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

Legend
- IEEE 802 Plenary
- IEEE 802.3 Interim
- IEEE-SA Standards Board

Adopted baseline proposal

Study Group formed
PAR approved
Created Task Force
TF ballot
WG ballot
Sponsor ballot
We are here
Standard!

04 05 06 07

1.0 1.1 2.0 2.1 3.0 3.1

P802.3ar Congestion Management
## 802.3ar comment summary

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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

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| Tue 3/7 | 0900-1200 | Granite A (3rd floor) | Opening
Discussion of Annex 4B
Prepare for WG ballot |
Thank You