

## IEEE P802.3ap draft 2.0 Comments

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CI 00	SC 00	P	L	# 193
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Grow, Robert Intel

Comment Type **E** Comment Status **D**

When published IEEE Std 802.3-2005 will have Helvetica converted to Arial and Times to Times New Roman.

*SuggestedRemedy*

Change fonts as required to be consistent with the target base document for this amendment.

Proposed Response Response Status **W**

PROPOSED ACCEPT.

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CI 00	SC 00	P	L	# 60
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van Doorn, Schelto

Comment Type **E** Comment Status **D**

Reformat Tables to IEEE style

*SuggestedRemedy*

Reformat Tables to IEEE style

Proposed Response Response Status **W**

PROPOSED ACCEPT.

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CI 00	SC 00	P	L	# 561
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Grow, Robert Intel

Comment Type **E** Comment Status **D**

Ohms should be replaced with the greek symbol from the Symbol font set.

*SuggestedRemedy*

Search and replace as appropriate. (23 search hits in the pdf. covering multiple clauses.

Proposed Response Response Status **W**

PROPOSED ACCEPT.

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CI 00	SC 00	P 1	L 01	# 413
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Barrass, Hugh Cisco Systems

Comment Type **ER** Comment Status **X** open

Given that 1000BASE-KX is a 1Gbps PHY, the management interface of choice should be Clause 22. This would allow a 1G MAC device to operate with multiple 1Gbps PHYs using the same MDIO interface. Additional Clause 45 registers may be accessed using the ""Clause 22 access to Clause 45 registers"" mechanism defined originally in 802.3ah.

Similarly, a 10G MAC device should be expected to operate with 10GBASE-K or other 10G PHYs and if it is capable of dual speeds then it may need to interface with 1000BASE-KX or other 1G PHYs.

*SuggestedRemedy*

The management register access structure needs to be thought through in the context of multiply capable devices. The structure of registers and access methods should work similarly for similar speed devices.

Multiple comments have been submitted (by this commenter) for this, but thought must be given to the problem as a whole in order to assess the merit of these and other solutions.

Proposed Response Response Status **O**

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CI 00	SC 00	P 11	L 03	# 762
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David V James JGG

Comment Type **ER** Comment Status **D**

DVJ-2  
Wrong title

*SuggestedRemedy*

Table of Figures  
==>  
List of figures

Proposed Response Response Status **W**

PROPOSED ACCEPT IN PRINCIPLE.

However the list of figures and list of tables will be removed from the document because they are not a part of the main document

## IEEE P802.3ap draft 2.0 Comments

CI 00 SC 00 P 12 L 03 # 763  
David V James JGG  
Comment Type ER Comment Status D  
DVJ-3  
Wrong title  
SuggestedRemedy  
Table of Tables  
==>  
List of tables  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
  
However the list of figures and list of tables will be removed from the document because they are not a part of the main document

CI 00 SC 00 P 3 L 03 # 761  
David V James JGG  
Comment Type ER Comment Status D  
DVJ-1  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.  
SuggestedRemedy  
Table of Contents  
==>  
Table of contents  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
  
However the list of figures and list of tables will be removed from the document because they are not a part of the main document

CI 00 SC 00 P 7 L 32 # 123  
John, D'Ambrosia  
Comment Type E Comment Status D  
formatting errors - indent of 2nd line and page number  
SuggestedRemedy  
coorect  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
The "Table of content", "List of figures" and "List of tables" are not part of this document.  
The editor has added the templates for informational purposes only.

CI 00 SC 00 P 8 L 54 # 124  
John, D'Ambrosia  
Comment Type E Comment Status D  
formatting errors - indent of 2nd line and page number  
SuggestedRemedy  
correct  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
The "Table of content", "List of figures" and "List of tables" are not part of this document.  
The editor has added the templates for informational purposes only.

CI 00 SC 69.3.3.2 P 54 L 44 # 214  
Grow, Robert Intel  
Comment Type ER Comment Status D  
This is an occurance of incorrect/inconsistent usage of italics. We may as well get this as close to right as we can before SCC 14 comments on it at sponsor ballot, especially with the number of equations in this draft. I made this as a 00 rather than creating the dozens of possible comments.  
SuggestedRemedy  
All math variables are to be in italics whether in equations or in text. Constants are to be in upright text.  
Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 01 SC 01 P13 L 10 # 196  
Grow, Robert Intel

Comment Type ER Comment Status D

The editing instructions note will be included in the front matter supplied by the WG Chair, hopefully as currently specified, and should be included in the published standard.

*SuggestedRemedy*

The note should agree in format and content with 21.1 of the 2005 Style Manual.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 01 SC 01.1 P13 L 18 # 455  
Dawe, Piers Agilent

Comment Type E Comment Status D

Last sentence of editors' note has nothing to do with the rest of the editors' note. Not clear whether 'editorial notes' are the same as editors' notes. If so, can we tighten up our terminology? I suspect they aren't, and they are the items in bold italic.

*SuggestedRemedy*

Turn most of this into editorial notes (not removed at publication). Insert a paragraph break before last sentence. Create new editors' note detailing the basis document (P802.3REVam and maybe an, aq) - see them for examples.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 01 SC 01.4 P13 L 36 # 456  
Dawe, Piers Agilent

Comment Type E Comment Status D caps

Unnecessary capitals. In the definitions and abbreviations sections, an entry can start in lower case.

*SuggestedRemedy*

Change to 'differential Manchester encoding' here and in 1.5. Scrub 1.5: backplane, local device, link partner (see clause 37 for precedent for those two), extended Next Page (maybe). Search and replace 'Differential Manchester Encoding', 'Local Device' and 'Link Partner' throughout the document.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 01 SC 01.4 P13 L 37 # 764  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-4

English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

Differential Manchester Encoding

==>

differential Manchester encoding

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 01 SC 01.5 P13 L 36 # 458  
Dawe, Piers Agilent

Comment Type E Comment Status D

encoded or encoding? 1.4 and 1.5 differ.

