

# IEEE 802.3 WG Opening Plenary Report

IEEE 802.3  
HSE Consensus Ad Hoc

John D'Ambrosia  
Dell

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# “Higher Speed Ethernet Consensus” Program Submission

- HSE ICAID: <https://mentor.ieee.org/802-ec/dcn/12/ec-12-0033-01-00EC-higher-speed-ethernet-icaid.pdf>

- **Background and Purpose**

The completion of the IEEE 802.3 Industry Connections Ethernet Bandwidth Assessment Ad hoc has demonstrated that the bandwidth requirements of multiple application spaces are continuing an exponential climb with the forecasted growth in 2020 to reach a level 100x the bandwidth required in 2010. The purpose of the IEEE 802.3 Industry Connection’s Higher Speed Ethernet Consensus activity will be to build consensus related to initiating a new effort targeting the next speed of Ethernet for wireline applications, which will be used for the evaluation and possible development of a Call-For-Interest for the next IEEE 802.3 Higher Speed Study Group.

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 activity will focus on building consensus related to the next speed of Ethernet for wireline applications, which will be used for the evaluation and possible development of an IEEE 802.3 Call-For-Interest for the next Higher Speed Study Group. The requested duration for this Industry Connections activity is 12 months.

- **Proposed Deliverables**

- The proposed deliverables will be the historical records, i.e. meeting notes & presentations, of the meetings held by this Industry Connections activity.

# Reflector and Web

- To subscribe to the HSE Consensus reflector, send an email to:

[ListServ@ieee.org](mailto:ListServ@ieee.org)

with the following in the body of the message (do not include “<>”):

```
subscribe stds-802-3-bwa <yourfirstname> <yourlastname>  
end
```

- Send HSE Consensus Ad Hoc reflector messages to:

[STDS-802-3-BWA@listserv.ieee.org](mailto:STDS-802-3-BWA@listserv.ieee.org)

- Ad Hoc web page URL:

[http://www.ieee802.org/3/ad\\_hoc/hse/index.html](http://www.ieee802.org/3/ad_hoc/hse/index.html)

# Activities Since July 2012



- Sept 23
  - Thanks to ITU-T!
  - Geneva, Switzerland
  - 66 attendees
  - 7 technical presentations
  - Approved Email (Informal Communication) to IETF
  - High Degree of Consensus (see next page)
    - Rate
    - Timing of CFI
  - Chair indicated
    - Historically, precedent for slip occurring
    - Intent to submit request for a 400GbE CFI for March 2013
    - Progress of group will impact whether there will be slip
  - ([http://grouper.ieee.org/groups/802/3/ad\\_hoc/hse/public/12\\_09/index.shtml](http://grouper.ieee.org/groups/802/3/ad_hoc/hse/public/12_09/index.shtml))

# Straw Polls

- Straw Poll #1: I support the following data rate as the basis for near term CFI:

	Results
• 400 Gb/s	61
• 1 Tb/s	0
• 400 Gb/s and 1 Tb/s	0
• Rate TBD in SG	1
• No CFI	0

- Straw Poll #2: I support doing a 400GbE Call-For Interest in:

	Results
• November 2012	1
• March 2013	39
• July 2013	21
• Later than July 2013	0
• Undecided	1

# Thank You!