
IEEE 802.3ah

Ethernet in the First Mile

Task Force

Agenda and General Information

Fairmont Hotel Vancouver
Vancouver, BC
12-January-2004



Ethernet in the First Mile
IEEE 802.3ah Task Force



Agenda - Monday

- **Welcome and introductions**
- **Objectives for this meeting**
- **Reflector and WWW site**
- **Call for Patents**
- **WG ballot results**
- **Sponsor ballot results**
- **IEEE standards process**
- **Development schedule**
- **Sub task force reports**
- **Reviewing D3.0**
- **Liaison letter(s)**
- **Plan for the week**
- **Future meetings**

IEEE 802.3ah Officers

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- Vipul Bhatt, Optics Chair, *vipul_bhatt@ieee.org*
- Matt Squire, OAM Chair, *mattsquire@acm.org*
- Barry O'Mahony, Copper Chair, *barry.omahony@intel.com*
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- 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

Objectives for this meeting

- Respond to and close all comments
- Authorize the creation of IEEE Draft P802.3ah/D3.1



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 our 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



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IEEE-SA Standards Board Bylaws on Patents in Standards

6. Patents

IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of 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 without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination

This assurance shall apply, at a minimum, from the date of the standard's approval to the date of the standard's withdrawal and is irrevocable during that period.



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Inappropriate Topics for IEEE WG Meetings

- Don't discuss licensing terms or conditions
- Don't discuss product pricing, territorial restrictions or market share
- Don't discuss ongoing litigation or threatened litigation
- Don't be silent if inappropriate topics are discussed... do formally object.

**If you have questions,
contact the IEEE Patent Committee Administrator
at patcom@ieee.org**



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Approved by IEEE-SA Standards Board – December 2002

WG ballot results

- D2.2 ballot opened 18-Nov, closed 3-Dec

	Initial ballot			post com. res.			Recirc ballot			post com. res.			2nd Recirc ballot		
	#	%	stat	#	%	stat	#	%	stat	#	%	stat	#	%	stat
WG Voters	211			211			211			211			211		
Ballots ret.	112	53	OK	112	53	OK	116	55	OK	116	55	OK	126	60	OK
Approve	77	73	FAIL	94	89	OK	89	81	OK	92	84	OK	101	85	OK
Disapprove	29			12			21			18			18		
Abstain	6	5	OK	6	5	OK	6	5	OK	6	5	OK	7	6	OK



WG ballot results

- IEEE LMSC SEC voted 10-1-0 to grant conditional approval to proceed to sponsor ballot, pending successful completion of D2.2 WG recirculation
- D2.2 WG recirculation ballot closed with:
 - 85% approval
 - no new negative comments
 - no substantive changes to the document
- Having met the conditional approval requirements, an LMSC sponsor ballot was issued on P802.3ah/D3.0

Sponsor ballot results

- D3.0 ballot opened 5-Dec, closed 5-Jan

Initial ballot			
	#	%	stat
Ballots sent	99		
Ballots ret.	80	80	OK
Approve	54	73	FAIL
Disapprove	20		
Abstain	6	8	OK

These “unofficial” results do not match the results reported by the IEEE-SA balloting center

Balloting center incorrectly reports 100 ballots sent because one balloter’s name is duplicated