*SuggestedRemedy*

Change to 'encoding'.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 01 SC 01.5 P13 L 49 # 4  
Daines, Kevin

Comment Type E Comment Status D

I find it a bit awkward that a definition and abbreviation use slightly different wording. For instance, DME is defined as ""Differential Manchester Encoded"" in 1.5 while in 1.4 the term used is ""Differential Mancheste Encoding"". I realize that grammatically, both ""Encoded"" and ""Encoding"" are probably used.

*SuggestedRemedy*

Consider harmonizing the definition and abbreviation.

Proposed Response Response Status W

PROPOSED ACCEPT.

Will change encoded to encoding

## IEEE P802.3ap draft 2.0 Comments

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**CI 01**      **SC 01.5**                      **P 13**              **L 49**              # **765**  
David V James                                      JGG  
*Comment Type*    **ER**              *Comment Status*    **D**                                      *caps*  
DVJ-5  
English words should not be capitalized simply because their meaning is different from normal English usage.  
*SuggestedRemedy*  
Backplane  
==>  
backplane  
*Proposed Response*              *Response Status*    **W**  
PROPOSED ACCEPT IN PRINCIPLE.  
  
Will consult the publication editor and implement prior to sponsor ballot.

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**CI 01**      **SC 01.5**                      **P 13**              **L 50**              # **766**  
David V James                                      JGG  
*Comment Type*    **ER**              *Comment Status*    **D**                                      *Caps*  
DVJ-6  
English words should not be capitalized simply because their meaning is different from normal English usage.  
*SuggestedRemedy*  
Differential Manchester Encoded  
==>  
differential Manchester encoded  
*Proposed Response*              *Response Status*    **W**  
PROPOSED ACCEPT IN PRINCIPLE.  
  
Will consult the publication editor and implement prior to sponsor ballot.

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**CI 01**      **SC 01.5**                      **P 13**              **L 51**              # **767**  
David V James                                      JGG  
*Comment Type*    **ER**              *Comment Status*    **D**                                      *Caps*  
DVJ-7  
English words should not be capitalized simply because their meaning is different from normal English usage.  
*SuggestedRemedy*  
Local Device  
==>  
local device  
*Proposed Response*              *Response Status*    **W**  
PROPOSED ACCEPT IN PRINCIPLE.  
  
Will consult the publication editor and implement prior to sponsor ballot.

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**CI 01**      **SC 01.5**                      **P 13**              **L 52**              # **768**  
David V James                                      JGG  
*Comment Type*    **ER**              *Comment Status*    **D**                                      *Caps*  
DVJ-8  
English words should not be capitalized simply because their meaning is different from normal English usage.  
*SuggestedRemedy*  
Link Partner  
==>  
link partner  
*Proposed Response*              *Response Status*    **W**  
PROPOSED ACCEPT IN PRINCIPLE.  
  
Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 01 SC 01.5 P 13 L 53 # 769  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-9  
English words should not be capitalized simply because their meaning is different from normal English usage.

## SuggestedRemedy

Next Page  
==>  
next page

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 01 SC 01.5 P 13 L 53 # 457  
Dawe, Piers Agilent

Comment Type E Comment Status X open

I couldn't find XNP or Extended Next Page in this draft.

## SuggestedRemedy

Remove the entry from the abbreviations list.

Proposed Response Response Status O

CI 01 SC 01.5 P 13 L 54 # 770  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-10  
English words should not be capitalized simply because their meaning is different from normal English usage.

## SuggestedRemedy

Extended Next Page  
==>  
extended next page

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 28A SC 28A P 138 L 38 # 716  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-143  
English words should not be capitalized simply because their meaning is different from normal English usage.

## SuggestedRemedy

Encoding  
==>  
encoding

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 28A SC 28A P 138 L 41 # 715  
David V James JGG

Comment Type ER Comment Status D e

DVJ-142  
Nonstandard table line widths

## SuggestedRemedy

==>  
very thin in center  
thin on edges of header and body

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 28A SC 28A P 14 L 01 # 197  
Grow, Robert Intel

Comment Type ER Comment Status D

Correct the order of clauses and annexes.

## SuggestedRemedy

Publication order is changes to clauses, then changes to annexes, new clauses then new annexes.

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI **28A** SC **28A** P **14** L **09** # **200**  
Grow, Robert Intel

Comment Type **E** Comment Status **D**  
Overly complex yet incomplete editing instruction.

*SuggestedRemedy*

Change table as follows, (moving footnote anchor to the next row).

Proposed Response Response Status **W**  
PROPOSED ACCEPT.

CI **28A** SC **28A** P **14** L **19** # **459**  
Dawe, Piers Agilent

Comment Type **E** Comment Status **D**  
Please show what you are doing to the base document

*SuggestedRemedy*

Include the material you propose deleting, in black strikeout.

Proposed Response Response Status **W**  
PROPOSED ACCEPT.

CI **28A** SC **28A** P **14** L **19** # **201**  
Grow, Robert Intel

Comment Type **ER** Comment Status **D**  
Incorrect underline.

*SuggestedRemedy*  
Only underline ""Clause 28"".

Proposed Response Response Status **W**  
PROPOSED ACCEPT.

CI **28A** SC **28A** P **14** L **25** # **202**  
Grow, Robert Intel

Comment Type **ER** Comment Status **D**  
If this is to be a Change instruction, then the strikethrough text should be shown.

*SuggestedRemedy*

Put the text currently in REVam for the value description as strikethrough.

Proposed Response Response Status **W**  
PROPOSED ACCEPT.

CI **30** SC **30.5.1.1.2** P **15** L **42** # **595**  
Booth, Brad Intel

Comment Type **ER** Comment Status **D**  
Change the editing instructions to be short and specific. Show only the inserted text and use the editing instruction to indicate insertion point.

