

Draft Minutes  
Automation/Drive Interface (ADI) Working Group  
Ad Hoc Meeting  
T10/06-401r1  
11 September 2006  
4:05 PM – 6:40 PM EDT  
Nashua, New Hampshire

**1 Introductions:**

Paul Suhler called the meeting to order at 4:05 PM EDT. He thanked Hitachi Cable Manchester 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. Kevin Butt requested deferral of discussion item 5.1. Michael Banther requested deferral of discussion item 5.3. Kevin Butt discussed with the group whether the desire for the RMC device to obtain the automation device's serial number, from the list of ISV input and for which we're awaiting resolution in SSC-3, should prohibit taking ADC-2 into letter ballot after this meeting. The group agreed to discuss this concern under discussion item 5.5.

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

**3 Approval of previous meeting minutes:**

10 July 2006 meeting [06-306r1](#)

Paul Suhler requested corrections for the minutes of the 10 July 2006 meeting, [06-306r1](#). Initially no one provided comments or corrections.

Michael Banther made a motion for acceptance of the minutes as written. Kevin Butt seconded the motion. Paul Entzel pointed out that the action item 06-046 which [06-306r1](#) records for incorporation into ADC-2 actually belongs in ADT-2. Paul has incorporated it into ADT-2. Michael Banther withdrew his original motion and Kevin Butt withdrew his seconding of the motion. Michael Banther agreed to revise [06-306r1](#) per this discussion.

Michael Banther made a motion for acceptance of the minutes as modified. Kevin Butt seconded the motion.

In the absence of objections or abstentions, the group approved the modified minutes unanimously.

**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.*

- 06-006 Michael Banther will revise [05-265r0](#) per discussion item 5.8 of [05-408r1](#) and discussion item 5.5 of [06-031r1](#). *Carryover.*
- 06-017 Rod Wideman will bring in a proposal to sort out the two bridging models per discussion item 5.1 of [06-118r0](#) including addressing Paul Entzel's observation about reservations. Rod Wideman requested that the group allow him to withdraw this action item. *Closed.*
- 06-036 Paul Entzel will revise ADT-2, 4.3.3.2 per unscheduled business item 6.1 of [06-0228r0](#). *Closed.*
- 06-037 Noud Snelder will revise [06-226r0](#) per unscheduled business item 6.3 of [06-0228r0](#). *Carryover.*
- 06-040 Paul Suhler will revise [06-061r2](#) per old business item 5.4 of [06-306r1](#). *Closed.*
- 06-041 Paul Entzel will incorporate [06-061r2](#) as revised into ADC-2. *Closed.*
- 06-042 Paul Entzel will incorporate [06-183r1](#) into ADC-2. *Closed.*
- 06-043 Michael Banther will revise [06-218r1](#) per old business item 5.6 of [06-306r1](#). *Closed.*
- 06-044 Paul Entzel will incorporate [06-218r1](#) as revised into ADC-2. *Carryover.*
- 06-045 Paul Entzel will incorporate [06-222r1](#) into ADC-2. *Closed.*
- 06-046 Paul Entzel will incorporate [06-280r0](#) into ADT-2. *Closed.*
- 06-047 Paul Entzel will incorporate [06-307r0](#) into ADC-2. *Closed.*
- 06-048 Paul Entzel will revise [06-261r0](#) per new business item 6.4 of [06-306r1](#). *Closed.*
- 06-049 Michael Banther will revise [06-283r0](#) per new business item 6.2 of [06-306r1](#). *Closed.*
- 06-050 Paul Entzel will incorporate [06-283r0](#) as revised into ADT-2. *Closed.*
- 06-051 Paul Entzel will revise [06-294r0](#) per new business item 6.3 of [06-306r1](#). *Closed.*
- 06-052 Paul Entzel will incorporate [06-294r0](#) as revised into ADT-2. *Closed.*
- 06-053 Paul Suhler will revise [06-060r1](#) per old business item 5.8 of [06-306r1](#). *Closed.*

## 5 Old business:

### 5.1 **ADC-2 Working List for ISV feedback (SMC/SSC/ADC/SPC) ([05-315r2](#)) [Butt]**

At the author's request, the group deferred discussion of this item until the November, 2006 meeting.

### 5.2 **ADT-2 Negotiable Time-Outs ([05-377r1](#)) [Banther]**

Michael Banther introduced the proposal to the group.

