10GFC Liaison Report

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10GFC Project Status

- 10GFC Proposed To NCITS T11 In Aug, 1999

- Response To IEEE P802.3ae Project

- Intended As The Next Speed Step For FC
  - 1X, 2X, 12X For Intercabinet Applications
  - 1X = 850 Mbps, 12X = 10.2 Gbps Data Rate

- Plan Is To Leverage P802.3ae Physical Layer
  - Adds Fibre Channel Specific Objectives

- Baseline Proposals Chosen, Document Started
  Draft 1.0 - ftp://209.26.30.221/t11/pub/fc/10gfc/00-489v0.pdf

10GFC Specific Objectives

- Short-Haul Optical PMDs
  - 850 nm WDM
  - 850 nm 4 Lane Parallel & Connector
- Short-Haul Copper PMDs
  - 4 Lane Parallel W/Equalization & Connector
- Signal and Sequence Ordered-Sets
  - LSS Protocol For OAM&P
- FC-BB-2 (Back Bone) T11 Project
  - 10GFC WAN PHY
- Loop (FC-AL) Is a Non-Objective

10GFC and 10GE

- Cooperation Between IEEE P802.3ae and NCITS T11 10GFC Project Desired

- Common Component Goal

- Formal Request Passed to P802.3ae Chair

Cooperation Particulars

- T11.2/3 Working Group Members Desire Access To P802.3ae Working Drafts

- T11 Desires To Reference IEEE 802.3ae Standard In 10GFC Document

- T11 Desires To Reserve Certain Codes for 10GFC Usage in IEEE 803.3ae Standard
  - E.g. Encoding for XGMII and PCS Codes For Sequence, Signal and LSS Ordered-Sets