
**IEEE 802.3ba Copper “Cu” Sub-Task Force
Agenda and General Information
Chicago, IL – September 2009**

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

**Editor(s) – Ryan Latchman
Arthur Marris**

Cu Sub-Task Force

- **Cu Sub-Task Force Chair and Editor for 40GBASE-CR4 and 100GBASE-CR10, clause 85, 85A**
 - **Chris DiMinico**
- **Editor, 40 Gb/s (XLAUI) and 100 Gb/s (CAUI) interfaces, clause 83A,83B**
 - **Ryan Latchman**
- **Editor, Clauses 69, 73, 74, 84, Annexes 69A, 69B**
 - **Arthur Marris**

Agenda

- **Administrative**
 - **Welcome and Introductions**
 - **Ground Rules**
 - **Appoint recording secretary**
 - **Patent policy and other guidelines**
- **New business**
 - **Comment resolution IEEE Draft P802.3ba/D2.0**
 - **Clauses 85, 85A, 83A,83B and 69,69A,69B,84**
 - **Review presentations addressing comments**
 - **Output documents**
- **Closing**

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.

Copper Sub-Task Force Schedule

	Mon	Tues	Wed	Thurs				
9:00	Task Force	Logic	Copper	Optics	Logic	Copper	Optics	Task Force
9:30								
10:00								
10:30								
11:00								
11:30								
12:00	Lunch		Lunch		Lunch		Lunch	
12:30	Lunch		Lunch		Lunch		Lunch	
13:00	Task Force	Logic	Copper	Optics	Logic	Copper	Optics	Task Force: Closing Reports, Motions, & Closing Business
13:30								
14:00								
14:30								
15:00								
15:30								
16:00	Task Force	Logic	Copper	Optics	Logic	Copper	Optics	Task Force: Closing Reports, Motions, & Closing Business
16:30								
17:00								
17:30								
18:00								
18:30								
19:00	Dinner		Dinner		Dinner		Task Force: Closing Reports, Motions, & Closing Business	
19:30	Logic	Copper	Optics	Logic	Copper	Optics		
20:00								
20:30								

Agenda Tuesday and Wednesday

- **Schedule (start Tuesday morning 9:00 AM to completion)**
 1. **Clause 85, 40GBASE-CR4 and 100GBASE-CR10**
 2. **Backplane Clauses 69, 73, 74, 84, Annexes 69A, 69B**
 3. **Annex 83A, 83B 40 Gb/s (XLAUI) and 100 Gb/s (CAUI) interfaces**
- **Priority**
 - **Review T/TRs for each clause**
- **Comment status**

Clause/Annexes	Editor	TR	T	ER	E	Total
85, 85A	Chris DiMinico	47	27	5	24	103
69, 74, 84, 69A, 69B	Aurthur Marris	0	2	1	0	3
83A,83B	Ryan Latchman	11	9	3	7	30
		58	38	9	31	136

85, 85A- 3 late comments considered total = 107

Key items clause 85

- **Alignment of insertion loss equations of electrical channels (85-14) and (86A-19).**
- **Alignment of transmit and receive PCB insertion losses in 85A and 86A.**
- **Alignment of test fixtures insertion losses in 85 and 86A.**
- **Refinements of interference tolerance test**
- **Channel insertion loss to crosstalk ratio**

Presentations in support of comments

Comments for Task Force

Comment #113, 114: Measured Crosstalk Result of Mated HCB/MCB

17-Sept-09

262K Ali Ghiasi Broadcom

Comment #39 - 44: 802.3ba CR4/10, SR4/10 loss budgets Draft 2.2 review

17-Sept-09

50K Marco Mazzini Cisco

Comment#15: Proposals for Consistency: Parameter Names & Figures

21-Sept-09

244K John D'AmbrosiaPete AnslowForce10 NetworksNortel

Comments #39 - 42: Insertion Loss Allocation

21-Sept-09

168K