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# **IEEE 802.3ah**

# **Ethernet in the First Mile**

# **Task Force**

## **Agenda and General Information**

J. W. Marriott Seoul  
15-May-2003



**Ethernet in the First Mile**  
**IEEE 802.3ah Task Force**



# Agenda

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- **Call to order**
- **New editor appointment**
- **Editor-in-Chief's report**
- **Short Reach copper tutorial**
- **Sub Task Force reports with review of Big Ticket Items & Motion Madness**
  - **Copper**
  - **P2MP**
  - **Optics**
  - **OAM**
- **Liaison letter(s)**
- **Reviewing draft D1.732**
- **Development schedule**
- **Future meetings**

# IEEE 802.3ah Officers

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- Howard Frazier, Chair, *millardo@dominetsystems.com*
- Hugh Barrass, Vice Chair, *hbarrass@cisco.com*
- Wael Diab, Editor in Chief, *wdiab@cisco.com*
- Behrooz Rezvani, Executive Secretary, *behrooz@ikanos.com*
- Scott Simon, Recording Secretary, *ssimon@cisco.com*
- Gerry Pesavento, P2MP Chair, *gerry.pesavento@teknovus.com*
- Vipul Bhatt, Optics Chair, *vipul\_bhatt@ieee.org*
- Matt Squire, OAM Chair, *mattsquire@acm.org*
- Barry O'Mahony, Copper Chair, *barry.omahony@intel.com*
- Ariel Maislos, P2MP Editor, *ariel.maislos@passave.com*
- Thomas Murphy, Optics Editor, *thomas.murphy@infineon.com*
- Kevin Daines, OAM Editor, *kevin.daines@worldwidepackets.com*
- Michael Beck, Copper Editor, *michael.beck@alcatel.be*
- Ben Brown, Logic Editor, *benjamin.brown@ieee.org*      Affirmed by 802.3ah 15-May-2003

# Big Ticket Items - Copper

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- ✓ **62B: Fill in performance annex**
  - ✓ **adopted draft**
- ✓ **62B: Relationship of objective to performance annex**
  - ✓ **comment withdrawn**
- ✓ **62: MCM, # tones, bits/tone, tone spacing**
  - ✓ **fixed # tones, bits/tone, tone spacing - no TBDs**
- ✓ **62: SCM, filter & equalizer characteristics**
  - ✓ **addressed by performance requirements**
- ✓ **63: Extended bandwidth**
  - ✓ **TF vote needed**
- ✓ **61, 62, 63: PICS**
  - ✓ **adopted draft PICS for 61,62,63**

# Big Ticket Items - P2MP

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- ✓ 64: Theory of operation: discrepancies w/ state diagrams
  - ✓ agreed to remove conflicting text, salvage essential bits
- ✓ 65: Closed vs open loop timing
  - ✓ selected close loop with jitter xfer
- ✓ 64: P2MP PMD timing parameter discovery
  - ✓ rejected
- ✓ 64: Changes to fields, reordering of fields
  - ✓ rejected
- ✓ 64, 65: PICS
  - ✓ adopted draft PICS
- ✓ 65: Descriptive block diagrams inconsistent with state diagrams
  - ✓ need volunteer to implement



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# Big Ticket Items - Optics

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- ✓ 60: Optics - BER for 100mbps, how to extrapolate
  - ✓ added values and margin to receiver table
- ✓ 60: Jitter
  - ✓ adopted new values
- ✓ 66A: Temperature - fill in the #s
  - ✓ accepted #s, trying to connect with commenter
- ✓ 58, 59, 60: Test points for BiDi
  - ✓ changed diagram
- ✓ 58: Closed vs open loop timing
  - ✓ adopted closed loop
- ✓ 58: Jitter xfer
  - ✓ adopted numbers
- ✓ 58: FEC relevant changes clarified

# Big Ticket Items - OAM

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- ✓ **30: Table of packages/capabilities**
  - ✓ **table drafted and adopted**
- ✓ **30A: Produce 30A**
  - ✓ **mechanical**
- ✓ **57: Events**
  - ✓ **added running count to Event TLVs**
- ✓ **57: Dying gasp**
  - ✓ **resolved**
- ✓ **57: Proliferation of OAM PDUs**
  - ✓ **resolved**



# Liaison letters

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- **Response to T1M1**
- **Generated letter to TTC**
- **Generated letter to T1E1**