This also applies to Annex 30B

*SuggestedRemedy*

Remove current editing instruction. Remove text in 30.5.1.1.2 except text to be inserted. Add an editing instruction before 1000BASE-KX to read: Insert 1000BASE-KX after 1000BASE-CXFD. Add an editing instruction before 10GBASE-KX4 to read: Insert 10GBASE-KX4 after 10GBASE-CX4. Add an editing instruction before 10GBASE-KR to read: Insert 10GBASE-KR before 10GBASE-W. (This last instruction is an insert before because LRM will be inserted somewhere in the R set, so inserting before W will place KR at the end of the R set.)

The same edits would be required to Annex 30B (specifically, 30B.2).

Proposed Response Response Status **W**  
PROPOSED ACCEPT.

CI **30** SC **30.5.1.1.2** P **16** L **38** # **203**  
Grow, Robert Intel

Comment Type **E** Comment Status **D** e  
Text included that is inconsistent with the editing instruction.

*SuggestedRemedy*

Delete the BEHAVIOUR part of the attribute declaration.

Proposed Response Response Status **W**  
PROPOSED ACCEPT.

CI **34** SC **34.1** P **19** L # **609**  
Diab, Wael Cisco

Comment Type **E** Comment Status **D** e  
Clause 34 modifications should really appear on a page of their own

*SuggestedRemedy*

seperate into a new page

Proposed Response Response Status **W**  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 34 SC 34.1 P 19 L 21 # 198  
Grow, Robert Intel

Comment Type E Comment Status D e  
Add isn't one of the defined instructions

*SuggestedRemedy*

Change instruction to read: Insert the following after the second paragraph of 34.1.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 34 SC 34.1 P 19 L 21 # 582  
Booth, Brad Intel

Comment Type E Comment Status D e  
Incorrect editing instruction.

*SuggestedRemedy*

Change ""Add"" to be ""Insert"". Inserted text does not to be underlined.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 34 SC 34.1 P 19 L 23 # 204  
Grow, Robert Intel

Comment Type E Comment Status D e  
Including the word ""entity"" is redundant. If you look at clause 1 PHY includes entity in its expansion effectively giving you ""entity entity"".

*SuggestedRemedy*

Delete entity, and entities in line 36.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 44 SC 44.1 P 19 L 29 # 610  
Diab, Wael Cisco

Comment Type E Comment Status D e  
C44 mods should really appear on a new page of their own

*SuggestedRemedy*

Seperate into a new page

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 44 SC 44.1.1 P 19 L 35 # 583  
Booth, Brad Intel

Comment Type E Comment Status D e  
Missing period at end of sentence and inserted text does not need to be underlined.

*SuggestedRemedy*

As per comment.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 44 SC 44.1.1 P 19 L 36 # 5  
Daines, Kevin

Comment Type E Comment Status D e  
I prefer the wording used in Clause 34.

*SuggestedRemedy*

Change ""see Clause 69"" to ""For additional information on Backplane Ethernet, refer to Clause 69""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 44 SC 44.1.1 P 19 L 37 # 771  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-11  
Missing period

*SuggestedRemedy*

Clause 69  
==>  
Clause 69.

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 44 SC 44.1.3 - 44.4 P 19 L 37 # 293  
Zimmerman, George Solarflare Communica

Comment Type ER Comment Status D

Information on objectives, iso references, reconciliation sublayer, physical layer signalling, and delay constraints for all other 10Gb/s PHYs are included in Clause 44, but are absent for the proposed amendment. They appear to be relevant, and the information is contained (at least in part, possibly all) in the proposed clause 69. For consistency and ease of use of 802.3, it should also be in Clause 44.

SuggestedRemedy

Update Clause 44 to forms similar to those used by 802.3ae, 802.3ak, 802.3an and 802.3aq for 802.3ap.

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

CI 45 SC 45. P 21 L # 62  
van Doorn, Schelto

Comment Type ER Comment Status D

When .3an is ""stable"" synchronize text with .3an and rewrite clause 45 as an amendment to .3an.

SuggestedRemedy

Edit before sponsor ballot

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45. P 21 L 02 # 772  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-12  
English words should not be capitalized simply because their meaning is different from normal English usage.

SuggestedRemedy

Data Input/Output (MDIO) Interface  
==>  
data input/output (MDIO) interface

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 45 SC 45. P 22 L 05 # 773  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-13  
English words should not be capitalized simply because their meaning is different from normal English usage.

SuggestedRemedy

Manageable Device  
==>  
manageable device

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 45 SC 45. P 23 L 09 # 774  
David V James JGG

Comment Type ER Comment Status D

DVJ-14  
Values are normally listed starting from zero.

SuggestedRemedy

List the 0 value on top.

Proposed Response Response Status W  
PROPOSED REJECT.

This is in line with the .3am document

CI 45 SC 45.1 P 21 L 20 # 410  
Barrass, Hugh Cisco Systems

Comment Type E Comment Status D e

This paragraph adequately covers the application of Clause 45 MDIO access to Backplane Ethernet in the original version, therefore the changes are entirely unnecessary.

SuggestedRemedy

Delete all changes to 45.1

Proposed Response Response Status W  
PROPOSED ACCEPT.



## IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.1 P 21 L 21 # 461  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
Base document doesn't say 'Ethernet' before 'the following'

*SuggestedRemedy*

Remove the struck-out 'Ethernet'.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.1 P 21 L 21 # 126  
John, D'Ambrosia

Comment Type E Comment Status D  
Verbiage clarification  
""is applicable to the following""

*SuggestedRemedy*

change to  
""is applicable to any of the following""

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
Text will stay the same as in #461 and #410

CI 45 SC 45.2 P 21 L 36 # 199  
Grow, Robert Intel

Comment Type E Comment Status D  
Aren't both tables 1 and 2 redundant.

*SuggestedRemedy*

Correct editors note.

