

Ethernet Alliance® Publicly Releases Interoperability Test Findings for 40 Gigabit and 100 Gigabit Ethernet

In its Role of Bringing Ethernet Standards to Life, the Ethernet Alliance Released Multiple New White Papers Including Test Results From Industry's First Data Center Bridging Congestion Notification Interoperability Event

November 15, 2010, Mountain View, CA – The Ethernet Alliance has announced the release of a collection of new white papers including two interoperability white papers. The first interoperability white paper details the test results of the Higher Speed Ethernet (HSE) subcommittee's plugfest for products designed to support IEEE Std. 802.3ba™-2010, 40 and 100 Gbps Ethernet. The second interoperability white paper covers the Ethernet in the Data Center subcommittee's data center bridging (DCB) plugfest that included the first interoperability testing of IEEE Std. 802.1Qau™-2010 Congestion Notification (QCN). Additional new white papers posted to the site include: 40 Gigabit Ethernet Market Potential; Data Center Bridging; and 10GBASE-T for Broad 10 Gigabit Adoption in Data Centers.

"The Ethernet Alliance plays an important role in the Ethernet industry by providing end users with educational opportunities and resources to help them adopt new Ethernet products quickly and easily into their infrastructures," said Seamus Crehan, president of Crehan Research. "Through white papers, technology exploration forums, interoperability tests and public demonstrations, members of the Ethernet Alliance position themselves as leaders in developing Ethernet standards into marketable products."

Both plugfest papers provide valuable insights into the status of interoperability for these standards and have been made available in conjunction with the [Ethernet Alliance's SC10 demonstration](#) at booth #4513 that includes 18 member organizations. A comprehensive technology demonstration will include 10GbE, 40GbE and 100GbE as well as converged traffic including FCoE, 10GBASE-T, iSCSI, iWARP and RoCE. To download the white papers available in conjunction with the SC10 demonstration, please visit the above SC10 link.

For the HSE white paper, go to

http://ethernetalliance.org/library/higher_speed_ethernet_40gbs_and_100gbs_ethernet/white_papers

To view the DCB white paper, go to

http://ethernetalliance.org/library/ethernet_in_the_data_center/white_papers.

Sixteen Ethernet Alliance members participated in the HSE interoperability testing including Altera, Amphenol, CommScope, Cisco, FCI, Finisar, Ixia, Leviton, Mellanox Technologies, Opnext, Panduit, Siemon, Sumitomo Electric, Vitesse Semiconductor, and Volex. The companies gathered at Ixia's iSimCity in Santa Clara, California during the week of September 13, 2010 assisted by the University of New Hampshire Interoperability Lab (UNH-IOL) to verify interoperability of test equipment, switches, routers, NICs, transceivers and cabling. Complete success was achieved for interoperability between transceivers, cables and systems tested, except for one cable that was determined to be faulty due to incorrect assembly.

The DCB plugfest took place the week of May 17, 2010 and focused on testing the interoperability of cabling, test equipment, network adapters, storage systems and switches built to support IEEE 802.1

DCB standards and draft standards. Member participants including Cisco, Dell, Emulex, Ixia, JDSU, Leviton, Marvell, Mellanox Technologies, Panduit, QLogic, Spirent, and Volex. In addition, to the of interoperability testing of QCN, testing also included DCB Capability Exchange Protocol (IEEE P802.1Qaz), Enhanced Transmission Selection (IEEE P802.1Qaz) and Priority-based Flow Control (IEEE P802.1Qbb).

[SC10](#) will be held from November 16th – 18th at the Ernest N. Moriale Convention Center (ENMCC) in New Orleans, Louisiana.

About the Ethernet Alliance

The Ethernet Alliance is a global consortium that includes system and component vendors, industry experts and university and government professionals who are committed to the continued success and expansion of Ethernet technology. The Ethernet Alliance takes Ethernet standards to market by supporting activities that span from incubation of new Ethernet technologies to interoperability demonstrations and education.

For more information, visit www.ethernetalliance.org. Individuals who would like to receive updates on Ethernet Alliance news, activities and events may sign up for the organization's newsletter at www.ethernetalliance.org/newsletter.

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