

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

**14 – 16 JUNE 2005**

# 10GBASE-LRM JUNE 2005

- **IEEE802.3aq Officers**
- **Reflector and Web details**
- **Ground Rules & Standards Process**
- **Project schedule**
- **Goals for this meeting**
- **Plan for this week**

# 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](#)

# REFLECTOR AND WEB

There is a reflector set up

To subscribe, use this URL:

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

To subscribe via e-mail send this message

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

The IEEE 802 web page URL:

<http://ieee802.org/3>

10GBASE-LRM web page URL:

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

# LUNCH

- If you would like to book a table in the hotel restaurant for lunch, please let Karen Hallsworth know at first break.

A lunchtime menu has been placed on the table at the back of the room.

- Also, the hotel would like an estimate of the number of people who will want Dinner at the hotel on Wednesday evening.

# MOBILE PHONES



**PLEASE SWITCH OFF  
YOUR MOBILE  
PHONES**

**THANK YOU**

# GROUND RULES

**802.3 TF 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**

# IEEE-SA STANDARDS BOARD BYLAWS ON PATENTS IN STANDARDS

IEEE standards may include the known use of essential patents and patent applications provided the IEEE receives assurance from the patent holder or applicant with respect to patents whose infringement is, or in the case of patent applications, potential future infringement the applicant asserts will be, unavoidable in a compliant implementation of either mandatory or optional portions of the standard [essential patents]. This assurance shall be provided without coercion and prior to approval of the standard (or reaffirmation when a patent or patent application 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 either mandatory or optional portions of the proposed IEEE standard against any person or entity complying with the standard; or
- b) A statement that a license for such implementation 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.



## INAPPROPRIATE TOPICS FOR IEEE TASK FORCE MEETINGS

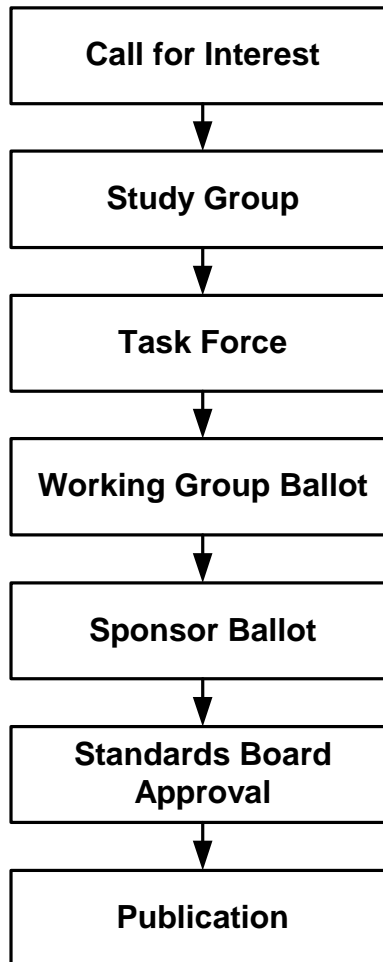
- Don't discuss licensing terms or conditions
- Don't discuss product pricing, territorial restrictions or market share
- Don't discuss ongoing litigation or threatened litigation
- Don't be silent if inappropriate topics are discussed - do formally object.

