Agenda

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Results of Meeting

1. Opening Remarks

John Lohmeyer, the T10 Chair, called the meeting to order at 9:05 a.m., Monday, September 9, 2002. He thanked Dave Peterson of Cisco Systems for hosting the meeting.

As is customary, the people attending introduced themselves and a copy of the attendance list was circulated.

2. Approval of Agenda

The draft agenda was approved with the following additions and changes:

   6.3 Interconnect specifications (discussion) [Ham]

No items were added/revised during the course of the meeting.
### 3. Attendance and Membership

Attendance at working group meetings does not count toward minimum attendance requirements for T10 membership. Working group meetings are open to any person or organization directly and materially affected by T10’s scope of work. The following people attended the meeting:

<table>
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<th>Name</th>
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21 People Present

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

### 4. SPI-5 Topics

#### 4.1 SPI-5 Testing [Manildi]

In the absence of Bruce Manildi, Gerry Houlder agreed that this item should be dropped from future agendas.

#### 4.2 Ultra 640 input offset compensation and training pattern (02-266) [Penokie]

George Penokie requested that this topic be removed from future agendas.

#### 4.3 Clock-to-Data and Duty Cycle Timings (02-268) [Penokie]

George Penokie requested that this topic be removed from future agendas.
4.4 SPI-5 Working Draft Review [Penokie]

George Penokie stated that only one editor’s comment remains in SPI-5 and Paul’s proposal (see item 6.2) addresses that comment. Bill Ham expressed concerns that the tables in Paul’s proposal were still too liberal, but several other members of the group disagreed strenuously.

As stated last time, a letter ballot on forwarding SPI-5 to first public review is expected to start later in September.

5. Old Business

No old business was brought to the meeting for consideration.

6. New Business

6.1 Proposed modifications to SPI-5 timing clause (02-339) [Evans]

Russ Brown proposed a couple of corrections to the timing budget section as well as a suggesting that the timing budget table be rearranged to clarify relationships between the values (02-339r0). The group requested changes in the proposal.

Russ Brown moved that 02-339r1 (r0 as modified) be recommended for inclusion in SPI-5. Paul Aloisi seconded the motion. In the absence of any objections, the motion passed unanimously.

6.2 Proposed changes for SPI-5 (02-325) [Aloisi]

Paul Aloisi presented a proposal to update and correct the termination specifications in SPI-5. Paul noted that critical changes had been omitted from the proposal and presented those changes. The group requested further revisions in the proposal.

Paul Aloisi moved that 02-235r1 (r0 as revised) be recommended for inclusion in SPI-5. Bill Ham seconded the motion. In the absence of any objections, the motion passed unanimously.

6.3 Interconnect specifications (discussion) [Ham]

Bill Ham asked the group to consider some SPI-5 issues raised by PIP revision 3. The group discussed interconnect issues as they relate to SPI-5, signal quality, how to perform the testing described in PIP, and related issues.

Bill raised the issue of SPI-5 specifying an eye opening. Russ Brown stated the opinion that the eye opening specified in SPI-5 has value in implementations that his company has seen. Bill noted that the eye opening could be closed and receivers can still interpret the signal. Russ responded that having some opening is good guidance and leaves room for bad implementations.

Discussion turned to the specification of a transfer function in SPI-5. Bill surfaced several reasons for having transfer functions in SPI-5. Bill proposed that one of the interface manufacturers bring a transfer function proposal to the group.

Russ Brown presented several reasons why the eye is open and how the margin values written into SPI-5 were derived. Bill agreed that no changes were necessary.
7. **Review of Recommendations to the Plenary**

Ralph Weber noted that the following recommendations have been made to the T10 plenary:

- Proposed modifications to SPI-5 timing clause (02-339r1) [Evans] {r0 as revised, unanimous}
- Proposed changes for SPI-5 (02-325r1) [Aloisi] {r0 as revised, unanimous}

8. **Meeting Schedule**

The next meeting of the Parallel SCSI Working Group will be Monday November 4, 2002 commencing at 9:00 a.m. in Huntington Beach, CA at the Hilton Waterfront Beach Hotel (714-960-7873), hosted by QLogic Corp.

9. **Adjournment**

The meeting was adjourned at 11:55 a.m. on Monday, September 9, 2002.