

**WELCOME TO THE  
OPENING SESSION OF  
10GBASE-LRM MEETING**

**27– 28 Sept 2004**

**Task Force Chair: David Cunningham**

# AGENDA Sept 2004

- **Opening information**
- **Reminder, goals for the meeting**
- **Agree agenda**

# MOBILE PHONES



**PLEASE SWITCH OFF  
YOUR MOBILE  
PHONES**

**THANK YOU**

# GROUND RULES

**802.3 Rules apply – Foundation based upon Robert's rules of order**

- **Anyone in the room may speak**
- **Anyone in the room may vote**
- **Respect – give it, get it**
- **No product pitches**
- **No corporate pitches**
- **No prices – this includes costs, ASPs, etc. no matter what the Currency**
- **No restrictive notices**

# REFLECTOR AND WEB

There is a reflector set up

To subscribe, use this URL:

- <http://grouper.ieee.org/groups/802/3/aq/reflector.html>

To subscribe via e-mail send this message

- `stds-802-3-10gmmf <yourfirstname> <yourlastname>  
to ListServ@ieee.org`

10GMMF Study Group web page URL:

- <http://grouper.ieee.org/groups/802/3/aq/index.html>

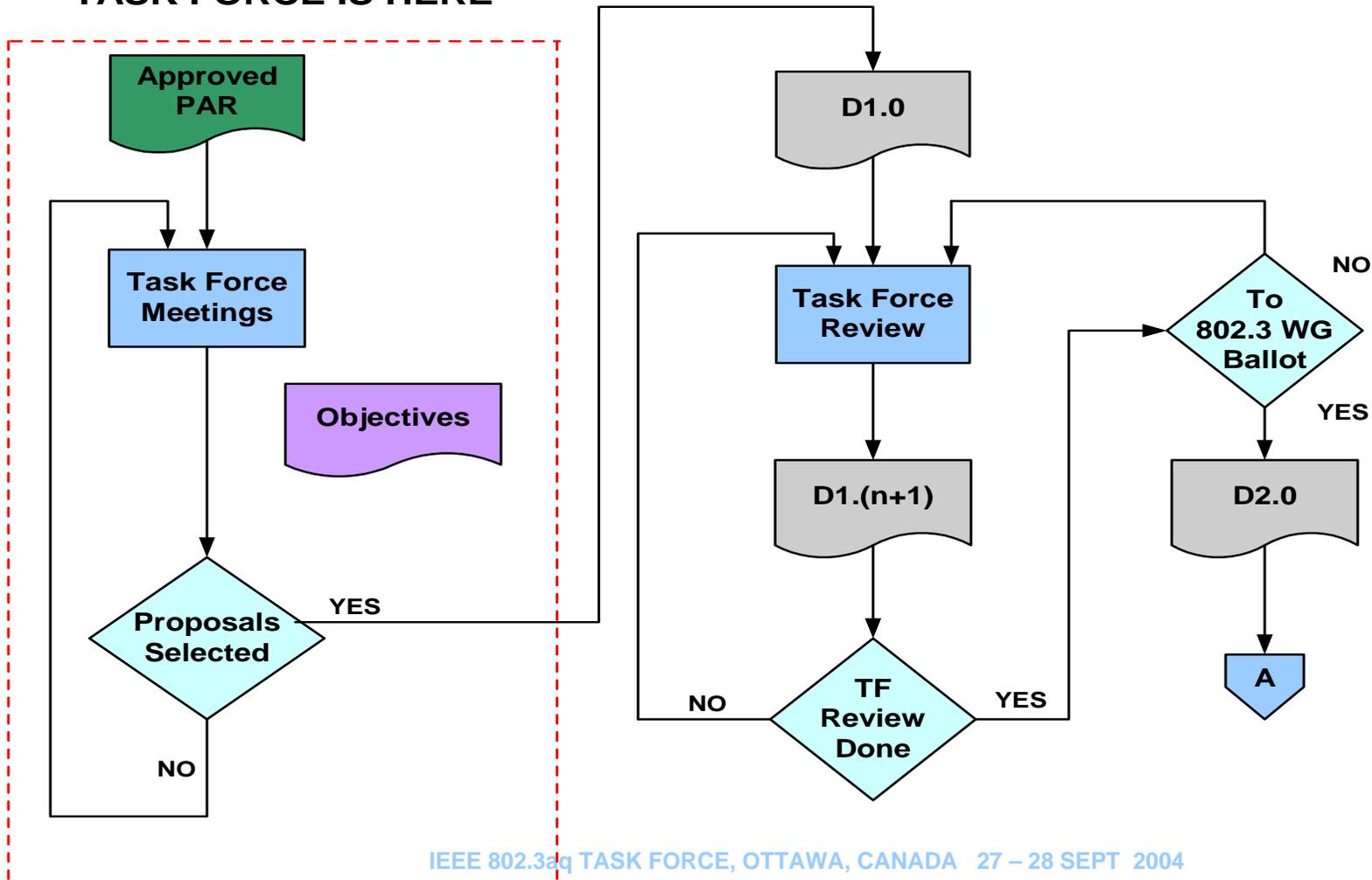
# INAPPROPRIATE TOPICS FOR IEEE TASK FORCE MEETINGS

