IEEE 802.3WG
Opening Plenary Report

IEEE 802.3

Ethernet Bandwidth Assessment

Ad Hoc

John D'Ambrosia

Dell

San Diego, CA, USA, July 2012

Reflector and Web

- To subscribe to the BWA reflector, send an email to:

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- Ad Hoc web page URL:

  http://www.ieee802.org/3/ad_hoc/bwa/index.html

"Ethernet Bandwidth Assessment" Program Submission

- ## Background and Purpose

  During the IEEE P802.3ba 40Gb/s and 100Gb/s Ethernet project, it was observed that core networking and computing applications were growing at different rates, driving the need to develop the two new wireline Ethernet speeds. The focus of this IC activity will be to perform an appraisal of future "Ethernet Wireline Bandwidth Needs" of applications within the Ethernet eco-system.

  Related Standard – IEEE Std 802.3-2008 and IEEE Std 802.3ba-2010

  Related Sponsor – IEEE 802

- ## Charter and Scope

  The scope of this IC will focus on gathering information that will enable an evaluation of the bandwidth needs for Ethernet wireline applications, including, but not limited to, core networking and computing. This evaluation will then enable the generation of a white paper(s) and related presentations on the future bandwidth needs of Ethernet wireline applications, which can then be used for future reference by an appropriate related standards activity.

- ## Proposed Deliverables

  This evaluation will then enable the generation of a white paper(s) and related presentations on the future bandwidth needs of Ethernet wireline applications, which can then be used for future reference by an appropriate related standards activity.

Ad Hoc Private Area

- URL: http://www.ieee802.org/3/ad_hoc/bwa/private/index.html
  - Username: xxxxxx
  - Password: xxxxxx

- Write it down…

- Note - The draft, and any other content, is posted for your review only, and neither the content nor access information should be copied or redistributed to others in violation of document copyrights.

Activities Since Mar 2012 Plenary (1 of 2)

- Release of Draft 1.0
  - Release Feb 24 (30 day comment cycle)
  - Closed March 25
  - 35 Comments (details – D1.0 Review)
- Phone Conference April 10 (Thanks John D'Ambrosia, Dell)
  - All comments resolved
  - April 11 call cancelled
- Release of Draft 1.1
  - Opened 27 April 2012 (7 day comment cycle)
  - Closed 4 May 2012
  - 1 comment (details – D 1.1 Review)

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Activities Since Mar 2012 Plenary (2 of 2)

- May Interim Meeting (Thanks Beth Kochuparambil / Joel Goergen, Cisco)
  - Resolved 1 comment against D1.1
  - D1.2 shown to ad hoc (included comment resolution)
  - Poll of those in support of submitting D1.2 to IEEE 802 WG in July for approval – Results (y/n/a): 36/0/2

D 1.0 review

BWA report D 1.0 Ad Hoc review
- Opened 24 February 2012, closed 25 March 2012
- 30 day comment period, 35 comments received
- Thanks to those who reviewed the document and those who commented
- All comments resolved on call 10 April 2012

