

Minutes 2/7/2008 40G SMF PMD Ad Hoc

Recorded that every participant had a chance to read the patent policy prior to the meeting.

Provided an opportunity to identify patent claims or patent applications claims. None was reported.

Agenda

- refresh of Portland presentation
- 5 criteria discussion
- Technical proposals

Review of barbieri_40_01_0208

- Questioned the justification of SMF on link length given the Flatman data. Also pointed out that 100m is not the limit of MMF but just a target - it could go further.
- Pointed out that 40G might represent a significant delay on 100G.
- Challenged on why 40G would delay 100G - some would argue 40GE will accelerate need for 100GE
- Questioned why the cost/application argument for 40GE holds today when it was argued against over the last 12 months

Review of barbieri_03_0108

- Raised concept of multiple types of users. Some will need 100G, some do not need to take that big step
- Concern about the implications of 100GE, how it will be deployed and evolve over time
- Comments - tier2 DC users would have stuck with 10GE
 - Views 40GE as an incremental upgrade on 10GE networks - not a delay in adoption of 100GE
- Pointed out the BMP response on 100GE is valid and not impacted by 40GE
 - Suggested the focus should be on what we need to change
 - Suggested that the only change needed is on the Economic feasibility response
 - Seems very reasonable that different users would need different levels of aggregation
- Need to have presentation showing the market dynamic of the DC users that will adopt 40GE sooner
 - Expect 40G in DC to come at expense of 10G not 100G
 - Users will be choosing between multiple 10Gs or a 40G
- Concerns about the BMP, distinct identity and economic feasibility language
- Comment – people should look at the language in the 5 criteria and send suggested changes to the reflector. Look at the language as it is written - not at what you thought at the time it was written - everyone has the right to change their thoughts. Does the language reflect the proposed new objective?

Review cole_40_01_0208

- Proposing leverage LX4 technology vs serial technology due to near term schedule and development cost
- 4x10G 1310nm link budget reviewed - could support 10km SMF and 100m OM3

- Comment that ISI penalty is rising fast @ 100m
- Cost factor - approximately equivalent to 4 10GE-LR optics

Review of traverso_40_01_0208

- Proposed leveraging LX4 technology with 10G per wavelength
- Analysed 40G serial - 10km is achievable with 0.5dB margin
- Serial will be the lower cost technology mid-long term

Attendees (recorded by email response)

Gary Nicholl, Cisco
Jim M. Tavecchi, Santur
Chris Cole, Finisar
Christian Urricariet, Finisar
Lew Aronson, Finisar
John Jaeger, Infinera
Justin Abbott, Gennum Corporation
George Young, AT&T
David Cunningham, Avago
Pete Anslow, Nortel
Mark Nowell, Cisco
Schelto vanDoorn, independent
Pierangelo Chiappa, Alcatel-Lucent
Wenbin Jiang
Frank Chang, Vitesse
Norbert Folkens, JDSU
David Piede, Lightwire
Larry Green, IXIA
Jeff Maki, Juniper
Howard Frazier, Broadcom
Serbay Murat, MergeOptics
Fiere Julien, MergeOptics
Michael Ressler, Hitachi Cable America
Matt Traverso, Opnext
Steve Song, Excelight
Eddie Tsumura, Excelight
Alessandro Barbieri, Cisco