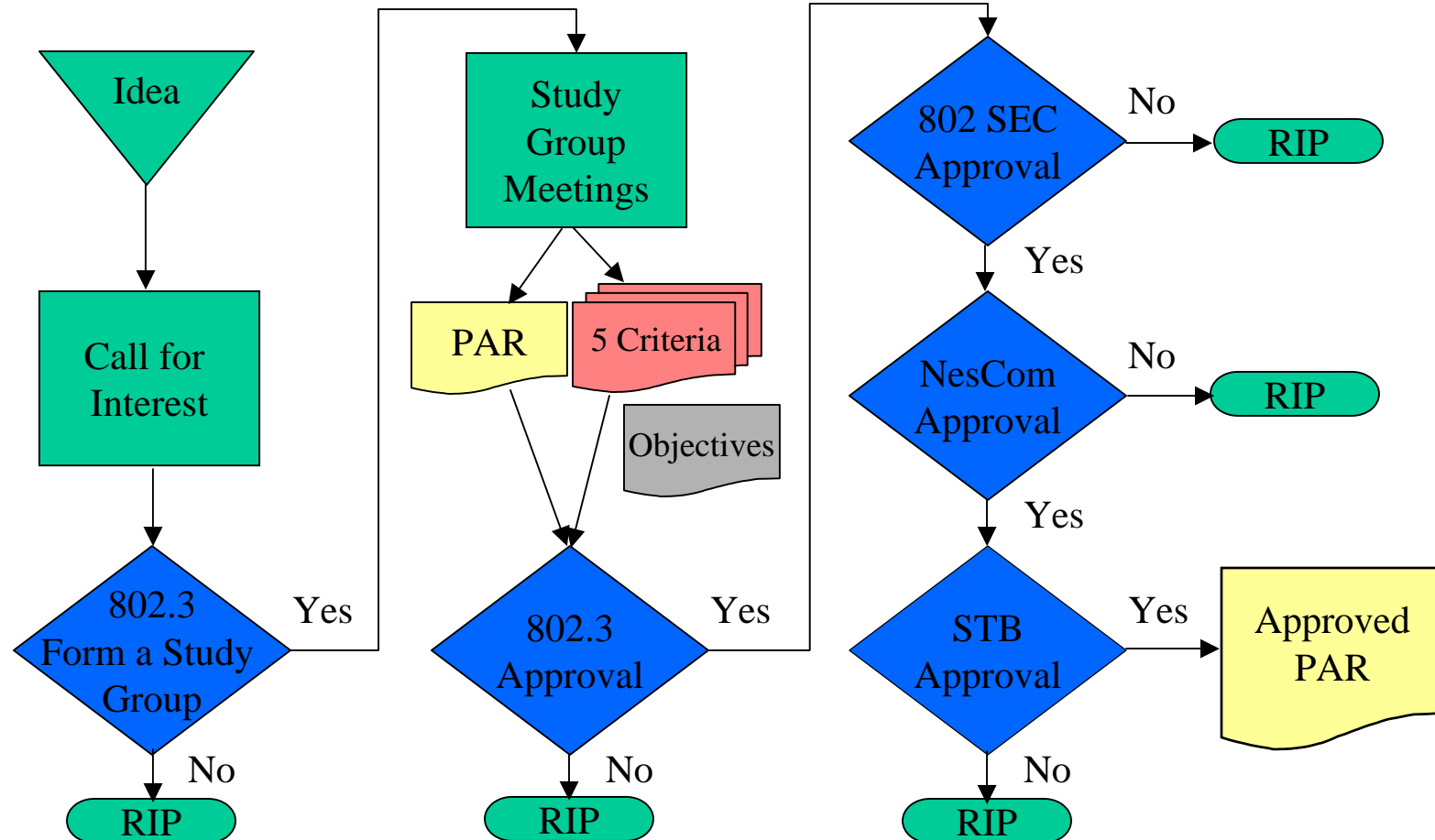
Balloting center counts only 16 “Disapproves” because they think 4 of the negative balloters did not submit comments

These errors have been painstakingly researched and patiently communicated to the balloting center, to no avail

