Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet 2nd Edition

Comment Type: E  Comment Status: X

Suggested Remedy:
- Change editor instruction to: Replace Figure 44-1 with Figure 44-1a and Figure 44-1b as shown below.
- Renumber Figure 44-1 to 44-1a.
- Renumber Figure 44-1a to 44-1b.

Proposed Response: Response Status: O

---

Comment Type: E  Comment Status: X

Suggested Remedy:
- 10GBASE-T1 does not have a LDPC PCS.
- In 10GBASE-T1 stack, change "LDPC PCS" to "64B/65B PCS".

Proposed Response: Response Status: O

---

Comment Type: T  Comment Status: X

Suggested Remedy:
- Add Section 78.1.4, Table 78-1 with 2.5GBASE-T1, 5GBASE-T1 and 10GBASE-T1, all referenced to Clause 149.
- Insert a row for 2.5GBASE-T1 after 2.5GBASE-T, insert a row for 5GBASE-T1 after 5GBASE-T, and insert a row for 10GBASE-T1 after 10GBASE-T.

Proposed Response: Response Status: O

---

Comment Type: E  Comment Status: X

Suggested Remedy:
- Change editor instruction to: Replace Figure 125-1 (as modified by IEEE Std 802.3cb-2018) with Figure 125-1a and Figure 125-1b as shown below. Insert the following text at the end of the list after d) of 125.1.2 (as modified by IEEE Std 802.3cb-2018) as follows: Renumber Figure 125-1 to 125-1a. Renumber Figure 125-1a to 125-1b.

Proposed Response: Response Status: O

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Comment Type: E  Comment Status: X

Suggested Remedy:
- Change "64B/65B encoding" to "64B/65B encoding".

Proposed Response: Response Status: O

---

Comment Type: E  Comment Status: X

Suggested Remedy:
- Change "The 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1 PHYs" to "The 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1 PHYs".

Proposed Response: Response Status: O
Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet 2nd

Comment Type  E  Comment Status  X
missing comma

Suggested Remedy
Change "The 2.5GBASE-T1, 5GBASE-T1 and 10GBASE-T1 PHYs" to "The 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1 PHYs"

Proposed Response  Response Status  O

---

Comment Type  TR  Comment Status  X
When Auto-Negotiation is not used, MASTER and SLAVE must be synchronized by the PHY Link Synchronization function as defined in 149.4.2.6.

Suggested Remedy
Change "The MASTER and SLAVE are synchronized by a PHY Link Synchronization function ..." to "The MASTER and SLAVE shall be synchronized by the PHY Link Synchronization function ..."

Proposed Response  Response Status  O

---

Comment Type  TR  Comment Status  X
Need to specify the meaning of "50 blocks"

Suggested Remedy
Change "each group of 50 blocks" to "each group of 50 64B/65B blocks"

Proposed Response  Response Status  O
<table>
<thead>
<tr>
<th>CI</th>
<th>SC</th>
<th>Page</th>
<th>Line</th>
<th>Comment Type</th>
<th>Comment Status</th>
<th>Comment</th>
<th>Suggested Remedy</th>
<th>Proposed Response</th>
<th>Response Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>149</td>
<td>149.1.3.3</td>
<td>P41</td>
<td>31</td>
<td>T</td>
<td>X</td>
<td>These PHYs use XGMII</td>
<td>Change &quot;GMII&quot; to &quot;XGMII&quot;. Also on line 34.</td>
<td></td>
<td>O</td>
</tr>
<tr>
<td>149</td>
<td>149.1.3.4</td>
<td>P41</td>
<td>31</td>
<td>T</td>
<td>X</td>
<td>Change 1 us to 1.25 μs per send_s_timer</td>
<td>Change &quot;the MASTER PHY sends a synchronization sequence for 1 μs.&quot; to &quot;the MASTER PHY sends a synchronization sequence for 1.25 μs.&quot;</td>
<td></td>
<td>O</td>
</tr>
<tr>
<td>150</td>
<td>149.1.3.4</td>
<td>P41</td>
<td>49</td>
<td>T</td>
<td>X</td>
<td>Change 1 us to 1.25 μs per send_s_timer</td>
<td>Change &quot;the MASTER PHY sends a synchronization sequence for 1 μs.&quot; to &quot;the MASTER PHY sends a synchronization sequence for 1.25 μs.&quot;</td>
<td></td>
<td>O</td>
</tr>
<tr>
<td>149</td>
<td>149.1.4</td>
<td>P42</td>
<td>11</td>
<td>E</td>
<td>X</td>
<td>this is a single pair PHY</td>
<td>delete &quot;on any pair combination.&quot;</td>
<td></td>
<td>O</td>
</tr>
<tr>
<td>149</td>
<td>149.1.4</td>
<td>P42</td>
<td>11</td>
<td>TR</td>
<td>X</td>
<td>PAM4 has four transmit voltage levels</td>
<td>Change &quot;one of ??? Power levels&quot; to &quot;one of four voltage levels&quot;</td>
<td></td>
<td>O</td>
</tr>
</tbody>
</table>

