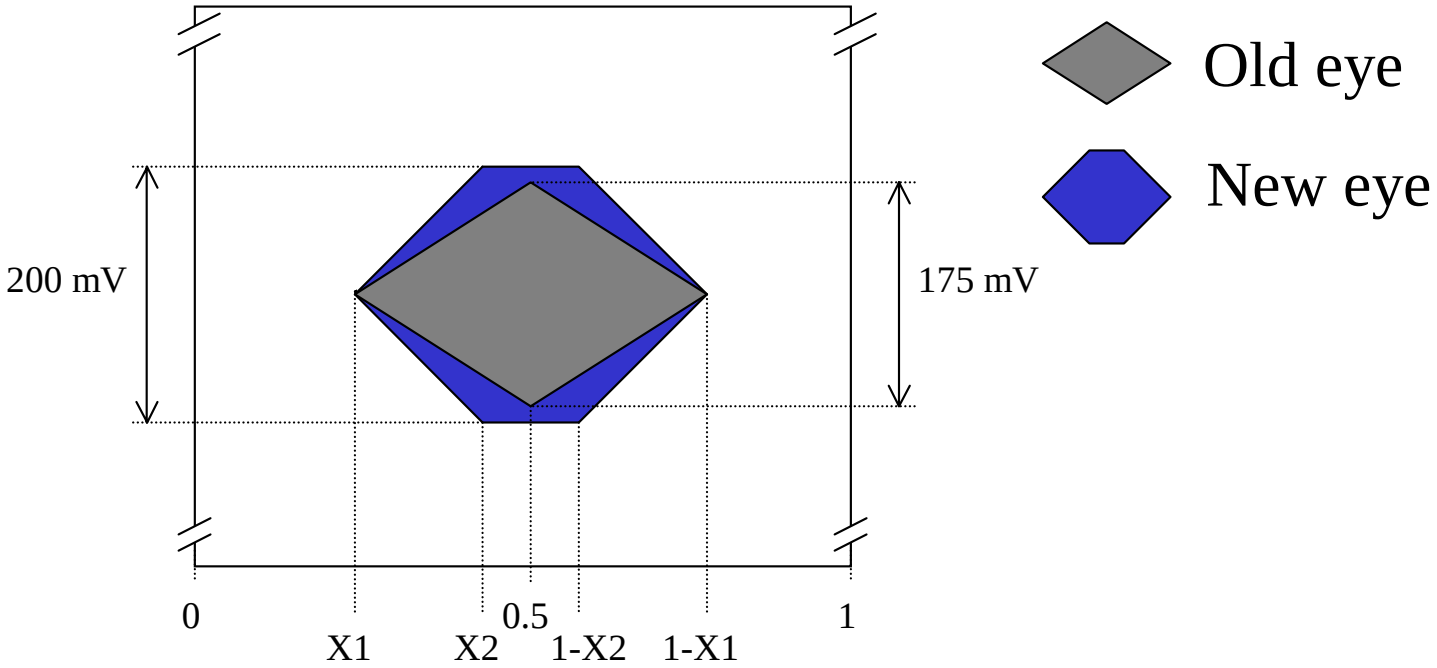
XAUI Electrical Results

- 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

M1. Receive eye
(unanimous in breakout)



Change the receive eye to a hexagon with X1 = 0.325 UI, X2 = 0.45 UI and amplitude of 200 mV_{p-p} differential.

M2. Compliance Channel

(unanimous in breakout)

