
IEEE 802.3ah
Ethernet in the First Mile
Task Force
Report to 802.3

Albuquerque Convention Center

10-November-2003

Ethernet in the First Mile
IEEE 802.3ah Task Force

Agenda

- **Reflector and WWW site**
- **Working Group ballot results**
- **Report from Portonovo interim meeting**
- **Working Group recirculation ballot results**
- **IEEE standards process**
- **Joining the sponsor ballot group**
- **Development timeline**
- **Objectives for this meeting**
- **Reviewing D2.1**
- **Liaison letter(s)**
- **Plan for the week**
- **Future meetings**

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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 email reflector policy is described at:

<http://www.ieee802.org/3/efm/reflector.html>



Reflector and web

- Our web site is located at:

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

- Our private web site is located at:

<http://www.ieee802.org/3/efm/private>

username:

password:

**This is where we keep draft documents, and
where a set of ITU-T recommendations and drafts is stored**

Do NOT distribute this URL, username and password

Do NOT copy or distribute the documents on this site

**Ethernet in the First Mile
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WG ballot results

- D2.0 Ballot opened 28-July, closed 3-Sept

	Initial ballot			post com. res.		
	#	%	stat	#	%	stat
WG Voters	211			211		
Ballots returned	112	53	OK	112	53	OK
Approve	77	73	FAIL	94	89	OK
Disapprove	29			12		
Abstain	6	5	OK	6	5	OK



Report from Portonovo

- **4 day meeting - Sept 15-18 - hosted by Aethra - Bellisima!**
- **~70 attendees**
- **Reviewed P802.3ah/D2.0**
- **Responded to 1268 comments**
 - **General: Modify document structure**
 - **P2MP: Use CSMA/CD MAC**
 - **Copper: Remove 8 kHz tone spacing, add PCS loss of sync signaling**
 - **OAM: Clarify use of OUI**
 - **Optics: confirm optical parameters**
- **78 TR comments not resolved to satisfaction of balloter**
- **Issued recirculation ballot on D2.1**



Document restructuring

- **Avoid changing IEEE Std 802.3**
- **Clause 24, 36, 46: changes to allow transmission of OAMPDUs on “one way” links**
 - **Consolidate in Clause 66: Extensions of the 10 Gigabit RS, 100BASE-X PCS, and 1000BASE-X PCS for OAM, which incorporates 24, 36, 46 by reference, in the style of Clause 26**
 - **Renumber current 66/66A to 67/67A**

Document restructuring

- **Clause 4: changes to ifsStretch for FEC**
 - Eliminate by using a different rate adaptation method that leaves Clause 4 alone
- **Clause 35, 36: changes to support FEC and burst mode operation**
 - already consolidated in Clause 65
 - change references from Clause 36 PCS to Clause 66 PCS



Document restructuring

- **Areas where change to base standard is unavoidable:**
 - **Additions to Clause 1 definitions, abbreviations, references**
 - **Style manual constraint**
 - **Change to Clause 22 management registers**
 - **Allow access to Clause 45 registers**
 - Not unique to EFM, “service to humanity”
 - **Support for OAMPDU transmission on “one way” links**
 - No other method for assigning these bits
 - **Assign identifiers administered by 802.3**
 - **Annex 43B; slow protocols, Annex 31A; MAC Control opcodes**
 - **No other method for assignment**
 - **Changes related to management**
 - **Clause 30, Annex 30A, Annex 30B, Clause 45**
 - **802.3 management is monolithic**

Motion from Portonovo

- **Adopt as the response to comments 952, 837, 1167:**

Direct the editors to implement the changes described on slides 8, 10 of frazier_1_0903.pdf

