

A decorative border consisting of multiple parallel lines in the colors of a rainbow (red, orange, yellow, green, cyan, blue, magenta) runs along the left and bottom edges of the slide. A black triangle is located at the bottom-left corner, pointing towards the center.

P802.3ae Logic Track Summary

Ben Brown

P802.3ae TF Logic Track Chair

09-November-2000

Major Motions

- MDIO to create an ad hoc for determining the electrical characteristics
- XGMII is using HSTL, 1.5v Class1
- XGMII timing is source centered
- PCS needs delimiter robustness

XAUI Electrical Results

- Receive eye
 - M1. Approved complete eye definition (Unanimous)
- Compliance channel
 - M2. Agreed on a specification method (Unanimous)
 - Formed the *XAUI Channel Team* to fill out proposal by January
- Transmit amplitude
 - M3. Agreed to use transmit eye as alternate compliance test. (Unanimous)
 - M4. Increased max signal amplitude from 1.0 to 1.6 V_{ppd} (36-1-7).

XAUI Electrical Results

- Jitter specification
 - Formed the *XAUI Jitter Team* to work with the 802.3ae Jitter Ad Hoc and develop a full proposal by January
- Common mode specifications
 - M5. Agreed on DC limits for Driver output: -0.3 to +2.3 (20:2:18)
 - M6. Agreed to spec CM return loss at driver and receiver (14:0:15)
- Inter-clause issues still outstanding
 - XGXS Signal Detect
 - Clause 48 squelch

Clause 49 Work for 2.0

- Add fault signaling (see slide)
- Add PCS to PMA bit order diagram to 49.1.4
 - with and without WIS
- Add PICS

Clause 50 Issues and Resolution

- MDIO register bits, functions, descriptions
 - Editor will update register descriptions in Clause 50 D2.0 in consultation with Clause 33(45)
- Signal detect handling, fault reporting
 - Already implemented in Clause 50 D1.1 as per Tuesday's fault reporting presentation, minor clarifications and modifications required to conform completely
- Loopback
 - Editor will clarify text in D1.1 to indicate that the WIS will send either all-zeros or all-ones to the PMA, and ignore received data from the PMA; must consult with PMD group on eye-safety issues

Clause 50 Issues and Resolution

- Clarification of bit ordering between WIS, PCS, PMA
 - Informative bit mapping figure will be supplied to Clause 49 editor
- Test patterns for WIS (jitter, etc.)
 - Deferred until they become available (contributions solicited)
- Final resolution on overhead bytes (+ related MIB items)
 - 2 presentations; motions to accept both (passed by breakout group)
- Informative figures for Section/Line overhead
 - Motion to include these (passed by breakout group)

Motion

Move that IEEE 802.3 affirm all
motions approved by P802.3ae
Task Force Logic Track

Moved : Ben Brown Seconded : Brad Booth

Y : N : A :

Passed by acclamation

Motion

Move that IEEE 802.3 affirm all motions approved by P802.3ae Task Force General Session regarding clauses 33, 46 & 51

Moved : Ben Brown Seconded : Brad Booth

Y : N : A :

Passed by acclamation

Motion

Move that IEEE 802.3 affirm the motion approved by P802.3ae Task Force regarding parallel Clause 53 replacement

Moved : Ben Brown

Seconded : Brad Booth

Y : N : A :

Failed - I didn't get the numbers!