WELCOME TO THE CLOSING SESSION
OF
10GBASE-LRM

16th November 2005

10GBASE-LRM November 2005

- **Ground Rules & Standards Process**

- **Goals for this meeting**

- **Project Timeline**

- **Motions**

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

6. Patents

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 WG Meetings

- **Don't discuss the validity/essentiality of patents/patent claims**

- **Don't discuss the cost of specific patent use**

- **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 or visit http://standards.ieee.org/board/pat/index.html

This slide set is available at

http://standards.ieee.org/board/pat/pat-slideset.ppt

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**

- 62.5µm
  - 160/500 MHz-km (A1b, 60793-2-10)
  - 200/500 MHz-km (A1b, 60793-2-10)
- 50µm
  - 500/500 MHz-km (A1a.1, 60793-2-10)
  - 400/400 MHz-km (A1a.1, 60793-2-10)
  - 1500/500 MHz-km (A1a.2, 60793-2-10)

- **Provide a Physical Layer specification which supports link distances of:**
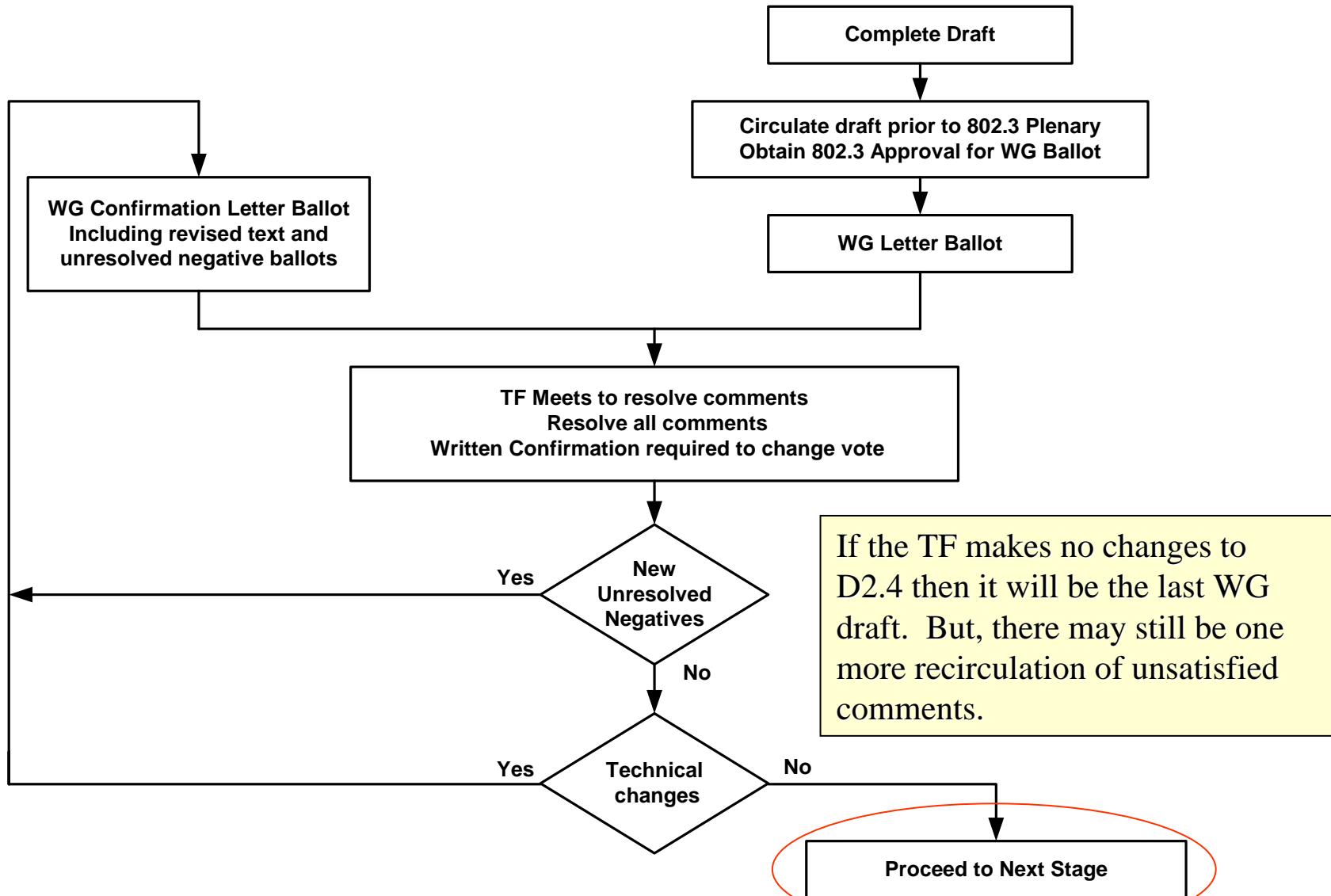
  - at least 220m on installed 500MHz.km multimode fiber