M: Diab

S: Squire

all Y 30 N 0 A 1

dot3 Y 26 N 0 A 3

Recirculation ballot results

- D2.1 Ballot opened 6-Oct, closed 3-Nov

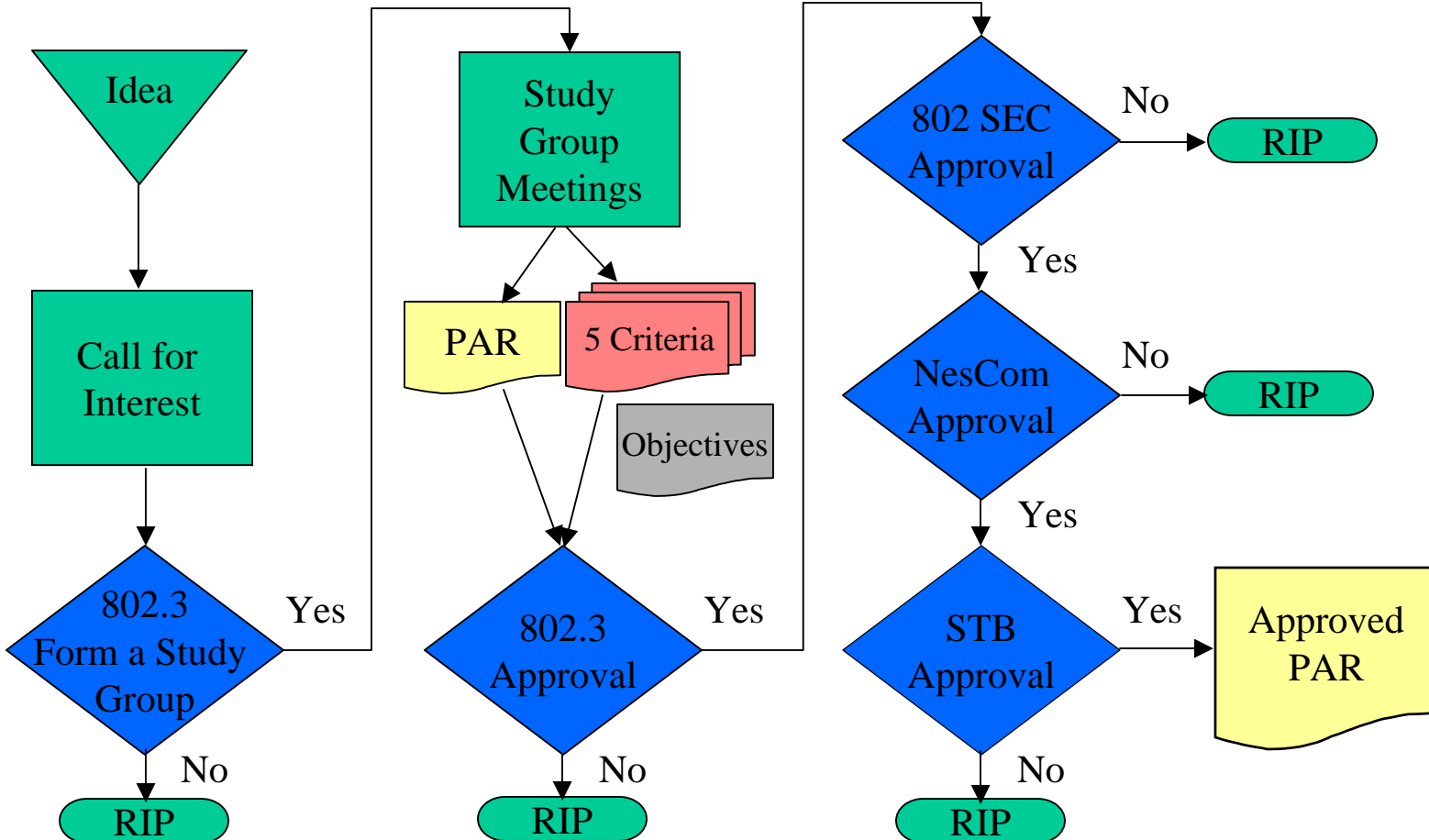
	Initial ballot			post com. res.			Recirc ballot		
	#	%	stat	#	%	stat	#	%	stat
WG Voters	211			211			211		
Ballots returned	112	53	OK	112	53	OK	116	55	OK
Approve	77	73	FAIL	94	89	OK	89	81	OK
Disapprove	29			12			21		
Abstain	6	5	OK	6	5	OK	6	5	OK

Recirculation ballot results

- **561 new comments received**
 - 80 Technical Required
 - 208 Technical
 - 273 Editorial
- **9 additional D2.0 TR responses were accepted by the balloter - 69 unresolved TRs remain from D2.0**