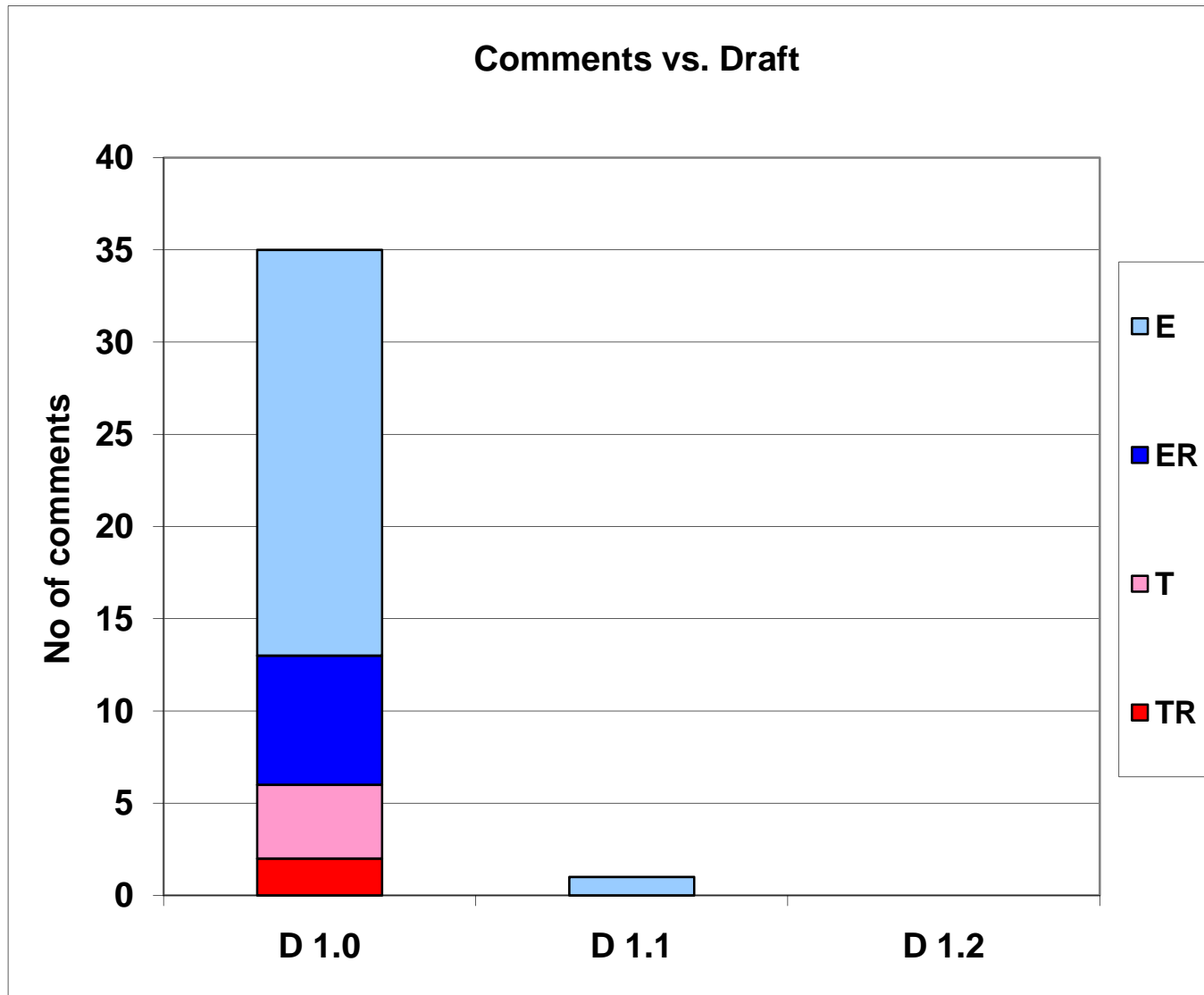| Description	Clause(s)	TR	T	ER	E	Total
General, Front matter	00, 99		1		2	3
Introduction	1				3	3
VNI	2.2			2	2	4
Storage Growth	2.3			1	2	3
Server	2.4.1				4	4
HPC	2.4.2				1	1
Data center	2.4.3					0
Global DC	2.4.4	1			1	2
Science	2.5			2		2
Financial	2.6			1	1	2
Cable	2.7	1	1		2	4
OTN	2.8				1	1
Peering	2.9					0
Assessment	3		2	1	3	6
Total comments		2	4	7	22	35

D 1.1 review

BWA report D 1.1 Ad Hoc review
- Opened 27 April 2012, closed 4 May 2012
- 8 day comment period, 1 comment received
- Thanks to those who reviewed the document and the commenter
- Proposed response posted 7 May 2012

Description	Clause(s)	TR	T	ER	E	Total
General, Front matter	00, 99					0
Abbr., Introduction	1, 2					0
VNI	3.2					0
Storage Growth	3.3					0
Server	3.4.1					0
HPC	3.4.2					0
Data center	3.4.3					0
Global DC	3.4.4					0
Science	3.5					0
Financial	3.6					0
Cable	3.7					0
OTN	3.8					0
Peering	3.9					0
Assessment	4				1	1
Total comments		0	0	0	1	1

Comment trend

Going Forward & Future Meetings

- ### This Week –
  - Tutorial – Tonight (7/16), 7:30 – 9:00PM
    - See http://www.ieee802.org/802_tutorials/2012-07/802-0712-TutorialFlyer-V1.pdf.
  - No meeting this week
  - Thursday, Closing Plenary – seek approval

- ### Sept Interim
  - Joint ITU / IEEE Workshop

Thank You!

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