

Technical Directions of the Study Group

- **Signal names vs pin assignments**
 - *Group accepts proposed pin-out as described in CFI presentation at Kauai (Y 25 N 0 A 3)*
- **Step Response vs Eye Diagram method of measurement at near end**
 - *Group believes step response with 5one5zero pattern is preferable way to perform the measurement/specification (Y 17 N 0 A 12)*
- **Pre-emphasis terminology**
 - *Definition for Pre-emphasis = $1 - V_{low}/V_{high}$ (Y 12 N 2 A 11)*
 - *Definition for Pre-emphasis = Beta (Y2 N 8 A 14)*
 - *Definition for Pre-emphasis = Alpha (Y 2 N 8 A 14)*
 - *Definition for Pre-emphasis = $V_{high}/V_{low} - 1$ (Y9 N 0 A 15)*
 - **Pre-emphasis 21, Pre-distortion 5, TX Equalization 8**
- **Pre-emphasis + RX equalization vs Pre-emphasis only**
 - *Group believes Pre + RX should be basis for moving forward (Y 21 N 0 A 8)*
- **Best/Worst Case channel loss – define it**
 - *Use Chris’s model as a basis of agreement for “worst case channel” (Cable Assembly) (Y 25 N 0 A 3)*
- **Thumbscrew vs Latch**
 - *Group wants to go with latch (Y17 N 0 A 11)*

- **Return Loss Spec – different from XAUI**
 - *Chris/Jim Nadolni will develop for short/long cable assemblies (affirmed)*
- **Test methodology – leverage or develop new method**
 - *Group believes we should consider these at the January meeting after we have had more time to study the issues (Y N A)*
- **Launch voltage and sensitivity(at MDI)**
 - *Group believes that as placeholders we will accept the following*
 - *maximum of 1600mvp/p diff is acceptable for Vhigh*
 - *Minimum Launch voltage 800mvp/p diff for Vhigh*
 - *Minimum Receive sensitivity 100mvp/p diff*
 - *(Y 18 N 1 A 5)*
- **Equalized vs Unequalized cable**
 - *We will spec on the assumption of un-equalized cable (Y 18 N 0 A 2)*
- **Test Compliance points – methods**
 - *MDI will be point of compliance measurement; Fixture spec will be required; Dan will work on this; (Y 22 N 0 A 1)*
- **MDNEXT / MDFEXT (Need S parameter limit)**
 - *>28dB MDNEXT attenuation on assembly at (or below) 2Ghz*
 - *>26dB MDFEXT attenuation on assembly at (or below) 2Ghz*
 - *More study needs to be done on this – Chris/connector guys volunteer (Y 14 N 0 A 8)*
- **Transmit Jitter Spec**
 - *Keep XAUI spec – apply at MDI (Y 17 N 0 A 6)*

Editorial Contribution

Title and Contents; Howard Baumer

Clause – 30 : David Law (Dan will Confirm)

Clause – 44 : Intro and Overview - Naresh Raman

Clause – 45 : Mgmt – Peter Bradshaw

Clause – 46 : Reconciliation XGMII - Naresh Raman

Clause – 47 : XGXS – XAUI – Dan will solicit a few people

Clause – 48 : PCS, PMA, 10GBASE-X – Jeff Cain

Clause – 54 : Howard Baumer