Comment Type E  Comment Status D  
broken link  
Suggested Remedy
  Change: text 150.1  
  To: link to 150.10  
Proposed Response  Response Status W  
PROPOSED ACCEPT.

Comment Type E  Comment Status D  
missing space  
Suggested Remedy
  Change: 0 1 00  
  To: 0 1 00  
Proposed Response  Response Status W  
PROPOSED ACCEPT.

Comment Type E  Comment Status D  
Modify Editor Instruction based on 802.3cg change  
Suggested Remedy
  Change Editor Instruction to: Insert the following text after the fifth sentence of 45.2.1.185.2 (as modified by 802.3cg) as follows:  
Proposed Response  Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
Editor to update Editor Instruction based on P802.3cg D2p1.

Comment Type T  Comment Status D  
In Table 125-1, the "Description" of 2.5GBASE-T1 is "TBD modulation". It's not correct!  
Suggested Remedy
  The team had adopted PAM4 as the modulation of 2.5GBASE-T1 and 5GBASE-T1. Shall modify "TBD modulation" into "PAM4 modulation".  
Proposed Response  Response Status W  
PROPOSED ACCEPT.
Comment Type: T  Comment Status: D  EZ

In Table 125-1, the "Description" of 5GBASE-T1 is "TBD modulation". It's not correct!

Suggested Remedy
The team had adopted PAM4 as the modulation of 2.5GBASE-T1 and 5GBASE-T1. Shall modify "TBD modulation" into "PAM4 modulation".

Proposed Response  Response Status: W  PROPOSED ACCEPT.

Comment Type: E  Comment Status: D  EZ

Missing space

Suggested Remedy
Change: PAM4 for
To: PAM4 for

Proposed Response  Response Status: W  PROPOSED ACCEPT.

Comment Type: T  Comment Status: D  EZ

EEE is optimal for 5GBASE-T1

Suggested Remedy
Marked as "O"

Proposed Response  Response Status: W  PROPOSED ACCEPT IN PRINCIPLE.

Add "O" with underlining in cell (EEE, 5GBASE-T1)

Comment Type: E  Comment Status: D  EZ

Missing period at end of sentence.

Suggested Remedy
Add missing period.

Proposed Response  Response Status: W  PROPOSED ACCEPT.

Comment Type: T  Comment Status: D  EZ

The MDI is not part of the PHY and should not be shaded in Figure 149-1.

Suggested Remedy
Remove shading on MDI "box" in Figure 149-1.

Proposed Response  Response Status: W  PROPOSED ACCEPT.
| Cl | SC | Code | Page | Line | # | Comment Type | Comment Status | Suggested Remedy | Proposed Response | Response Status | Status
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>149</td>
<td>149.2.2.1</td>
<td>P58</td>
<td>L25</td>
<td>#13</td>
<td>E</td>
<td>Comment</td>
<td>D</td>
<td>Add periods at end of OK and NOT_OK statements</td>
<td>PROPOSED ACCEPT.</td>
<td>W</td>
<td>D</td>
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<tr>
<td>149</td>
<td>149.4.2.2</td>
<td>P70</td>
<td>L1</td>
<td>#16</td>
<td>E</td>
<td>Typo</td>
<td>D</td>
<td>Change: stat). To state.</td>
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<td>D</td>
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<tr>
<td>149</td>
<td>149.4.2.2</td>
<td>P70</td>
<td>L15</td>
<td>#18</td>
<td>E</td>
<td>Broken link</td>
<td>D</td>
<td>In section 149.4.2.6, insert a paragraph between the 2nd and 3rd paragraphs with the text: The frequency of the SEND_S signal shall be 703.125MHz.</td>
<td>PROPOSED ACCEPT IN PRINCIPLE.</td>
<td>W</td>
<td>D</td>
</tr>
<tr>
<td>149</td>
<td>149.4.2.6</td>
<td>P75</td>
<td>L27</td>
<td>#55</td>
<td>T</td>
<td>SEND_S signaling modification - 703.125MHz</td>
<td>D</td>
<td>Link Sync</td>
<td>PROPOSED ACCEPT IN PRINCIPLE.</td>
<td>W</td>
<td>D</td>
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<tr>
<td>149</td>
<td>149.4.2.6</td>
<td>P76</td>
<td>L2</td>
<td>#49</td>
<td>T</td>
<td>SEND_S signaling modification</td>
<td>D</td>
<td>Link Sync</td>
<td>Make change as defined in Wu_3ch_01a_0918.pdf, Slide 4, bullet 2.</td>
<td>W</td>
<td>D</td>
</tr>
<tr>
<td>149</td>
<td>149.4.2.6.2</td>
<td>P77</td>
<td>L40</td>
<td>#51</td>
<td>T</td>
<td>send_s_timer expiration changed to &quot;1.25us±0.05us&quot;</td>
<td>D</td>
<td>Link Sync</td>
<td>Make change as defined in Wu_3ch_01a_0918.pdf, Slide 4, bullet 4, subbullet 1.</td>
<td>W</td>
<td>D</td>
</tr>
</tbody>
</table>
Comment Type: T  Comment Status: D  Link Sync

sigdet_wait_timerexpiration changed to "5.0us±0.15us"

