Comment Type: E  Comment Status: D  Editorial
Correct grammatical of the word "which"

Suggested Remedy
Insert a comma after the last word coming before "which" in these locations: page 27 - line 3, page 35 - line 31, page 61 - line 8, page 69 - line 37, page 70 - line 2, page 80 - line 5, and page 90 - line 51.

Proposed Response
Response Status: W  PROPOSED ACCEPT.

Comment Type: E  Comment Status: D  Editorial
In the second line of text "8 octet" has been changed to "8-octet". However, the text in the base standard is "8 octet".
If it is intended that this amendment changes "8 octet" to "8-octet" then this has to be shown with strikethrough and underline font, preferably with "8 octet" in strikethrough and "8-octet" in underline for clarity.

Suggested Remedy
If it is intended that this amendment changes "8 octet" to "8-octet" then this has to be shown with strikethrough and underline font, preferably with "8 octet" in strikethrough and "8-octet" in underline for clarity.

Proposed Response
Response Status: W  PROPOSED ACCEPT.

Comment Type: E  Comment Status: D  Editorial
While the addition of the hyphen in "8-octet" is shown with underline, the removal of the space is not shown with strikethrough.

Suggested Remedy
Show "8 octet" in strikethrough and "8-octet" in underline for clarity.

Proposed Response
Response Status: W  PROPOSED ACCEPT.

Comment Type: TR  Comment Status: D  Editorial
The transmit transition to the LPI transmit mode is based on the TXD[31:0] of the XGMII, not in the last 64B/65B block of a RS frame.

Suggested Remedy
Change "... an LPI control character in the last 64B/65B block of a Reed-Solomon frame."

Proposed Response
Response Status: W  PROPOSED ACCEPT.
PROPOSED ACCEPT IN PRINCIPLE.

(rewrite, removing need for the comma and improving clarity)
Change: Periodically the transmit function of the local PHY transmits refresh frames that are used by the link partner to update adaptive filters and timing circuits in order to maintain link integrity.

To: The transmit function of the local PHY periodically transmits refresh frames. These are used by the link partner to update adaptive filters and timing circuits in order to maintain link integrity.

Comment Type: T
Comment Status: D
Editorial
We removed SEND_I, but didn't change the number of values to "three" from "four" in the text.

SuggestedRemedy
Change: four
To: three

Proposed Response: W
Response Status: W
PROPOSED ACCEPT IN PRINCIPLE.

PROPOSED ACCEPT IN PRINCIPLE.

Make the suggested change and also make this change on P148 L34.

Comment Type: T
Comment Status: D
Editorial
aggregation into a superframe is not an option - it is written as if it were.

SuggestedRemedy
Change "In order to improve error correction capability, the PHY may aggregate L RS-FEC input frames into an interleaved RS-FEC input superframe."
To: "The PHY aggregates L RS-FEC input frames into an L-interleaved (L=1, 2, or 4) RS-FEC input superframe."

Proposed Response: W
Response Status: W
PROPOSED ACCEPT.

Comment Type: E
Comment Status: D
Editorial
"This may be computed": "may" is a special word for "is permitted to". In this case, it is describing an implementation.

SuggestedRemedy
Change "may" to "can"

Proposed Response: W
Response Status: W
PROPOSED ACCEPT.
Comment Type: TR  Comment Status: D  Editorial

Wrong indices. "m_L" should be "m_0" at both the input and the output of the Lth encoder.

Suggested Remedy
Change "m_L" to "m_0" at both the input and the output of the Lth encoder.

Proposed Response  Response Status: W  PROPOSED ACCEPT.

Comment Type: TR  Comment Status: D  Editorial

The last message symbol of the input message symbols should be m0, not mL.

Suggested Remedy
In the input message symbols, change "mL" to "m0".

Proposed Response  Response Status: W  PROPOSED ACCEPT.

Comment Type: ER  Comment Status: D  Editorial

Typo

Suggested Remedy
Within the highlighted text, change "180" to "450". Then remove the highlights.

Proposed Response  Response Status: W  PROPOSED ACCEPT.

Comment Type: T  Comment Status: D  Editorial

Changing 80 to 450 would yield 1450 which is not what is desired here.

Proposed Response  Response Status: W  PROPOSED ACCEPT IN PRINCIPLE.

Change: 180
To: 450
Comment Type: T  Comment Status: D  Editorial
"PMA training side-stream scrambler polynomials" - these are also used in data mode. They're not just for breakfast anymore.

Suggested Remedy
Delete "PMA Training" so that the header for 149.3.4 reads "Side-stream scrambler polynomials"

Proposed Response: Response Status: W  PROPOSED ACCEPT.