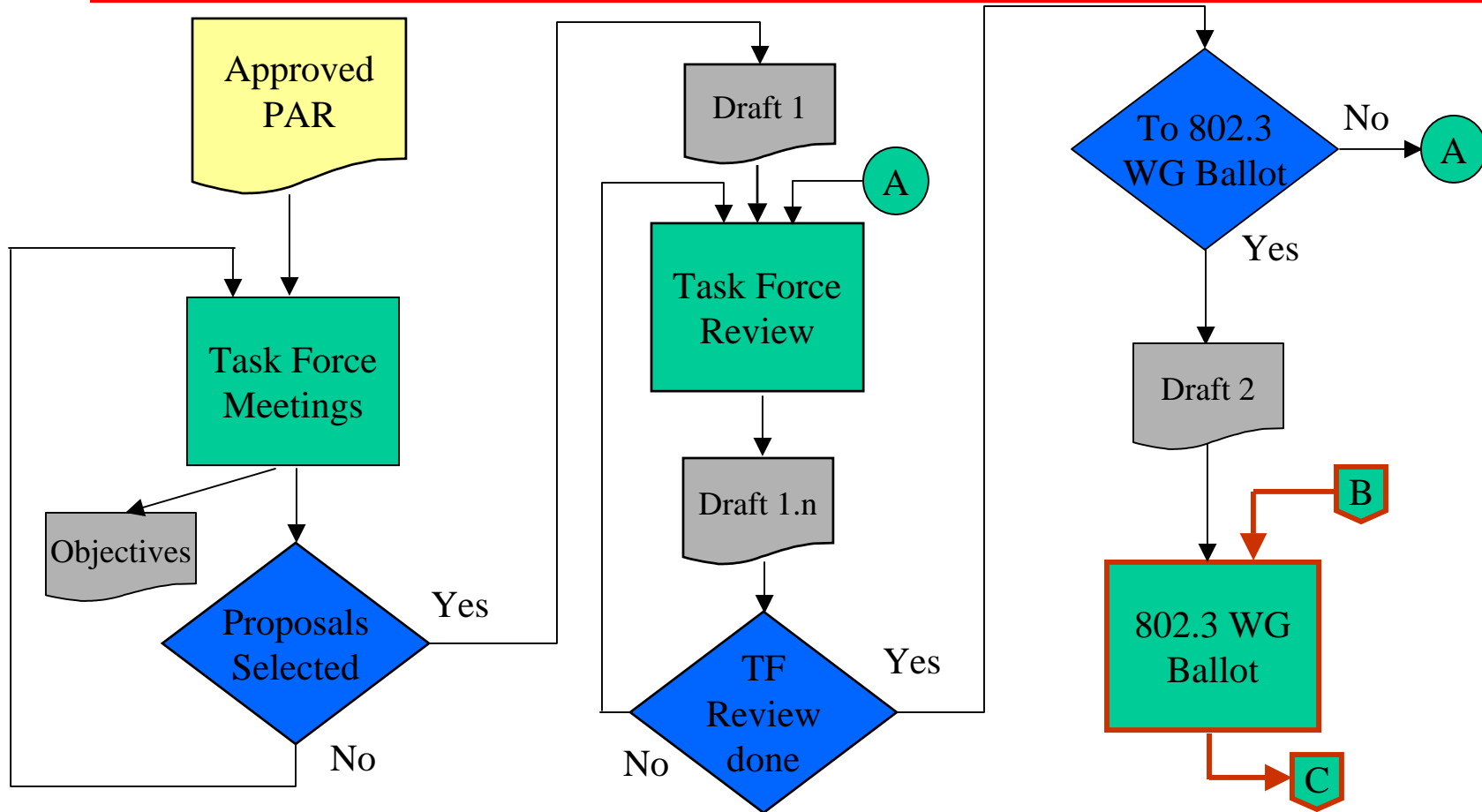


IEEE standards process



