IEEE P802.3ar

Congestion Management Task Force

Report to 802.3 CSMA/CD WG

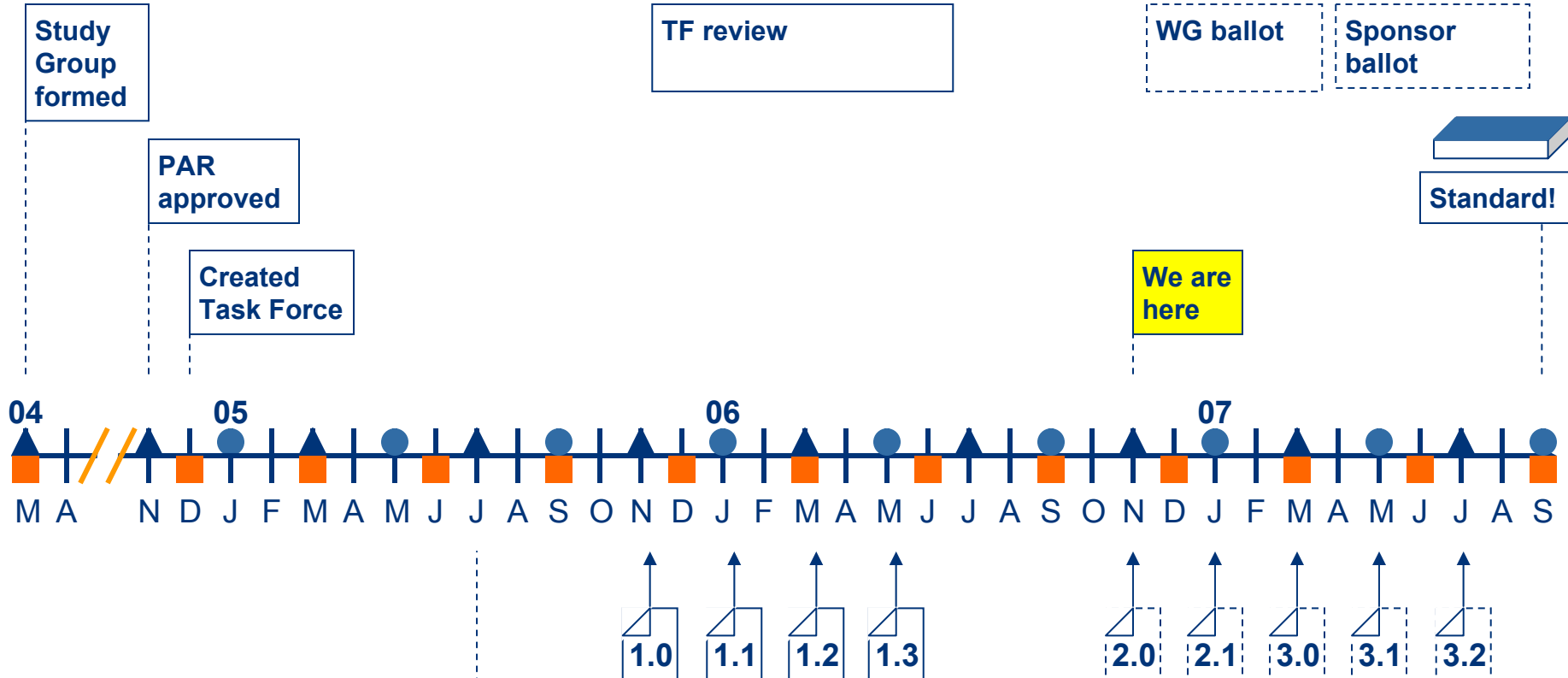**Dallas, Texas**

13 November 2006

Agenda

- **Reflector and web**

- **Current timeline**

- **Recap of 802.3 WG closing plenary (San Diego)**

- **Next steps**

Reflector and Web

- **List subscribers: ~200**

- **To subscribe to the Congestion Management TF reflector send an email to:**
  listserv@ieee.org

- **with the following in the body of the message:**
  subscribe stds-802-3-cm <first name> <last name>

- **Congestion Management TF web page URL:**
  http://www.ieee802.org/3/ar/

Current timeline

Study Group formed

PAR approved

Created Task Force

TF review

WG ballot

Sponsor ballot

Standard!