# Reviewing draft D1.732

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- Our editors will produce IEEE P802.3ah/D1.732 after this meeting, based on the comment responses
- D1.732 will be posted in both a “clean” and “changes highlighted” format
- Comment only on the “changes highlighted” document
- Comment only on the changes
- We will continue the Task Force review process
- **We SHALL be ready for WG ballot in July**



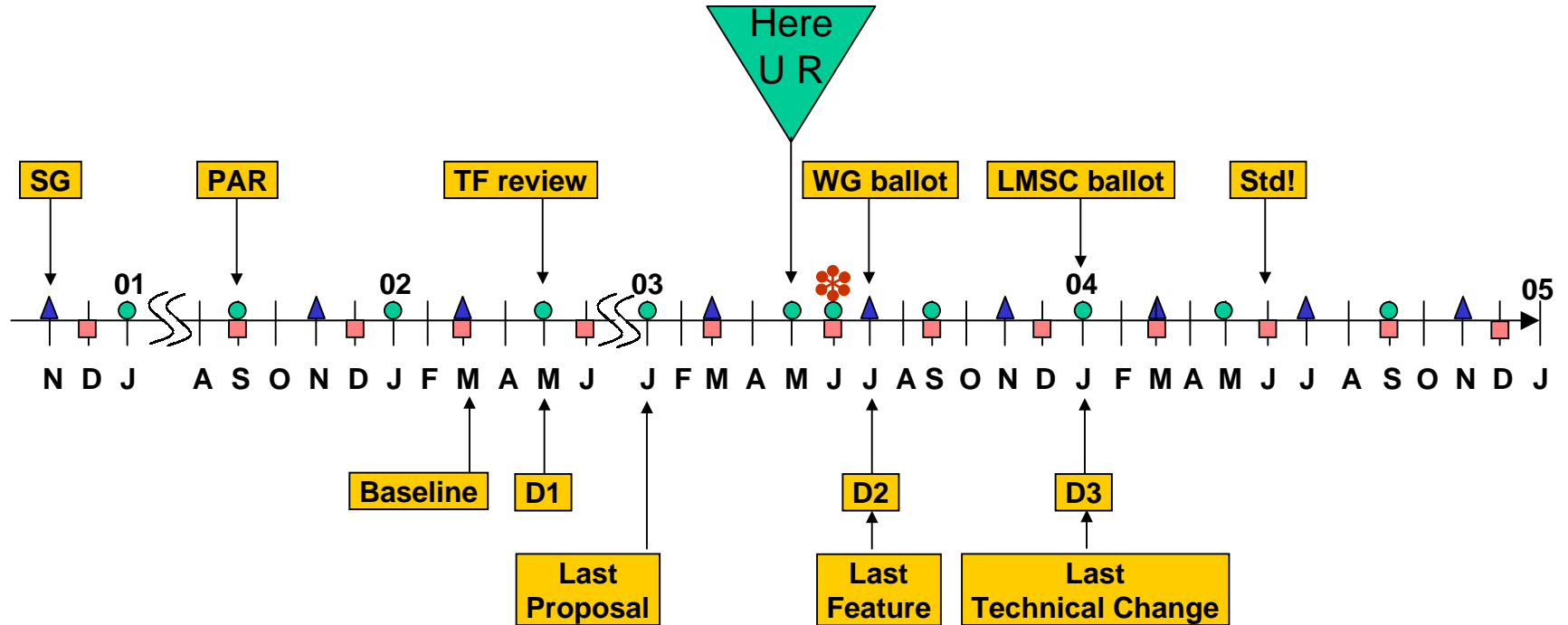
# Development schedule





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- **We will stay on track IFF:**
  - ✓ **We resolve all of our TBDs and open issues at this meeting**
  - ✓ **We resolve all of our comments at this meeting**
  - **We make a 10PASS-TS line code decision prior to seeking a WG ballot**



# Adopted timeline



-  T1E1 Decision
-  802 Plenary
-  802.3 Interim
-  IEEE-SA Standards Board

**Adopted by IEEE 802.3ah 9-January-2003**



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# Future meetings

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- **24-25 June, 2003, Ottawa, hosted by Nortel**  
**Delta Ottawa Hotel & Suites - CAD \$135/night**  
**Registration fee US \$125**
- **21-24 July, 2003, San Francisco, CA - IEEE 802 Plenary**
- **15-18 Sep, 2003, Ancona, Italy, hosted by Aethra**
- **10-13 Nov, 2003, Albuquerque, NM - IEEE 802 Plenary**
- ***need host for January, 2004 interim meeting***