Thus, the balloting center thinks the ballot passed with 77% approval

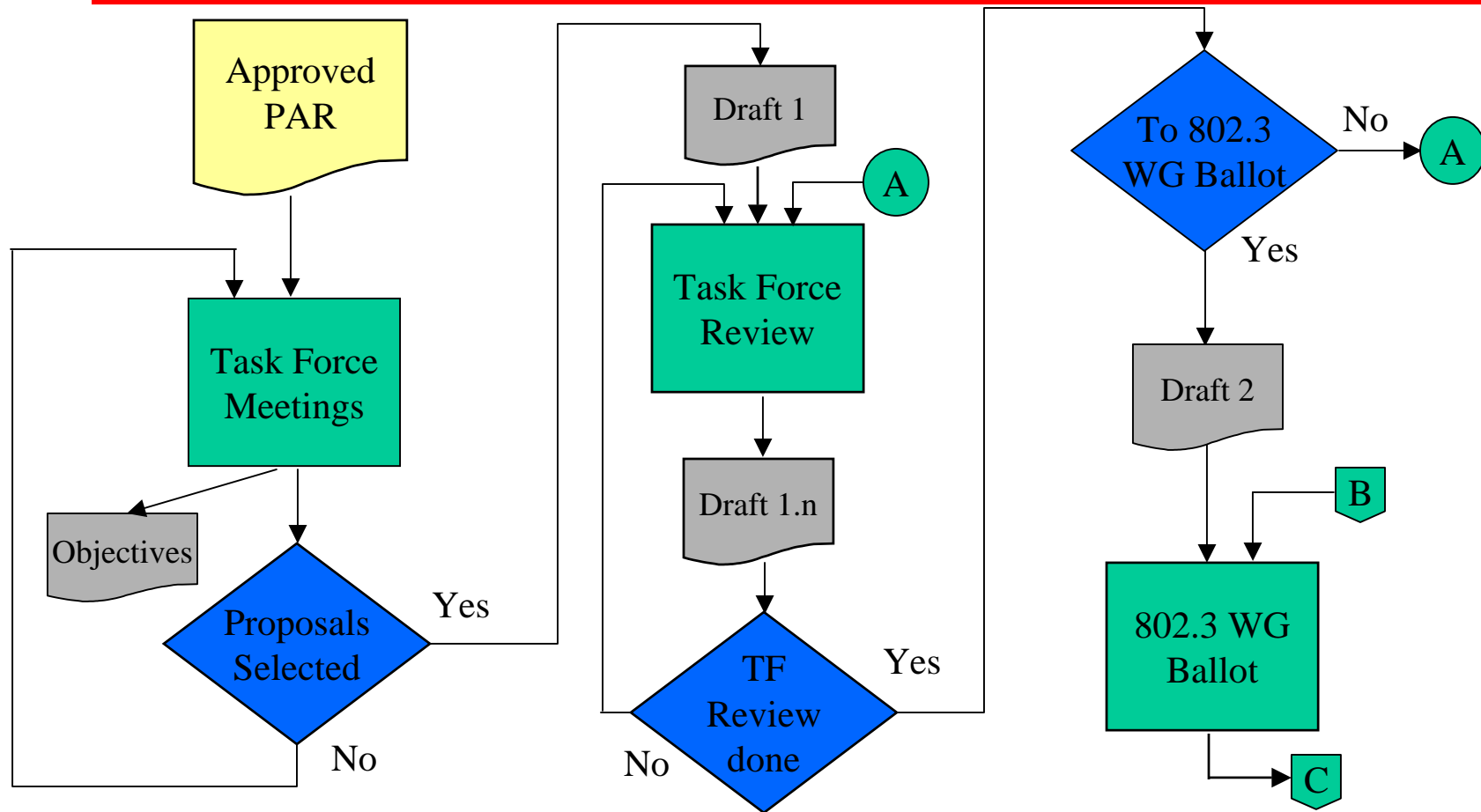


IEEE standards process