- **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-SA Standards Board Patent Committee Administrator at [patcom@ieee.org](mailto:patcom@ieee.org) or visit <http://standards.ieee.org/board/pat/index.html>**

# OUR TASK FORCE JOB: IEEE STANDARDS PROCESS

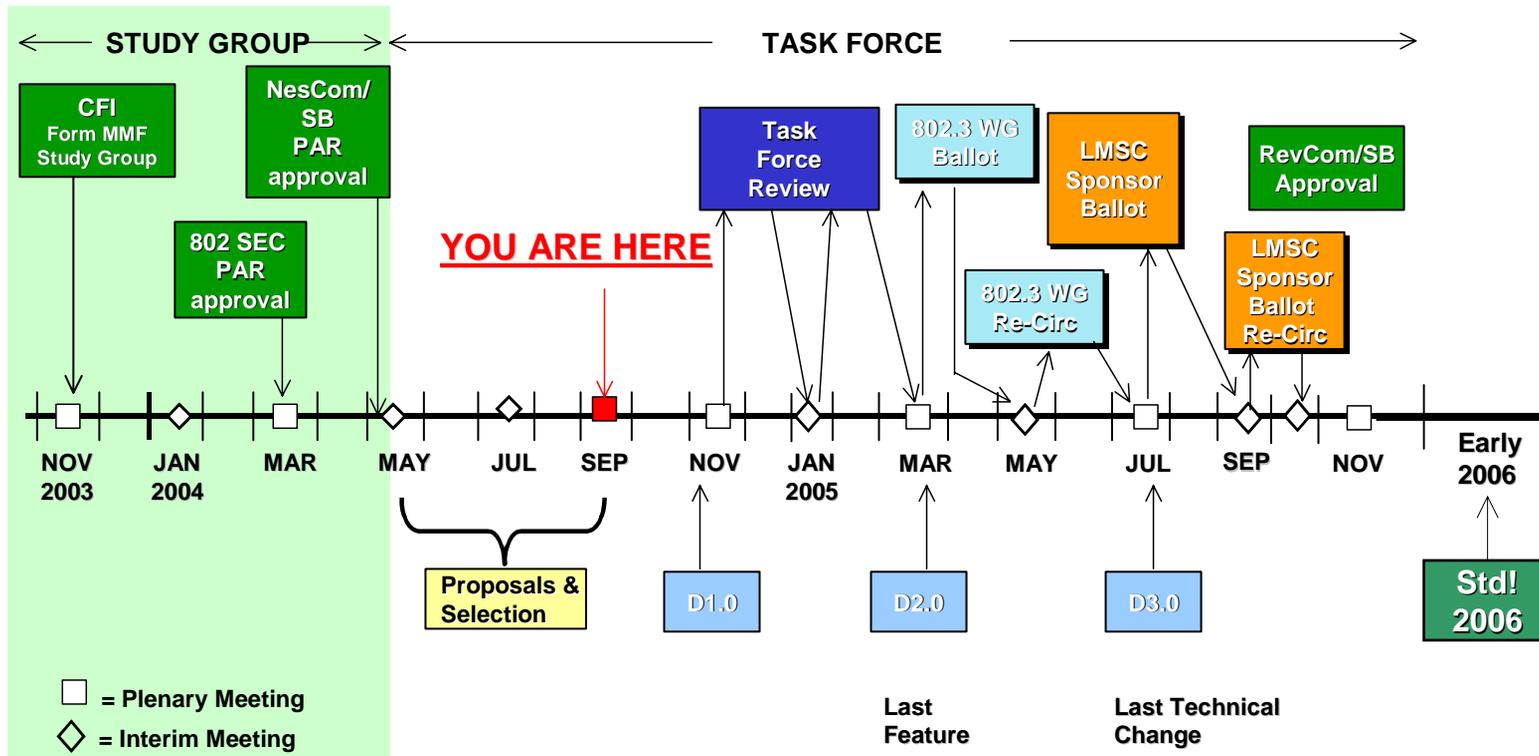
TASK FORCE IS HERE



# 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, PORTLAND, OR, USA 13 – 15 JULY 2004

IEEE 802.3aq TASK FORCE, OTTAWA, CANADA 27 – 28 SEPT 2004

# GOALS FOR THE MEETING

- **To adopt a baseline fiber model for 62/125 FDDI-grade fiber.**
- **To review the baseline draft and associated comments.**
- **To consider contributions proposing corrections or additions to the draft.**
- **To adopt the baseline draft with amendments agreed during the interim meeting.**
- **To direct the editor to prepare an updated baseline draft for the November meeting.**

# Proposed Agenda

10GBASE-LRM : Proposed Agenda				
Monday 27 September 2004				
Presenter	Topic	Length (hours)	Start	Finish
Chair	Opening Session		08:30:00	09:00:00
	Welcome and Introduction			
	Appoint Recording Secretary			
	Goals for the Meeting			
	Reflector and Web			
	Ground Rules			
<b>Channel Ad Hoc</b>				
Ian White	Channel Ad Hoc Report	00:10	09:00:00	09:10
Richard Penty	Task 1: Static channel model	00:40	09:10:00	09:50
Jonathon King	Task 2: Time variation & modal noise	00:15	09:50:00	10:05
John Abbott	FDDI Channel Modeling: Comparison of data sets	00:15	10:05:00	10:20
<b>Break</b>		<b>00:15</b>	<b>10:20:00</b>	<b>10:35</b>
Gary Shaulov	DMD Simulations Based on Scaled/Non-Scaled Index Profiles and Comparison with Cambridge Model Results	00:20	10:35:00	10:55
Yu Sun	Preliminary Results of PIE Metrics Calculations	00:20	10:55:00	11:15