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
Will change:"This table is completely redundant with P802.3an and should only be included in the first amendment published."  
to:  
"This table is the same as P802.3an and does not need to be changed if amendment P802.3an is published first."

CI 45 SC 45.2 P 22 L 24 # 462  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
What's the purple for? Font size.

*SuggestedRemedy*

In editor's or editorial note as appropriate, at the beginning of the document, explain. Here, and next page, change to 9 point.

Proposed Response Response Status W  
PROPOSED ACCEPT.

The "Dark Blue" text indicates cross-references outside of this document and need to be replaced with real cross-references by the .3am editor.

Font was schanged to 9 point

CI 45 SC 45.2 P 23 L 20 # 177  
Spagna, Fulvio INTEL

Comment Type E Comment Status D  
Remove underlining

*SuggestedRemedy*

Proposed Response Response Status W  
PROPOSED REJECT.

This is new text and needs to be underlined as per the editors instructions.

CI 45 SC 45.2 P 26 L 18 # 178  
Spagna, Fulvio INTEL

Comment Type E Comment Status D  
Inconsistent format.

*SuggestedRemedy*

Remove underlining in description field of Bit 1.1.3

Proposed Response Response Status W  
PROPOSED REJECT.

Changed text needs to be underlined.

## IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.2 P 27 L 11 # 179  
Spagna, Fulvio INTEL

Comment Type E Comment Status D  
Inconsistent format.

*SuggestedRemedy*

Remove underlining for fields associated with Bit 1.4.3

Proposed Response Response Status W  
PROPOSED REJECT.

Changed text needs to be underlined.

CI 45 SC 45.2.1 P 24 L 18 # 463  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
Please show all the strikeouts to the base document.

*SuggestedRemedy*

Include '1.32 768', in black strikeout.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.1 P 25 L 10 # 775  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-15  
Nonstandard table line widths

*SuggestedRemedy*

==> very thin in center  
==> thin on edges

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.1 P 25 L 29 # 464  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
Please show what you are doing to the base document

*SuggestedRemedy*

For 1.0.5:2 Speed selection, de-underline some material, include stricken material.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.1.4 P 25 L 51 # 465  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
ports type

*SuggestedRemedy*

port types

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.1.4 P 25 L 51 # 26  
Muller, Shimon Muller Sun Microsystems, Inc

Comment Type E Comment Status D e  
See below

*SuggestedRemedy*

Replace "ports type" with "port types".

Proposed Response Response Status W  
PROPOSED ACCEPT.

# IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.2.1.10 P 29 L 10 # 632  
David V James JGG  
Comment Type ER Comment Status D e  
DVJ-21  
Nonstandard table line widths  
SuggestedRemedy  
==> very thin in center  
==> thin on edges  
Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.10 P 29 L 22 # 276  
McClellan, Brett Solarflare  
Comment Type E Comment Status D  
Missing text description of 1.11.3 and 1.11.4.  
For completeness and consistency in style add a text description for 1.11.4 and 1.11.3.  
See P802.3an D2.2 for reference.  
SuggestedRemedy  
add text as indicated  
Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.2 P 26 L 13 # 778  
David V James JGG  
Comment Type ER Comment Status D e  
DVJ-18  
Nonstandard table line widths  
SuggestedRemedy  
==> very thin in center  
==> thin on edges  
Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.2.2 P 2526 L 36 # 466  
Dawe, Piers Agilent  
Comment Type E Comment Status X open  
1.159  
SuggestedRemedy  
1.155, apparently. Also PICS item MM20a  
Proposed Response Response Status O

CI 45 SC 45.2.1.2.2 P 26 L 36 # 623  
Ganga, Ilango Intel  
Comment Type ER Comment Status D e  
Incorrect reference to register numbers. The correct reference should be ""registers 1.150 through 1.155 shall be used for configuration""  
SuggestedRemedy  
Change line 36 to read as, ""registers 1.150 through 1.155 shall be used for configuration and status of Backplane Ethernet port types""  
Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.4 P 27 L 10 # 630  
David V James JGG  
Comment Type ER Comment Status D e  
DVJ-19  
Nonstandard table line widths  
SuggestedRemedy  
==> very thin in center  
==> thin on edges of header and body  
Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.2.1.6.1 P 27 L 31 # 467  
Dawe, Piers Agilent

Comment Type E Comment Status X open

Contradiction: is it 'Insert the following subclause before subclause 45.2.1.6.1. Renum-  
ber appropriately' or 'Change the first paragraph in subclause 45.2.1.6.1 to read as follows:'?

## SuggestedRemedy

Sort out. Is there something missing?

Proposed Response Response Status O

CI 45 SC 45.2.1.6.1 P 28 L 08 # 631  
David V James JGG

Comment Type ER Comment Status D e

DVJ-20  
Nonstandard table line widths

## SuggestedRemedy

==> very thin in center  
==> thin on edges

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 45 SC 45.2.1.6.1 P 28 L 12 # 584  
Booth, Brad Intel

Comment Type E Comment Status D e

In Table 45-7, entry for 10GBASE-T states PMA/PMD type, but there is only a PMA type.

## SuggestedRemedy

Change entry to read: 1 0 0 1 = 10GBASE-T PMA type

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 45 SC 45.2.1.6.1 P 28 L 13 # 48  
Claseman, George Micrel Semiconductor

Comment Type E Comment Status D

In table 45-7, PMA / PMD type selection 1001 should be reserved (not yet approved, and  
not in 802.3am).

## SuggestedRemedy

See above.

Proposed Response Response Status W

PROPOSED REJECT.

Because the .3an amendment will be published before .3ap, this document will be written  
as an amendment to .3an.

CI 45 SC 45.2.1.6.1 P 28 L 14 # 49  
Claseman, George Micrel Semiconductor

Comment Type E Comment Status D

In table 45-7, PMA / PMD type selection 1000 should be reserved (not yet approved, and  
not in 802.3am).

