# IEEE 802.3ah Ethernet in the First Mile Task Force

Agenda and General Information

Sheraton Hotel, Raleigh, NC 14-January-2002

# Agenda

- Welcome and introductions
- Objectives for this meeting
- Reflector and WWW site
- Ground rules
- IEEE standards process
- Review PAR & Objectives
- Liaison letter(s)
- Discussion of Copper Objectives
- Presentations
  - General
  - Split into tracks
    - EPON
    - Cu
    - P2P
    - OAM
- Motion madness
  - Minutes of previous meeting
- Next steps

#### 802.3ah Officers

- Howard Frazier, 802.3ah Chair, millardo@dominetsystems.com
- Gerry Pesavento, P2MP Chair, gerry.pesavento@alloptic.com
- Hugh Barrass, Copper Chair, hbarrass@cisco.com
- Vipul Bhatt, Optics Chair, vipul\_bhatt@ieee.org
- Matt Squire, OAM Chair, mattsquire@acm.org
- Ariel Maislos, P2MP Editor, ariel.maislos@passave.com
- Behrooz Rezvani, Copper Editor, behrooz@ikanos.com
- Wael Diab, Optics Editor, wdiab@cisco.com

# Objectives for this meeting

 Develop and Review "Baseline" Proposals

Refine project objectives

#### Reflector and web

To subscribe to our reflector(s), send email to:

majordomo@ieee.org

and include one or more of the following in the *body of the message:* 

subscribe stds-802-3-efm <your email address>
subscribe stds-802-3-efm-copper <your email address>
subscribe stds-802-3-efm-p2mp <your email address>
subscribe stds-802-3-efm-p2p <your email address>
subscribe stds-802-3-efm-oam <your email address>

Our web site is located at:

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

#### **Ground rules**

- Any one in the room may speak (when recognized by the chair)
- Any one in the room may vote
- R-E-S-P-E-C-T give it, get it
- No product pitches, no corporate pitches
- No discussion of pricing or prices

#### **Ground rules**

 The IEEE-SA's patent policy is set forth in clause 6 of the IEEE-SA Standards Board Bylaws:

IEEE standards may include the known use of patent(s), including patent applications, if there is technical justification in the opinion of the standards-developing committee and provided the IEEE receives assurance from the patent holder that it will license applicants under reasonable terms and conditions for the purpose of implementing the standard. This assurance shall be provided without coercion and prior to approval of the standard (or reaffirmation when a patent becomes known after initial approval of the standard). This assurance shall be a letter that is in the form of either

- a) A general disclaimer to the effect that the patentee will not enforce any of its present or future patent(s) whose use would be required to implement the proposed IEEE standard against any person or entity using the patent(s) to comply with the standard or
- b) A statement that a license will be made available to all applicants without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination

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IEEE 802.3ah Task Force	

### **Ground rules**

Operating rules of the IEEE 802.3 Working Group:

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

 Operating rules of the IEEE 802 LAN/MAN Standards Committee:

http://www.ieee802.org/rules.pdf

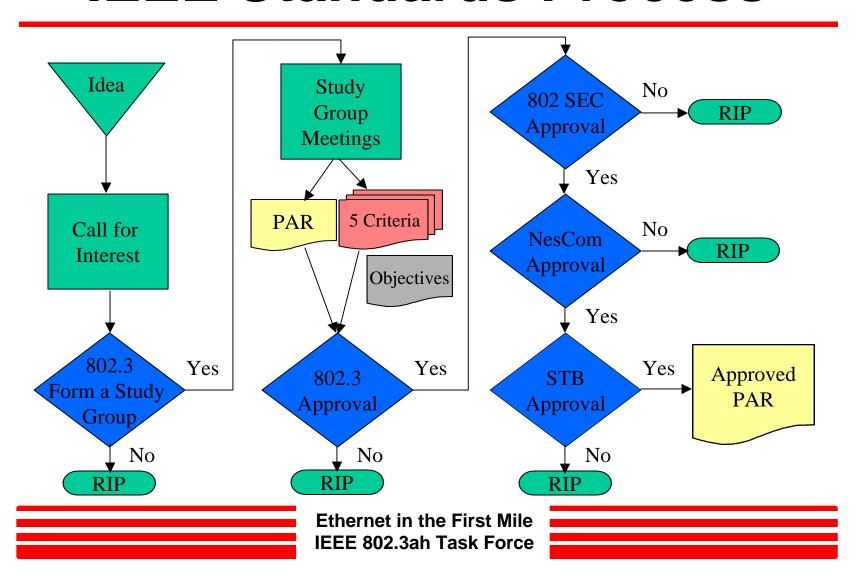
 Bylaws of the IEEE Standards Association Standards Board:

