| Clause | Page | Line | Commenter | Comment | Suggested change | Proposed resolution |
|---|---|---|---|---|---|---|
| 98.6.1.2 | 164 | Table 98-15 | Brett McClellan | Bit 16 description is incorrect, 'U16 10GBASE-T ability (1=support of 40GBASE-T and 0 = no support)' | Change to 'U16 10GBASE-T ability (1 = support of 10GBASE-T and 0= no support)', and define bit in Next Page for 40GBASE-T | Accept |
| | 98 | Gene ral | Dieter Schicketanz | it says often up to 30 m, is that a length limitation? If the channel values are met it could be more. Should it not be at least 30m? | Discuss | REJECT |
| | 1 | 14 | 20 | Dieter Schicketanz | Different definitions in ISO and TIA | Change Category to Class | |
| | 1 | 14 | 28 | Dieter Schicketanz | Different definitions in ISO and TIA | Change Category to Class | REJECT - definition reflects usage in the document |
| 98.5.4.3 | 161 | 13 | Dieter Schicketanz | Common Mode Noise Rejection - there is no limit as the cabling is shielded now measurement set up may have to be redefined | Discuss | REJECT - need specific proposals |
| 98.5.4.5.1 | 162 | 26 | Dieter Schicketanz | Short reach test channel - category is wrong | Discuss | REJECT - text is not in the spec - only there as editors note marked needed to delete or replace w/appropriate channel |
| | 98.7 | 168 | 1 | Dieter Schicketanz | Where is the definition of IEEE link | Discuss | REJECT - link segment is defined under definitions |
| 98.7.2.2 | 170 | 22 | Dieter Schicketanz | What is this? Could be deleted is explained better in 98.7.1 | Discuss | Discuss |
| 98.7.2.4.4 | 172 | 36 | Dieter Schicketanz | ACR-F: '100 meter reference?' Also formula 98-22, IEC draft specifies 50m, published TR11801-9901 also 50m, TIA draft 30m, should be left TBD for the moment | Replace 100m with TBD | Discuss |
| 98.7.2.6 | 173 | 33 | Dieter Schicketanz | Link delay skew, 50/570 = ~9% does not match 4% resistance unbalance. | Discussion needed which one is more important | Discuss |
| 98.7.4 | 175 | 50 | Dieter Schicketanz | Needs update to 40G | Update to 40G | REJECT - specific updates not identified nor apparent |
| 98.8.1 | 175 | 40 | Dieter Schicketanz | MDI connectors should be called 'connections' | Change title to MDI connections, Fig 98-41 is a connector, OK | REJECT - IEEE nomenclature is consistent with other clauses |
| 98.8.1 | 176 | 53 | Dieter Schicketanz | Figure is called 'connector - should be called a plug | Change caption nomenclature from 'connector' to 'plug' | REJECT - IEEE nomenclature is consistent with other clauses |
| 98.8.2 | 177 | 30 | Dieter Schicketanz | All electrical values are still Cat6a | Update to 40G values | ACCEPT IN PRINCIPLE - Add editors note - MDI electrical characteristics to be specified |
| 98.9.2 | 180 | 7 | Dieter Schicketanz | General wording OK but use reference to nearly finished bonding TR from ISO (ISO/IEC 30129) | Consider reference to ISO/IEC 30129 | Discuss |
| 98.9.3 | 180 | 28 | Dieter Schicketanz | Installation and maintenance practices - delete wording, just reference ISO/IEC 14763-2, bonding here is wrong. | Delete wording, reference ISO/IEC 14763-2, delete language on bonding | ACCEPT IN PRINCIPLE - Add ISO/IEC reference. Reference to bonding is in editors note, not text |
| | 98.7 | 168 | 3 | Alan Flatman | States that 40GBASE-T is designed to operate over Class I cabling – but we have not made this decision in 802.3bq. We have only adopted IL and RL requirements specified by Class I cabling. (COMMENT AF01) | Replace "ISO/IEC 11801 Class I" with "TBD" | |
| | 98.7 | 168 | 12 | Alan Flatman | Editor's note is premature. | Delete editors note | |
| 98.7.1 | 168 | 17 | Alan Flatman | See comment AF01 | Replace "ISO/IEC 11801 Class I" with "TBD" | |
| 98.7.1 | 168 | 23 | Alan Flatman | See comment AF01 | Replace "ISO/IEC 11801 Class I" with "TBD" | |

| Section | Page | Line | Commenter | Comment | Proposed Change | Resolution |
|---|---|---|---|---|---|---|
| 98.7.1 | 168 | 24 | Alan Flatman | Editor's note is premature. | Delete editor's note | |
| 98.7.2 | 168 | 30 | Alan Flatman | See comment AF01 | Replace "Class I" with "TBD cabling" | |
| Table 98-17 | 168 | 37 | Alan Flatman | See comment AF01 | Replace table content with "TBD" | |
| 98.7.2.4.4 | 172 | 35 | Alan Flatman | Equation 98-22 wrong & references 100m cable | correct | |
| 98.8 | 176 | | Alan Flatman | 802.3bq has not chosen an MDI connector as yet. | This entire subclause should be marked "TBD" | ACCEPT - Note undecided items as TBD |
| Table 98-17 | 168 | 38 | Wayne Larsen | The cabling entry should be ISO Class 1 / ISO Class 2 / TIA Category 8. Category 8.1 is an ISO designation of components.  There is no such channel designation.  The TIA is strictly Category 8 with no dots. | Repace entries as described | |