## SuggestedRemedy

See above.

Proposed Response Response Status W

PROPOSED REJECT.

Because the .3an amendment will be published before .3ap, this document will be written  
as an amendment to .3an.

CI 45 SC 45.2.1.7.4 P 28 L 28 # 275  
McClellan, Brett Solarflare

Comment Type E Comment Status X open

""Change the last 4 sentences of the first paragraph of subclause 45.2.1.7.4 to read as  
follows: ""

This change applies to P802.3REVam prior to ammendments by P802.3an.  
P802.3an adds a sentence to this text.

This comment also applies to 45.2.1.7.5.

## SuggestedRemedy

change editor's note to prevent replacement of text added by P802.3an

Proposed Response Response Status O

## IEEE P802.3ap draft 2.0 Comments

---

CI 45 SC 45.2.1.7.4 P 28 L 30 # 468  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
Much of the text in this and the next subclause is not changed.

*SuggestedRemedy*

Use plain text and strikeout as well as underlining.

Proposed Response Response Status W  
PROPOSED ACCEPT.

---

CI 45 SC 45.2.1.7.4 P 28 L 32 # 625  
Ganga, Ilango Intel

Comment Type ER Comment Status D e  
Reference to Transmit Fault function for 1000BASE-KX is missing from the section 45.2.1.7.4 Transmit fault. Insert the following sentence before the description for KX4 PMD. The description of the transmit fault function for the 1000BASE-KX is given in 70.5.8

*SuggestedRemedy*

Insert the following sentence before the description for KX4 PMD. The description of the transmit fault function for the 1000BASE-KX is given in 70.5.8

Proposed Response Response Status W  
PROPOSED ACCEPT.

---

CI 45 SC 45.2.1.7.5 P 28 L 43 # 624  
Ganga, Ilango Intel

Comment Type ER Comment Status D e  
Reference to Receive Fault function for 1000BASE-KX is missing from section 45.2.1.7.5. Insert the following sentence before the description for KX4 PMD.

*SuggestedRemedy*

Insert the following sentence before the description for KX4 PMD. The description of the receive fault function for the 1000BASE-KX is given in 70.5.9

Proposed Response Response Status W  
PROPOSED ACCEPT.

---

CI 45 SC 45.2.1.75 P 29 L 36 # 633  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-22  
Nonstandard table line widths

*SuggestedRemedy*

==> very thin in center  
==> thin on edges

Proposed Response Response Status W  
PROPOSED ACCEPT.

---

CI 45 SC 45.2.1.75 P 29 L 47 # 626  
Ganga, Ilango Intel

Comment Type ER Comment Status D e  
Cross references variables in section 72.5.10.3.x has links missing in pdf file  
This is true for all the cross references to clause 72 from pages 29 through 34 in clause 45.2.1.75.x

*SuggestedRemedy*

Fix the cross reference links in pdf file. All references to clause 72 in pages 29 thorough 34 in clause 45.2.1.75.x

Proposed Response Response Status W  
PROPOSED ACCEPT.

---

CI 45 SC 45.2.1.76 P 30 L 10 # 634  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-23  
Nonstandard table line widths

*SuggestedRemedy*

==> very thin in center  
==> thin on edges

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.2.1.76 P 30 L 12 # 469  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
in-progress

SuggestedRemedy  
in progress

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.76 P 30 L 19 # 180  
Spagna, Fulvio INTEL

Comment Type E Comment Status D e  
SC is not used in this table.

SuggestedRemedy  
Remove SC text.

Proposed Response Response Status W  
PROPOSED ACCEPT.

Text replaced with: "RO = Read Only"

CI 45 SC 45.2.1.76 P 30 L 37 # 470  
Dawe, Piers Agilent

Comment Type E Comment Status D  
These two sentences are hard to decode, partly because they are very similar yet neither relates clearly to the title of the subclause:  
'The 10GBASE-KR coefficient update registers reflect the contents of the first 16-bit word of the training frame control channel. The LP coefficient update register mirrors the contents of the most recently received training frame.'

SuggestedRemedy

Change to:  
'The 10GBASE-KR LP coefficient update register reflects the contents of the first 16-bit word of the most recently received training frame.' [or, ...the training frame most recently received from the control channel.] Similarly in following subclauses.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.77.3 P 31 L 05 # 277  
McClellan, Brett Solarflare

Comment Type E Comment Status D  
Missing text description of bits in register 1.152.

For completeness and consistency in style add a text description for the bits in register 1.152.

SuggestedRemedy  
add text as indicated

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Need text

CI 45 SC 45.2.1.77.3 P 31 L 10 # 635  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-24  
Nonstandard table line widths

SuggestedRemedy  
==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.77.3 P 31 L 10 # 585  
Booth, Brad Intel

Comment Type E Comment Status D e  
In Table 45-55, the bit numbering in the Description column should be underlined.

SuggestedRemedy  
Underline 15 and 14 in the first row, 5 and 4 in the 4th row, 3 and 2 in the 5th row, and 1 and 0 in the last row.

Same type of edit applies to Tables 45-56, 45-57, and 45-58.

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.2.1.77.3 P31 L 33 # 181  
Spagna, Fulvio INTEL

Comment Type E Comment Status D e  
SC bits are not used in this table

SuggestedRemedy  
Remove SC related text.

Proposed Response Response Status W  
PROPOSED ACCEPT.

Text replaced with: "RO = Read Only"

CI 45 SC 45.2.1.77.3 P32 L 29 # 182  
Spagna, Fulvio INTEL

Comment Type E Comment Status D e  
SC registers are not used in this table.

SuggestedRemedy  
Remove SC related text.

Proposed Response Response Status W  
PROPOSED ACCEPT.

