

Higher Speed Ethernet Consensus Industry Connections (Individual Process) Activity Initiation Document

Version: 1.2, 19 July 2012

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[[Instructions

- Note: Any text surrounded by double square brackets [[]] should be replaced appropriately (and the brackets removed) in the final document, or may be deleted if so allowed. These instructions may be deleted.
- The version number above, along with the date, may be used to distinguish successive updates of the document. The file name associated with the document should also be updated accordingly.
- The status should indicate "Draft", "For Member Approval", "For Sponsor/SASB Approval", or "Approved", as appropriate.
- The Name of New IC Activity and Version information provided above will automatically update the corresponding page headers and footers (upon printing or print preview). However, the font and size of the substituted text in the headers and footers may need to be manually corrected.]]

1. Background and Purpose

[[Briefly explain the motivation behind starting this IC activity, and the overall purpose or goal to be accomplished. Include a comparison to any existing, related efforts (industry associations, consortia, standardization activities, etc.), or existing, related standards.

- If an existing related standard has been identified and the Sponsor is still active, its name [[SponsorName]] shall be entered below. Prior to the approval of the start of the activity, approval from that Sponsor shall be obtained.]]

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 Standards – IEEE Std 802.3-2008 and IEEE Std 802.3ba-2010
Related Sponsor – IEEE 802

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2. Charter and Scope

Within the IEEE Standards Association (IEEE-SA), the Higher Speed Ethernet Consensus activity will be overseen by the IEEE-SA Standards Board (SASB) Industry Connections Committee (ICCom), and IEEE 802. The charter of Higher Speed Ethernet Consensus focuses its activities as follows:

- [[Through a series of points or sentences, outline what types of work will be undertaken by this IC activity, clarifying what is in (and what is out of) 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.](#)

3. Potential Markets Served

[[Indicate the main beneficiaries of this work, and what the potential impact might be. This is an optional section that may be omitted if already covered under Background and Purpose.]]

The potential beneficiaries of this work would be those individuals involved in future Ethernet wireline standards targeting higher speeds than those that currently exist. The beneficiaries of these efforts identified to date are expected to include but are not limited to: users and producers of systems and components for servers, network storage, networking systems, high performance computing, telecommunications carriers, internet exchanges, financial markets, data centers, and multiple system operators (MSOs).

4. Proposed Deliverables

[[Outline the anticipated deliverables and output from this IC activity, such as documents, proposals for standards, conferences and workshops, databases, computer code, etc.]]

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

5. Funding Requirements

[[Outline any additional contracted services or other expenses that are currently anticipated, beyond the basic support services provided to all IC activities.]]

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6. Initial Members

[[Indicate the stakeholders that are expected to be interested in this IC activity, and provide a list of the initial members (below) that will be participating from the outset. It is recommended there be at least five initial members, each with a different affiliation.]]

The initial members in Higher Speed Ethernet Consensus are the following:

Individual	Contact Info	Employer	Affiliation
John D'Ambrosia	7701 Aynlee Way Harrisburg, PA 17112 jdambrosia@ieee.org 717.460.8535	Dell	Dell
Mark Nowell	3000 Innovation Drive Core Routing BU Kanata, Ontario, Canada Mnowell@cisco.com +1 (613) 254-3391	Cisco Networks	Cisco Networks
David Ofelt	1194 N. Mathilda Avenue Sunnyvale, CA 94089 ofelt@juniper.net (408) 745-2945	Juniper	Juniper
Pete Anslow	43-51 Worship Street London, EC2A 2DX, UK panslow@ciena.com +44 (2070) 125535	Ciena Corporation	Ciena Corporation
Steve Trowbridge	5280 Centennial Trail Boulder, CO 80303 USA steve.trowbridge@alcatel-lucent.com +1 720 945 6885	Alcatel-Lucent	Alcatel-Lucent
Ali Ghiasi	3151 Zanker Road San Jose, CA 95134 aghiasi@broadcom.com 1-408-922-7423	Broadcom	Broadcom
Thananya Baldwin	26601 W. Agoura Road Calabasas, CA 91302 thananya@ixiacom.com Mobile: 1-818-634-8080	Ixia	Ixia
Gerald Pepper	26601 W. Agoura Road Calabasas, CA 91302 gpepper@ixiacom.com Mobile: 818-216-1900	Ixia	Ixia
Mark Gustlin	mgustli@xilinx.com 2100 Logic Drive San Jose, CA 95124 1.408-879-6914	Xilinx	Xilinx
Kapil Shrikhande	350 Holger Way San Jose, CA 95134 Kapil_Shrikhande@DELL.com 1.408.896.1189	Dell	Dell

