

P802.3ar Congestion Management Task Force

Status Update to 802.1

20 July 2005

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Outline

- **P802.3ar TF objectives**
- **Status update**
 - (2) P802.3ar TF motions
 - (5) P802.3ar straw polls
- **Gauge 802.1 interest**
 - (3) 802.1 straw polls
- **Future P802.3ar TF meetings**

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

July P802.3ar: Motion #1

- **Adopt changes to Clause 4, Annex 4A & Clause 30 described in barrass_1_0505.pdf as a baseline proposal for 802.3ar/D1.0. The changes to Clause 4 will be made after the changes to Annex 4A have been solidified in 802.3ar TF review.**

- ***M: P. Thaler S: M. Squire***
- ***Y: 16 N: 1 A: 9 (31 room count)***
- ***≥ 75% Passes***

- ***802.3: Y: 14 N: 1 A: 2 Passes***

Question for 802.1...

- **Do you support P802.3ar TF objective #1?**
 - ***Specify a mechanism to limit the rate of transmitted data on an Ethernet link***

 - **802.1: Y: 31 N: 2**

July P802.3ar: Straw poll #2

- **Do you support Paul Congdon's May 2005 802.1 proposal (*improving expedited forwarding*) as a component of congestion management?**

- **802.3ar: Y: 21 N: 1**

Question for 802.1...

- **Do you encourage the work and continued evaluation of Paul Congdon's May 2005 802.1 presentation as a component of congestion management?**

- **802.1: Y: 39 N: 0**

May P802.3ar: Motion #4

- **Move that the 802.3ar TF recognizes the primary work to meet 802.3ar TF objective #2 is the responsibility of 802.1**

- **M: H. Barrass S: T. Dineen**
- **$\geq 75\%$**
- **Y: 9 N: 1 A: 7 (18 room count)**
- **Passes**

July P802.3ar: Straw poll #3

- **Do you encourage 802.1 pursuing L2 congestion notification?**
 - **802.3ar: Y: 20 N: 1**

July P802.3ar: Straw poll #4

- **Do you encourage the work and continued evaluation of Davide Bergamasco's 802.1 BCN presentation as a component of congestion management?**

- **802.3ar: Y: 19 N: 1**

Question for 802.1...

- **Do you encourage the work and continued evaluation of Davide Bergamasco's 802.1 BCN presentation as a component of congestion management?**

- **802.1: Y: 6 N: 2 A: 31**

July P802.3ar: Straw poll #5

- **Do you support the addition of class-based flow control as a complementary mechanism to L2 congestion notification?**

- **802.3ar Y: 21 N: 1**

July P802.3ar: Straw poll #6

- **Do you recommend 802.1 consider the addition of class-based flow control as a complementary mechanism to L2 congestion notification?**
 - **802.3ar Y: 20 N: 1**

Future P802.3ar meetings

- **P802.3ar Chair has encouraged collaboration and participation with 802.1 in lieu of a September interim meeting**
 - 18 indicated strong interest in attending 802.1 (possibly week of 9/26 on West Coast)
 - Note to meeting planner(s): 13 of 18 do not normally attend 802.1
- **IEEE 802 Plenary**
 - November 13-18, Vancouver, British Columbia
<http://www.ieee802.org/3/ar>

Thank You