Text replaced with: "RO = Read Only"

CI 45 SC 45.2.1.78 P32 L 08 # 636  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-25  
Nonstandard table line widths

SuggestedRemedy  
==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.79 P32 L 47 # 183  
Spagna, Fulvio INTEL

Comment Type E Comment Status D  
Add reference to control channel definition.

SuggestedRemedy  
Change first sentence to read: ""The 10GBASE-KR coefficient update registers reflect the content of the first 16-bit word of the training frame control channel as defined in 75.5.10.2""

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Do not have text for 75.5.10.2

CI 45 SC 45.2.1.79.3 P33 L 22 # 637  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-26  
Nonstandard table line widths

SuggestedRemedy  
==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.79.3 P33 L 41 # 184  
Spagna, Fulvio INTEL

Comment Type E Comment Status D e  
SC type registers are not used in this table.

SuggestedRemedy  
Remove SC related text.

Proposed Response Response Status W  
PROPOSED ACCEPT.

Text replaced with: "RO = Read Only"

## IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.2.1.80 P 33 L 46 # 185  
Spagna, Fulvio INTEL

Comment Type E Comment Status D  
Add reference to control channel definition.

*SuggestedRemedy*

Change first sentence to read: ""The 10GBASE-KR status report registers reflect the content of the second 16-bit word of the training frame control channel as defined in 75.5.10.2""

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Do not have text for 75.5.10.2

CI 45 SC 45.2.1.80 P 33 L 48 # 471  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
the contents of the current outgoing training frame, as training state machine defined in Figure 72-4.

*SuggestedRemedy*  
means?

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Change to: "the contents of the current outgoing training frame, as defined in the training state machine in Figure 72-4."

CI 45 SC 45.2.1.80 P 34 L 09 # 638  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-27  
Nonstandard table line widths

*SuggestedRemedy*

==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.1.80 P 34 L 29 # 186  
Spagna, Fulvio INTEL

Comment Type E Comment Status D e  
SC type registers are not used in this table.

*SuggestedRemedy*

Remove SC related text.

Proposed Response Response Status W  
PROPOSED ACCEPT.

Text replaced with: "RO = Read Only"

CI 45 SC 45.2.7 P 34 L 47 # 281  
McClellan, Brett Solarflare

Comment Type ER Comment Status D  
Both P802.3an and P802.3ap are adding this new AN Registers subclause into Clause 45, however they are out of sync, use different text descriptions, and both intend to use the same registers for different purposes.  
Most notably see registers 7.16, 7.19.

*SuggestedRemedy*

Synchronize with P802.3an and use common naming and text descriptions. Either use different registers for bits already defined, or explain the dual use of register bits in 7.16 and 7.19.

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

This document will be rewritten after .3an is stable, and before sponsor ballot, as an amendment to .3an.

CI 45 SC 45.2.7 P 34 L 51 # 587  
Booth, Brad Intel

Comment Type E Comment Status D e  
Missing period at end of sentence.

*SuggestedRemedy*

As per comment.

Proposed Response Response Status W  
PROPOSED ACCEPT.



## IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.2.7 P 34 L 51 # 472  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
for AN MMD are ... 117

SuggestedRemedy  
for the AN MMD is ... 117.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7 P 35 L 08 # 639  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-28  
Nonstandard table line widths

SuggestedRemedy  
==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7.1 P 36 L 12 # 640  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-29  
Nonstandard table line widths

SuggestedRemedy  
==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7.1.3 P 37 L 08 # 482  
Dawe, Piers Agilent

Comment Type E Comment Status X open  
In clause 45, we don't say 'logic one', 'logic zero', just 'one', 'zero'.

SuggestedRemedy  
Delete 'logic' or 'a logic'. Scrub the clause.

Proposed Response Response Status O

CI 45 SC 45.2.7.1.3 P 37 L 08 # 779  
Beck, Michael Alcatel Bell n.v.

Comment Type E Comment Status D e  
typo: self-cleaning

SuggestedRemedy  
change to: self-clearing

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7.1.3 P 37 L 08 # 479  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
self-cleaning

SuggestedRemedy  
self-clearing

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7.100 P 43 L 06 # 598  
Booth, Brad Intel

Comment Type ER Comment Status X open  
In table 45-200, the heading for the right-hand column should be ""R/W"" not ""RO"".

SuggestedRemedy  
Change ""RO"" to be ""R/W"".

Proposed Response Response Status O

## IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.2.7.100 P 43 L 08 # 648  
David V James JGG

Comment Type ER Comment Status D e

DVJ-37  
Nonstandard table line widths

## SuggestedRemedy

==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 45 SC 45.2.7.100 P 43 L 24 # 436  
Kim, Yong Broadcom

Comment Type E Comment Status X open

It would be friendly to define the relationship between 7.48.0 and 7.48.1~3 in default value context. What is the meaning of bits 1~3, if 7.48.0 value is 0?

## SuggestedRemedy

Add text in 45.2.7.100.1 to say that if 7.48.0 value is 0, then bits 1~3 defaults to 0 and ignored upon read by mgmt.

Proposed Response Response Status O

CI 45 SC 45.2.7.100.1 P 43 L 23 # 495  
Dawe, Piers Agilent

Comment Type E Comment Status D caps

Capitals, order of words

## SuggestedRemedy

Port type negotiated. Or better, Negotiated port type.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 45 SC 45.2.7.100.1 P 43 L 25 # 496  
Dawe, Piers Agilent

Comment Type E Comment Status D

Grammar, spell out small integers

## SuggestedRemedy

When the AN process ... Only one of the three is ...

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 45 SC 45.2.7.12 P 36 L 42 # 187  
Spagna, Fulvio INTEL

Comment Type E Comment Status D e

Add references to PMA/PMD control registers.

## SuggestedRemedy

Change second sentence in paragraph to read: ""If bit 7.0.12 is set to a one, then speed selection bits 1.0.13, 1.0.6, and 1.0.5:2 in PMA/PMD control 1 register (Table 45-7) and PMA/PMD type selection bits 1.7.3:0 in PMA/PMD control 2 register (Table 45-4) shall have no effect on the link configuration, and station operation other than that specified by the AN protocol.""