Comment Type: T  Comment Status: D  Editorial
"alignment to the RS-FEC block and the 16 partial PHY frames that comprise the block" "block" is confusing here as block is used in the context of 64B/65B block encoding. What is meant here is PAM2 training sequence with the length of 4 RS frames. I think this is called super-frame.

Suggested Remedy
Replace by: "alignment to the RS-FEC super-frame comprising 16 partial PHY frames"

Proposed Response: Response Status: W  PROPOSED ACCEPT IN PRINCIPLE.

Change: alignment to the RS-FEC block and the 16 partial PHY frames that comprise the block
To: alignment to the RS-FEC super-frame comprised of 16 partial PHY frames
awkward wording

Suggested Remedy
Change: belonging to the eight types
To: belonging to one of the eight types
Also on page 106, line 11

PROPOSED ACCEPT IN PRINCIPLE.

Change: belonging to the eight types
To: belonging to one or more of the eight types
Also on page 106, line 11

"a continuous stream of TBD encoded PAM 4 symbols" - the missing word is "RS-FEC"

Suggested Remedy
Replace "TBD" with "RS-FEC"

PROPOSED ACCEPT IN PRINCIPLE.

Change "TBD" to "65B RS-FEC"

The OAM10 is not defined.

Suggested Remedy
Change "the OAM10 field" to "the OAM 10-bit field"
Also replace the same issue in page 113 line 30.

PROPOSED ACCEPT.

"full OAM frame can packed into 8 super frames in the 2x interleaved mode, and into 4 super frames in the 4x interleaved mode"

Suggested Remedy
"full OAM frame can be packed into 8 super frames in the 2x interleaved mode, and into 4 super frames in the 4x interleaved mode"

PROPOSED ACCEPT.
Comment Type E  
Comment Status D  
Editorial

"it may be possible".  "may" means "it is permitted to" - "it is permitted to be possible"
doesn't really make sense.  If it is, indeed possible, "it is possible," if we are unsure, let's
figure it out! (in 2 places, also on line 44)

SuggestedRemedy

Change "it may be possible" to "it is possible" on lines 41 and 44

Proposed Response  
Response Status W  
PROPOSED ACCEPT.

---

Comment Type TR  
Comment Status D  
Editorial

The definition of "not receiving transmit message from the MAC" needs to be clarified.

SuggestedRemedy

Change "… not receiving transmit message from the MAC" to "… not receiving valid
transmit message from the MAC"

Proposed Response  
Response Status W  
PROPOSED ACCEPT.

---

Comment Type E  
Comment Status D  
Editorial

subject/verb agreement

SuggestedRemedy

Change: The RS(16, 14) parity symbols is indicated
To: The RS(16, 14) parity symbols are indicated

Proposed Response  
Response Status W  
PROPOSED ACCEPT.
Cl 149 SC 149.3.8.4.3 P126 L47 #214
Wienckowski, Natalie General Motors
Comment Type E Comment Status D Editorial
missing periods
SuggestedRemedy
Add period at the end of the 0 and 1 sentences.
Proposed Response Response Status W
PROPOSED ACCEPT IN PRINCIPLE.
Change: "0: BASE-T1 OAM message not received and read by the link partner
1: BASE-T1 OAM message received by the link partner"
to: "0: BASE-T1 OAM message was not received and read by the link partner.
1: BASE-T1 OAM message was received by the link partner."

Cl 149 SC 149.3.8.4.3 P127 L11 #215
Wienckowski, Natalie General Motors
Comment Type E Comment Status D Editorial
improve wording to match other statements
SuggestedRemedy
Change: Don't send request to link partner…
To: Don't request link partner...
Proposed Response Response Status W
PROPOSED ACCEPT IN PRINCIPLE.
Change: true: Send request to link partner to clear their REC counter.
To: true: Request link partner to clear its REC counter.

Cl 149 SC 149.3.8.4.3 P127 L43 #216
Wienckowski, Natalie General Motors
Comment Type E Comment Status D Editorial
missing periods
SuggestedRemedy
Add periods at the end of both "Values" sentences.
Proposed Response Response Status W
PROPOSED ACCEPT IN PRINCIPLE.
Add periods at the end of both values, and editorial license to add periods at the end of
other Values in 149.3.8.4.3 which may be lacking and are complete sentences (e.g., P127
L21 & 22)

Cl 149 SC 149.3.8.4.3 P127 L49 #217
Wienckowski, Natalie General Motors
Comment Type E Comment Status D Editorial
missing period
SuggestedRemedy
Add period at end of "Good" sentence.
Proposed Response Response Status W
PROPOSED ACCEPT IN PRINCIPLE.
This is not a sentence.
Remove period at the end of the "BAD" statement as it is not a sentence.
Comment Type E  Comment Status D  Editorial
missing periods

SuggestedRemedy
Add periods at the end of both "Values" sentences.