SuggestedRemedy

see attached contribution "Wu_3ch_01a_0918.pdf"

PROPOSED ACCEPT IN PRINCIPLE.

Make change as defined in Wu_3ch_01a_0918.pdf, Slide 4, bullet 4, subbullet 2.

Comment Type: E  Comment Status: D  EZ

missing periods

SuggestedRemedy

Add periods at end of SEND_N, SEND_I, SEND_T, SEND_Z statements

PROPOSED ACCEPT.

Comment Type: T  Comment Status: D  PMA

The PMA electrical specification tests for Multi-Gig are the same as they are for slower speeds as specific frequencies are not specified.

SuggestedRemedy

Accept the text in clause 149.5.1 and its subclauses, e.g. remove yellow highlighting.

PROPOSED ACCEPT.

IEC specs only go to 1 GHZ. We are checking to see if there is any standard we can refer to that goes to a higher frequency. NOTE: The CISPR 25 test referred to in 149.9.2.2 does include RE for GPS and GLONASS bands.

Comment Type: T  Comment Status: D  PMA

Set peak differential output tolerance to 30%.

SuggestedRemedy

Change: transmit differential signal at MDI shall be less than 1 +TBD V peak-to-peak
To: transmit differential signal at MDI shall be less than 1.1 V peak-to-peak

PROPOSED ACCEPT IN PRINCIPLE.

Comment Type: T  Comment Status: D  PMA

Set the symbol transmission rate tolerance to 50 ppm.

SuggestedRemedy

Remove yellow highlighting on 50 ppm.

PROPOSED ACCEPT.
Comment Type: T  Comment Status: D
Set the short-term rate of frequency variation to 0.1 ppm/second.

Suggested Remedy:
- Remove yellow highlighting on 0.1 ppm/second.

Proposed Response: Response Status W
PROPOSED ACCEPT.

Comment Type: T  Comment Status: D
IL frequency axis should start at 0

Suggested Remedy:
- Change frequency axis to be 0 to 3000.

Proposed Response: Response Status W
PROPOSED ACCEPT.

Comment Type: T  Comment Status: D
Set maximum link segment propagation delay to 94 ns as the maximum segment length is the same as bp. This is a propagation delay of 6.27 ns/m. Most cable used for this purpose is about 5.5 ns/m.

Suggested Remedy:
- Remove yellow highlighting on 94 ns.

Proposed Response: Response Status W
PROPOSED ACCEPT.

Comment Type: T  Comment Status: D
The automotive fault tolerance is the same for all communication speeds.

Suggested Remedy:
- Remove yellow highlighting on: See 96.8.3.

Proposed Response: Response Status W
PROPOSED ACCEPT.

Comment Type: T  Comment Status: D
The MDI is not part of the PHY and should not be shaded in Figure 150-1.

Suggested Remedy:
- Remove shading on MDI "box" in Figure 150-1.

Proposed Response: Response Status W
PROPOSED ACCEPT.
Comment Type: E noun/verb agreement

Suggested Remedy:
Change: The 5GBASE-T1 and 10GBASE-T1 PHYs utilizes four level
To: The 5GBASE-T1 and 10GBASE-T1 PHYs utilize four level

Proposed Response: W
Properly Accept.

Comment Type: E broken link

Suggested Remedy:
Change: text 150.1
To: Link to 150.4

Proposed Response: W
Properly Accept.

Comment Type: E broken link

Suggested Remedy:
Change: text 150.1
To: Link to 150.2.2

Proposed Response: W
Properly Accept.

Comment Type: E typo

Suggested Remedy:
Change: stat). To state.

Proposed Response: W
Properly Accept.
Comment Type E Comment Status D
broken link

Suggested Remedy
Change: text 150.1
To: Link to 150.5

Proposed Response Response Status W
PROPOSED ACCEPT.

Comment Type T Comment Status D
SEND_S signaling modification - 703.125MHz

Suggested Remedy
see attached contribution "Wu_3ch_01a_0918.pdf"

Proposed Response Response Status W
PROPOSED ACCEPT IN PRINCIPLE.

