

IEEE 802.3ar Congestion Management Task Force
November 15th, 2005 Plenary Meeting Minutes
Vancouver, British Columbia, Canada

Attendees (alphabetical):

Puneet Agarwal/Broadcom
Kye Hyun Ahn/ETRI
Subbarao Aramilli/Brocade
Hugh Barrass/Cisco
Scott Barrick/Mentor
Ralf-Peter Braun/t-systems
Robert Brunner/Ericsson
Kevin Daines/World Wide Packets
Tom Dineen/Dineen Consulting
Bob Grow/Intel
Tanmay Gupta/Intel
Asif Hazarika/Fujitsu
Chuck Hudson/HP
Gene Juknevicius/SBS
Mike Ko/IBM
Raghu Kondapalli/Marvell
Subi Krishnamurthy/Force 10
Bruce Kwan/Broadcom
Hongyn Li/Huawei
Jeff Lynch/IBM
Tom Lyon/
Dan Maltbie/Woven Systems
Suvhasis Mukhopadhyay/Transwitch
Satoshi Obara/Fujitsu
Haim Porat/Ethos Networks
Shreyas Shah/Xsigo
Chris Del Signore/Brocade
John Terry/Brocade
Suresh Vobbilisetty/Brocade
Manoj Wadekar/Intel

9:00am Session started

Welcome and introductions

Manoj Wadekar/Intel was appointed recording secretary for this session.

Kevin Daines (P802.3ar Chair) presented ar_daines_1_0511.pdf, which contains agenda and general information. Kevin Daines outlined the purpose

of the meeting, which is to review the presentations, including the proposed D0.9.

Motion: "Approve published minutes for July 2005 Plenary Meeting in San Francisco"

Move: Hugh Barrass

Second: Scott Barrick

Motion Passed by voice vote

(People in the room, unofficial count: 29)

Kevin Daines read patent policy. No letters of assurance were brought forward.

Kevin Daines reviewed 802.3ar TF objectives

Discussion about Objective 1 - whether it should be defined in IEEE. Why this should not be left to implementation?

- a. This is enhancement to Media Access Control - already in 802.3ae. This standard will be doing it right and final.
- b. Concerns were also about: why not in 802.1, why no Rx/Tx
 - I. July Plenary had Tech Plenary between 802.3 and 802.1 - It was decided that 802.3 is right place to do this and it is helpful for other 802.1 requirements as well e.g. Two port MAC relay
 - II. This standard proposes management functionality to control rate of transmission for Tx.

Kevin Daines presented 802.3ar-d0_9.pdf, which is a proposed D0.9 draft based on the baseline proposal adopted at the July 2005 meeting.

Review of Draft 0.9 (** indicates changes to the draft for next rev)

- a. ** Typo on Page 7: "Changes to IEE" => "IEEE"
- b. Add Annex 30A and Annex 30B to Page 7.
- c. Is there indication to 802.1 about rate control in 802.3
 - i. No. There is no such interface between 802.1 and 802.3.
- d. **Page 12: Missing comments in the Pascal code
- e. Why does draft not allow for collision time as well?
 - i. Annex 4A discusses simplified full-duplex
 - ii. Deference process allows for deferral to carrier-sense.
 - iii. When the changes are made to Clause 4: some enhancements can be made for "time lost due to collision" to recalculate ifsStretch
 - iv. Other thought: Why support half-duplex anyway?
 - v. Baseline proposal does not discuss duplex. So, expected to address both.

- f. ** Should add definition for "payload"
 - i. Basic question is "What is the payload?" Is the DA through FCS or is it preamble through FCS?

Shreyas Shah/Xsigo presented shah_1_0511.pdf, entitled "Enhanced Flow Control for Ethernet networks". Feedback included:

- a. Perhaps this is a topic for 802.1
- b. The cost/complexity of such a solution is a concern

P802.3ar Motion #2

"Create 802.3ar/D1.0 based on Kevin Daines' D0.9 proposal with comments and edits from the November 2005 meeting and conduct 30-day TF ballot prior to the January 2006 interim"

M: M. Wadekar

S: S. Barrick

Y: 17 N: 4 A: 5 (~29 room count)

>= 75%

Passes

P802.3ar Motion #3

"Propose to remove frame rate control mechanism and associated attributes"

M: P. Agarwal

S: T. Dineen

Y: 4 N: 10 A: 11 (~29 room count)

>= 75%

Fails

No other business brought forward.

Kevin Daines highlighted the fact that 802.1 reserved Thursday, November 17th, from 9a-11a to discuss Congestion Management. Kevin Daines encouraged attendance and participation.

Kevin Daines reviewed upcoming meetings. However, locations and exact dates are not known for January and May interim meetings.

P802.3ar indicated strong interest in co-locating with 802.1 in January 2006.

Motion to adjourn session: Approved by voice.

Session adjourned at 12:30pm.