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Chris Cole	1389 Moffett Park Drive Sunnyvale, CA 94089 chris.cole@finisar.com 650.703.2233	Finisar	Finisar
Kai Cui	Phone: +86-755-28978123 Fax: +86-755-28972935 Mobile: +86-18603011167 Email: ck.cuikai@huawei.com	Huawei	Huawei
Scott Kipp	130 Holger Way San Jose, CA 95134 Email: skipp@brocade.com 913-944-2205	Brocade	Brocade
Jon Anderson	46429 Landing Parkway Fremont, CA 94538 janderson@opnext.com +1-732-690-0419	Opnext	Opnext
Mike Peng Li	101 Innovation Dr. San Jose, CA 95134 (408) 544-8312 mpli@altera.com	Altera	Altera
Andy Moorwood	169 W. Java Dr. Sunnyvale, CA 94089 amoorwood@infinera.com 408.212.8390	Infinera	Infinera
Henk Steenman	Westeinde 12 1017ZN Amsterdam Netherlands +31651312774 Henk.Steenman@ams-ix.net	AMS-IX	AMS-IX
Andy Bach	11 Wall Street New York NY 10005 +1 212 656 6534 (11 Wall Office) +1 646 772 5523 (Mobile)	NYSE	NYSE
Michael Bennett	1 Cyclotron Road Berkeley, CA 94720 510.486.7913 mjb@es.net	LBNL – Energy Sciences Network	LBNL – Energy Sciences Network
Arnold Nipper	Lindleystr. 12 60314 Frankfurt Germany arnold.nipper@de-cix.net +4915253717690	DE-CIX Management GmbH	DE-CIX Management GmbH

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Martin Carroll	Network & Technology - Verizon 2400 N. Glenville Drive, B3130 Richardson, TX 75082 USA Tel) +1 972 729 5630 Email) martin.carroll@verizon.com	Verizon	Verizon
Sam Sambasivan	9505 Arboretum Blvd, Austin, TX 78759 Sam_Sambasivan@labs.att.com 512.372.5809	AT&T	AT&T
Ralf-Peter Braun	Winterfeldtstr. 21 10781 Berlin, Germany P +49 30 8353.58827 M +49 1605 326 798 Ralf-Peter.Braun@telekom.de	Deutsche Telekom AG	Deutsche Telekom AG
Xi Huang	+31612249400 huangxi@huawei.com	Huawei	Huawei
Parantap Lahiri	Parantal@microsoft.com	Microsoft	Microsoft
Louie Lee	1735 Lundy Avenue San Jose CA 95131-1814, US louie@equinix.com desk: +1 (408) 454-2185	Equinix	Equinix
Peter Stassar	Peter.Stassar@huawei.com	Huawei	Huawei
Jeff Maki	jmaki@juniper.net	Juniper	Juniper
Dirk Breuer	d.breuer@telecom.de	Deutsche Telecom	Deutsche Telecom
Robert Lingle, Jr.	rlingle@ofsoptics.com	OFS	OFS
Ryan Latchman	Ryan.latchman@mindspeed.com	Mindspeed	Mindspeed
Sudeep Bhoja	sbhoja@inphi.com	Inphi	Inphi
Mike Dudek	Mike.dudek@qlogic.com	QLogic	QLogic
Hiroshi Hamano	Hamano.hiroshi@jp.fujitsu.com	Fujitsu Labs	Fujitsu Labs
Nishihara Susumu	nishihara.susumu@lab.ntt.co.jp	NTT	NTT

