IEEE P802.3ar
Congestion Management Task Force

Report to 802.3 CSMA/CD WG

Denver, Colorado
6 March 2006

Agenda

- **Reflector and web**

- **TF objectives**

- **Current timeline**

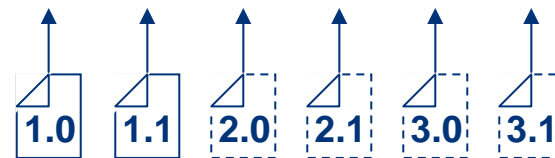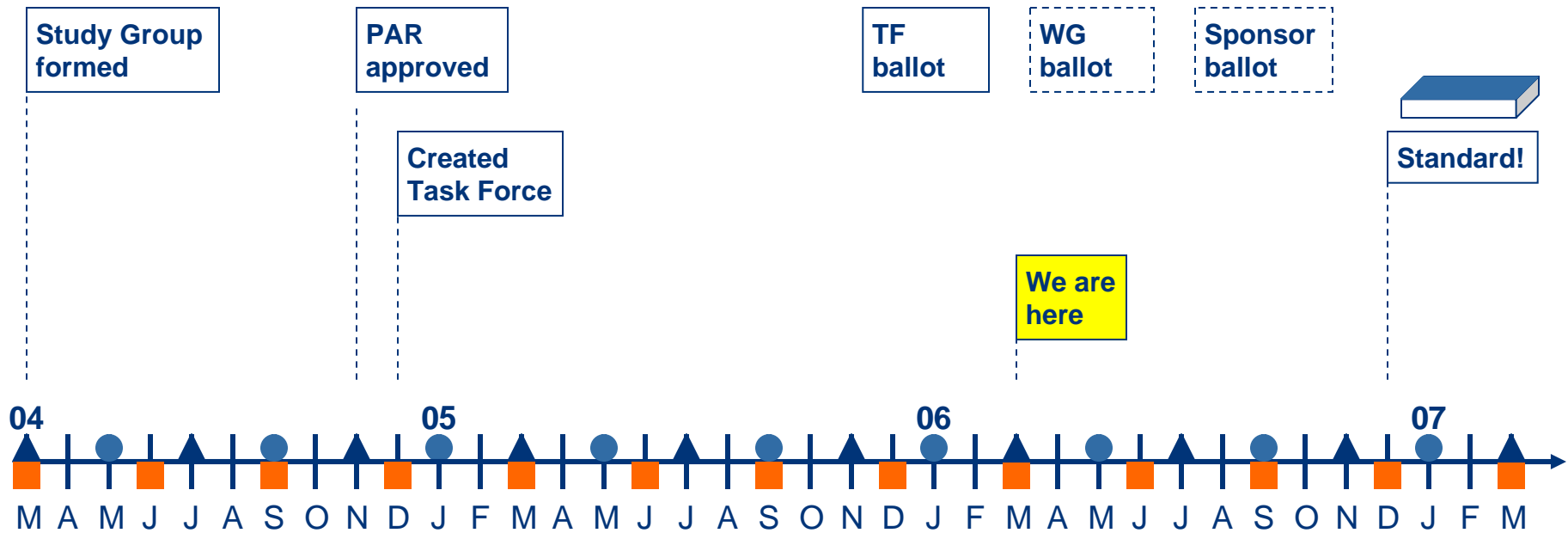- **Plans for the week**

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/**

P802.3ar TF 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

Current timeline

Study Group formed

PAR approved

Created Task Force

TF ballot

WG ballot

Sponsor ballot

Standard!

We are here

| 04 | | | | | | | | | 05 | | | | | | | | | | | | | 06 | | | | | | | | | | | | | 07 | | |
| 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 | O | N | D | J | F | M |

1.0 1.1 2.0 2.1 3.0 3.1

Adopted baseline proposal

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

802.3ar comment summary

	TR	T	ER	E	Total
D1.0	0	1	0	10	11
D1.1	0	0	0	0	0

802.3ar/D1.0 Comment #11

- **Comment**
- **Another project, another MAC option. Even the streamlined 4A is gaining an option. It's time we added a table of what the options are: it's too hard to try to disentangle this information from the 130-page Clause 30. I would like to see something like a PICS added. I'm not so much concerned that it be a checkable form, but that there be a clear, simple table. It could go in 4.1 or 4.4. I am aware that 'a PICS has never been defined for the MAC. This has been the case despite the addition of full-duplex mode, frame bursting capability, deference (4A), 802.1 Qtags, IPG stretching, etc.' Also speed, CRC generation, envelope frame capability, 1G bursting. With each addition, the need for a table becomes greater.**

802.3ar/D1.0 Comment #11

- **Suggested Remedy**

  Please add a table of MAC options within Clause 4.
  Please add a table of MAC options within Clause 4A.

- **Response**

  ACCEPT IN PRINCIPLE.

  This seems like a good idea (service to humanity). Some members of the 802.3as and 802.3ar Task Forces suggested that a new informative annex (Annex 4B) could be created to summarize MAC options. However, such a change would be beyond the scope of either Task Force and would require the mandate of the WG. The editor has "volunteered" to work with the commenter to prepare a short proposal for review during the 802.3 Plenary.

Goals for the week

- **Request 802.3 WG approval to move to WG ballot on Thursday during 802.3 closing session**
  - **802.3ar/D1.1 was pre-circulated on 2/23**
  - **Zero comments received on D1.1**
  - **Discuss possible Annex 4B**

Plans for the week

Day	Time	Room	Activity
Tue 3/7	0900-1200	Granite A (3rd floor)	Opening Discussion of Annex 4B Prepare for WG ballot

Thank You

P802.3ar Congestion Management