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 45 SC 45.2.7.2 P 37 L 16 # 480  
Dawe, Piers Agilent

Comment Type E Comment Status D caps

Capitals

## SuggestedRemedy

AN status, next page able, new page, Parallel detection fault, the parallel detection, Page received, Link status

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.2.7.2 P 37 L 22 # 596  
Booth, Brad Intel

Comment Type ER Comment Status D e  
In table 45-119, the heading for the right-hand column should be ""R/W"" not ""RO"".

## SuggestedRemedy

Change ""RO"" to be ""R/W"". Add the following text to footnote 1: LH = Latching High, SC = Self-Clearing, LL = Latching Low

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7.2 P 37 L 24 # 642  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-31  
Nonstandard table line widths

## SuggestedRemedy

==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7.2 P 37 L 26 # 481  
Dawe, Piers Agilent

Comment Type E Comment Status D Caps  
Names for ability bits (like AN ability)

## SuggestedRemedy

LD next page ability, LP next page ability, LP AN ability. May be associated changes in clause 73.

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 45 SC 45.2.7.2 P 37 L 35 # 150  
Spagna, Fulvio INTEL

Comment Type E Comment Status D e  
Correct formatting in register type column.

## SuggestedRemedy

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7.2 P 37 L 53 # 149  
Spagna, Fulvio INTEL

Comment Type ER Comment Status D e  
Definitions for SC, LH and LL register types are missing.

## SuggestedRemedy

Add:  
SC = Self Clearing  
LH = Latched High  
LL = Latched Low

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7.2.5 P 38 L 26 # 151  
Spagna, Fulvio INTEL

Comment Type ER Comment Status D e  
Paragraph titling is not consistent with other paragraph related to Register 7.1

## SuggestedRemedy

Change title from ""Auto-Negotiation complete"" to ""AN complete""

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.2.7.2.7 P 38 L 43 # 152  
Spagna, Fulvio INTEL

Comment Type ER Comment Status D e  
Paragraph titling is not consistent with other paragraph related to Register 7.1

*SuggestedRemedy*

Change title from ""Auto-Negotiation ability"" to ""AN ability""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7.3 P 38 L 26 # 153  
Spagna, Fulvio INTEL

Comment Type ER Comment Status D  
Notation consistency problems in Table 45-120

*SuggestedRemedy*

Change following from:

7.16.12	C2	See 73.6	R/W
7.16.11:10	Pause	C1:C0 See 73.6.5	R/W
7.16.9:5	E4:E0	See 73.6.2	R/W

to:

7.16.12	Reserved	C[2]See 73.6	R/W
7.16.11:10	Pause	C[1:0] See 73.6.5	R/W
7.16.9:5	Echoed Nonce Field	E[4:0] See 73.6.2	R/W

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7.3 P 39 L 10 # 486  
Dawe, Piers Agilent

Comment Type E Comment Status D Caps  
Capitals

*SuggestedRemedy*

AN advertisement registers. Also acknowledge, line 48, advertised ability on next page.  
Further on, Unformatted code field, next page link code word...

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 45 SC 45.2.7.3 P 39 L 12 # 28  
Marris, Arthur

Comment Type E Comment Status X open  
What does ""register(s)"" mean?

*SuggestedRemedy*

Consider changing ""registers(s)"" to ""registers"" on lines 12 and 36 and also on lines 9, 22 and 50 on page 40.

Proposed Response Response Status O

CI 45 SC 45.2.7.3 P 39 L 17 # 643  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-32  
Nonstandard table line widths

*SuggestedRemedy*

==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7.3 P 39 L 40 # 154  
Spagna, Fulvio INTEL

Comment Type E Comment Status X open  
Sentence need to be rephrased as it is not clear.

*SuggestedRemedy*

I wish I knew. I do not understand what is being said.

Proposed Response Response Status O

## IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.2.7.4 P 40 L 14 # 156  
Spagna, Fulvio INTEL

Comment Type ER Comment Status D e

Text indicates that all AN LP bits are read only. Table 45-121 indicates that bits 7.20.4:0 are R/W.

## SuggestedRemedy

Enforce consistency.

Note: If 7.20.4:0 is of type R/W the table needs to be amended to show what R/W means.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 45 SC 45.2.7.4 P 40 L 24 # 597  
Booth, Brad Intel

Comment Type ER Comment Status D e

In table 45-121, the heading for the right-hand column should be ""R/W"" not ""RO"".

## SuggestedRemedy

Change ""RO"" to be ""R/W"". Add the following text to footnote 1: R/W = Read/Write

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 45 SC 45.2.7.4 P 40 L 26 # 645  
David V James JGG

Comment Type ER Comment Status D e

DVJ-34  
Nonstandard table line widths

## SuggestedRemedy

==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 45 SC 45.2.7.4 P 40 L 35 # 155  
Spagna, Fulvio INTEL

Comment Type ER Comment Status D

Notation consistency problems in Table 45-121

## SuggestedRemedy

Change following from:

7.19.12	C2	See 73.6	R/W
7.19.11:10	Pause	C1:C0 See 73.6.5	R/W
7.19.9:5	E4:E0	See 73.6.2	R/W

to:

7.19.12	Reserved	C[2]See 73.6	R/W
7.19.11:10	Pause	C[1:0] See 73.6.5	R/W
7.19.9:5	Echoed Nonce Field	E[4:0] See 73.6.2	R/W

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 45 SC 45.2.7.5 P 40 L 47 # 490  
Dawe, Piers Agilent

Comment Type E Comment Status D

Consistency with 802.3an. Compare P802.3an/D2.2 45.2.7.8. This references 73.7.7.1, that references 28.2.3.4. Other differences.