| Equation 98-15 | 170 | 37 | Wayne Larsen | Combine last 2 rows of RL equation | Combine last 2 rows of RL equation | |
| 98.7.2.4.2 | 171 | 17 | Wayne Larsen | MDNEXT and PSNEXT are same thing, redundant and only PSNEXT is used | a. Use the title of 98.7.2.4.3 as the title of 98.7.2.4.2. b. Change the variable in equation 98-17 to PSNEXT. c. Fill in the right side of equation 98-17 with whatever we agree on. d. Delete section 98.7.2.4.3. | |
| 98.7.2.4.4 | 172 | 28 | Wayne Larsen | Fill in Equation 98-21 right hand side | See proposal | |
| 98.7.2.4.4 | 172 | 40 | Wayne Larsen | Equation 98-22 is a length scaling equation, and it's fine to leave it in, but it's not exactly right since the connector contribution should not be length scaled based on the cable length. | Remove length scaling from connector contribution, or  If we leave it in, we should compare it with the equation for length scaling of ACRF in Annex D of the latest TIA draft. This equation breaks down the contributions of connectors and cables, and length scales only the cables, which would be correct. | |
| 98.7.2.4.5 | 172 | 47 | Wayne Larsen | MDACRF and PSACRF are same thing, redundant and only PSACRF is used | 6a. Use the title of 98.7.2.4. as the title of 98.7.2.4.5 b. Change the variable in equation 98-23 to PSACRF. c. Fill in the right side of equation 98-23 with whatever we agree on. d. Delete section 98.7.2.4.6 | |
| 98.7.2.5 | 173 | 26 | Wayne Larsen | Delay is inconsistent with 30m cable | Change delay to 176 nsec | ACCEPT |
| 98.7.2.6 | 173 | 33 | Wayne Larsen | Delay skew is inconsistent with 30m cable | Change delay skew tolerance to 3ns (from 10ns.  This is the same for both TIA and ISO, and in both class 1 and class 2 | ACCEPT |
| 98.8 | 176 | 36 | Wayne Larsen | Explain why MDI-X is needed, both here and in 10GBASE-T | Discuss | |
| 98.8.1 | 176 | 42 | Wayne Larsen | Connector references are inconsistent with bandwidth and channel | change from "IEC 60603-7-4 (unscreened) or IEC 60603-7-5 (screened)" to "IEC 60603-7-82". | |
| 98.8.2 | 177 | 37 | Wayne Larsen | Reference to 500MHz should be 2000MHz | Change  500 MHz to 2000 MHz | ACCEPT |
| 98.8.2.1 | 177 | 54 | Wayne Larsen | Equation 98-33 Specification to 500MHz should go to 2000MHz | equation 98-33, add a new row to specify a plateau of 3 dB from 500 to 2000 | |
| 98.8.2.1 | 177 | 50 | Wayne Larsen | Equation 98-33, (editorial) | move the dB to the left column, and add MHz as the units in the right column. This also applies to equation 98-34 on line 10 on page 178. | |
| 98.8.2.2 | 178 | 12 | Wayne Larsen | Equation 98-34, specifications to 500Mhz should go to 2000MHz | Extend frequency range to 2000MHz | |

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| 98.8.2.2 | 178 | 16 | Wayne Larsen | states that this requirement applies when the transmitter is transmitting, but the test method details state that only the part of the voltage that is due to the injected common mode counts and the transmitter is to be disabled during the test. | Discuss |
| 98.8.2.2 | 178 | 41 | Wayne Larsen | specifications to 500Mhz should go to 2000MHz | Extend frequency range to 2000MHz |
| 98.8.2.2 | 179 | 25 | Wayne Larsen | The resistors in figure 98-43 should be matched to each other within 0.1 %, otherwise an error will arise in the calibration. | Add note to this effect |
| 98.8.2.2 | 179 | 1 | Wayne Larsen | Figure 98-42 describes Ediff and points to a location, and the requirement specifies this relative to Ecm which is shown in the figure, but there is no clarity as to what point in the MDI to connect to for detection of Ediff, or what kind of interconnection network. The test on page 178 lines 48-54 describes doing this with a network analyzer and measuring Scd11, which would imply the NA becomes the common mode source (should really then be Sdc11), in which case the common-mode coupling circuit would not be needed, but again there is no clarity as to where and how to connect it. The common mode impedances are not consistent. It is specified 75 ohms in this case, 50 Ohms in figure 98-42, and the circuit of figure 98-43 implies 24.95 Ohms. | Discuss and reconcile |
| 98.7.2 | 168 | 28 | Chris Diminico | Set frequency range of all link segment parameters to 1 MHz ≤ f ≤ 2000 MHz | Set frequency range of all link segment parameters to 1 MHz ≤ f ≤ 2000 MHz |
| 98.7.3.2.1 | 174 | 45 | Chris Diminico | Remove coupling length correction from PSAACRF | Remove coupling length correction from PSAACRF |
| 98.7.2.1 | 169 | 1 | Chris Diminico | The insertion loss of each duplex channel using Equation (98–11) to Equation (98–14) unnecessarily complex. Equation can be simplified by regression. Link segment insertion need not implicitly represent cable and connector insertion losses. | Replace equations 98-11 to 98-14 with regression equation, per diminico_3bq_01_0914.pdf slide 5 |