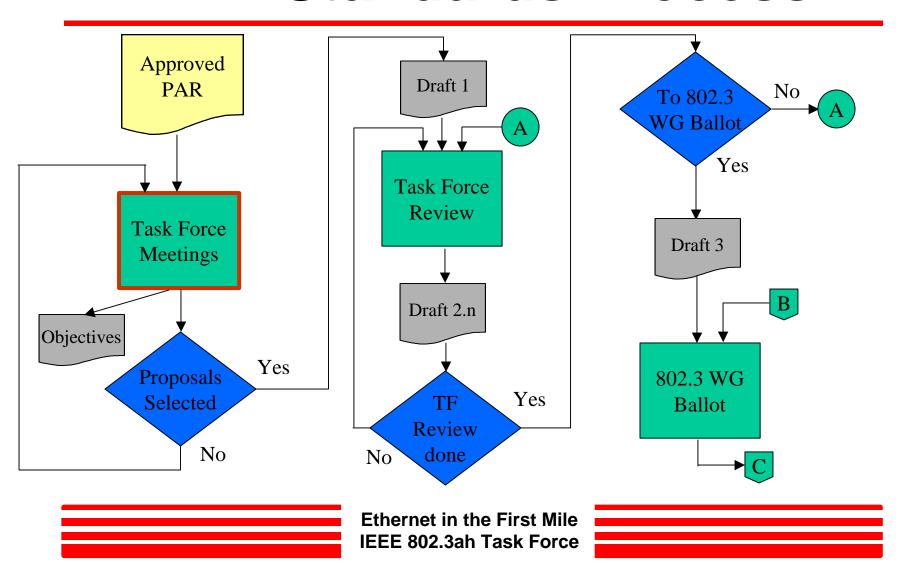
http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf

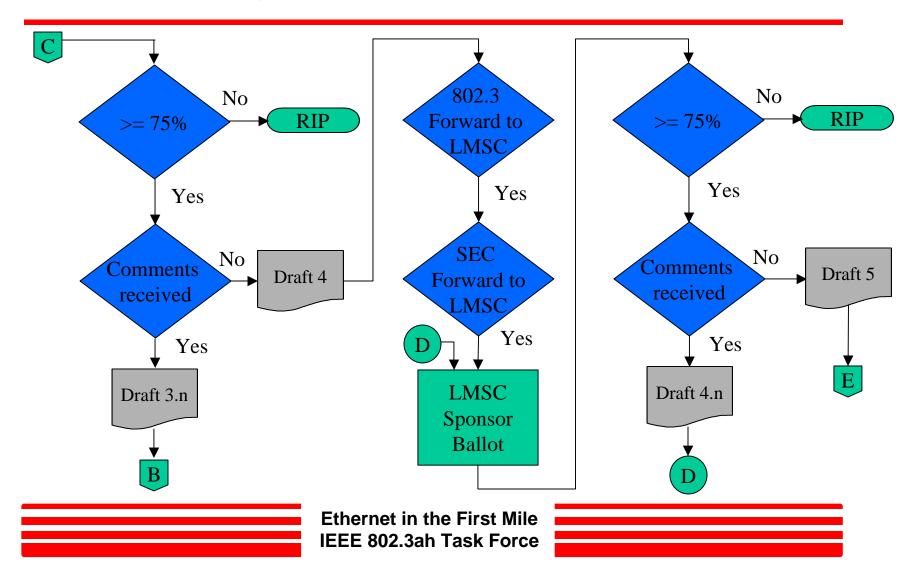
Bylaws of the IEEE Standards Association:

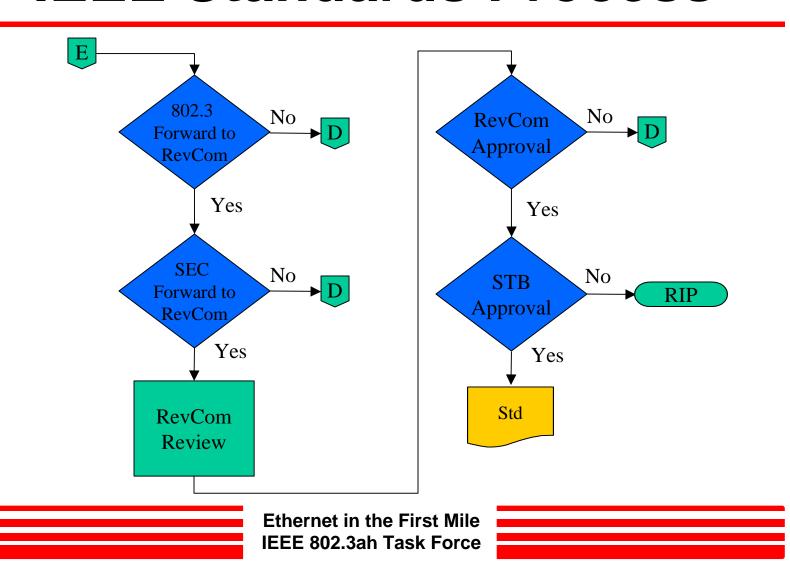
http://standards.ieee.org/sa/sa-bylaws.pdf