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Taichi Kogure	Taichi.kogure@opnext.com	Opnext	Opnext
Rick Rabinovich	Rick.rabinovich@alcatel-lucent.com	Alcatel-Lucent	Alcatel-Lucent
Beth Kochuparambil	edonnay@cisco.com	Cisco	Cisco
Scott Sommers	Scott.sommers@molex.com	Molex	Molex
Tom Palkert	tpalkert@vlsi.com	Xilinx, Molex, Luxtera	Xilinx, Molex, Luxtera
Paul Kolesar	pkolesar@commscope.com	Commscope	Commscope
Jianyao Chen	jchen@gigoptix.com	Gigoptix	Gigoptix
Megha Shanbhag	Megha.shanbhag@te.com	TE Connectivity	TE Connectivity
Nathan Tracy	ntracy@te.com	TE Connectivity	TE Connectivity
Francois Tremblay	ftremblay@semtech.com	Semtech	Semtech
Mabud Choudhury	mabud@commscope.com	Commscope	Commscope
Masashi Kono	Masashi.kono.bp@hitachi.com	Hitachi	Hitachi
Velu Pillai	vpillai@broadcom.com	Broadcom	Broadcom
Vasu Parthasarathy	vasu@broadcom.com	Broadcom	Broadcom
Hugh Barrass	hbarrass@cisco.com	Cisco	Cisco
Marc Dupuis	mdupuis@te.com	TE / Madison	TE / Madison
Eric Hall	Eric.hall@aurrion.com	Aurrion	Aurrion
Daniel Sparacin	Daniel.sparacin@aurrion.com	Aurrion	Aurrion
Gary Nicholl	gnicholl@cisco.com	Cisco	Cisco
Katsuhisa Tawa	ktawa@sei.com.jp	Sumitomo	Sumitomo

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Greg McSorley	Greg.mcsorley@amphenol-highspeed.com	Amphenol	Amphenol
Wheling Cheng	wcheng@juniper.net	Juniper	Juniper
John Petrilla	John.petrilla@avagotech.com	Avago Technologies	Avago Technologies
Dan Dove	ddove@apm.com	Applied Micro	Applied Micro
Joel Goergen	jgoergen@cisco.com	Cisco	Cisco
Frank Chang	ychang@vitesse.com	Vitesse	Vitesse
Yasuaki Kawatsu	Kawatsu.yasuaki@hitachi-cable.co.jp	Hitachi Cable	Hitach Cale
Koichiro Seto	Seto.koichiro@hitachi-cable.co.jp	Hitachi Cable	Hitachi Cable
Hidehiro Toyoda	Hidehiro.toyoda.rt@hitachi.com	Hitachi	Hitachi
Dave Chalupsky	David.chalupsky@intel.com	Intel	Intel
John Morris	John.morris@spirent.com	Spirent	Spirent
Tom McDermott	Tom.mcdermott@us.fujitsu.com	Fujitsu	Fujitsu
Jim Keeley	Jim.keeley@lsi.com	LSI	LSI
Ghani Abbas	ghani.abbas@ericsson.com	Ericsson	Ericsson
Jack Jewell	jack@greenvcsl.com	Commscope	Commscope
John McDonough	John.mcdonough@necam.com	NEC America	NEC America
Norman Swenson	Norm.swenson@clariphy.com	Clariphy	Clariphy
Rick Rabinovich	rick@resrealty.com	Alcatel-Lucent	Alcatel-Lucent
Ted Sprague	tsprague@infinera.com	Infinera	Infinera

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Revision History:

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0.1 (Draft)	John D'Ambrosia	03 Apr 2012
0.2 (Draft)	James Wendorf (IEEE)	18 Apr 2012
0.3 (Draft)	John D'Ambrosia	01 May 2012
1.0	John D'Ambrosia	01 June 2012
1.1	John D'Ambrosia	11 July 2012
<u>1.2</u>	<u>John D'Ambrosia</u>	<u>19 July 2012</u>

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