Draft Minutes
Automation/Drive Interface (ADI) Working Group
Ad Hoc Teleconference
T10/07-187r0
18 April 2007
8:00 AM – 10:00 AM PDT

## 1   Introductions:

Paul Suhler called the teleconference to order at 8:05 AM PDT.  He thanked HP for hosting the meeting.  A table of the attendees appears at the end of these minutes.

## 2   Approval of the agenda:

Paul Suhler reviewed the order of the discussion items.  He decided to add 07-190r0 and 07-191r0 as new business items 6.2 and 6.3.

Rod Wideman made a motion for acceptance of the agenda as modified.  Michael Banther seconded the motion.  In the absence of objections or abstentions, the group approved the modified agenda unanimously.

## 3   Comments on previous meeting minutes:

| | |
|---|---|
| 12 March 2007 meeting | 07-107r0 |
| 4 April 2007 teleconference | 07-171r0 |

Paul Suhler requested corrections for the minutes of the 12 March 2007 meeting and the 4 April 2007 teleconference, 07-107r0 and 07-171r0 respectively.  No one provided comments.

## 4   Review of action items:

06-001   Michael Banther will write a proposal to place all of the IU statements associated with entry into a state in the state description sub-clause and to remove such statements from the transition sub-clauses (remembering to rationalize incomplete statements). This proposal will also change the description of each state machine to clearly indicate what state it is in upon activation.  He will produce this proposal for the September or November 2004 meeting, *Carryover*.

07-011   Rod Wideman will bring in a proposal to resolve ADC-2 letter ballot comment QTM-157, *Closed*, 07-190r0.

07-012   Rod Wideman will bring in a proposal to resolve ADC-2 letter ballot comment QTM-159, *Closed*, 07-191r0.

07-013   Rod Wideman will bring in a proposal to resolve ADC-2 letter ballot comment QTM-183, *Carryover*.

07-014   Michael Banther will bring in a proposal to resolve ADC-2 letter ballot comment HPQ-269, *Carryover*.

07-016    Michael Banther will bring in a proposal to resolve the portion of ADC-2 letter ballot comment HPQ-244 that refers to multi-ported devices that need to have separate device names per transport protocol, *Carryover*.

07-017    Kevin Butt will bring in a proposal to resolve ADC-2 letter ballot comment IBM-52, *Carryover*.

07-018    Kevin Marks will bring in a proposal to resolve ADC-2 letter ballot comments HPQ-215 and QTM-92, *Carryover*.

07-020    Curtis Ballard or Michael Banther will investigate bringing in a proposal to resolve ADC-2 letter ballot comment IBM-49 by the May, 2007 ADI-2 meeting, *Carryover*.

07-023    Michael Banther will revise 07-125r0 per new business item 6.2 of 07-171r0, *Closed*, 07-125r1.

07-024    Paul Entzel will incorporate 07-125r0 as revised into ADC-2, *Carryover*.

07-025    Paul Entzel will revise 07-165r0 per new business item 6.3 of 07-171r0, *Closed*, 07-165r1.

07-026    Paul Entzel will incorporate 07-165r0 as revised into ADC-2, *Carryover*.

07-027    Michael Banther will bring in a proposal to resolve ADC-2 letter ballot comments HPQ-30, HPQ-55, and HPQ-57, *Carryover*.

## 5    Old business:

### 5.1    *ADC-2 Letter Ballot Comment Resolution (06-475r2) [Entzel]*

Paul Entzel led the group through ADC-2 letter ballot comment resolution.  Paul Entzel reported that the working group still has approximately 70 comments to resolve.

### 5.2    *ADI: Features for ADC-2 and ADT-2 (06-060r5) [Suhler]*

At the author's request, the group deferred discussion of this item until the May meeting.

### 5.3    *Discussion of Prevent Allow Media Removal [Barton]*

At the author's request, the group deferred discussion of this item until the May meeting.

## 6    New business:

### 6.1    *ADC-2 Device server and logical unit definitions (07-174r0) [Banther]*

Michael Banther introduced the proposal.  Paul Entzel clarified how Michael intended this proposal to resolve HPQ-55 and HPQ-57 which requests changing from 'device server' to 'logical unit' when discussing task management functions.

Rod Wideman, Paul Suhler, Paul Entzel, and Michael Banther agreed that 07-174r0 resolves ADC-2 letter ballot comment HPQ-30 but does not resolve ADC-2 letter ballot comments HPQ-55 or HPQ-57.  Michael agreed to bring back a revision that resolves HPQ-55 and HPQ-57 as well.

