
IEEE 802.3ba Copper “Cu” Sub-Task Force Agenda and General Information Dallas, Texas Nov 2008

**Cu Sub-Task Force Chair
Chris Di Minico**

Agenda

- **Administrative**
 - **Welcome and Introductions**
 - **Ground Rules**
 - **Appoint recording secretary**
 - **Patent policy and other guidelines**
- **New business**
 - **Comment resolution IEEE Draft P802.3ba/D1.0**
 - **Clauses 85, 83 and 69,69A,69B,73,84**
 - **Review presentations addressing comments**
 - **Output documents**
- **Closing**

Cu Sub-Task Force

- **Cu Sub-Task Force Chair and Editor for 40GBASE-CR4 and 100GBASE-CR10, clause 85**
 - **Chris DiMinico**
- **Editor, 40 Gb/s (XLAUI) and 100 Gb/s (CAUI) interfaces, clause 83A**
 - **Ryan Latchman**
- **Editor, backplane clauses, 69,69A,69B,73,84**
 - **Arthur Marris**

Ground Rules

- **Based upon IEEE 802.3 Rules**
 - **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**

- **Please use the microphone to address the Sub-Task Force**

Participants, Patents, and Duty to Inform

All participants in this meeting have certain obligations under the IEEE-SA Patent Policy. Participants:

- “Shall inform the IEEE (or cause the IEEE to be informed)” of the identity of each “holder of any potential Essential Patent Claims of which they are personally aware” if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
 - “Personal awareness” means that the participant “is personally aware that the holder may have a potential Essential Patent Claim,” even if the participant is not personally aware of the specific patents or patent claims
 - “Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of such potential Essential Patent Claims” (that is, third parties that are not affiliated with the participant, with the participant’s employer, or with anyone else that the participant is from or otherwise represents)
 - The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group
- Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2
- Early identification of holders of potential Essential Patent Claims is strongly encouraged
 - No duty to perform a patent search

Patent Related Links

All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.

Patent Policy is stated in these sources:

IEEE-SA Standards Boards Bylaws

<http://standards.ieee.org/guides/bylaws/sect6-7.html#6>

IEEE-SA Standards Board Operations Manual

<http://standards.ieee.org/guides/opman/sect6.html#6.3>

Material about the patent policy is available at

<http://standards.ieee.org/board/pat/pat-material.html>

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit <http://standards.ieee.org/board/pat/index.html>

This slide set is available at <http://standards.ieee.org/board/pat/pat-slideset.ppt>

Call for Potentially Essential Patents

- **If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance:**
 - **Either speak up now or**
 - **Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible or**
 - **Cause an LOA to be submitted**

Other Guidelines for IEEE WG Meetings

- All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
 - Don't discuss the interpretation, validity, or essentiality of patents/patent claims.
 - Don't discuss specific license rates, terms, or conditions.
 - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
 - Technical considerations remain primary focus
 - Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
 - Don't discuss the status or substance of ongoing or threatened litigation.
 - Don't be silent if inappropriate topics are discussed ... do formally object.

See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy” for more details.

Comment resolution

- **Schedule (start Tuesday morning 8 AM to completion)**
 1. **Clause 85, 40GBASE-CR4 and 100GBASE-CR10**
 2. **Backplane clauses, 69,69A,69B,73,84**
 3. **Clause 83A, 40 Gb/s (XLAUI) and 100 Gb/s (CAUI) interfaces**
- **Priority**
 - **Review T/TRs for each clause**
- **Comment status**

Clause	Editor	T/TRs	E/ERs	Total
85	Chris DiMinico	73	7	80
69,69A,69B,73,84	Aurthur Marris	32	10	42
83A	Ryan Latchman	37	18	55
		142	35	177

Preliminary presentation schedule (Clause 85)

- **Comment #451,453, 454, 456, 457, 458, and 459: supporting material for clause 85 comments submitted Chris DiMinico , MC Communications**
- **Comment #536: Supporting Material
Mike Fogg Tyco Electronics**
- **Comment # 537: Supporting Material
Mike Fogg Tyco Electronics**
- **Comment #548: Supporting Material
Mike Fogg Tyco Electronics**
- **Comment #549: Supporting Material
Mike Fogg Tyco Electronics**
- **Comment #271: Receiver testing for PHYs based on 10GBASE-KR
Adam Healey LSI, Rich Mellitz Intel, John D'Ambrosia Force10Networks**
- **Comments #584, 585, 592, 593, and 605: The Road to Make CR4/CR10 Plug and Play
Ali Ghiasi Broadcom**
- **Comment #322: Partial FEC
Piers Dawe Avago**
- **Comment #341: Auto-negotiation not needed for FEC or for front-panel ports
Piers Dawe Avago**

Preliminary presentation schedule (Clause 83A)

- Comments #552, 556, 582, 597, and 599: Refinement to XLAUI/CAUI Electrical Specifications
Ali Ghiasi Broadcom
- Comment #199: XLAUI/CAUI Jitter Tolerance Test Requirement Proposal
Toshihiro Suzuki, Anritsu
- Comment #: An Equalization and Jitter Transfer Function (JTF) Specification Proposal for XLAUI/CAUI
Mike Li Altera
- Comment #289: nAUI jitter transfer specs
Piers Dawe Avago
- Comments 139, 140: Updated Figures for Annex 83A (Zip File Containing Figures)
John D'Ambrosia, Force10 Networks
- Comment #238: BER objective for nAUI I/F
Mark Gustlin Cisco , Mike Li Altera