Copper “Cu” Sub-Task Force
Closing Report
Quebec, Quebec CA - May 2009

Cu Sub-Task Force Chair
Chris Di Minico

Editor(s) – Ryan Latchman
Arthur Marris
Cu Sub-Task Force

• Cu Sub-Task Force Chair and Editor for 40GBASE-CR4 and 100GBASE-CR10, clause 85
  – Chris DiMinico

• Editor, 40 Gb/s (XLAUI) and 100 Gb/s (CAUI) interfaces, Annex 83A, 83B
  – Ryan Latchman

• Editor, Clauses 69, 73, 74, 84, Annexes 69A, 69B
  – Arthur Marris
Ballot comment resolution

- Resolved all T/TR/ER’s

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<tr>
<th>Clause/Annexes</th>
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Key items closed

Test points and transfer functions; normative/informative
• Normative: Cable assembly – [TP1 and TP4], Transmitter [TP2], Receiver [TP3]
• Informative: Channel-[TP0 to TP5], Tx and Rx PCB boards [TP0 to TP1] and [TP4 to TP5]
• TP2 testing – (1) TWDP, (2) Transfer Tx parameters to TP2, extract IL
• TP3 testing [interference tolerance test]

Test Fixtures
• TP2, TP3 – Transmit and receiver
• TP2 and TP4 – cable assembly

CR10 connector
• contacts lane assignments

Frequency range (min): cable assembly and channel

Cable Assembly
• testing and specification refinements

Channel
• specification refinements - upper bound for crosstalk of short channels

Tx and Rx PCB
• minimum and maximum PCB loss and testing
Key items closed

Annex 83A:
• Proposed updates with respect to values for:
  • compliance point loss budget
  • de-emphasis range
  • FR4 receiver stress amount

Annex 83B:
• Proposed updates with respect to values for
  • Compliance point loss budget
  • FR4 receiver stress amount
  • De-emphasis range
  • Crosstalk specification