



# Clause 47 – XAUI

Ten Gigabit Attachment Unit Interface

# Clause Status

- Functional section references clause 48 (10GBASE-X PCS and PMA) for:
  - Control character and code group mapping
  - Lane de-skew
  - Clock rate compensation
- Other sections are self-contained
  - Electrical section needs work immediately
  - PICS will also need attention in the future



# Issues (Electrical)

- Driver characteristics
  - Far-end template details
  - Link model definition
  - Pre-emphasis standardization
  - Ringing limits
  - Driver load definition
  - Output impedance definition
- Receiver characteristics
  - AC coupling location
  - Input impedance



# Editor's Assumptions

- Far-end template applies to all link lengths (0" to 20")
- Driver characteristics neglect pre-emphasis (amplitude, rise time, ...)
- AC coupling located at receiver