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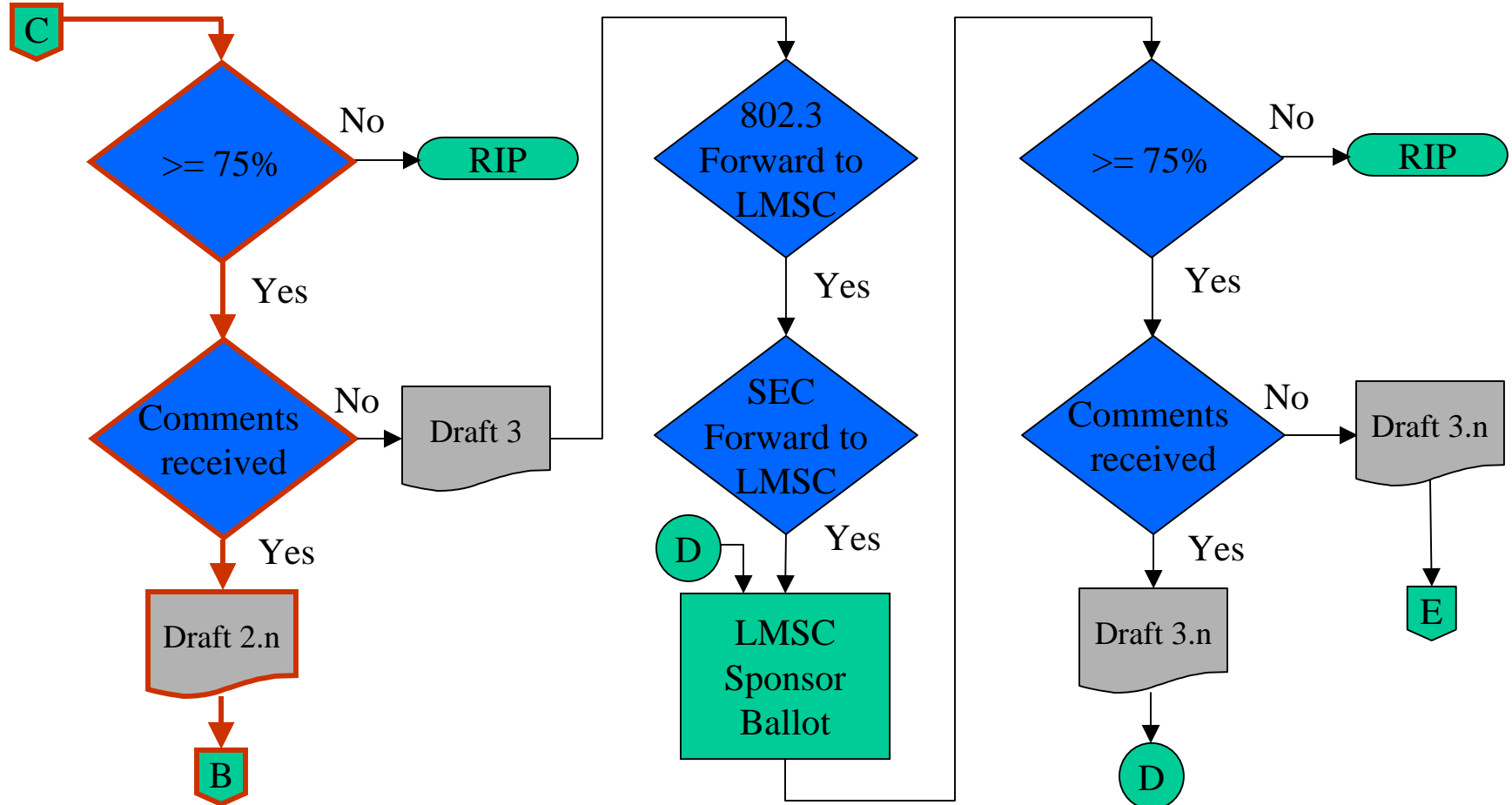
IEEE standards process



