

**10GBASE-LRM  
CLOSING REPORT TO IEEE 802.3**

**15 – 17 MARCH 2005**

**Task Force Chair: David Cunningham**

## 10GBASE-LRM MARCH 2005

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- **Reflector and Web details**
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- **Motion: Request for WG Ballot**

# IEEE 802.3aq Officers

- Task Force Chair: [David Cunningham](#)
- Editor: [Nick Weiner](#)
- Web Master: [Piers Dawe](#)
  
- Channel Ad hoc Chair: [Ian White](#)
  - Task 1 (OM1, OM2, OM3 & connectors) leader: [Richard Penty](#)
  - Task 2 (Time variation of channel & MN): [Jonathan King](#)
  - Task 3 (Input-output parameters) leader: [Lars Thon](#)
  - Task 4 (Launch & Mode Filtering) leader: [Yu Sun](#)
  - Task 5 (Validation) leader: [Nick Weiner](#)
  
- TP2 weekly call leader: [Tom Lindsay](#)
- TP3 weekly call leader: [Jim McVey](#)

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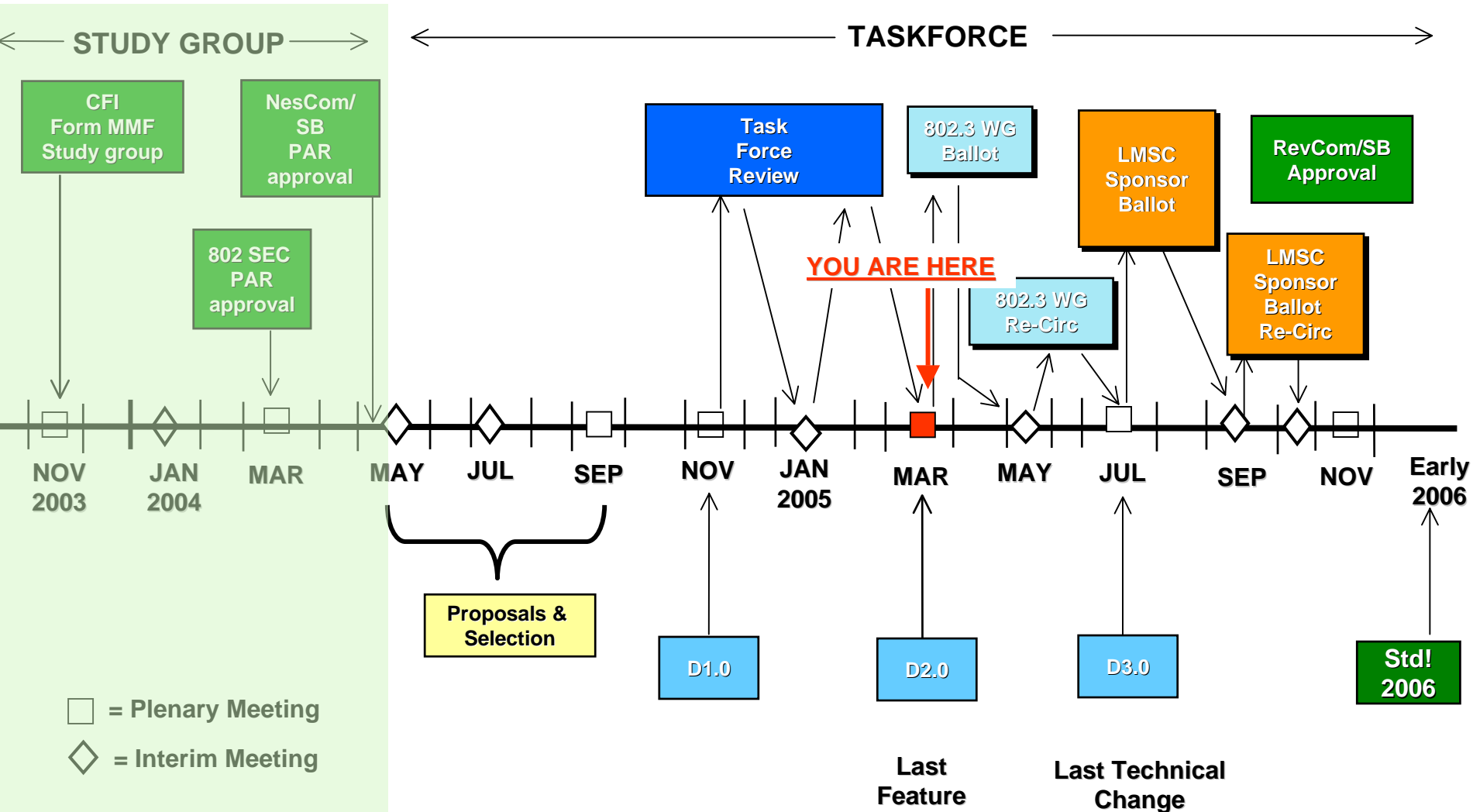
10GBASE-LRM web page URL:

