```
TO:        Interested ANSI Members

FROM:      Dal Allan ENCL       (408) 867-6630
           Jayshree Ullal AMD   (408) 749-2537
           Jochen Polster AMD   (408) 749-2479

DATE:      May 11, 1988
```

SUBJECT: Fiber Working Group Meeting on June 2, 3 at Holiday
Inn, Sunnyvale, CA
****

AMD will host the first working group meeting to establish
functional requirements for fiber and also discuss fiber-optic
technology issues. This meeting will be chaired by Dal Allan and
is applicable to SCSI, IPI or HSC-based fiber implementations.
The meeting will be hold at the Holiday Inn located seven miles
south of the San Jose airport at 1217 Wildwood Way. Please call
(408) 245-5330 to request the free shuttle service from San Jose
airport.

A special room rate, including a buffet Breakfast, has been
arranged. While making your reservations, please make reference
to the ANSI/AMD meeting. AMD will also host a cocktail hour on
June 2nd (6:00 p.m. to 7:30 p.m.). You are all invited to
attend. Should you have any questions feel free to call.

Sincerely,

Jayshree V. Ullal   Jochen Polster

Jayshree V. Ullal   Jochen Polster

JVU/lar

WS.004

135

ENDL

To: Interested Parties
Subject: Fiber IPI Working Group

The first working group on the Fiber IPI is to be hosted by AMD at 9:00 a.m. June 2-3. Jayshree Ullal (800-538-8450) is organizing the meeting which may not be held on-site as the number of expected attendees may be more than can be accommodated in the conference rooms available.

The architectural guidelines for IPI embodied the concept from the beginning that the IPI-3 command set would be insensitive to the technology of the Physical Interface.

Although this effort has started life as an IPI project, it is not limited to IPI by any means. The goal is to define a new Physical Interface that can be used by IPI and shared by other command protocols such as SCSI (which will need to separate some of the logical functions such as Command Queueing from the Message system so that it can use another Physical Interface. The effort is not limited to IPI and SCSI as provisions for an HSC-developed or vendor-specific command set may also be incorporated.

The purpose of the working group is two-fold:

1. Establish the functional requirements of the Fiber IPI project.
2. Gather data on optical technology.

ICL has had a fiber channel for several years, Hewlett Packard has recently announced one, and others are known to be under development. There is unlikely to be a shortage of solutions, but we need to define what the problem we want to solve is first.

Proposals will not be considered at this meeting. I want no implementation-specific issues to delay developing the guidelines. Proposals will be invited once they can be measured against known and agreed-upon objectives.

In terms of fiber, information is needed on LED and laser transmitter/-receivers; plastic, multimode and single mode glass capabilities; and individual vs ribbon fiber alternatives.

There is an implicit assumption on my part that Fiber IPI will have to operate in many environments so there will be multiple IPI-0 definitions of fiber/modules to suit short and long distance, cheap as well as high speed applications. All of these would operate with one IPI-1 protocol so that chip sets could be developed exclusive of the transmission components.

If you would like to make a presentation on any of the above, please give Jayshree or me a call (I will be out of the country May 13-30).

I. Dal Allan

14426 Black Walnut Court, Saratoga, California 95070   (408) 867 - 6630

136