

John D'Ambrosia, Dell July 17, 2012

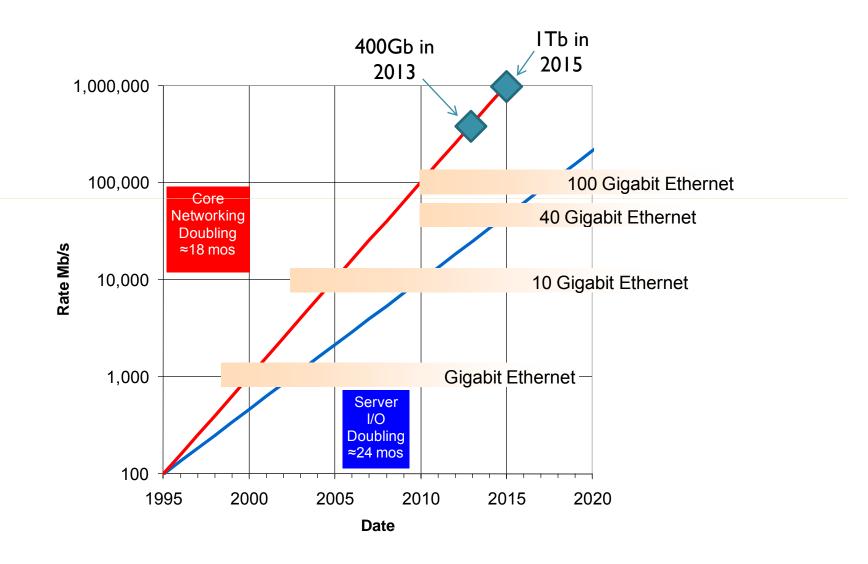
For this meeting

- We don't need to
 - Fully explore the problem
 - Debate strengths and weaknesses of solutions
 - Choose any one solution
 - Create project documentation (i.e. PAR, 5 Criteria, Project Objectives)
 - Create a standard or specification
- Anyone may speak / vote
- RESPECT... give it, get it

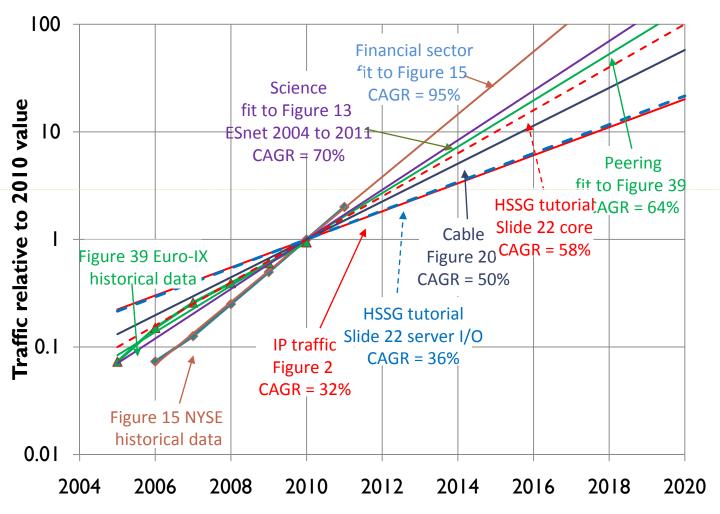
Presentations

- This one
- "HSE" David Ofelt, Juniper
- "Near Term 400Gb/s Ethernet Project Characteristics" - Chris Cole, Finisar

Remember This?



Now We Have This



Source: http://www.ieee802.org/802_tutorials/2012-07/BWATutorial_D1_12_0716.pdf

Up and Coming Meetings

- ECOC Sept 2012
- IEEE / ITU-T Workshop Sept 2012
 - HSE IC Meeting
- Future Plenaries
 - Nov 11 16, 2012 San Antonio, TX
 - March 17-22, 2013 Orlando, FL
 - July 14-19, 2013 Geneva, Switzerland

"Higher Speed Ethernet Consensus" Program Submission

• HSE ICAID: https://mentor.ieee.org/802-ec/dcn/12/ec-12-0033-00-00EC-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 a Call-For-Interest for the next IEEE 802.3 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.

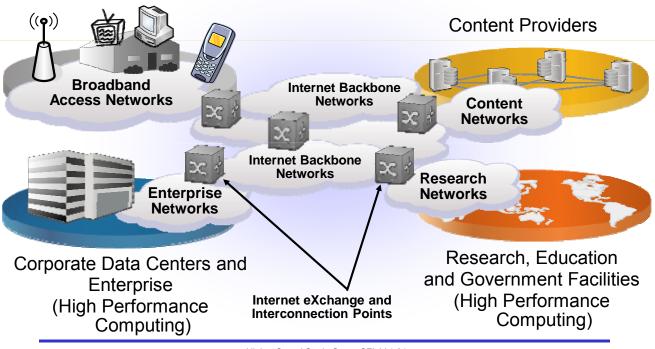
Getting Started

- Initiate IC for July 2012 Approval
 - Vote @ 802.3WG on Thursday
 - Vote @ 802 on Friday
 - Other approvals ICCOM / SASB
- Ist Meeting @ Sept Interim (pending approval)
- Consider CFI Timing

Where is the Need?

The Ethernet Ecosystem

Consumer Broadband Access



July 18, 2006

Higher Speed Study Group CFI, V 1.01 San Diego, CA

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Issues to Consider

- Timing?
- Why Now?
- Where do we need it?
 - Applications (media / reach?)
 - 400G versus Terabit?
- Technical Feasibility?
- Economic Feasibility?
- Development Resources?

May Straw Poll

A CFI in _____ would be appropriate

Nov I2 - 14
Mar I3 - 10
July I3 - II
Later than July I3 - 2

Undecided -

Straw Poll

A CFI in _____ would be appropriate

- \circ Nov 12 6 + 9 = 15
- \circ Mar 13 11 + 12 = 23
- \circ July 13 6 + 2 = 8
- Later than July 13 1 + 1 = 2
- Undecided I + 5 = 6