**Suggested Remedy:**
- Change "GMII" to "XGMII". Also on line 34.
- Change 1 us to 1.25 μs per send_s_timer.
- Change "the MASTER PHY sends a synchronization sequence for 1 μs." to "the MASTER PHY sends a synchronization sequence for 1.25 μs."
<table>
<thead>
<tr>
<th>Cl</th>
<th>149</th>
<th>SC</th>
<th>149.2.1.1.1</th>
<th>P43</th>
<th>L29</th>
<th>#27</th>
<th>Wienckowski, Natalie General Motors</th>
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<tbody>
<tr>
<td>Comment Type</td>
<td>E</td>
<td>Comment Status</td>
<td>X</td>
<td>Make DISABLE and ENABLE statements parallel.</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SuggestedRemedy</td>
<td></td>
<td></td>
<td>Change &quot;Used by the Auto-Negotiation to enable the PHY.&quot; to &quot;Used by the Auto-Negotiation function to enable the PHY.&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proposed Response</td>
<td></td>
<td></td>
<td>Response Status</td>
<td>O</td>
<td></td>
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<thead>
<tr>
<th>Cl</th>
<th>149</th>
<th>SC</th>
<th>149.3.2.2</th>
<th>P53</th>
<th>L24</th>
<th>#43</th>
<th>McClellan, Brett Marvell</th>
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<tbody>
<tr>
<td>Comment Type</td>
<td>T</td>
<td>Comment Status</td>
<td>X</td>
<td>symbol period scales with 1/S not with S</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SuggestedRemedy</td>
<td></td>
<td></td>
<td>Change &quot;x S&quot; to &quot;1 S&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proposed Response</td>
<td></td>
<td></td>
<td>Response Status</td>
<td>O</td>
<td></td>
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<table>
<thead>
<tr>
<th>Cl</th>
<th>149</th>
<th>SC</th>
<th>149.3.2.2</th>
<th>P53</th>
<th>L32</th>
<th>#29</th>
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<tbody>
<tr>
<td>Comment Type</td>
<td>T</td>
<td>Comment Status</td>
<td>X</td>
<td>accept highlighted text for PAM 2 levels</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SuggestedRemedy</td>
<td></td>
<td></td>
<td>Remove yellow highlighting on &quot;2/3, 2/3} to keep the transmit power in the training mode close to the transmit power in normal mode.&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proposed Response</td>
<td></td>
<td></td>
<td>Response Status</td>
<td>O</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Cl</th>
<th>149</th>
<th>SC</th>
<th>149.3.2.2</th>
<th>P53</th>
<th>L32</th>
<th>#35</th>
<th>Tu, Mike Broadcom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comment Type</td>
<td>TR</td>
<td>Comment Status</td>
<td>X</td>
<td>The PAM2 transmit levels have not yet been determined.</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SuggestedRemedy</td>
<td></td>
<td></td>
<td>An agreement by the task force is required.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proposed Response</td>
<td></td>
<td></td>
<td>Response Status</td>
<td>O</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Cl</th>
<th>149</th>
<th>SC</th>
<th>149.3.2.2</th>
<th>P54</th>
<th>L1</th>
<th>#56</th>
<th>Tu, Mike Broadcom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comment Type</td>
<td>TR</td>
<td>Comment Status</td>
<td>X</td>
<td>The interleaving depths have not yet been determined.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SuggestedRemedy</td>
<td></td>
<td></td>
<td>An agreement by the task force is required.</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Proposed Response</td>
<td></td>
<td></td>
<td>Response Status</td>
<td>O</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
al Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet 2nd 1

