

Wrap Up & Future Directions

IEEE 802.3

Next Generation

100Gb/s Optical Ethernet Study Group

Dan Dove

HP Networking

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Review Goals for the meeting

- ✓ Establish high level goals/schedule for the group
- ✓ Solidify the “easy” objectives
 - Define the areas where work is required
 - Define a timeframe for closing on the tough objectives
 - Lay the ground work for the next meeting

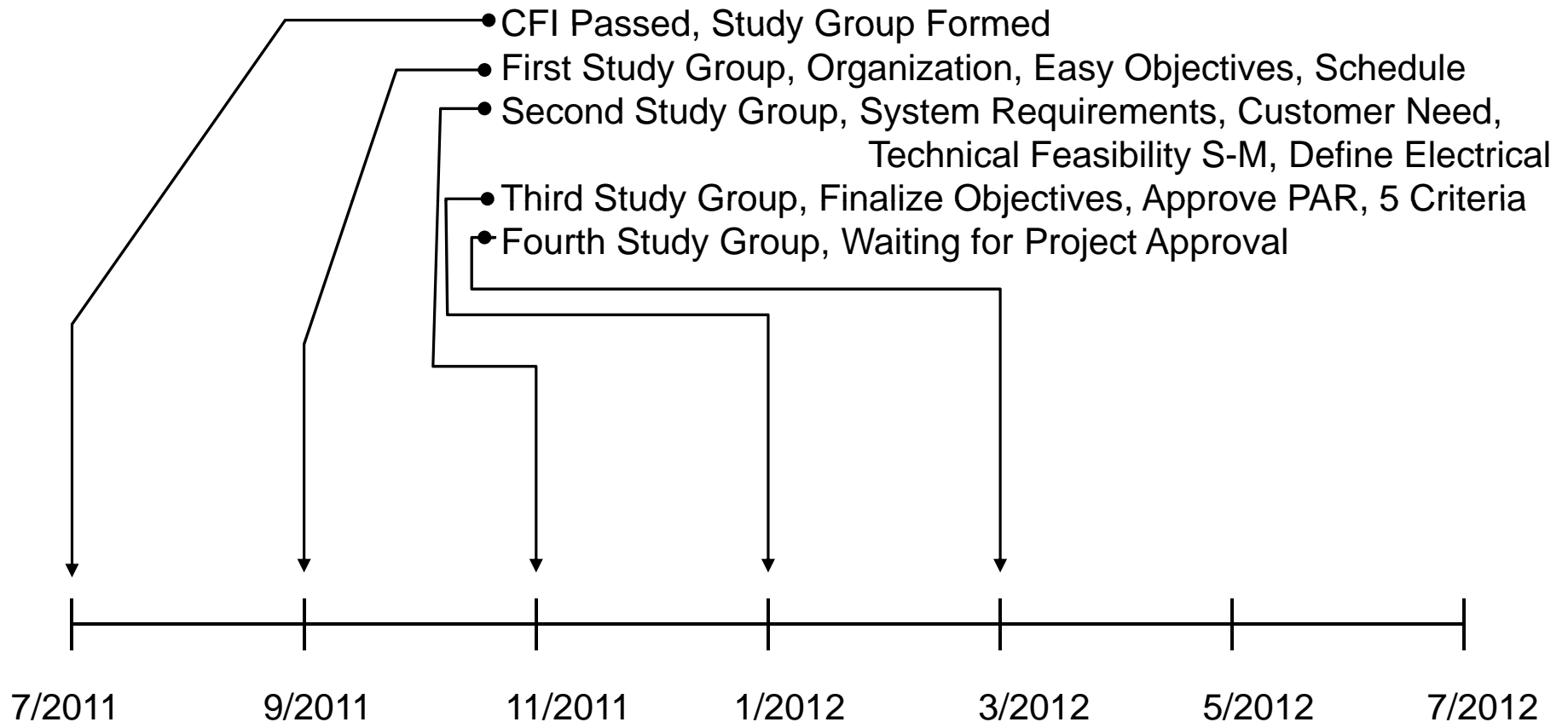
Adopted Objectives

- Support full-duplex operation only
- Preserve the IEEE 802.3 / Ethernet frame format utilizing the IEEE 802.3 MAC
- Preserve minimum and maximum Frame Size of current IEEE 802.3 standard
- Support a BER better than or equal to 10^{-12} at the MAC/PLS service interface

Areas To Be Addressed

- System PCA Reach Requirements
- Connector/MSA implications on link budget
- Un-retimed, Retimed, Both
- Multi-Mode Solution (customer requirements vs technical cost/complexity)
- Alternative Single-Mode technology (performance/cost /power/density)
- Liaisons (IC for OIF)(ITU)
- FEC (Optional, Required) (Compatibility with 802.3bj)
- Equalization
- Compatible Interface with p802.3bj

Timeframes (strawman)



Future Meetings

- See: <http://www.ieee802.org/3/interims/index.html>
- **Monday, November 7th through Thursday, November 10th, 2011**
 - Hyatt Regency Atlanta
 - Atlanta, USA
- **Week of January 23, 2012**
 - IEEE P802.3 interim session
All IEEE 802.3 Task Force and Study Groups will meet
 - Hosted by Ethernet Alliance
 - Venue and meeting days TBD
- **Monday, March 12th through Thursday, March 15th, 2012**
 - Hilton Waikoloa Village
 - Big Island, Hawaii
 - USA

- Anyone interested in hosting a meeting contact me.



Thank You!