

## **Minutes 25Gb/s Ethernet Architecture ad-hoc meeting 8/12/14**

Proposed agenda:

- IEEE patent policy reminder
  - <http://www.ieee802.org/3/patent.html>
- Approval of the Agenda
- Presentations:
  - project – Mark Nowell, Cisco
  - architecture – Matt Brown, APM
  - PCS/FEC – Mark Gustlin, Xilinx
  - FEC/latency – Adee Ran, Intel
  - copper cable channels and test fixtures – Chris Diminico, ???
- Discussion

Matt presented the agenda slides.

Matt reminded everyone of the IEEE patent policy (<http://www.ieee802.org/3/patent.html>).

Matt asked if anyone had any objection to the agenda as presented. There were no objections.

**Presentations posted at:**

**<http://www.ieee802.org/3/25GSG/public/adhoc/architecture/index.html>**

### **Mark Nowell – Project update**

- reviewed slides
- draft language for objectives, CSD responses shared

### **Matt Brown – Architecture**

- reviewed slides
- potential architectures and Sources of specifications that could be leveraged
- discussion on MDI – is this the SFP28 connector – single lane MDI

### **Mark Gustlin – PCS/FEC Architectures**

- reviewed slides
- architectural options exist
- strong leverage and re-use from past clauses
- no issues substantiating technical feasibility

### **Adee Ran – FEC/latency**

- reviewed slides
- raised options for minimizing latency

- discussed MTTFPA trap – turning off FEC to save latency – unknown MTTFPA impact
- suggested considering latency objective, MTTFPA objective. Feedback was that they may not be necessary and would be considered in TF regardless

### **Chris DiMinico – Copper Cable channels & fixtures**

- reviewed slides
- Provided information related to developing the technical feasibility criteria for 802.3 25 Gb/s.
  - o Proposal for establishing 802.3 25 Gb/s Technical Feasibility •
- Reuse of 802.3bj channel/system related specifications for 802.3 25 Gb/s
  - o Test points
  - o Channel loss budget
  - o Cable assembly specifications
  - o Test fixture specification
  - o COMS

### **Discussion**

- limited time for discussions after Chris' presentation
- request for presentation requests for next week to Matt by Friday

Attendees ( from Webex attendance )

Ghani Abbas ericsson  
Scott Feller cortina-systems  
Vipul Bhatt inphi  
Matt Brown apm  
Rita Horner synopsys  
Arthur Marris - Cadence  
Andy Zambell fci  
sam sambasivan att  
Mark Pilip ezchip  
Frank Straka panduit  
Joel Goergen cisco  
chris diminico MC Communications/ PHY-SI LLC/Panduit  
Adee Ran intel  
Megha Shanbhag te  
Steve Trowbridge alcatel-lucent  
Mark Nowell cisco  
Mark Gustlin xilinx  
rashid synopsys  
Tom Brown vitesse  
Piers mellanox  
mike dudek qlogic  
Myles emulex  
Ingvar Froroth marvell  
Rich Mellitz intel  
Erdem Matoglu amphenol-tcs  
Nathan Tracy te  
Vineet cisco  
Marty vitesse  
Dave Brown semtech  
Peter Anslow ciena  
Bob Wagner panduit  
Jeffery Maki juniper  
Adam Healey avagotech  
Paul Kolesar commscope  
David Ofelt juniper  
Tony Zortea pmcs  
Ron Muir jae  
john petrilla avagotech  
Derek Cassidy bt  
Pirooz Tooyserkani cisco  
Beth Kochuparambil cisco  
Gary Nicholl cisco  
Xinyuan Wang huaweri

David Chalupsky	intel
Shankar	cisco
Jeffery Maki	juniper
Jacky Chang	hp