

Opening Report

IEEE 802.3 Working Group
25GBASE-T Call For Interest

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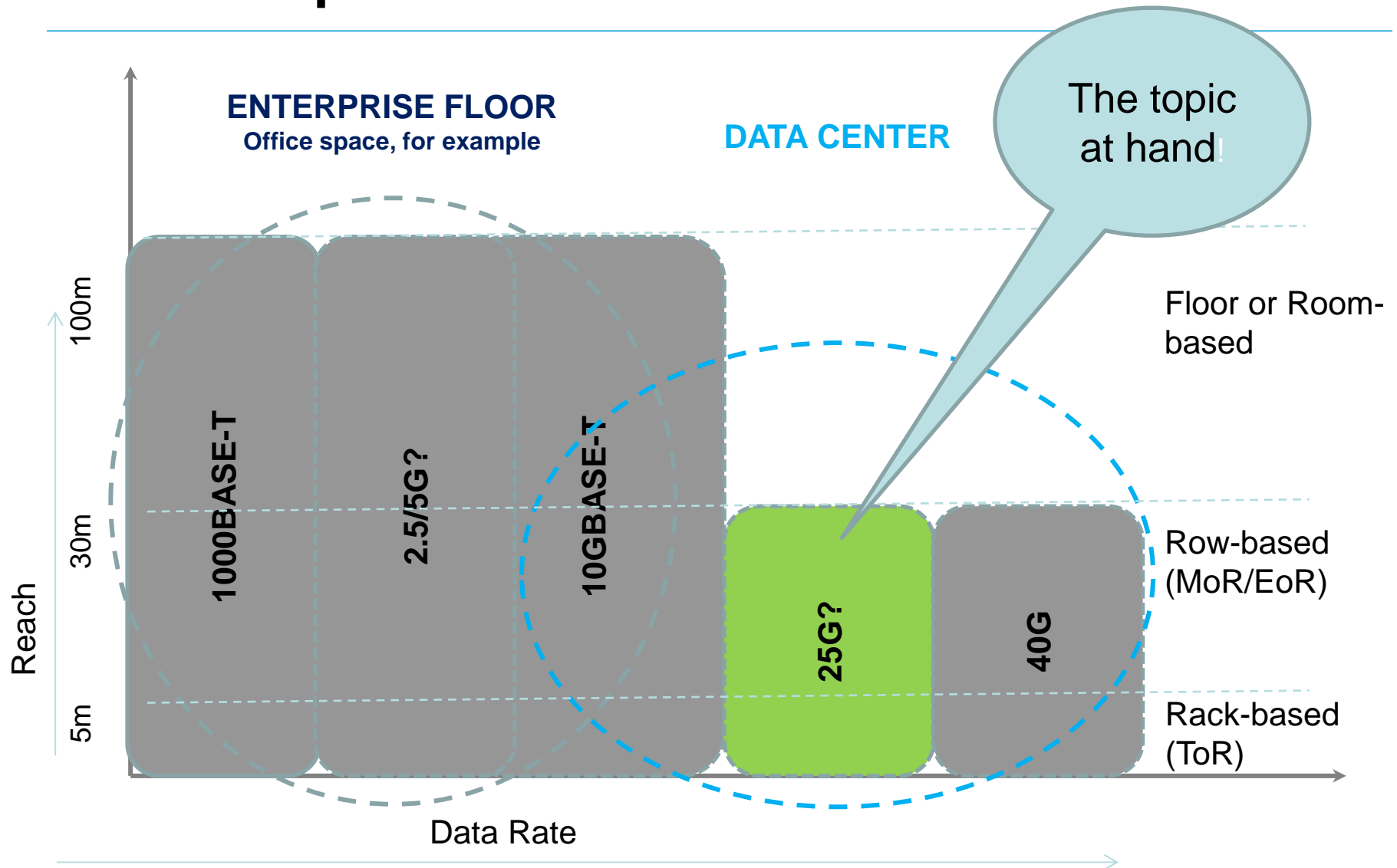
San Antonio, Texas

November 3, 2014

Overview and Motivation

- In LAN markets where the user priority is on ease of use, support for mixed speeds, and varied network topologies, BASE-T Ethernet is widely deployed.
- The majority of Ethernet ports in enterprise servers (~75% of servers shipping today) are 1000BASE-T, with the attach rate for 10GbE increasing.
- 25GbE allows for maximized connectivity and minimized cost/bit in the server to switch connection. These same attributes can be applied to the BASE-T ecosystem.
- Our Call For Interest Consensus Building presentation will examine the market drivers and technical feasibility of 25GBASE-T.

The Spaces of BASE-T



Logistics

CFI information posted at

- http://www.ieee802.org/3/cfi/request_1114_2.html

Consensus building presentation

- Tuesday, November 4, 2014
- 7:30PM to 9:00PM
- Room: Texas AB, 4th Level

The vote to determine if a Study Group will be formed will take place at the IEEE 802.3 Closing Plenary on the afternoon of Thursday 6th November.

Call For Interest

The rapid progress of the 25 Gb/s Ethernet Study Group highlighted the broad market potential for 25 Gb/s Ethernet switch-to-server interconnect in a range of data center wiring architectures including within-rack, adjacent rack, middle-of-row, and end-of-row switching topologies. At the 10 Gb/s rate, the use of BASE-T for these applications is growing as an augment to fiber and direct-attach twinax copper. The IEEE P802.3bq 40GBASE-T Task Force has been addressing switch-to-server interconnect for these topologies at a 40 Gb/s rate. At this time, there is no path for data centers to utilize cost-effective and backwards compatible BASE-T technology for 25 Gb/s Ethernet. This Call For Interest is a request for the formation of a study group to explore 25 Gb/s BASE-T Ethernet and potentially extending the work of the IEEE P802.3bq Task Force to include it.

Thank You!