

IEEE 802.3 10Mb/s Backplane Ethernet Call For Interest Opening Report

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Overview: Motivation

- Internal serial control interfaces are common in server and switches.
- Existing serial interfaces form a high percentage of design/debug/support issues.
- Management Interfaces have not kept up with BW requirements
- As complexity increases, management interface needs require reliability and fast access
- 10SPE could replace a number of these (e.g., I2C/SMBus, MDIO) for many applications.

Call for Interest -10MB Backplane Ethernet

- Current Serial interfaces used for intra-system management in servers and switches have many drawbacks. There is a strong desire from leading OEMs to consolidate the existing serial interfaces into an industry standard Ethernet-Based solution. By leveraging the existing ecosystem of Ethernet development and validation of the systems is streamlined. The use cases described are not fulfilled by the existing 802.3 standards.

Logistics

- Consensus building meeting
 - Tuesday, November 7, 2017
 - 6:00PM to 6:40PM
 - Room: Grand Sierra D