Time Synchronization Study Group
Agenda and General Information

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High Speed Design

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Agenda

- Welcome and Introductions
- Appoint/Volunteer Recording Secretary
- Goals for this Meeting
- Reflector and Web
- Ground Rules
- IEEE
  - Structure
  - Bylaws and Rules
  - Call for Patents
  - IEEE Standards Process
- Presentations
- Future Meetings

Goals for this Meeting

- **To address comments received against the PAR and 5 Criteria**

- **Prepare for IEEE 802.3 WG Closing Plenary**

Reflector and Web

To subscribe to the Time Synchronization Study Group send an email containing the following text in the body of the message to:

subscribe stds-802-3-time <yourfirstname> <yourlastname>

to

ListServ@ieee.org

Time Synchronization Study Group web page URL:

http://www.ieee802.org/3/time_adhoc/

IEEE 802.3 TSSG
Atlanta GA November 2009

Ground rules

- **802.3 Rules apply**

   - Foundation based upon Robert's Rules of Order

- Anyone in the room may speak

- Anyone in the room may vote

- RESPECT… give it, get it

- NO product pitches

- NO corporate pitches

- NO prices!!!

- This includes costs, ASPs, etc. no matter what the currency

- NO restrictive notices

Bylaws and Rules

- **Bylaws of the IEEE Standards Association (IEEE-SA):**
- **http://standards.ieee.org/sa/sa-bylaws.pdf**
- **Bylaws of the IEEE-SA Standards Board:**
- **http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf**
- **IEEE LAN/MAN Standards Committee (LMSC)**
- **Operating Rules:**
- **http://www.ieee802.org/rules.pdf**
- **IEEE 802.3 Working Group Operating Rules:**
- **http://www.ieee802.org/3/rules/**
- **IEEE SA Patent Policy**
- **http://www.ieee802.org/3/patent.html**

Pre-PAR Patent Policy

- **http://standards.ieee.org/board/pat/prePAR-pat-slideset.ppt**

SCOPE from CFI (as of 03/09)

Support in 802.3 for IEEE 802.1AS by providing an accurate indication of the transmission and reception initiation times of certain packets

Project Authorization Request (PAR)

One comment received from James Gilb, 802 Recording Secretary:

PAR 5.3 - This is dependent on the completion of P802.1AS and it should be noted as such.

Proposed Response: While the proposed IEEE P802.3bf project would be developed to support the needs of P802.1AS, it would also support any time synchronization protocol. In addition, the proposed project would not rely on any specification contained in P802.1AS.

Based on this, the completion of this proposed project is not dependant on IEEE P802.1AS.

The 5 Criteria

Comments from James Gilb, 802 Recording Secretary:

Slide 3: Multiple vendors, multiple users - This question is not answered in the slide.

The slide has been updated to answer this question:

"This capability has been available from many vendors on a proprietary basis for some years. Having an interoperable standard will significantly expand the market."

The 5 Criteria

Comments from James Gilb, 802 Recording Secretary:

Slide 4: I don't think these questions match the OpsManual. Please reformat to answer the questions in the OpsMan.

Items a) and b) are the questions required by the IEEE 802 Operations Manual. Items c), d), and e) are additional questions required by the IEEE 802.3 Working Group rules.

Slide 5: Easy for the document reader to select the relevant specification - I don't think this question is directly answered. I am not sure why we ask this question, but since we do, it should be answered.

We have added text that states that this is the only time synchronization interface and management in IEEE 802.3

The 5 Criteria

Comment from James Gilb, 802 Recording Secretary:

Slide 6: "Cite to MT journal article" seems to be a broken link, was this supposed to be replaced with the actual citation?

The citation was unavailable when the draft was posted. It has been added to Slide 6.

Slide 7: My suggestion would be to expand the description of why the cost is low, e.g., the impact is to add additional logic elements to record the time packets are received and pass this to the higher layers or to embed the information in the Ethernet frame.

The TSSG accepts the commenter's point, but does not want to go into great technical detail. Here is replacement text:

"Time synchronization will require a small number of additional logic elements to provide the necessary information to the interface."

Objective

Motion

Request the IEEE 802.3 WG extend the TS Study Group

M: S. Carlson
S: A. Madge

Procedural 50%

Y: 14   N: 0   A: 0

11/18/09 1:22PM
PASSES

Motion

Accept the responses on the 5 Criteria from James Gilb (1109_tssg_agenda.pdf)

M: M. Hajduczenia
S: J. Innis

Technical 75%

Y: 14   N: 0   A: 0

11/18/09 1:20PM
PASSES

Motion

Accept the responses to the PAR question from James Gilb. (1109_tssg_agenda.pdf)

M: M. Hajduczenia
S: F. Effenberger

Technical 75%

Y: 13   N: 0   A: 0

11/18/09 1:19PM
PASSES

Motion

Present the PAR, 5C and Objective to the IEEE 802.3 WG for approval, and to continue to progress the project to the EC.

M: M. Hajduczenia
S: A. Madge

Technical 75%

Y: 15   N: 0   A: 0

11/18/09 1:24PM
PASSES

Future Meetings

- **IEEE 802.3 Interim, January 25 – 29, New Orleans, LA**