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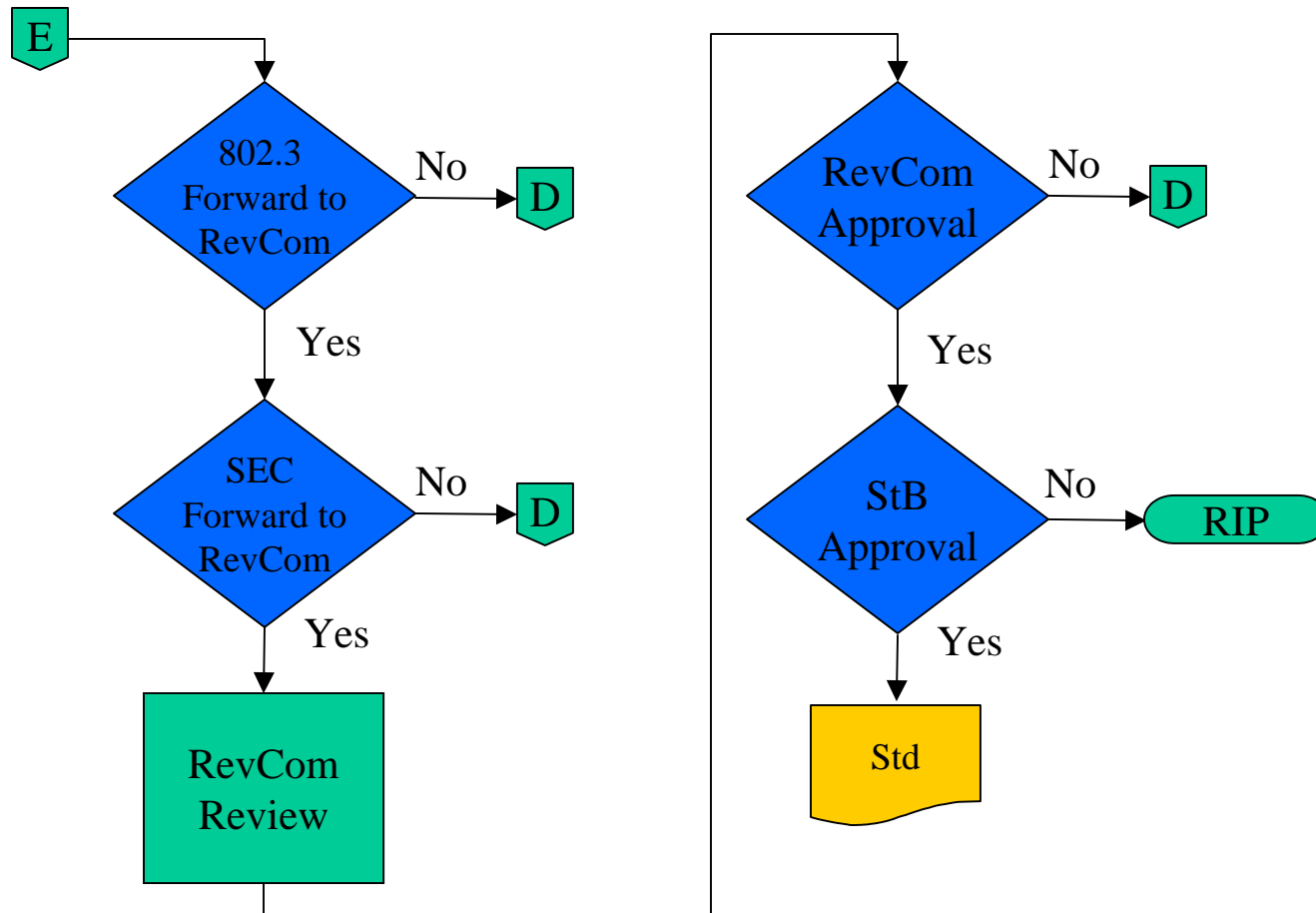


IEEE standards process



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IEEE standards process



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Joining the sponsor ballot group

- To join the sponsor balloting group for IEEE Draft P802.3ah/D3.0, surf to:

