

100GbE Electrical Backplane / Cu Cabling Call-For-Interest Opening Plenary Report

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Overview

- There is no 100GbE backplane solution, but.....
 - Networking equipment - faceplate capacities are challenging current backplane solutions
 - Blade Servers - 40GbE Backplanes need to support 100GbE
- 100GbE Cu Interfaces narrower than 100GBASE-CR10
 - Can leverage backplane solutions
 - Potential lower cost and wider application usage
- Goal of the CFI is to form a study group to explore the market need and solutions for these application spaces.

Logistics

- There will be a consensus building presentation:
- Date – Tuesday, November 9
- Time – 6:30pm to 8:00pm
- Location – Reunion BC (Lobby Level)
- CFI Consensus Presentation - http://www.ieee802.org/3/cfi/1110_1/CFI_01_1110.pdf

Call-For-Interest

- Front panel port density and electrical backplane bandwidth requirements are being driven upward by aggregation and computing applications. For the front panel, these applications will drive the need for a narrower 100 Gb/s Ethernet interface for copper twinaxial cable assemblies than currently defined by 100GBASE-CR10. For the backplane, these applications will drive the need for a 100 Gb/s Ethernet interface which is not currently defined by an IEEE standard. This call for interest will request the formation of a study group to explore the market need and solutions for these application spaces.