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# **IEEE 802.3ba Copper “Cu” Sub-Task Force Agenda and General Information New Orleans, LA - Jan 2009**

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

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

# Cu Sub-Task Force

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- **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, Clauses 69, 73, 74, 84, Annexes 69A, 69B**
  - **Arthur Marris**

# Agenda

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- **Administrative**
  - **Welcome and Introductions**
  - **Ground Rules**
  - **Appoint recording secretary**
  - **Patent policy and other guidelines**
- **New business**
  - **Comment resolution IEEE Draft P802.3ba/D1.1**
    - **Clauses 85, 83 and 69,69A,69B,73,84**
    - **Review presentations addressing comments**
  - **Output documents**
- **Closing**

# Ground Rules

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- **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

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**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](mailto: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

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- **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.**

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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.



# Draft 1.1 - Comment resolution

- **Schedule (start Tuesday morning 8:30 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	51	7	58
69,69A,69B,73,84	Aurthur Marris	28	13	41
83A	Ryan Latchman	63	14	77
		142	34	176

# Preliminary presentation schedule (Clause 85)

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- **Supporting material for Draft 1.1 comments submitted-  
Chris DiMinico, MC Communications  
Comments; 302,308,303,296,305,307,306,297,309  
and 663 (Tom Palkert comment).**
- **Steps Required to Make CR4 and CR10 in to Interoperable Standard-  
Ali Ghiasi, Broadcom  
Comments; 65, 66, 68, 70, 73**
- **New ICR fitted line methodology required –  
Vittal Balasubramanian, FCI  
Comments; 665,667**
- **Link budget for 40GBASE-CR4 and 100GBASE-CR10-  
Adam Healey  
Comments; 287, 666-7**

# Preliminary presentation schedule (Clause 83A)

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- **nAUI TBD Closure-Ryan Latchman, Gennum**  
**Comments; 48, 49, 50, 53, 54, 56, 60, 249, 250, 251, 255, 256, 259, 260, 261, 262, 265, 268**
  
- **Refinement to XLAUI/CAUI Electrical Specifications**  
**Ali Ghiasi Broadcom**  
**Comments; 48, 49, 61, 52, 55, 50, 54, 53, 56, 57, 58**
  
- **Compliance points for Naui-Piers Dawe Avago**  
**Comments; 131, 206, 325, 326, 437, 448, 462, 470, 544, 566, 569, 574, 590, 594, 596, 603, 608, 619, 627, 634, 635, 655, 656, 657, 658, 660**
  
- **XLAUI/CAUI Jitter Tolerance Test Proposal**  
**Toshihiro Suzuki, Anritsu**  
**Comment; 279**