<http://standards.ieee.org/cgi-bin/bsignup/0000650>

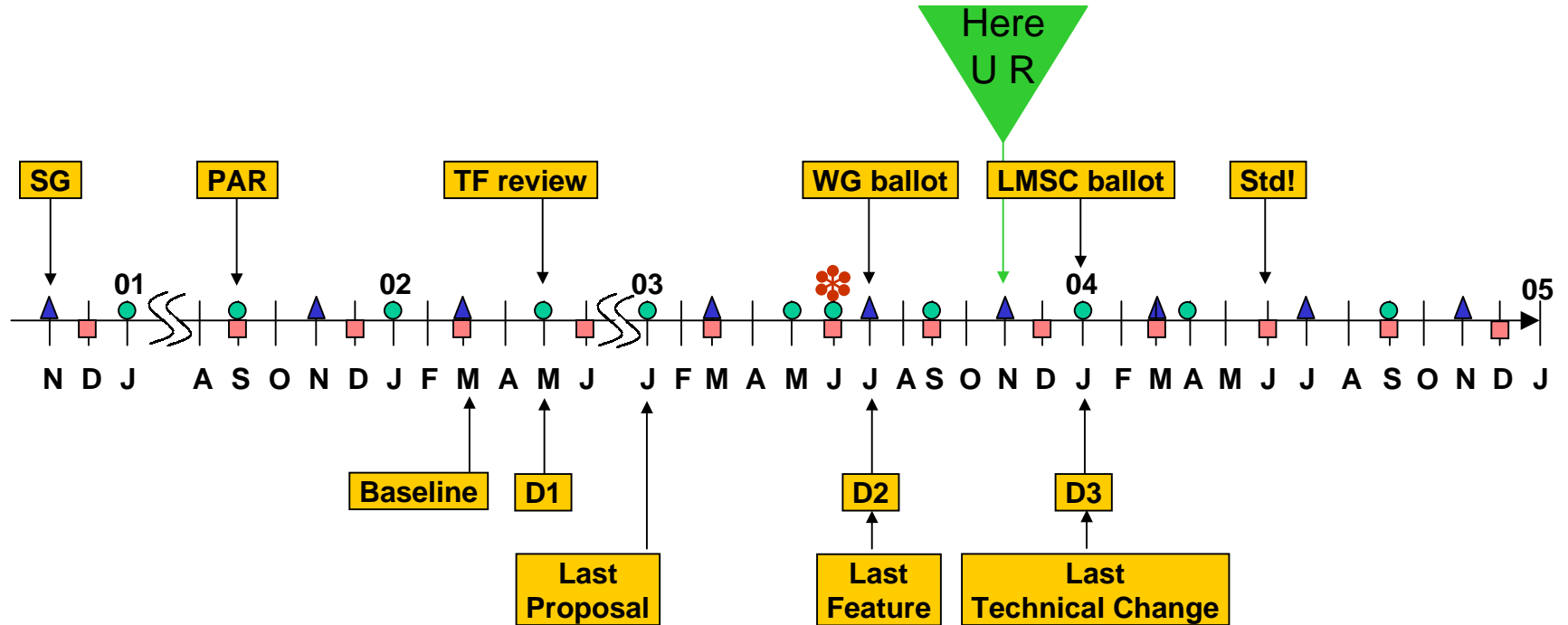
- Invitation closes 24-November-2003
- You must either be a member of the IEEE-SA, or pay a balloting fee







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Adopted timeline



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

Adopted by IEEE 802.3 13-March-2003



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



Objectives for this meeting

- **Prepare responses for all new comments**
- **Prepare D2.2 recirculation package**
- **Seek conditional approval for sponsor ballot**



Reviewing draft D2.1

- **Our editors have produced P802.3ah/D2.1, using D2.0 plus the comments that we resolved in Portonovo**
- **We must prepare a response to each of the 561 new comments received during the recirculation**
- **We must be very careful about making changes**
 - Remember, the document stands approved in its current form
 - If it ain't broken, don't fix it

Liaison letter(s)

- None received



Plan for the week

	MON	TUE	WED	THU
8:00				
8:30				
9:00				
9:30		P2MP Ruidoso	P2MP Ruidoso	IEEE 802.3ah EFM Task Force Closing Session San Miguel
10:00		Optics Tijeras	Optics Tijeras	
10:30		OAM Pecos	OAM Pecos	
11:00		Copper San Miguel	Copper San Miguel	
11:30				
12:00	Lunch break	Lunch break	Lunch break	Lunch break
12:30				
1:00	IEEE 802.3 CSMA/CD WG Opening Plenary Ballroom A	P2MP Ruidoso	P2MP Ruidoso	IEEE 802.3 CSMA/CD WG Closing Plenary Ballroom A
1:30		Optics Tijeras	Optics Tijeras	
2:00		OAM Pecos	OAM Pecos	
2:30		Copper San Miguel	Copper San Miguel	
3:00				
3:30				
4:00				
4:30				
5:00				
5:30				
6:00	Dinner break	Dinner break	Dinner break	Dinner break
6:30				
7:00	10GBASE-T Tutorial	CFI - 10G on Multi-mode fiber		Social
7:30		CFI - Backplane Ethernet		
8:00	EMS Tutorial	CFI - 2.5 G		
8:30				
9:00				
9:30				



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Future meetings

- **12-15 Jan, 2004, Vancouver, BC - IEEE 802 Interim
Fairmont Hotel Vancouver**
- **15-18 Mar, 2004, Orlando, FL - IEEE 802 Plenary
Hilton Hotel at Walt Disney World**
- ***Need host for an April, 2004 interim meeting***