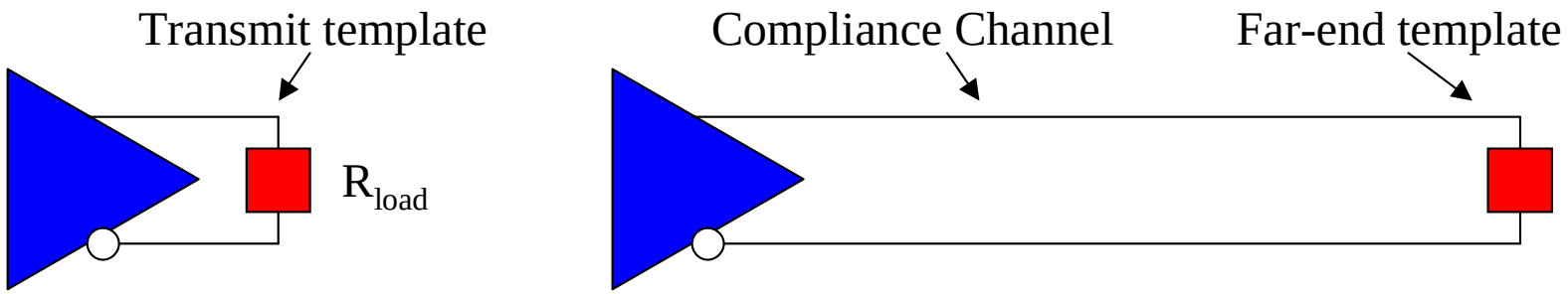
Specify a compliance channel as follows.

1. Specify the upper bound on S21 magnitude.
2. Specify the minimum ISI loss.
3. Specify the maximum group delay.
4. Specify the channel impedance.

M3. Transmit Eye

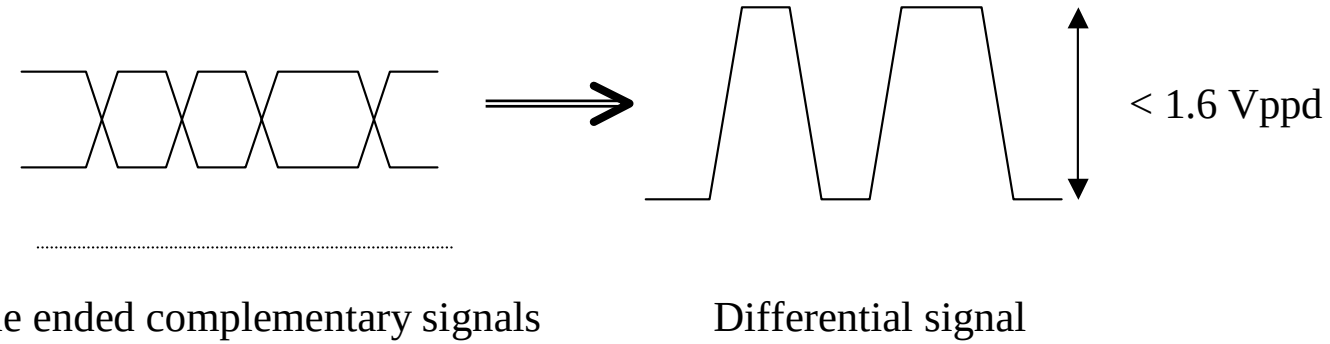
(unanimous in breakout)

A transmit eye will be added to the body of the standard as an alternate test method to verify driver compliance. This transmit eye will correlate to the approved receive eye when propagated through the compliance channel.



M4. Maximum Amplitude
(36:1:7 in breakout)

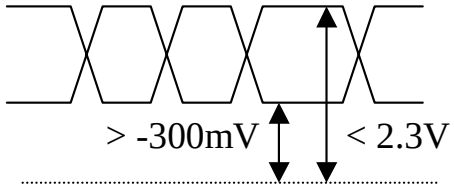
Change the maximum driver output amplitude and receive input amplitude from 1.0 V to 1.6V peak-to-peak differential.



M5. Driver Voltages w.r.t. Ground

(20:2:18 in breakout)

Specify ground-referenced limits on the driver output voltage of -300mV to +2.3V, applicable to all operating and non-operating modes such as power down, reset, equalization on or off, etc.



Single ended complementary signals

M6. Common Mode Return Loss

(14:0:15 in breakout)

Specify common mode return loss for the driver and receiver.

Motion

Approve clause 47 M1 through M4 and M6 as presented in kesling_3_1100.

Moved: D. Kesling

802.3 voters Y: Unanimous by acclamation

Result: Pass

Motion

Approve clause 47 M5 as presented in kesling_3_1100.

802.3 voters	Y: 64	N: 3	A: 22
Result:	Pass		