GOALS FOR THIS MEETING

• **The purpose of the meeting is comment resolution on Draft P802.3/D2.4.** Done

• **Final preparations for the Sponsor Ballot.**

WORKING GROUP BALLOT

```
                                        ┌─────────────────────────┐
                                        │     Complete Draft      │
                                        └─────────────────────────┘
                                                    │
                                                    ▼
                                        ┌─────────────────────────┐
                                        │ Circulate draft prior to 802.3 Plenary │
                                        │ Obtain 802.3 Approval for WG Ballot    │
                                        └─────────────────────────┘
                                                    │
   ┌──────────────────────────────┐                ▼
   │ WG Confirmation Letter Ballot │    ┌─────────────────────────┐
   │   Including revised text and  │    │     WG Letter Ballot    │
   │ unresolved negative ballots   │    └─────────────────────────┘
   └──────────────────────────────┘                │
                                                    ▼
                              ┌──────────────────────────────────────────┐
                              │      TF Meets to resolve comments         │
                              │          Resolve all comments             │
                              │ Written Confirmation required to change vote │
                              └──────────────────────────────────────────┘
                                                    │
                                                    ▼
                                             ◇ New
              Yes ◄─────────────────────────── Unresolved
                                               Negatives ◇
                                                    │ No
                                                    ▼
              Yes ◄─────────────────────────── ◇ Technical
                                                  changes ◇ ─── No ───┐
                                                                      ▼
                                        (  ┌──────────────────────┐  )
                                        (  │ Proceed to Next Stage │  )
                                        (  └──────────────────────┘  )
```

If the TF makes no changes to D2.4 then it will be the last WG draft. But, there may still be one more recirculation of unsatisfied comments.
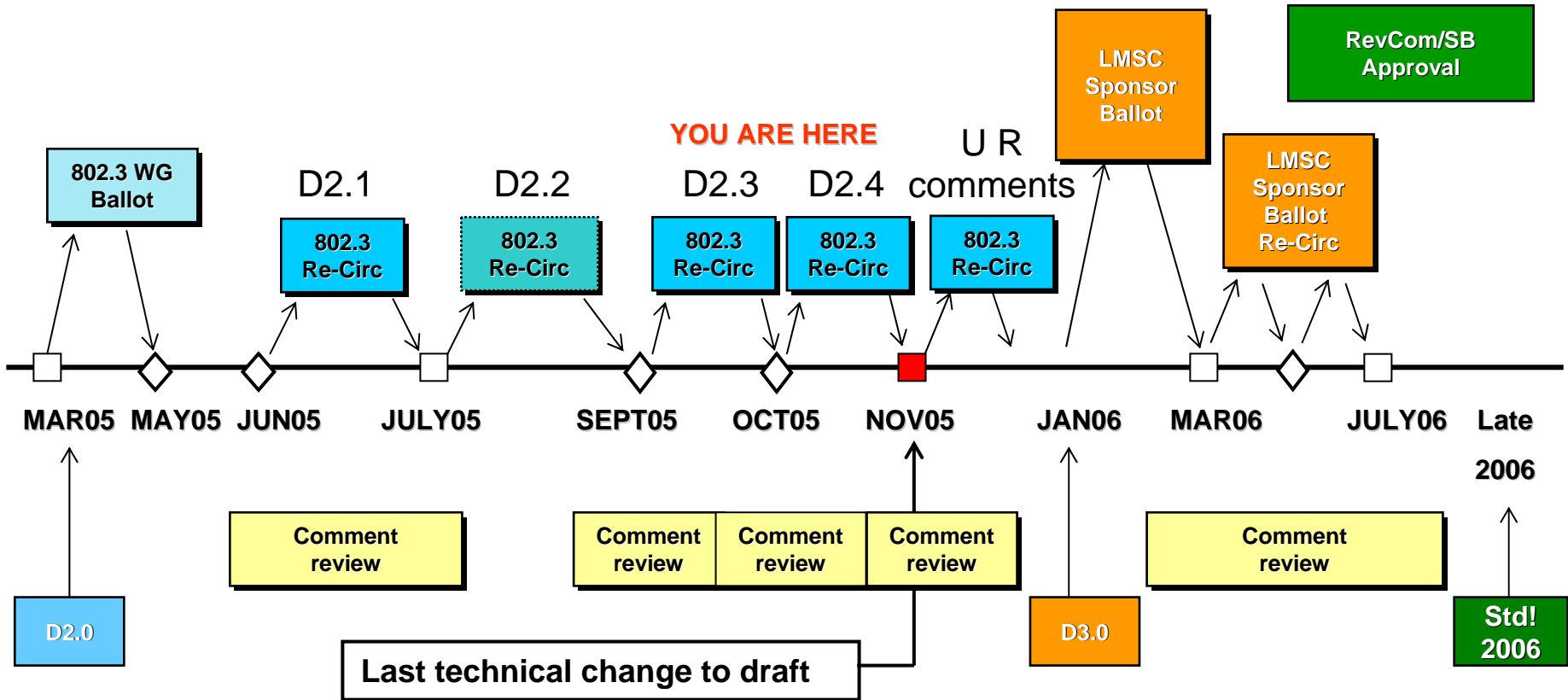
Status of the 10GBASE-LRM Project Draft.

