IEEE P1394.1 Working Group
October 7, 1996
Redmond, WA

Dick Scheel called the meeting to order at roughly 9:15 AM. As is customary, the attendees introduced themselves after which Dick explained IEEE procedures with respect to individual *vs.* company participation.

The minutes from the previous meeting were approved as written. Dick presented the agenda for the meeting and requested additional agenda items. These minutes reflect the agenda as accepted by the Working Group.

IEEE INTERNATIONAL PARTICIPATION FEES

After a discussion of the International Participation Fee that the IEEE expects to collect from each individual participant in the standards process, Peter Johansson moved and Dave James seconded that P1394.1 Working group handle the annual international participation fee of $300 as follows:

a) When a participant satisfies the P1394.1 voting requirements, the Chair shall forward the member's name and address to the IEEE with the expectation that the IEEE will bill the participant for the International Participation Fee;

b) Payment of the International Participation Fee is a requirement to maintain voting membership in P1394.1; and

c) Upon the occasion of a letter ballot, the Chair shall request a list of members who have paid there International Participation Fee in order to verify voting requirements.

The motion passed unanimously.

NETWORK CONFIGURATION

The discussion of these initialization matters was deferred until normal operations have been completely agreed upon.

ASYNCHRONOUS ROUTING

Dave James notes that bridges return ACK_PENDING to all transactions that are forwarded. This relieves bridges of the complexity of maintaining transaction ordering.

The working group agreed upon the necessity of a detailed description as to how the current SPLIT_TIMEOUT and BUSY_TIMEOUT registers are to be used in a bridged environment. This action item remained unassigned.

NET BROADCAST

After a vigorous discussion that consumed most of the morning, no resolution was reached as to whether or not net broadcast is to be supported. Broadcast remains a local Serial Bus capability specified by IEEE Std 1394-1995.

SPEED MAP

There needs to be an agreed upon interpretation of the speed code communicated to a target by an initiator. To use SBP-2 as an example, the initiator sends a speed code to the target. The target shall use this speed in all transaction requests and responses that it initiates that involve the initiator.

Bridge portals need a register to control the forwarding speed for asynchronous packets whose bus ID differs from the connected bus. A possible solution is to define a "forwarding speed" field in the portal control register; the assumption is that the bridge manager would set this field to the least common denominator of all the speeds usable between one portal and another on the same bus segment.

Bridge portals do not necessarily have to be bridge manager capable. However, it is highly desirable for a bridge portal to be bus manager capable in order to set an optimal gap count---in case there is no other bus manager present.

RESET NOTIFICATION

Generation number should be maintained by a bridge portal and read by the bridge manager. This may obviate the need for the transmission of a generation number in a RESET_NOTIFICATION.

The bus_ID register in the PORTAL_CONTROL register may be either a) unnecessary or else b) set as a result of the broadcast write to the NODE_IDS register.

Transaction integrity still requires additional investigation.

MEETING SCHEDULE

There was general agreement that the fall Comdex schedule followed by the holidays together make it unlikely that a productive P1394.1 Working Group meeting can be held before the new year. Dick will investigate the availability of the Sony facility for a San Jose meeting in January, 1997. In the meantime the technical editor is requested to produce a new revision of the working draft by the first week in January. The revision should include additional detail on the matters discussed in the Redmond P1394.1 meeting.

ADJOURNMENT

The meeting was adjourned by Dick Scheel in the vicinity of
5:00 PM the same day.

ATTENDANCE

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Dave James          Apple     dvj@apple.com
David Wooten        Compaq    davidw@bangate.compaq.com
Peter Johansson     Congruent Software
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