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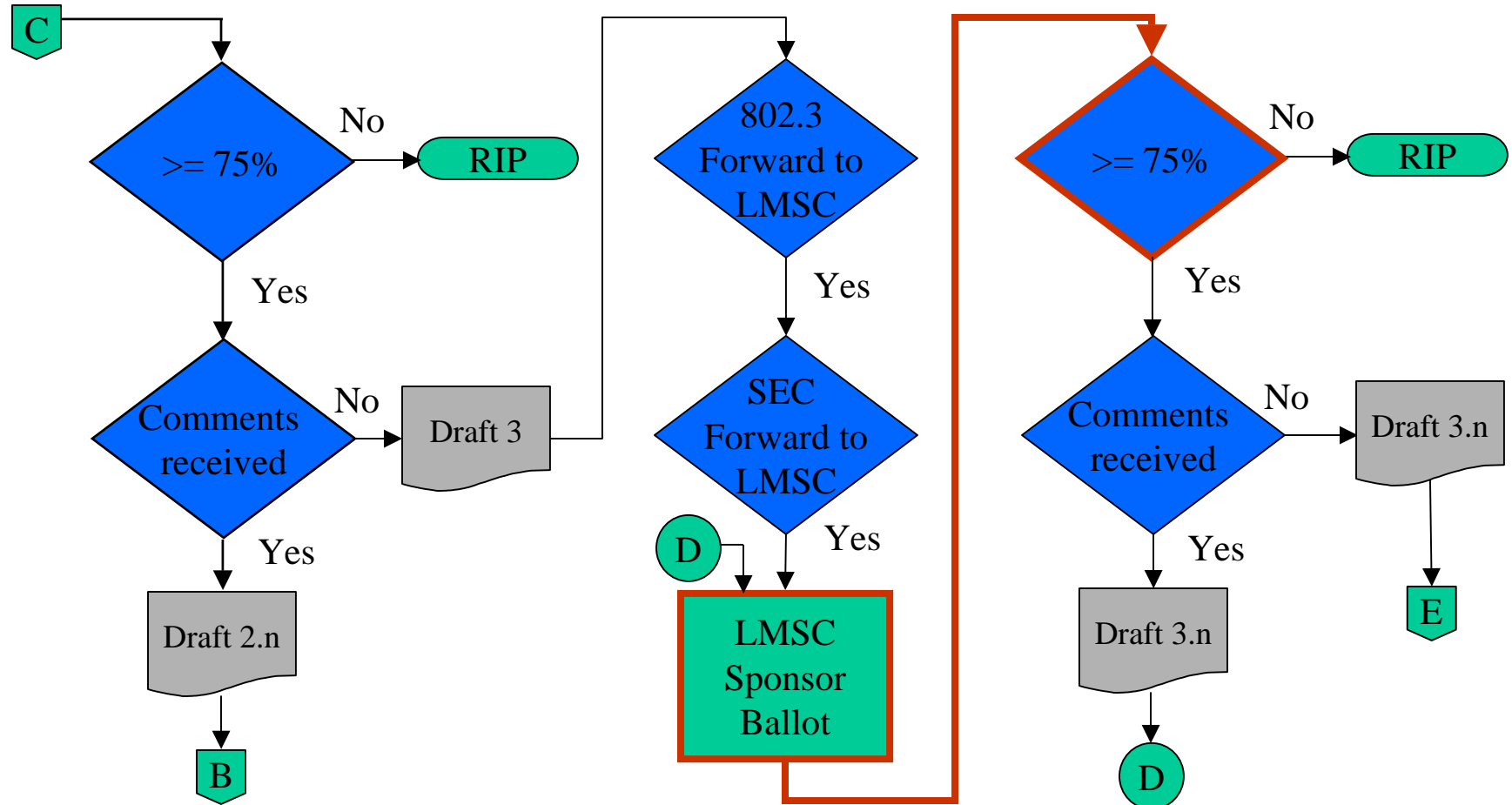
IEEE standards process