- D2.4 is approved.

- We made no changes to D2.4. This will be our last WG draft.

- We will re-circulate the unsatisfied TR & ER comments against D2.4.

- We will ask for conditional approval to move to Sponsor Ballot after the recirculation.

Working Group Confirmation Ballot Results

	D2.0	D2.1	D2.2	D2.3	D2.4
Voters	206	206	206	206	206
Approve	72	86	95	99	103
Disapprove	22	22	19	18	17
Abstain	9	4	6	6	6
Returns	103	112	120	123	126
Comments T	85	25	10	14	2
Comments TR	107	44	51	16	14
Comments E	209	64	37	22	10
Comments ER	57	5	8	2	1
Comments	458	138	106	54	27
RespRate	50.00%	54.37%	58.25%	59.71%	61.17%
AppRate	76.60%	79.63%	83.33%	84.62%	85.83%
AbsRate	8.74%	3.57%	5.00%	4.88%	4.76%
New Disapprove	22	2	0	0	2

Thank you for voting and submitting comments.

Draft Timeline: 10GBASE-LRM Working Group and Sponsor Ballots.

Technical Motion 5:

Request WG authorization for sponsor ballot of P802.3aq/D2.4 per "Procedure For Conditional Approval To Forward a Draft Standard (formerly Procedure 10)" and authorize re-circulation ballots and interim meetings as necessary.

Moved: John Jaeger
Seconded: Lew Aronson

Votes: Y 32   N 2   A 2

Technical Motion 6:

Request SEC authorization for sponsor ballot of P802.3aq/D2.4 per "Procedure For Conditional Approval To Forward a Draft Standard (formerly Procedure 10)" and authorize re-circulation ballots and interim meetings as necessary.

Moved: John Jaeger
Seconded: Jim McVey

Votes: Y   32   N   2   A 2

Technical Motion 4:

TF directs TF Chair to move that IEEE802.3 accept the amended 10GBASE-LRM objectives:

OBJECTIVES

- **Use the existing 10GBASE-R PCS**
- **Support a BER of better than or equal to 10^{-12}**
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- 62.5µm
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- **Provide a Physical Layer specification which supports link distances of:**

    - at least 220m on installed 500MHz.km multimode fiber

    -

Moved: Dan Rausch

Seconded: Sudeep Bhoja

Votes: Y 34   N 0   A 4