(there will be a quiz at the end of the meeting)

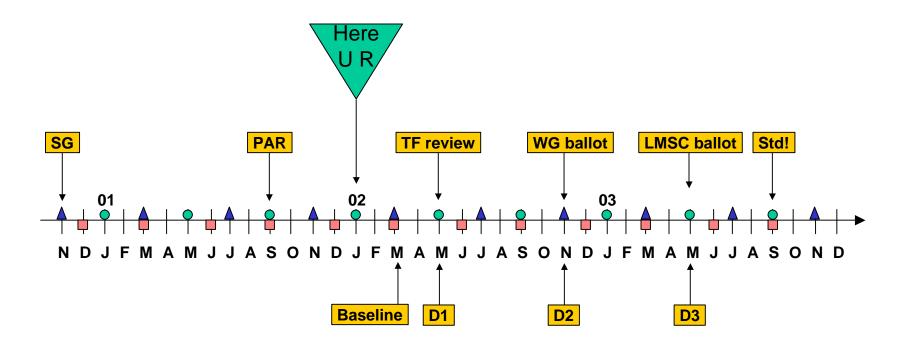


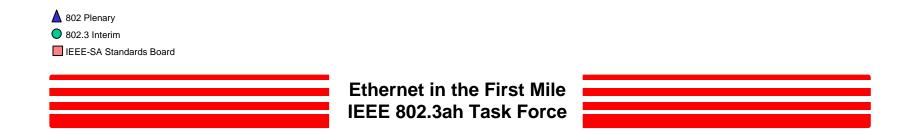






# **Adopted Timeline**





## Liaison Letters

- Liaison letters received from
  - ITU-T SG 15

## Plan for the week

		MON		TUE			WED		
8:30									
9:00					0.434		DOMB	0.00	
9:30	802.3ah EFM Task Force Opening Plenary		P2MP & Optics Sub Task Forces Joint Session	OAM Sub	Copper Sub	P2MP Sub	Optics Sub	Copper Sub	
10:00				Task Force	Task Force	Task Force	Task Force	Task Force	
10:30									
11:00									
11:30									
12:00	Lunch		Lunch			Lunch			
12:30		Lunch		Editori			Euricii		
1:00									
1:30									
2:00	P2MP	Optics	Copper	P2MP & Optics	OAM	Copper		802.3ah	
2:30	Sub	Sub	Sub	Sub Task Forces Joint Session	Sub Task	Sub Task	EFM Task Force Closing Plenary		
3:00	Task		Task						
3:30	Force	Force	Force	JOHN 36351011	Force	Force	CIC	only Fiell	ai y
4:00									
4:30									
5:00	Dinner		Dinner			Dinner			
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 At our last meeting in Austin, 802.3ah added three new objectives for copper:

PHY for single pair non-loaded voice grade copper, distance >= 4600m, 0.4mm >= 256kbps

PHY for single pair non-loaded voice grade copper, distance >= 3700m, 0.5mm >= 4mbps

Include an optional specification for combined operation on multiple copper pairs



- During the closing plenary session of 802.3, serious concern was raised about the first of the new objectives, because the data rate was "outside the scope of the 802.3ah PAR"
- In the opinion of your chair, there is no chance of getting 802.3 to change our PAR to accommodate rates below 1 Mbps, and no chance of getting 802.3 to accept the objective without a change to the PAR

- Your chair took an action item to rewrite the copper objectives in order to:
  - Make them more concise and readable
  - B. Remove ambiguities
  - C. Give them a chance of being accepted in 802.3
- Submitted for your consideration:

- A PHY specification for operation over a single pair of non-loaded .5 mm voice grade copper at all distances between 0 and 3700 meters.
- Support *n* discrete data rates between 1 and 50 Mbps per copper pair
- Include an optional specification for combined operation on multiple copper pairs

# **Future meetings**

- 11-14 Mar, 2002, St. Louis, MO IEEE 802 Plenary meeting
- 20-22 May, Edinburgh, UK Hosted by Tality
- 8-11 Jul, 2002, Vancouver, BC IEEE 802 Plenary meeting
- We need a host for a September, 2002 meeting!