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>

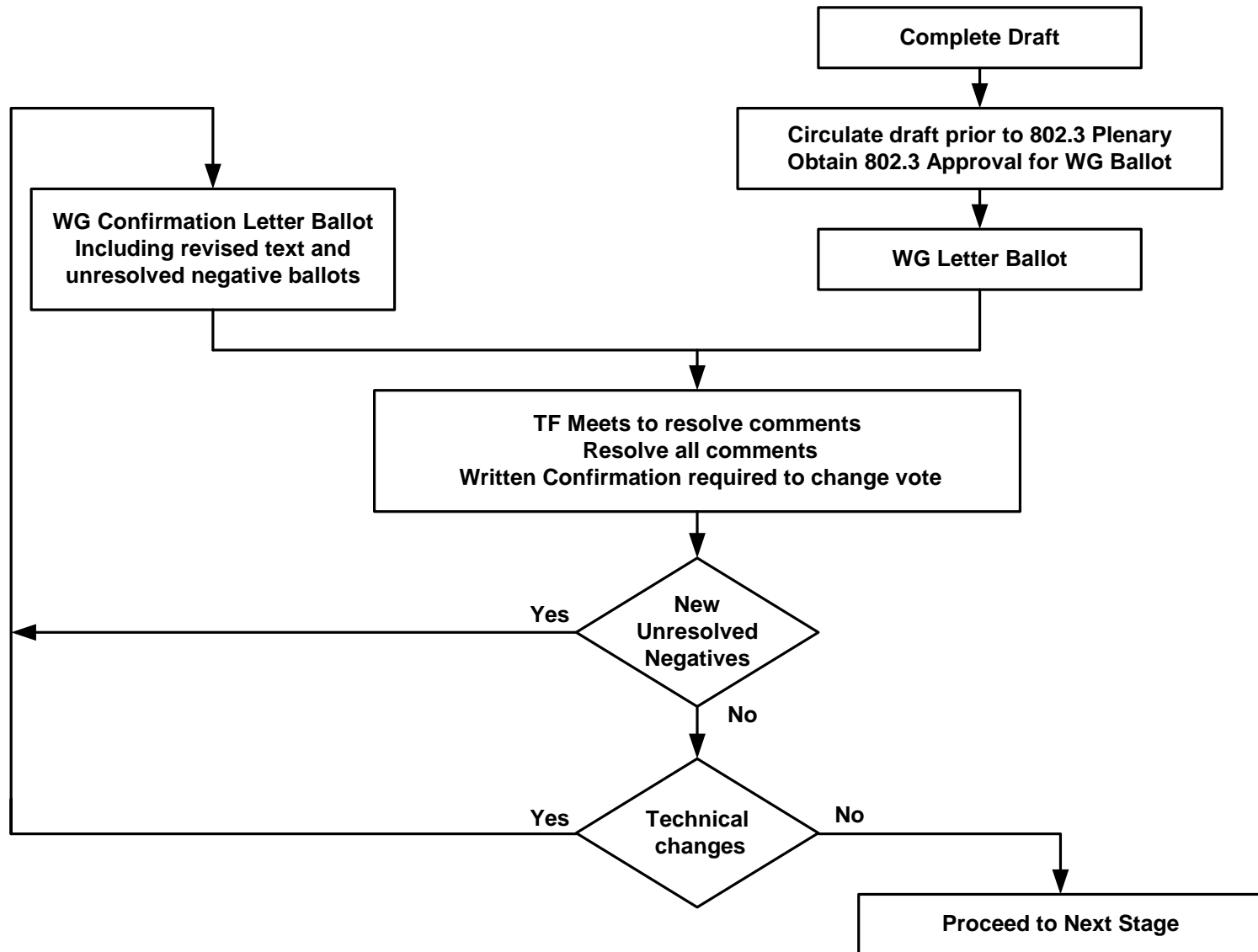
# OBJECTIVES

- **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

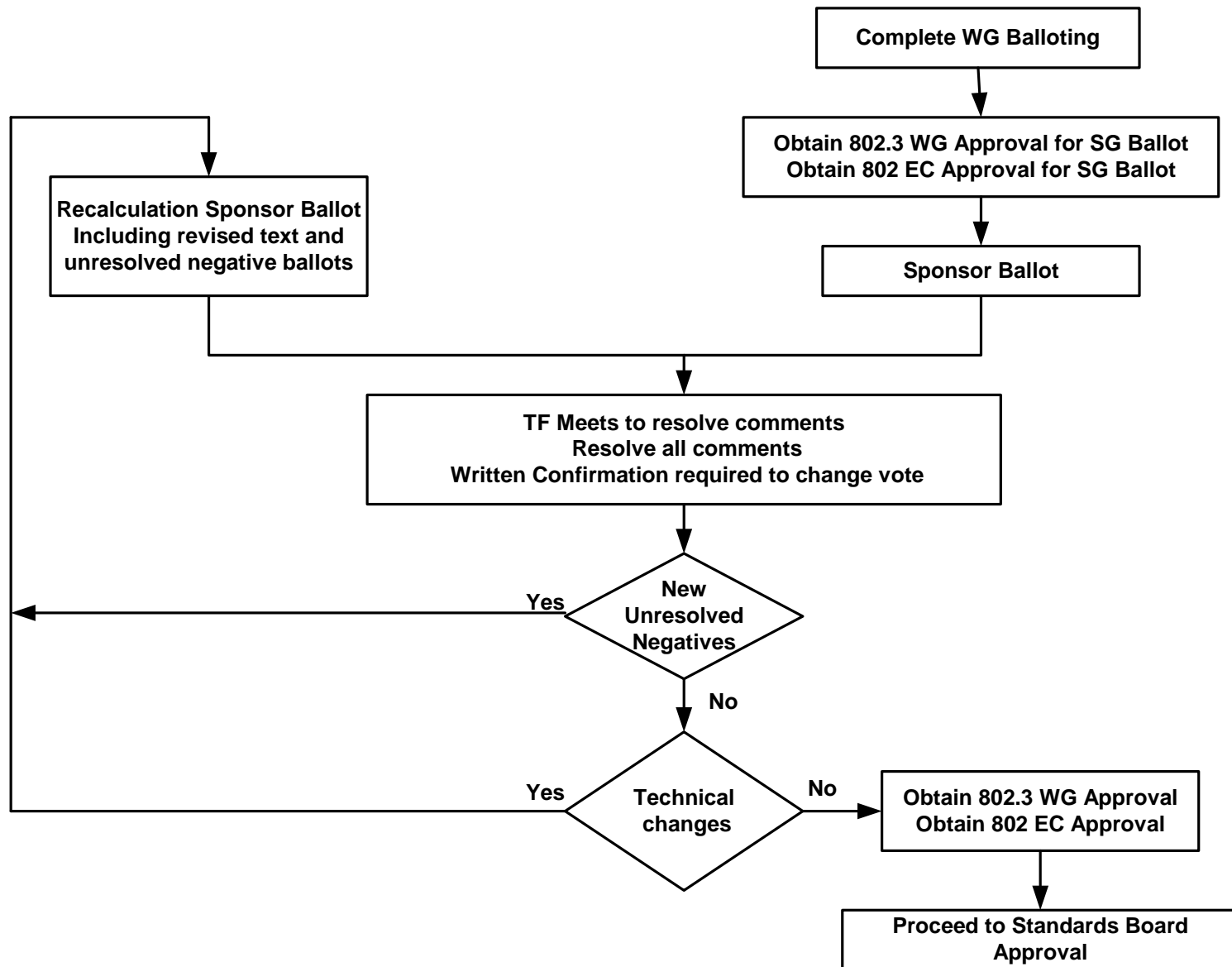
# OVERALL PROJECT PROCESS



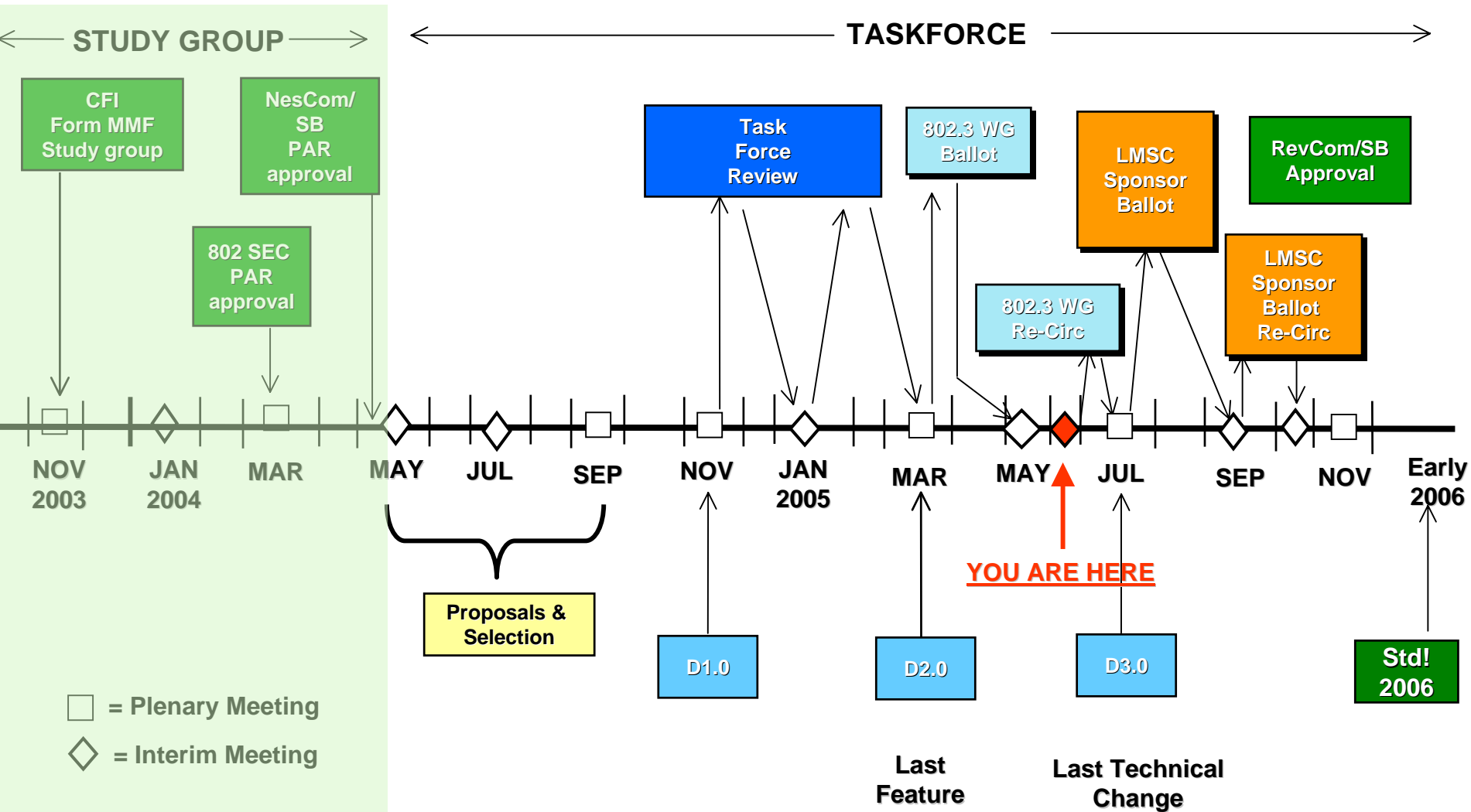
# WORKING GROUP BALLOT



# SPONSOR GROUP BALLOT PROCESS



# 10GBASE-LRM TIMELINE



## Meeting Dates & Places

- Comment resolution: Austin 17<sup>th</sup> - 19<sup>th</sup> May
- Comment resolution: London 14<sup>th</sup> –16<sup>th</sup> June
- 1<sup>st</sup> Recirculation: 24<sup>th</sup> June – 11<sup>th</sup> July
- Plenary Meeting: San Francisco, week of 18<sup>th</sup> July.

## GOALS FOR THIS MEETING

- **Finish comment resolution of the draft D2.0.**
- **TF approval for Confirmation ballot.**