### 6.2     *ADI ADC-2 Letter Ballot Comment QTM-157 ([07-190r0](#)) [Wideman]*

Rod Wideman introduced the proposal.  It seeks to resolve ADC-2 letter ballot comment QTM-157.

Michael Banther raised a concern about the definition of Software Write Protection in SSC-2. He suggested linking the WP bit to Associated Write Protection instead.  Rod Wideman responded that he had considered that option, and had chosen Software Write Protection over Associated Write Protection because the definition of Software Write Protect includes the concept of aggregating several sources to perform write protection.  Rod went on to note that the auto clearing of Associated Write Protection fits the model of WP clearing that we want.

Paul Entzel pointed out that the SSC-3 physical device model only shows one write protect attribute, not one for each source of write protection.  He suggested that the physical model needs to change.  Paul also pointed out that the definition of Software Write Protection includes only the four bits defined in the Device Configuration and Control mode pages. Paul, Rod Wideman, and Michael Banther debated the various write protection mechanisms provided by SSC-2 and SSC-3, eventually rejecting both Software Write Protection and Associated Write Protection.  Michael and Paul suggested requesting a change to SSC-3 as well as ADC-2.  Everyone discussed various wording that removed the objectionable term 'software', seeking a more generic approach.  Eventually the group settled around a formulation.

Rod Wideman made a motion to incorporate [07-190r0](#) as revised into ADC-2.  Michael Banther seconded the motion.  In the absence of objections or abstentions, the group approved the motion unanimously.

### 6.3     *ADI ADC-2 Letter Ballot Comment QTM-159 ([07-191r0](#)) [Wideman]*

Rod Wideman introduced the proposal.  It seeks to specify the meaning of a MUE bit set to zero in the RMC Logical Unit Descriptor of the ADC Device Server Configuration's Logical Unit sub-page.

Curtis Ballard objected to an MUE set to zero as possibly preventing a microcode update. Curtis and Rod Wideman debated possible wording.  Curtis, Rod, Paul Entzel, and Michael Banther discussed if the standard should remain silent, state that an MUE bit set to zero has a vendor-specific meaning, or state something else.  Rod objected to the standard remaining silent because a reader cannot detect if the working group considered the meaning or not.

Rod Wideman pointed out that he had changed the first sentence from using the word 'accept' to using the word 'use'.  Paul Entzel objected to this change as did Michael Banther. Rod agreed to revert back to 'accept'.

Rod Wideman made a motion to incorporate [07-191r0](#) as revised into ADC-2.  Michael Banther seconded the motion.  In the absence of objections or abstentions, the group approved the motion unanimously.

## 7     Next meeting requirements:

The group will hold a meeting 7 May 2007 during T10 plenary week in Seattle, Washington beginning at 9:00 AM PDT and concluding at 1:00 PM PDT.

## 8     Review new action items:

07-028     Michael Banther will revise [07-174r0](#) per new business item 6.1.

07-029    Rod Wideman will revise <u>07-190r0</u> per new business item 6.2.

07-030    Paul Entzel will incorporate <u>07-190r0</u> as revised into ADC-2.

07-031    Rod Wideman will revise <u>07-191r0</u> per new business item 6.3.

07-032    Paul Entzel will incorporate <u>07-191r0</u> as revised into ADC-2.

07-033    Paul Suhler will add ADC-2 letter ballot comment HPQ-61 to the work list for ADC-3, <u>06-425r4</u>.

07-034    Paul Suhler will add ADC-2 letter ballot comment IBM-19 to the work list for ADC-3, <u>06-425r4</u>.

## 9   Adjournment:

Rod Wideman made a motion for adjournment.  Michael Banther seconded the motion.  The group passed the motion unanimously.  Paul Suhler adjourned the group at 10:00 AM PDT.

Attendees:

| Name | Status | Organization |
|------|--------|--------------|
| Mr. Noud Snelder | V | BDT |
| Mr. Curtis Ballard | V | Hewlett Packard Co. |
| Mr. Michael Banther | A | Hewlett Packard Co. |
| Mr. Geoffrey Barton | V | Overland Storage |
| Mr. Paul Entzel | P | Quantum Corp. |
| Dr. Paul Suhler | A | Quantum Corp. |
| Mr. Rod Wideman | V | Quantum Corp. |

Status Key:    P    -    Principal
                A,A#  -    Alternate
                AV    -    Advisory Member
                L    -    Liaison
                V    -    Visitor