IEEE P802.3ba 40Gb/s and 100Gb/s Ethernet

Final Report

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IEEE P802.3ba Task Force Officers and Editors

John D'Ambrosia	Task Force Chair	
<u>Ilango Ganga</u>	Task Force Chief Editor Editor – Clauses 1, 4, 80, Annexes A, 4A	
Mark Gustlin	Chair, "Logic" Sub-task Force Editor – Clauses 81, 82	
Chris DiMinico	Chair, "Cu" Sub-task Force Editor – Clause 85, Annex 85A	
Pete Anslow	Chair, "Optical" Sub-task Force Editor – Clause 88	
<u>Hugh Barrass</u>	Editor – Clauses 30, 45	
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Reflector and Web

To subscribe to the IEEE P802.3ba Task Force reflector, send an email to:

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- Send IEEE P802.3ba Task Force reflector messages to: STDS-802-3-HSSG@listserv.ieee.org
- Task Force web page URL:

http://www.ieee802.org/3/ba/

Activities Since March Plenary

- Sponsor Ballot 2nd Recirculation
 - Ballot Opened: March 26, 2010
 - Ballot Closed: April 10, 2010
 - Results:
 - No new disapprove votes
 - No new comments
- April Interim Cancelled
- IEEE P802.3ba Draft 3.2 submitted to Revcom April 29, 2010
- IEEE P802.3ba Ratified June 17
- IEEE-SA Press Release June 21
 - http://standards.ieee.org/announcements/2010/ratification8023ba.html
 - Supported briefings
- IEEE 802.3ba-2010 Published June 22

Sponsor Ballot Summary

143	D3.0 Initial Sponsor ballot	D3.1 First Sponsor Ballot Recirc	D3.2 2 nd Sponsor Ballot Recirc
Voters	143	143	143
Approve	89	97	110
Disapprove	21	17*	6 **
Disapprove w/o comment	0	0	0
Abstain	6	6	6
Returns	116	120	122
Response rate	81%	83%	85%
Abstention rate	5%	5%	4%
Approval rate	80%	85%	94%

Ballot met required response rate >=75%, abstention rate < 30%, and approval rate >=75%

- * 9 Disapprove votes have no unresolved negative comments
- ** 6 Disappove Votes Carry-overs from previous drafts

Special Thanks to...

- Our Chief Editor Ilango Ganga
- Our Sub-Task Force Chairs Mark Gustlin, Chris Di Minico, Pete Ansow
- Our Editorial Team Ilango Ganga, Mark Gustlin, Chris Di Minico, Pete Anslow, Hugh Barrass,
 Jonathan King, Arthur Marris, Steve Trowbridge, Ryan Latchman, Piers Dawe
- Our Ad hoc Chairs Dan Dove, Andy Moorwood, Alessandro Barbieri, Ryan Latchman, John Petrilla
- The IEEE P802.3ba Task Force YOU ROCKED!
- Honorable Mention Adam Healey, Ali Ghiasi, Mike Dudek, John Petrilla, Chris Cole, Matt Traverso, Mark Nowell, Gary Nicholl, John Jaeger, Charles Moore, Henk Steenman
- Our Secretaries Roger Merel, Trey Melpass, George Oulundsen, Steve Trowbridge, Farhad Shafai, Dave Chalupsky, Pete Anslow, and anyone else I may have missed
- Webmaster Frank Chang
- IEEE 802.3 Officers (Past & Present) Bob Grow, David Law, Wael Diab, Steve Carlson
- IEEE 802.3 Chairs Past & Present
- Shimon Muller For sticking to his guns!
- Howard Frazier For making me realize my role
- Joel Goergen For initially pulling me into this
- Getting the Standard balloted / published Kathryn Bennett, Michelle Turner, Catherine Berger
- ITU-T
- Ethernet Alliance

Personal Thoughts #1

If you ever hear these words, run!

Let _____ be the lightening rod for the industry!

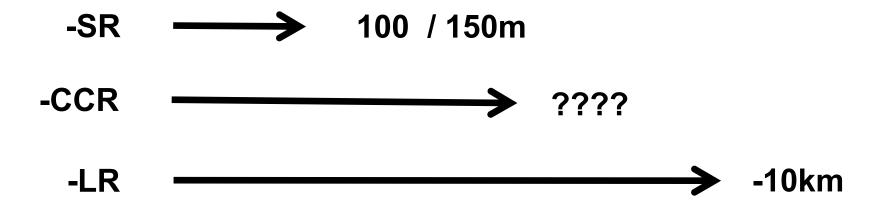
Personal Thoughts #2

Consensus building is done outside the meeting room, often over dinner...

Note – Don't let Chris Cole pick the restaurant!

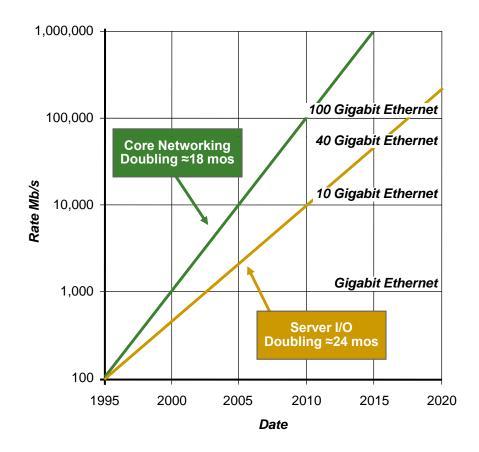
Personal Thoughts #3

- The Forgotten PHYs
 - 40GBASE-CCR
 - 100GBASE-CCR



The Next Rate

- Frequent topic of discussion during HSSG
- Traffic growth is driving ongoing industry discussions regarding the Next Rate of Ethernet
 - Ethernet Alliance
 - OIDA
 - OFC
 - IEEE / ITU-T Workshop
- Market Need
 - Data Centers
 - Internet Exchanges
 - Carriers
- Technical Feasibility
 - Optical Signaling
 - Electrical Signaling



IEEE Industry Connections

- Program currently set up to support entity / company participants, opportunity to work with IEEE-SA to define an individual based program.
- This forum could be used to facilitate industry roadmaps and technical white papers
- My goal bring together like-minded individuals to explore industry bandwidth requirements



Thank You!