INCITS T11.2 Activities Report

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Present status of FC-PI4

- **FC-PI4 has completed T11 ballot and has been forwarded to INCITS for public review. (Rev 8.0).**
  - **Expectation is that there will be no further technical changes.**

New content in FC-PI4.

- **FC-PI4 contains the following new 8G Fibre Channel variants (8.5Gb/s)**
  - **150m on OM3 limiting variant (850nm)**
  - **300m on OM3 linear variant (850nm)**
  - **1.4km SMF variant (1300nm)**
  - **10km SMF variant (1300nm**
  - **Beta point (disc drive interface)**
  - **Epsilon point (Blade server interface. Backplane)**
  - **Informative annex for Passive copper cables using the same interface as the optical modules.**
  - **Informative annexes showing the trade off possible between additional connector loss and shorter distances for multimode systems and between OM3 and OM2 mixed fiber plant distances.**
- **In addition OM3 specifications and distances have been made normative for 1GFC, 2GFC and 4GFC.**

16G FC

- **At the June meeting the first technical discussions and presentations were made on 16G FC.**
  - **Presentations showed 850nm VCSEL performance, and suggested that both limiting (maybe including CDR in the module) and linear variants should be defined for multimode fiber.**
  - **Initial channel models for copper channels were discussed.**
  - **Discussions were also started on whether the coding scheme should stay 8B10B or whether a more efficient code (64B/66B) should be used instead.**

16G FC requirements.

- **The Fibre Channel Industry Association (FCIA) has provided marketing requirements for 16GFC. (See below) FC-PI4 refers to 8GFC FC-PI5 refers to 16GFC**

PI-4 and proposed PI-5 distances

Description	PI-4 Variant	PI-4 distance	PI-5 target	Units
OM1	SN/SA	21/40	None	m
OM2	SN/SA	50/100	50	m
OM3	SN/SA	150/300	100-150	m
OM4	none	none	150-300	m
Passive copper	Direct attach	5	3.1415927	m

Other Items of interest

- **The MSQS ad-hoc is re-starting with a purpose to improve modeling and test procedure definition for Fibre Channel systems.**
- **The FC-PI3 ad-hoc is re-starting to complete the work on the 10GFC electrical specification. This is based on XFI, but improvements (relaxations) have been suggested.**

Upcoming Meetings

- **August 4-8 2008 Seattle, WA**
- **October 6-10 2008 Providence, RI**

- **For additional information see**
  - http://www.t11.org/index.html