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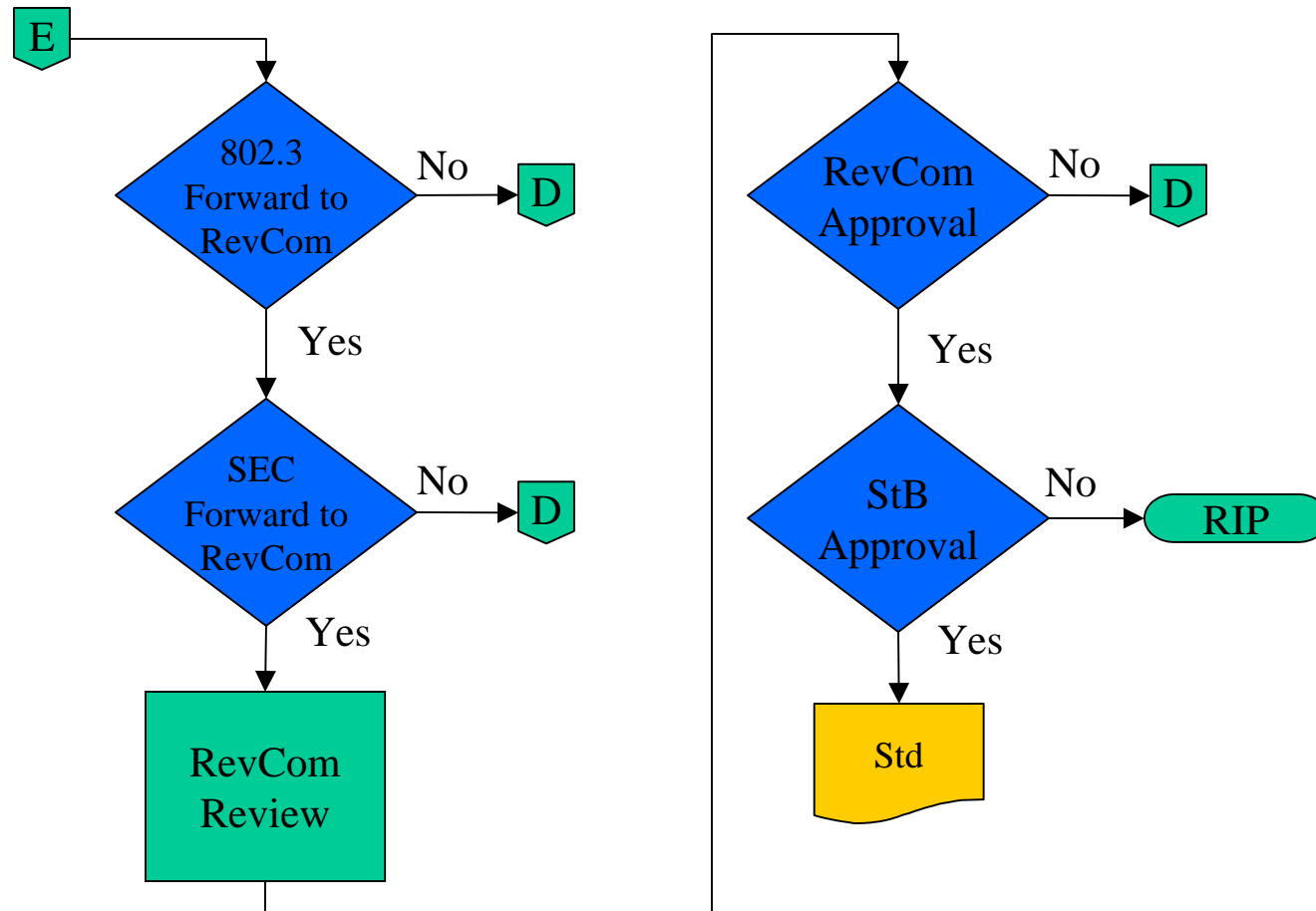


IEEE standards process



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IEEE standards process



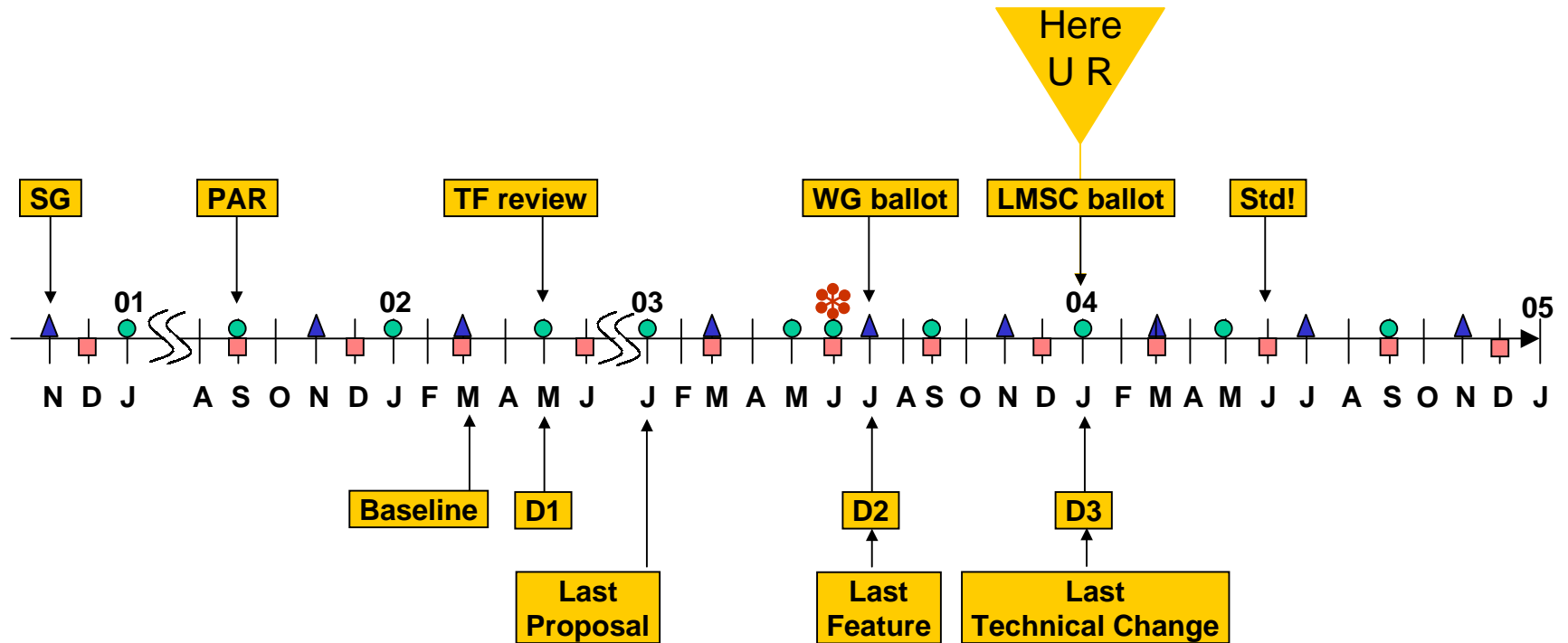
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Development schedule

