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

Comment Type E Comment Status X
Renumber figures and change editor instruction

SuggestedRemedy

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
10GBASE-T1 does not have a LDPC PCS.

SuggestedRemedy

In 10GBASE-T1 stack, change "LDPC PCS" to "64B/65B PCS".

Proposed Response Response Status O

Comment Type T Comment Status X
Add Section 78.1.4, Table 78-1 with 2.5GBASE-T1, 5GBASE-T1 and 10GBASE-T1, all referenced to Clause 149.

SuggestedRemedy

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 10BASE-T1 after 10BASE-T.

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

Comment Type: E, Comment Status: X

Comment
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

Comment Type: TR, Comment Status: X

Comment
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

Comment Type: E, Comment Status: X

Comment
missing space

Suggested Remedy
Change "TBD encoding" to "64B/65B encoding"

Proposed Response

Comment Type: TR, Comment Status: X

Comment
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

Comment Type: E, Comment Status: X

Comment
missing space

Suggested Remedy
Change "TBD encoding" to "64B/65B encoding"

Proposed Response

Comment Type: TR, Comment Status: X

Comment
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

Comment Type: E, Comment Status: X

Comment
missing space

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

Comment Type: TR, Comment Status: X

Comment
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

Comment Type: E, Comment Status: X

Comment
missing space

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

Comment Type: TR, Comment Status: X

Comment
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

Comment Type: E, Comment Status: X

Comment
missing space

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

Comment Type: TR, Comment Status: X

Comment
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

Comment Type: E, Comment Status: X

Comment
missing space

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

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

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

**Comment Type**: E  
**Comment Status**: X  
Change awkward wording: A 10-bit OAM field is next appended  
**Suggested Remedy**: Change "A 10-bit OAM field is next appended" to "Next, a 10-bit OAM field is appended".  
**Proposed Response**: O

**Comment Type**: T  
**Comment Status**: X  
These PHYs use XGMII  
**Suggested Remedy**: Change "GMII" to "XGMII". Also on line 34.  
**Proposed Response**: O

**Comment Type**: T  
**Comment Status**: X  
Change 1 us to 1.25 us per send_s_timer  
**Suggested Remedy**: Change "the MASTER PHY sends a synchronization sequence for 1 μs." to "the MASTER PHY sends a synchronization sequence for 1.25 μs."  
**Proposed Response**: O

**Comment Type**: T  
**Comment Status**: X  
Change 5 us per sigdet_wait_timer.  
**Suggested Remedy**: Change "after the SLAVE response for 4 μs" to "after the SLAVE response for 5 μs".  
**Proposed Response**: O
McCllellan, Brett  Marvell
Comment Type  E  Comment Status  X
this is a single pair PHY
SuggestedRemedy
 delete "on any pair combination."
Proposed Response  Response Status  O

Tu, Mike  Broadcom
Comment Type  TR  Comment Status  X
PAM4 has four transmit voltage levels
SuggestedRemedy
 Change "one of ??? Power levels" to "one of four voltage levels"
Proposed Response  Response Status  O

Wienckowski, Natalie  General Motors
Comment Type  E  Comment Status  X
 Make DISABLE and ENABLE statements parallel.
SuggestedRemedy
 Change "Used by the Auto-Negotiation to enable the PHY," to "Used by the Auto- Negotiation function to enable the PHY."
Proposed Response  Response Status  O