Proposed Response  Response Status W
PROPOSED ACCEPT IN PRINCIPLE.

Change: false: transmit stream not at a boundary end
true: transmit stream at a boundary end

To: false: transmit stream is not at a boundary end.
true: transmit stream is at a boundary end.

Comment Type E  Comment Status D  Editorial
missing periods

SuggestedRemedy
Add periods at the end of all 4 "Values" sentences.

Proposed Response  Response Status W
PROPOSED ACCEPT.

Comment Type E  Comment Status D  Editorial
missing periods

SuggestedRemedy
Add periods at the end of both "Values" sentences.

Proposed Response  Response Status W
PROPOSED ACCEPT IN PRINCIPLE.

Change: false: transmit stream not at a boundary end
true: transmit stream at a boundary end

To: false: transmit stream is not at a boundary end.
true: transmit stream is at a boundary end.

Comment Type E  Comment Status D  Editorial
missing periods

SuggestedRemedy
Add periods at the end of both "Values" sentences.

Proposed Response  Response Status W
PROPOSED ACCEPT.

Comment Type ER  Comment Status D  Editorial
rx_cnt incorrectly defined

SuggestedRemedy
Change:
A count of received OAM frames
To:
A count of received OAM frame symbols

Proposed Response  Response Status W
PROPOSED ACCEPT.

Change:
A count of received OAM frames.
To:
A count of received OAM frame symbols.

Comment Type E  Comment Status D  Editorial
improve wording by removing an extra "transmitter".

Proposed Response  Response Status W
PROPOSED ACCEPT.

Change: When the PMA_transmit_disable variable is set to true, this function shall turn off
the transmitter so that the transmitter Average Launch Power of the Transmitter is less
than –53 dBm.
To: When the PMA_transmit_disable variable is set to true, this function shall turn off the
transmitter so that the Average Launch Power of the Transmitter is less than –53 dBm.
The SOF is 3 octets, not 4. Also, fix subject-verb agreement.

**Suggested Remedy**

- **Change:** The start of Frame Delimiter consist of 4 octets [Octet 1<7:0>, Octet 2<7:0>, Octet 3<7:0>]
- **To:** The start of Frame Delimiter consists of 3 octets [Octet 1<7:0>, Octet 2<7:0>, Octet 3<7:0>]

**Proposed Response**

**Response Status:** W

**Proposed Accept in Principle.**

Change: The start of Frame Delimiter consist of 4 octets [Octet 1<7:0>, Octet 2<7:0>, Octet 3<7:0>]
To: The start of Frame Delimiter consists of 3 octets [Octet 1<7:0>, Octet 2<7:0>, Octet 3<7:0>]

Message Field (1 octet).
To: The Message Field is 1 octet.

**Proposed Response**

**Response Status:** W

**Proposed Accept in Principle.**

Change: Message Field (1 octet).
To: The Message Field is one octet.

**Suggested Remedy**

**Typo**

Delete the unit of "MHz", Fmax is just the number.

**Proposed Response**

**Response Status:** W

**Proposed Accept.**

"data mode precoder" - it's used in training as well. It is not just for data mode.

**Suggested Remedy**

Change "data mode precoder" to "requested precoder"

**Proposed Response**

**Response Status:** W

**Proposed Accept.**

**Comment Type:** E  **Comment Status:** D  **Editorial**
Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet 4th T:

**Comment Type: ER, Comment Status: D**

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Wei, Dong  
Futurewei Technologie

**Comment Type: Typo**

**Suggested Remedy: Typo**

Change "N=1" to "N=1" in the equation (149-23)

**Proposed Response: W**

**Response Status: W**

PROPOSED ACCEPT IN PRINCIPLE.

Change "N = 1" to "N = 1 curve which is equivalent to equation (149-19)."

---

**Comment Type: ER, Comment Status: D**

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Wei, Dong  
Futurewei Technologie

**Comment Type: Typo**

**Suggested Remedy: Typo**

Change "23°C ± 5°C" to "23 ± 5°C"

**Proposed Response: W**

**Response Status: W**

PROPOSED ACCEPT.

---

**Comment Type: G, Comment Status: D**

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Benyamin, Saied  
Aquantia

**Comment Type: Editorial**

There are a zillion places where 1000Base-T1 is mentioned; on some, we have crossed out the "1000".

**Suggested Remedy: Editorial**

They all need to change to MGBase-T1

**Proposed Response: W**

**Response Status: W**

PROPOSED ACCEPT IN PRINCIPLE.

OAM registers used for both 1000BASE-T1 and MultiGBASE-T1 are named BASE-T1.

The following are the places where "1000" does not have strikethrough but it should.

P119 L38, P127 L35