John Ewen	Channel Metric Results for OM3 Fibers at 1300nm	00:15	11:15:00	11:30
<b>TP2</b>				
Tom Lindsay	TP2 Ad Hoc Overview and Status for LRM	00:10	11:30	11:40
Tom Lindsay	TP2 Test and Specification Framework Proposal for LRM	01:00	11:40	12:40
<b>Lunch</b>		<b>01:15</b>	<b>12:40</b>	<b>13:55</b>
Martin Lobel	EDC Performance versus Relaxed Transmitter Specifications	00:30	13:55	14:25
Norm Swenson	Comparison of EDC-Enabled Link Performance Using Measured Waveforms from 2.5G and 10G Lasers	00:30	14:25	14:55
John Ewen	PIE Metrics & Mask Testing	00:20	14:55	15:15
<b>Break</b>		<b>00:15</b>	<b>00:15</b>	<b>00:15</b>
<b>TP3</b>				
Mike Lawton	Report from Conference Calls on TP3 Specification	00:20	15:15	15:35
Petre Popescu	Task 2: TP3 - ISI Generator Block for Stressed Sensitivity Test	00:45	00:00	00:45
Petre Popescu	Task 2: TP3 Temperature Impact on Channel Model	00:30	15:35	16:05
Ben Willcocks	TP3 "3 Impulse" test proposal	00:20	16:05	16:25
<b>General</b>				
Venu Balasubramonian	Feasibility Demonstration Towards 300m and Beyond Over FDDI Grade Fiber for 10GBASE-LRM	00:20	16:05	16:25
Jonathan King	10GBASE-LRM over 300m of FDDI-grade Fiber -Experimental & Simulation Results (Table 68-2)	00:20	16:25	16:45

# Proposed Agenda

10GBASE-LRM				
Tuesday 28 September 2004				
Presenter	Topic	Length (Hours)	Start	Finish
Chair	Opening remarks	00:20	08:30:00	08:50
Tom Waschura	Proposed Functional Additions to Support Receiver Eye Characterisation	00:20	08:50	09:10
All	Adopt Fibre Models	01:00	09:10	10:10
	Comment Review			
	Comment Review	02:20	10:10	12:30
	Lunch	01:15	12:30	13:45
	Closing Plenary and Voting	03:00	13:45	16:45
	Meeting Adjourned			16:45