We are here

04			05										06										07								

M A   N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S

1.0   1.1   1.2   1.3   2.0   2.1   3.0   3.1   3.2

Adopted baseline proposal

Legend
▲ IEEE 802 Plenary
● IEEE 802.3 Interim
■ IEEE-SA Standards Board

Objectives

1) **Specify a mechanism to limit the rate of transmitted data on an Ethernet link**

2) **Specify a mechanism to support the communication of congestion information**

3) **Minimize throughput reduction in non-congested flows**

4) **Preserve the MAC/PLS service interfaces**

Approved by IEEE 802.3 WG on 18-Nov-2004

802.3ar TF Objectives

1) **Specify a mechanism to limit the rate of transmitted data on an Ethernet link**

    - **Capable of 1% or better granularity over the range of 10% to 99% of link rate.**

2) **Preserve the MAC/PLS service interfaces**

Revised by IEEE 802.3ar TF on 16-May-2006

Recap of .3 closing (San Diego)

- **Motion to approve revised .3ar TF objectives**
  - **Failed (71%)**

- **Motion to approve revised Broad Market Potential**
  - **Failed (63%)**

- **Motion to withdraw PAR**
  - **Postponed to Dallas (88%)**

802.3 WG Motion #6 (San Diego)

- **Request 802.3 WG approve P802.3ar TF objectives**
  - **http://www.ieee802.org/3/ar/public/0605/ 802.3ar_revised_objectives.pdf**

- **M: K. Daines   S: H. Barrass**

- **Y: 24 N: 10 A: 27**
- **>= 75%**
- **Fails   (71%)**

802.3 WG Motion #8 (San Diego)

- **Request 802.3 WG approve revised Broad Market Potential criteria**
  - **http://www.ieee802.org/3/ar/public/0605/ 802.3ar_revised_5_criteria.pdf**

- **M: K. Daines   S: T. Mathey**

- **Y: 19 N: 11 A: 27**
- **>= 75%**
- **Fails   (63%)**

802.3 WG Motion #9 (San Diego)

Move that 802.3 WG withdraw the IEEE P802.3ar PAR and return it to NESCOM, by authorizing the WG chair to fill out the appropriate form and presenting it to 802 EC

- **M: T. Dineen   S: H. Frazier**
- **POSTPONED BY MOTION #10**

Motion #10 to postpone #9 until the November 2006 plenary session at the discretion of the 802.3 WG chair

- **M: D. Cunningham S: G. Thompson**
- **Y: 38 N: 5 A: 3**
- **> 50%**
- **Passes (88%)**

802.3 WG Motion #_ (Dallas)

- **Move that 802.3 WG withdraw the IEEE P802.3ar PAR and return it to NESCOM, by authorizing the WG chair to fill out the appropriate form and presenting it to 802 EC**

- **M: T. Dineen   S: H. Frazier**

- **Y: __ N: __ A: __**
- **>= 75%**
- **Pass/Fail (%)**

Next steps

- **Withdraw PAR motion passes…**
  - **802.3ar TF is disbanded**

- **Withdraw PAR motion fails…**
  - **Move forward?**
    - **Approve .3ar TF objectives?**
    - **Approve .3ar revised PAR?**
    - **Approve .3ar WG ballot?**
  - **Or, hibernate**
    - **Wait up to 18 months for additional justification, broad market potential?**

Plans for the week

Day	Time	Room	Activity
Tue 11/14	0900-1200	Cumberland A (Exhibit level)	Prepare for WG closing plenary

P802.3ar Congestion Management

Thank You