- <http://ieee802.org/3/aq>

# 10GBASE-LRM OBJECTIVES

- **Use the existing 10GBASE-R PCS**
- **Support a BER of better than or equal to  $10^{-12}$**
- **Support fiber media selected from IEC 60793-2-10: 2003**
- 62.5 $\mu$ m
  - 160/500 MHz-km (A1b, 60793-2-10:2003)
  - 200/500 MHz-km (A1b, 60793-2-10:2003)
- 50 $\mu$ m
  - 500/500 MHz-km (A1a.1, 60793-2-10:2003)
  - 400/400 MHz-km (A1a.1, 60793-2-10:2003)
  - 1500/500 MHz-km (A1a.2, 60793-2-10:2003)
- **Provide a Physical Layer specification which supports link distances of:**
  - at least 220m on installed 500MHz.km multimode fiber
  - at least 300m on selected multimode fiber

# 10GBASE-LRM TIMELINE



IEEE 802.3aq TASK FORCE, ATLANTA, GEORGIA 15 - 17 MARCH 2005

# ACHIEVEMENTS THIS MEETING

- **Reviewed Comments on D1.1:**
  - Adopted *changes per comments to D1.1.*
  - *Reviewed rejected/withdrawn comments, understood issues and started planning for resolution of comments that are likely to re-emerge in Working Group Ballot.*
- **Directed TF Chair to request IEEE 802.3 Working Group Ballot of D1.2(D2.0)**

## TF Technical

**10GBASE-LRM accepts D1.2/D2.0 per comment review and motions at this meeting.**

Moved: Nick Weiner

Second: Piers Dawe

Among those present:

Y: 28    N:0    A: 4

Among 802.3 voters:

Y: 16    N:0    A: 4



## TF Technical

***Motion to request that the IEEE 802.3 Working Group:  
Submit IEEE Draft P802.3aq/D2.0 for 802.3 Working Group Ballot, and  
authorize the IEEE 802.3aq 10GBASE-LRM Task Force to respond to  
ballot comments and conduct re-circulations as necessary.***

Moved: Nick Weiner

Second: John Jaeger

Among those present:

Y: 31    N: 4    A: 3

Among 802.3 voters:

Y:15    N: 4    A: 3

# Draft WG Ballot, Recirculation & Potential June Interim Dates

- Start Ballot: 24<sup>th</sup> March05
- End around: 30<sup>th</sup> April
- Comment resolution: Austin 17-19<sup>th</sup> May
- 1<sup>st</sup> Recirculation: Target 23 May – 8<sup>th</sup> June, Potential LRM only Interim: Week of June 13<sup>th</sup>
- 2<sup>nd</sup> Recirculation: 24<sup>th</sup> June – 11<sup>th</sup> July OR Continue comment resolution.
- Plenary Meeting week of 18<sup>th</sup> July.

## TF Procedural Motion

Motion to direct Chair to use the draft timeline per this slide as the basis of planning Ballots, recirculation and interim meetings until the next IEEE 802.3 Plenary.

Moved: Mike Dudek

Seconded: Lew Aronson

Y: 37    N: 0    A: 2

## 802.3aq editor's report to 802.3, 17<sup>th</sup> March 2005, Atlanta.

### Draft 1.1 Comments - Summary

#### 802.3aq Task Force comments

	Submitted	withdrawn	accepted	rejected
TR	36	30	2	4
T	92	43	32	17
E	34	3	28	3
Total	162	76	62	24

#### 802.3 Pre-circulation Comments

	Submitted	withdrawn	accepted	rejected
TR	0	0	0	0
T	2	0	2	0
E	23	0	15	8
Total	25	0	17	8

## 802.3aq editor's report to 802.3, 17<sup>th</sup> March 2005, Atlanta.

**Almost all accepted comments can be categorized as clarifications, and resolution of minor inconsistencies.**

### **Those that may be considered (a little) substantive:**

- Page 18 (of difference document), line 15 (Complete link BER spec);
- Page 19, line 42 (Refinement to definition of OMA for Tx test);
- Page 22, line 25 (Transmitter jitter test patterns);
- Page 24, line 30 (Figure for refinement to definition of OMA);
- Page 27, line 45; Page 28 lines 4, 8 , 9 and 13; Page 29 lines 13 to16 (MATLAB code);
- Page 29, line 28 (Refinement to definition of OMA for Rx test);
- Page 38, line 30 (Loss spec includes splices);
- Page 39, lines 15 and 16 (New subclause for connector reflectance)
- Page 39, lines 19 to 22 (New subclause for patch cord specification).

## 802.3 Technical

***Motion to request that the IEEE 802.3 Working Group: Submit IEEE Draft P802.3aq/D2.0 for 802.3 Working Group Ballot, and authorize the IEEE 802.3aq 10GBASE-LRM Task Force to respond to ballot comments and conduct re-circulations as necessary.***

**Moved:**

David Cunningham for the IEEE 802.3aq Taskforce

Y:56 N:4 A:15