Wienckowski, Natalie  General Motors
Comment Type  E  Comment Status  X
 missing comma
SuggestedRemedy
 Change "for 5GBASE-T1 and 5625 MHz for" to "for 5GBASE-T1, and 5625 MHz for"
Proposed Response  Response Status  O
<table>
<thead>
<tr>
<th>Cl</th>
<th>SC</th>
<th>P</th>
<th>L</th>
<th>#</th>
<th>Comment Type</th>
<th>Comment Status</th>
<th>Proposed Response</th>
<th>Response Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>149</td>
<td>149.3.2.2</td>
<td>53</td>
<td>32</td>
<td>29</td>
<td>T</td>
<td>X</td>
<td>Remove yellow highlighting on &quot;2/3, 2/3&quot; to keep the transmit power in the training mode close to the transmit power in normal mode.</td>
<td>O</td>
</tr>
<tr>
<td>149</td>
<td>149.3.2.2</td>
<td>53</td>
<td>32</td>
<td>35</td>
<td>TR</td>
<td>X</td>
<td>The PAM2 transmit levels have not yet been determined.</td>
<td>O</td>
</tr>
<tr>
<td>149</td>
<td>149.3.2.2</td>
<td>54</td>
<td>1</td>
<td>36</td>
<td>TR</td>
<td>X</td>
<td>The interleaving depths have not yet been determined.</td>
<td>O</td>
</tr>
<tr>
<td>149</td>
<td>149.3.2.2</td>
<td>54</td>
<td>33</td>
<td>11</td>
<td>E</td>
<td>X</td>
<td>missing comma</td>
<td>O</td>
</tr>
<tr>
<td>149</td>
<td>149.3.2.2.4</td>
<td>55</td>
<td>31</td>
<td>42</td>
<td>E</td>
<td>X</td>
<td>change indexes from 1 through 1800 to 0 through 1799</td>
<td>O</td>
</tr>
<tr>
<td>149</td>
<td>149.3.2.2.4</td>
<td>56</td>
<td>40</td>
<td>41</td>
<td>E</td>
<td>X</td>
<td>change &quot;n+1800&quot; to &quot;n+1799&quot;</td>
<td>O</td>
</tr>
<tr>
<td>149</td>
<td>149.3.2.2.4</td>
<td>57</td>
<td>46</td>
<td>40</td>
<td>E</td>
<td>X</td>
<td>Change &quot;2.5, 5 and 10&quot; to &quot;2.5, 5, and 10&quot;.</td>
<td>O</td>
</tr>
</tbody>
</table>

**Comment 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**
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

Comment Type: E Comment Status: X
Carryover of comment #24 from D0p5.

Suggested Remedy
Redraw Figure 149-20 in FM.

Proposed Response: Response Status: O

Comment Type: E Comment Status: X
missing comma

Suggested Remedy
Change "2.5 Gb/s, 5 Gb/s and 10 Gb/s" to "2.5 Gb/s, 5 Gb/s, and 10 Gb/s."

Proposed Response: Response Status: O

Comment Type: ER Comment Status: D
"All equipment subject to this clause may be additionally required to conform to any applicable local, state, or national standards or as agreed to between the customer and supplier." the customer and supplier have no business in an interoperability spec. Delete this text.

Suggested Remedy
change to: "All equipment subject to this clause may be additionally required to conform to any applicable local, state, or national standards."

Proposed Response: Response Status: W
PROPOSED ACCEPT IN PRINCIPLE.
Change: All equipment subject to this clause may be additionally required to conform to any applicable local, state, or national standards, or as agreed to between the customer and supplier.

To: All equipment subject to this clause shall conform to all applicable local, state, national, and application-specific standards.

Comment Type: ER Comment Status: D
"In addition, the system may need to comply with more stringent requirements as agreed upon between customer and supplier, for the limitation of electromagnetic interference." the customer and supplier have no business in an interoperability spec. Delete this text.

Suggested Remedy
change to: "In addition, the system may need to comply with more stringent requirements for the limitation of electromagnetic interference."

Proposed Response: Response Status: W
PROPOSED ACCEPT IN PRINCIPLE. Change: In addition, the system may need to comply with more stringent requirements as agreed upon between customer and supplier, for the limitation of electromagnetic interference.

To: In addition, the system may need to comply with more stringent requirements for the limitation of electromagnetic interference.
"Exact test setup and test limit values may be adapted to each specific application, subject to agreement between the customer and the supplier." the customer and supplier have no business in an interoperability spec. Delete this text.

Suggested Remedy
change to: "Exact test setup and test limit values may be adapted to each specific application."

Proposed Response Response Status W
PROPOSED ACCEPT.