Comment Type: E  Comment Status: X
missing comma
Suggested Remedy:
Change "/O, /S, and /T/" to "/O, /S/, and /T/".
Proposed Response: Response Status: O

Comment Type: E  Comment Status: X
indexes usually start at zero
Suggested Remedy:
change indexes from 1 through 1800 to 0 through 1799
Proposed Response: Response Status: O

Comment Type: TR  Comment Status: X
There should be 1800 rx_PAM4 symbols per RS FEC frame. The figure is showing 1801
rx_PAM4 symbols.
Suggested Remedy:
Option 1: Change "rx_PAM4n (PMA)" to "rx_PAM4n+1 (PMA)"
Option 2: Change "rx_PAM4n+1800 (PMA)" to "rx_PAM4n+1799 (PMA)"
Proposed Response: Response Status: O

Comment Type: E  Comment Status: X
a block has 1800 symbols
Suggested Remedy:
change "n+1800" to "n+1799"
Proposed Response: Response Status: O

Comment Type: E  Comment Status: X
missing comma
Suggested Remedy:
Change "the local transmitter, the channel and remote receiver." to "the local transmitter, the channel, and remote receiver."
Proposed Response: Response Status: O
<table>
<thead>
<tr>
<th>CI</th>
<th>SC</th>
<th>P</th>
<th>L</th>
<th>#</th>
<th>Comment Type</th>
<th>Comment Status</th>
<th>Comment</th>
<th>Suggested Remedy</th>
<th>Proposed Response</th>
<th>Response Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>149</td>
<td>SC 149.5.5.1</td>
<td>P91</td>
<td>L1</td>
<td>20</td>
<td>E</td>
<td>X</td>
<td>Carryover of comment #24 from D0p5.</td>
<td>Redraw Figure 149-20 in FM.</td>
<td>O</td>
<td></td>
</tr>
<tr>
<td>149</td>
<td>SC 149.7</td>
<td>P93</td>
<td>L52</td>
<td>14</td>
<td>E</td>
<td>X</td>
<td>missing comma</td>
<td>Change &quot;2.5 Gb/s, 5 Gb/s, and 10 Gb/s&quot; to &quot;2.5 Gb/s, 5 Gb/s, and 10 Gb/s&quot;.</td>
<td>O</td>
<td></td>
</tr>
<tr>
<td>149</td>
<td>SC 149.9.1</td>
<td>P97</td>
<td>L21</td>
<td>3</td>
<td>ER</td>
<td>D</td>
<td>&quot;Exact test setup and test limit values may be adapted to each specific application, subject to agreement between the customer and the supplier.&quot; the customer and supplier have no business in an interoperability spec. Delete this text.</td>
<td>&quot;Exact test setup and test limit values may be adapted to each specific application.&quot;</td>
<td>O</td>
<td></td>
</tr>
<tr>
<td>149A</td>
<td>SC 149A.1</td>
<td>P102</td>
<td>L12</td>
<td>15</td>
<td>E</td>
<td>X</td>
<td>missing comma</td>
<td>Change &quot;2.5GBase-T1, 5GBase-T1 and 10GBase-T1&quot; to &quot;2.5GBase-T1, 5GBase-T1, and 10GBase-T1&quot;</td>
<td>O</td>
<td></td>
</tr>
</tbody>
</table>

Wienckowski, Natalie, General Motors

Jones, Chad, Cisco

PROPOSED ACCEPT IN PRINCIPLE.

PROPOSED ACCEPT IN PRINCIPLE.

PROPOSED ACCEPT.

PROPOSED ACCEPT IN PRINCIPLE.

PROPOSED ACCEPT IN PRINCIPLE.
Comment Type  E  Comment Status  X

Missing comma

Suggested Remedy
Change "cable, PCB connectors and inline connectors" to "cable, PCB connectors, and inline connectors".

Proposed Response  Response Status  O