In section 150.4.2.6, insert a paragraph between the 2nd and 3rd paragraphs with the text:
The frequency of the SEND_S signal shall be 703.125MHz.

Comment Type T Comment Status D
sigdet_wait_timer_expiration changed to "5.0us±0.15us"

Suggested Remedy
see attached contribution "Wu_3ch_01a_0918.pdf"

Proposed Response Response Status W
PROPOSED ACCEPT IN PRINCIPLE.

Make change as defined in Wu_3ch_01a_0918.pdf, Slide 4, bullet 4.

Comment Type E Comment Status D
missing periods

Suggested Remedy
Add periods at end of SEND_N, SEND_I, SEND_T, SEND_Z statements

Proposed Response Response Status W
PROPOSED ACCEPT.

Wienckowski, Natalie General Motors

BE Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet 1st T
The PMA electrical specification tests for Multi-Gig are the same as they are for slower speeds as specific frequencies are not specified.

Suggested Remedy
Accept the text in clause 150.5.1 and its subclauses, e.g. remove yellow highlighting.

Proposed Response
PROPOSED ACCEPT.

IEC specs only go to 1 GHZ. We are checking to see if there is any standard we can refer to that goes to a higher frequency. NOTE: The CISPR 25 test referred to in 149.9.2.2 does include RE for GPS and GLONASS bands.

Comment Type: T  Comment Status: D  PMA

Figure 150-13 was not drawn in Frame

Suggested Remedy
Redraw Figure 150-13 in Frame.

Proposed Response
PROPOSED ACCEPT IN PRINCIPLE.

TX_TCLK is in yellow highlight. In Clause 97 this was TX_TCLK125. Should the clock speed be included or should it be more generic?

Comment Type: E  Comment Status: D  Editorial

Duplicate clause heading: Test Modes

Suggested Remedy
Remove duplicate clause heading 150.5.3 Test Modes.

Proposed Response
PROPOSED ACCEPT.

Set peak differential output tolerance to 30%.

Suggested Remedy
Change: transmit differential signal at MDI shall be less than 1 +TBD V peak-to-peak
To: transmit differential signal at MDI shall be less than 1.3 V peak-to-peak

Proposed Response
PROPOSED ACCEPT IN PRINCIPLE.

Change: transmit differential signal at MDI shall be less than 1 +TBD V peak-to-peak
To: transmit differential signal at MDI shall be less than 1.1 V peak-to-peak.

Set the short-term rate of frequency variation to 0.1 ppm/second.

Suggested Remedy
Remove yellow highlighting on 50 ppm.

Proposed Response
PROPOSED ACCEPT IN PRINCIPLE.

This is actually the symbol transmission rate tolerance.

Remove yellow highlighting on 50 ppm in lines 28 and 31.

Set the short-term rate of frequency variation to 0.1 ppm/second.

Suggested Remedy
Remove yellow highlighting on 0.1 ppm/second.

Proposed Response
PROPOSED ACCEPT IN PRINCIPLE.

This actually Line 34.
Comment Type  T  Comment Status  D  EZ
IL frequency axis should start at 0

SuggestedRemedy
- Change frequency axis to be 0 to 3000.

Proposed Response  Response Status  W
PROPOSED ACCEPT.

Comment Type  T  Comment Status  D  Link Segment
Set maximum link segment propagation delay to 94 ns as the maximum segment length is the same as bp. This is a propagation delay of 6.27 ns/m. Most cable used for this purpose is about 5.5 ns/m.

SuggestedRemedy
- Remove yellow highlighting on 94 ns.

Proposed Response  Response Status  W
PROPOSED ACCEPT.

Comment Type  T  Comment Status  D  Link Segment
Set maximum frequency for link segment propagation delay to 3000 MHz.

SuggestedRemedy
- Remove yellow highlighting on 3000 MHz.

Proposed Response  Response Status  W
PROPOSED ACCEPT.

Comment Type  E  Comment Status  D  EZ
Duplicate of Amendment:

SuggestedRemedy
- Remove second Amendment:

Proposed Response  Response Status  W
PROPOSED ACCEPT IN PRINCIPLE.

Change: Amendment: Amendment: Physical Layer Specifications
To: Amendment: Physical Layer Specifications
<table>
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<tr>
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<td>E</td>
<td>D</td>
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<td>Remove all empty pages throughout document</td>
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TYPE: TR/technical required  ER/editorial required  GR/general required  T/technical  E/editorial  G/general
COMMENT STATUS: D/dispatched  A/accepted  R/rejected  RESPONSE STATUS: O/open  W/written  C/closed  Z/withdrawn
SORT ORDER: Clause, Subclause, page, line