- **We will stay on track IFF:**
 - **We consider and respond to all of our comments at this meeting**
 - **We achieve $\geq 75\%$ approval after resolving comments**



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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Reviewing draft D3.0

- **Our editors produced IEEE P802.3ah/D3.0, using D2.2, with editorial cleanup**
- **We received 973 comments on D3.0**
 - 152 Technical Required
 - 317 Technical
 - 504 Editorial
- **We must consider and respond to each comment**



Reviewing draft D3.0

- **We do not have to accept every comment**
- **We can reject comments if they require changes that are undesirable or incorrect**
- **Every “TR” comment that is rejected must be rebutted and recirculated to the ballot group**

Reviewing draft D3.0

- **All changes to the draft must be recirculated to the ballot group**
- **Changes to the draft are “fair game” for new disapprove ballots during a recirculation**
- **Rejected and rebutted comments are “fair game” for disapprove ballots during a recirculation**

Reviewing draft D3.0

- We must reduce the number of disapprove ballots
- We must reduce the number of unresolved “TR” comments
- This is the last chance to improve the draft

Liaison letters

- None received



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Plan for the week

	MON				TUE				WED				THU											
8:00	802.3ah EFM Task Force Opening Session Waddington				P2MP (EPON) Tweeds muir	OAM Galiano Is	Optics Cortes Is	Copper Gabriola Is	P2MP (EPON) Tweeds muir	Optics Cortes Is	Copper + OAM Galiano Is	E-in-C Gabriola Is	P2MP (EPON) Tweeds muir	Optics Cortes Is	OAM Galiano Is	Copper Gabriola Is								
8:30					P2MP + OAM Galiano												Optics + OAM Galiano Is	Copper Gabriola Is						
9:00									Lunch (provided)				Lunch (provided)											
9:30																								
10:00																								
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12:00	Lunch (provided)				Lunch (provided)				Lunch (provided)															
12:30																								
1:00	P2MP (EPON) Tweeds muir	Optics Cortes Is	OAM Galiano Is	Copper Gabriola Is	P2MP (EPON) Tweeds muir	Optics Cortes Is	OAM Galiano Is	Copper Gabriola Is	P2MP (EPON) Tweeds muir	Optics Cortes Is	OAM Galiano Is	Copper Gabriola Is	802.3ah EFM Task Force Closing Session Pacific Ballroom											
1:30																	Dinner break				Dinner break			
2:00																								
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6:00	Dinner break				Dinner break				Social Reception Pacific Ballroom															
6:30																								
7:00																								
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8:00																								
8:30																								
9:00																								
9:30																								



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Future meetings

- 15-18 Mar, 2004, Orlando, Florida - IEEE 802 Plenary
- *Need host for April interim meeting*
- *The, ah ... The, ah ... The, ah ... That's all folks!*