- **Amend project timeline to align correctly with likely timing of completion of WG Ballot process?**



# COMMENT REVIEW IN WG BALLOT

- Unlike taskforce review, comments can't be pushed from one ballot to the next.
- Comments propose changes to the document. To change the document the taskforce must approve a response by acclamation or by a 75% vote.
- All comments must be considered and a response written for them with agreed changes implemented in the draft before a recirculation/confirmation ballot can occur.
- All responses should be respectful and provide thoughtful justification for the response especially if other than accept.
- Response generation can be delegated to subgroups or even individuals, but the customary practice is to only do this delegation by a motion of the group, typically at the end when time is running out.
- The comment database is the master minutes for comment resolution – no need for minutes on comment resolution.

# Proposed Agenda – 10GBASE-LRM

	TUESDAY 14 <sup>th</sup> June	WEDNESDAY 15 <sup>th</sup>	THURSDAY 16 <sup>th</sup>
8.30am	Chair's opening remarks Ad hoc reports	TWDP	Dynamic behaviour
10.30am	Rx jitter test Assorted topics ER comments		Operating range
2pm	Rx sig. info + rx compliance Comp rx test methodology Simple rx test methodology	Tx waveform and eye mask	Comp rx stressors
4pm	Noise for comp rx test Merge with Clause 52 Transmitter jitter Transmitter noise Launch	Insertion loss Connectors Cabling configuration	Rx overload/damage test Simple receiver test param values  Closing Motions
7pm		Any open comments from Tuesday and Wednesday	