Accredited Standards Committee*
NCITS, Information Technology

Doc. No.:	T10/01-005r0
Date:	January 15, 2001
Project:	SDV 1378-DT
Ref. Doc.:	
Reply to:	John Lohmeyer
	Bill Ham

To: Membership of T10

From: John Lohmeyer, chair SDV working group
            Bill Ham, Secy SDV working group

Subject: Draft minutes of T10 SDV working group on January 15, 2001

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Agenda

1. Opening remarks and introductions
2. Attendance and membership
3. Approve agenda
4. Document distribution
5. Review minutes of previous meeting
6. Review old action items
7. Old Business
  7.1 SDV working draft review [Roberts]
8. New Business
  8.1 Domain Validation Testing Methods (01-033) [Gibbons]
9. Review action items
  9.1 Action items from previous meetings
  9.2 New action items from this meeting
10. Next meetings
11. Adjourn

Results of Meeting

1. Opening remarks and introductions

John Lohmeyer led the meeting. He opened the meeting at 9:00 a.m. and
thanked Ron Roberts and Sondra Heiser of Adaptec for hosting this
meeting. Bill Ham took these minutes.

2. Attendance and membership

Name	S	Organization	Electronic Mail Address
Mr. Ron Roberts	P	Adaptec, Inc.	Ron_Roberts@adaptec.com
Mr. Edward Haske	P	CMD Technology	haske@cmd.com
Mr. Robert C. Elliott	P	Compaq Computer Corp.	Rob_Elliott@compuserve.com
Dr. William Ham	A	Compaq Computer Corp.	bill_ham@ix.netcom.com
Mr. Wayne Bellamy	V	Compaq Computer Corp.	wayne.bellamy@compaq.com
Mr. Bill Troop	V	IBM Corp.	troop@us.ibm.com
Mr. John Lohmeyer	P	LSI Logic Corp.	lohmeyer@t10.org
Mr. William Petty	A	LSI Logic Corp.	william.petty@lsil.com
Mr. Jeffrey J. Gauvin	V	LSI Logic Corp.	jeff.gauvin@lsil.com
Mr. Terry Gibbons	V	LSI Logic Corp.	terry.gibbons@lsil.com
Mr. Mark Evans	P	Quantum Corp.	mark.evans@quantum.com
Mr. Vit Novak	A	Sun Microsystems, Inc.	vit.novak@sun.com
Mr. Paul D. Aloisi	P	Texas Instruments	Paul_Aloisi@ti.com
Mr. Donald R. Getty	A#	Texas Instruments	donald_getty@ti.com
Mr. Mike Kosco	V	Texas Instruments	mike@chipcraft.com

15 People Present

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Status Key:  P   - Principal
             A,A# - Alternate
             AV  - Advisory Memeber
             L   - Liaison
             V   - Visitor
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3. Approve agenda

The agenda shown above was used by agreement of the group.

4. Document distribution

Documents are distributed electronically by means of the T10 web site: www.t10.org.

5. Review minutes of previous meeting

Bill Ham moved and Ron Roberts seconded that the draft minutes as modified be approved from the last meeting. Motion passed without objection.

6. Review old action items

The action items from the last meeting were reviewed and the status is noted in the action items section.

7. Old Business

7.1 SDV working draft review [Roberts]

After the discussion led by Terry under item 8.1 it became clear that some significant changes to SDV are desirable. After extended discussions the following was agreed to apply to SDV.

SDV is applied directly to driver-receiver connections (within the same segment). Segments contain multiple driver-receiver connections. Note that any physical connection between devices is intrinsically bi-directional so the minimum number of driver-receiver connections for any segment is 2.

SDV is differentiated from the material accepted for inclusion into SPI-4 because the SPI-4 material is directed exclusively at individual driver-receiver connections while SDV is directed at issues involved with integrating the properties from all the driver-receiver connections within the same segment.

The failure criteria for any driver-receiver connection was agreed to include:

- CRC errors
- data compare errors
- time outs
- parity errors

All synchronous data phase speeds are included in SDV

A flow chart documentation methodology shall be used for SDV

Suggestions for what to do to react to the detection of failures

With this foundation in mind the SDV document was edited to the extend allowed by the time of the meeting to section 5.2.1.

8. New Business

8.1 Domain Validation Testing Methods (01-033) [Gibbons]

Terry went through the material in 01-033r0. Terry opened many important points concerning how to proceed to with actually executing a real margining exercise. The document will be updated to r1.

9. Review action items

9.1 Action items from previous meetings

Ron Roberts to incorporate LSI logic comments into SDV.
Status: done

Robert Elliott to document the details of the default/nominal etc.
margin parameter values in 00-396r1.
Status: done - placed in SPI-4 rev 02

9.2 New action items from this meeting

Terry Gibbons to issue 01-033r1 containing a flow and other agreed
modifications.
Status: new

Ron Roberts to issue rev 04 of SDV containing the information agreed to
at the January meeting.
Status: new

10. Next meetings

The next meeting will be on March 5, 2001 9:00 a.m. to 5:00 p.m in
Dallas, TX.

No interim meeting presently planned.

11. Adjourn

The meeting adjourned at 5:00PM on Monday January 15, 2001.