

Draft Minutes
Automation/Drive Interface (ADI) Working Group
Ad Hoc Conference Call
October 3, 2002
8:37am - 10:00am PDT

Call to Order:

The meeting was called to order at 8:37 AM PDT by Paul Suhler. Attendees are listed at the end of these minutes.

Rod Wideman volunteered to be acting secretary for this meeting.

Approval of Agenda:

The agenda was modified to adjust to those in attendance as follows:

a. ADI Polling Frame State Tables	02-257r1	Rod Wideman
b. ADP Status	02-358r1	Michael Banther
c. ADT Proposal	02-351r1	Michael Banther
d. Proposed frame format for ADT	02-329r1	Paul Entzel

Action Item Review:

1. Find a permanent secretary for this committee. *Still no volunteer for permanent secretary.*
2. Paul Entzel will post a message to the reflector to request start of frame characters. *Carryover.*
3. Rod Wideman to send 02-180r0 to Bob Griswold for inclusion in the ADC document. *Complete.*
4. Bob Griswold to include existing proposals and updates noted in these minutes in ADC document by one week before next meeting. *Carryover.*
5. Michael Banther to produce a proposal for device server interaction section in ADC document. *Carryover.*
6. Paul Suhler to update section 4.2.1 of the ADC document. *Carryover.*
7. Each of us to investigate possibility of participation in joint development of an emulation/test tool. *Carryover.*
8. Rod Wideman will generate new state transition table without motion status and without "MAM accessible" and resolve Access Allowed, Unload Complete and Eject Complete. *Closed (agenda item).*
9. Michael Banther to create 02-351r1 and provide it to Bob Griswold to incorporate it into ADC. *Closed (agenda item).*
10. Paul Entzel will create 02-329r1 based on notes from meeting. *Closed (agenda item).*
11. Paul Suhler to propose a date for a phone conference in October. *Closed.*

Agenda Items:

1. ADI Polling Frame State Tables 02-257r1 Rod Wideman
 - No particular issues with new table, but will create one that only shows stable states, leave out transitions.
 - Discussion of need to report state transition via a bit. Conclusion was to add one more bit-field that indicates “attempting to leave current state” reflected by the other six fields.
 - Discussion of method to report what a drive supports for states, transitions. Conclusion was to attempt to generate Vital Product Data page (Inquiry) that could show this.
 - Discussion of standard recommended recovery procedures, and whether there was any way to enumerate common procedures that a drive could request or indicate for a given state.

2. ADP Status 02-358r1 Michael Banther
 - Paul Suhler discussed use of HP’s connector, and indicated preference for it. Question as to how to specify it in a standard.
 - Question was raised as to how to generate eye mask for differential device, e.g., is each signal measured individually? Deferred for further consultation with electrical engineers.
 - Question was raised as to whether this connector supported all the desired signals. Does not support superset, but can be configured to conform to subset selection.
 - Discussion of which signals should be auxiliary, which standard. Concern over loss of ability to include all possible signals in desired connectors. Debate as to whether to include Sense(t), value compared to Reset, allowance for Wrap signal. Conclusion was that we need to re-examine list of desired signals and determine which are truly desired, whether there’s any option of multi-use for single signal to save on connector pins.
 - Proposal to use brand new connector that no one supports, or collection of connectors, or superset connector.

3. ADT Proposal 02-351r1 Michael Banther
 - Consensus was to proceed with proposal per discussions via e-mail and inclusion of Paul Suhler’s comments.

4. Proposed frame format for ADT 02-329r1 Paul Entzel
 - Item deferred.

Carryover Action Items:

1. Find a permanent secretary for this committee.

2. Paul Entzel will post a message to the reflector to request start of frame characters.
3. Bob Griswold to include existing proposals and updates noted in these minutes in ADC document by one week before next meeting
4. Michael Banther to produce a proposal for device server interaction section in ADC document.
5. Paul Suhler to update section 4.2.1 of the ADC document.
6. Each of us to investigate possibility of participation in joint development of an emulation/test tool.

New Action Items:

7. Rod Wideman to create proposal to update ADC VHF log page, clean up Status Valid meaning, add "leaving state" bit per discussion of 02-257r1.
8. Rod Wideman to create proposal to include sequence diagram in ADC for state transition table, verify adequate definition of terms.
9. Lee Jesionowski to explore standardization of recommended recovery procedures (load/unload), possibly associate with state transitions.
10. Rod Wideman to create possible VPD page that describes supported states and transitions.
11. Everyone to consider providing integration or recovery guides for their drive to Lee Jesionowski to facilitate identifying standard recovery procedures.
12. Paul Suhler to report on how to specify an existing vendor's connector in a standard.
13. Everyone think about connector selection issue (single connector, multiple connectors, "superset" connector) and derive position statement.
14. Michael Banther to add Sense(target) back to table in 02-358r1.
15. Paul Entzel to incorporate suggested changes by Michael Banther (T10/02-351r1) and Paul Suhler (9/30/2002 e-mail) into a new revision of 02-253 and submit to Bob Griswold for inclusion to ADC.

Adjournment:

The meeting was adjourned at 10:00am PDT

Attendees:

Name	Organization	email
Rod Wideman	ADIC	rod.wideman@adic.com
Michael Banther	Hewlett Packard	Michael_banther@hp.com
Lee Jesionowski	IBM	ljesion@us.ibm.com
Paul Suhler	Seagate Technology	paul.a.suhler@seagate.com
Tuong Vu	Sony	tuong.vu@am.sony.com
Susan Gray	Quantum	susan.gray@quantum.com