Rod Wideman asked if the default values for the timeout parameters are adequate for all libraries. Paul Entzel reported that he has seen problems of this type with negotiation. Kevin Butt reported similar problems.

Paul Entzel requested an example of how the two ports use the Timeout IU to set each others acknowledgement time-out. It's clear that the usage model of requesting the other side's list and then selecting one combination of values is missing from the proposed text.

Paul Entzel suggested changing the Timeout IU to provide, instead of a list of time-out descriptors, the time-out resolution and maximum supported timeout to the requesting port. The requesting port then sends a Timeout IU stating the new acknowledgement timeout value for the other port. If a port receives a request for a new timeout value that it does not support, it may round the time-out value up to its next supported value or NAK the IU.

Based on this discussion, the group decided that the default values should remain compatible with ADT.

Michael Banther will bring back a revision based on comments received.

### **5.3 ADT-2 Smaller Connector ([05-265r0](#)) [Banther]**

At the author's request, the group deferred discussion of this item until the November, 2006 meeting.

### **5.4 ADC-2: Fix bridging reservations and other stuff ([06-261r1](#)) [Entzel]**

Paul Entzel walked the group through the changes in revision 1. The group discussed the newly proposed text governing the invalidation of cache data. The group made some small changes here and in the proposed text for clause 4.2.3.5.

Paul Entzel made a motion to accept [06-261r1](#) as revised for incorporation into ADC-2. Rod Wideman seconded the motion.

Kevin Butt conferred with his IBM colleagues concluding that the proposed changes were acceptable.

In the absence of objections or abstentions, the motion passed unanimously.

### **5.5 ADI: Features for ADC-2 and ADT-2 ([06-060r1](#)) [Suhler]**

Paul Suhler asked if we are ready to send ADC-2 into letter ballot.

Kevin Butt reminded the group about the discussion of how the RMC device server acquires the automation device's worldwide name and the DT device's element address. The group promptly dived in to a robust discussion of the possibilities. After some time the group decided to defer consideration of this issue to ADC-3.

Paul Entzel asked for guidance from the working group regarding whether or not to take ADC-2 into the letter ballot phase.

Michael Banther made a motion for a straw poll to determine the working group's opinion of taking ADC-2 into the letter ballot phase after incorporating the proposals accepted during the September, 2006 working group meeting. Paul Suhler seconded the motion.

The group discussed the relative priority of resolving ADC-2 letter ballot comments versus ADT-2 proposals. We agreed to let float the estimated date for forwarding ADC-2 for first public review.

The motion passed 9-0-0.

Paul Suhler walked the group through the list of remaining work items for ADT-2. No one added new work or altered any of the known items.

**6 New business:**

No one brought new business before the meeting

**7 Next meeting requirements:**

Subject to approval by the T10 Plenary, the group will hold a meeting 6 November 2006 during T10 plenary week in Las Vegas, Nevada beginning at 9:00 AM PST and concluding at 1:00 PM PST.

**8 Review new action items:**

06-054 Michael Banther will revise and post [06-306r1](#) per agenda item 3.

06-055 Michael Banther will revise [05-377r1](#) per discussion item 5.2.

06-056 Paul Entzel will revise [06-261r1](#) per discussion item 5.4.

06-057 Paul Entzel will incorporate [06-261r1](#) as revised into ADC-2.

06-058 Paul Suhler will add consideration of how an RMC device server acquires the automation device's worldwide name and the DT device's element address to the project proposal for ADC-3.

06-059 Paul Suhler will add consideration of how to clarify interactions between RMC and ADC device servers, the physical device, and the DT device to the project proposal for ADC-3.

06-060 Paul Suhler will add consideration of how to pass through reservations to the project proposal for ADC-3.

**9 Adjournment:**

Kevin Butt made a motion for adjournment. Rod Wideman seconded the motion. The group passed the motion unanimously. Paul Suhler adjourned the group at 6:40 PM EDT.

Attendees:

Name	Status	Organization
Mr. Noud Snelder	V	BDT
Mr. Curtis Ballard	V	Hewlett Packard Co.
Mr. Michael Banther	V	Hewlett Packard Co.
Mr. Kevin Butt	A	IBM Corp.
Mr. Robert Payne	P	Iomega Corp.
Mr. Paul Entzel	P	Quantum Corp.
Dr. Paul Suhler	A	Quantum Corp.
Mr. Rod Wideman	V	Quantum Corp.
Mr. Halvard Eriksen	AV	Tandberg Data ASA

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