, passed by acclamation. Changes to include removal of Firmware
   Update tape motion status.

e. ADT Connector Status 03-020r0 Paul Suhler
   Paul Suhler gave us an update on the connector research. JST and Molex versions of the
   connector used by HP's ACI will intermate and are available in ten-pin versions. The next step is
   probably to start standardization by SFF Committee. Paul will continue investigation.

f. ADC Clause 4.2.1 rewrite 02-392r0 Paul Suhler
   Time ran out before discussing this.

g. ADC: Disabling a Port 03-008r1 Paul Suhler
   Time ran out before discussing this.

7. Unscheduled business:
   There was no unscheduled business.

8. Next meeting requirements: Paul Suhler
   The next meeting will be during the normal plenary week meeting on January 14, 2003.

9. Review new action items:
   secretary
   a. Paul Suhler to follow up with SNIA Interoperability Conformance Test Program (ICTP)
      Subcommittee regarding test/emulation tool.
   b. Rod Wideman and Paul Entzel to present comprehensive list as to what needs to be added to
      standards docs at the next plenary week meeting.
   c. Paul Suhler to investigate usage/need of two stop bits in ADT.
   d. Paul Suhler to investigate length of process involved for getting connector made standard by SFF
      Committee. Question is to how it might line up with timeline for ADT.
   e. Michael Banther to create 02-358r4 to incorporate comments from meeting.
   f. Rod Wideman to incorporate 02-489r0 as modified per comments into ADC.

10. Adjournment: Group
    The meeting was adjourned at 10:00am PST.

Attendees:

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<tr>
<th>Name</th>
<th>Organization</th>
<th>email</th>
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<tbody>
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