## SuggestedRemedy

Coordinate with .3an, compare the two Cl.45 AN sections. Use phrases like 'of the BP Ethernet PHY' sparingly; just say 'of the PHY' or 'of the local device'.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 45 SC 45.2.7.5 P 41 L 09 # 646  
David V James JGG

Comment Type ER Comment Status D e

DVJ-35  
Nonstandard table line widths

## SuggestedRemedy

==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.2.7.5 P 41 L 21 # 158  
Spagna, Fulvio INTEL

Comment Type E Comment Status D e  
All bits in the table are defined as R/W.

SuggestedRemedy  
Remove RO definition.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7.6 P 42 L 09 # 647  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-36  
Nonstandard table line widths

SuggestedRemedy  
==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.2.7.6 P 42 L 21 # 160  
Spagna, Fulvio INTEL

Comment Type E Comment Status D e  
All bits in the table are defined as R/W.

SuggestedRemedy  
Remove RO definition.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.5 P 43 L 37 # 599  
Booth, Brad Intel

Comment Type ER Comment Status D e  
PICS should start at the top of a new page.

SuggestedRemedy  
As per comment.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.5 P 43 L 37 # 497  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
PICS always start a new page, need copyright release footnote.

SuggestedRemedy  
Per comment, for three or four clauses.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 45 SC 45.5.3.3 P 45 L 32 # 621  
Ganga, Ilango Intel

Comment Type E Comment Status D e  
Only registers 1.150 through 1.155 are defined for BP. Change line to read as ""Extensions for Backplane Ethernet at 1.150 through 1.155""

SuggestedRemedy  
Change line to read as ""Extensions for Backplane Ethernet at 1.150 through 1.155""

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 45 SC 45.5.3.5 P 46 L 01 # 282  
McClellan, Brett Solarflare

Comment Type ER Comment Status D

The PICS are inconsistent with P802.3an.

*SuggestedRemedy*

Synchronize with P802.3an and use consistent PIC numbering and naming.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

This document will be rewritten after .3an is stable, and before sponsor ballot, as an amendment to .3an.

CI 45 SC Table 45-11 P 29 L 16 # 291  
Zimmerman, George Solarflare Communica

Comment Type E Comment Status D e

1.11.2 is reserved here and 10GBASE-T ability in 802.3an

*SuggestedRemedy*

align drafts - be consistent - in many other places the concurrent draft changes are called out. Add an editor's note so that these bits don't get re-mapped to reserved should this amendment follow the 802.3an amendment (I suspect similar treatment is deserved 802.3aq).

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

To avoid conflict with other TFs removed the last two rows in table and changed the editors note.

CI 45 SC Table 45-12 P 29 L 16 # 313  
Baumer, Howard Broadcom

Comment Type E Comment Status D

Why are bits 1 & 2 reserved? These should be continuously filled.

*SuggestedRemedy*

Move .4 & .3 down to start at .1 & .2 unless taken by another TF. If taken by another task force then so state

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

See #291

CI 45 SC Table 45-5 P 26 L 08 # 290  
Zimmerman, George Solarflare Communica

Comment Type E Comment Status D e

Table is incorrectly labeled as 45-1. (yeah, I know it's small)

*SuggestedRemedy*

Correct labeling of table to whatever is correct in rev am I think it should be 45-5.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 45 SC Table 45-7 P 28 L 13 # 292  
Zimmerman, George Solarflare Communica

Comment Type E Comment Status D e

10GBASE-T only has a PMA type

*SuggestedRemedy*

Change 10GBASE-T PMA/PMD type to 10GBASE-T PMA type, per 802.3an D2.2

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC 69.1.1 P 49 L 10 # 498  
Dawe, Piers Agilent

Comment Type E Comment Status D e

Does either the chassis or the backplane need to be modular to for backplane Ethernet?

*SuggestedRemedy*

Delete 'modular'?

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC 69.1.1 P 49 L 16 # 29  
Marris, Arthur

Comment Type E Comment Status D e

Change ""included"" to ""include""

*SuggestedRemedy*

Change ""included"" to ""include""

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 69 SC 69.1.1 P 49 L 23 # 499  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
supported?

SuggestedRemedy  
used

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 69 SC 69.1.2 P 49 L 33 # 308  
Seemann, Brian Xilinx

Comment Type E Comment Status X open  
This sentence uses the words ""meeting the requirements of 69.3"", but 69.3 is informative.

d) Support operation over links consistent with differential, controlled impedance traces on a printed circuit board with 2 connectors and total length up to at least 1m meeting the requirements of 69.3.

SuggestedRemedy  
""...and total length up to at least 1m consistent with the guidelines of 69.3.""

Proposed Response Response Status O

CI 69 SC 69.1.2 P 49 L 33 # 500  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
1m. In 71.1, 50cm (not SI) and 1m. Later, 1Gb/s

SuggestedRemedy  
1 space m, 0.5 space m , and so on.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 69 SC 69.1.2 P 49 L 37 # 611  
Diab, Wael Cisco

Comment Type ER Comment Status D  
The objective states that the BER should be 10e-12 or better. Are the BER for the various interfaces all the same? Could a better BER be reached for the higher speed interfaces?

SuggestedRemedy  
Please state the BER requirements for each interface separately

Proposed Response Response Status W  
PROPOSED REJECT.

The objectives states a BER of better or equal to 10e-12 over all backplanes.

CI 69 SC 69.1.3 P 50 L 18 # 411  
Barrass, Hugh Cisco Systems

Comment Type E Comment Status D e  
The BP Clause numbers are not shown in the diagram. Thus the diagram fails to show the architectural position of BPE"" as promised.

SuggestedRemedy  
Add the Clause numbers to the reflect BP Clauses.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 69 SC 69.1.3 P 50 L 19 # 588  
Booth, Brad Intel

Comment Type E Comment Status D e  
In Figure 69-1, the PHY bracket on the right should also encompass the PCS blocks.

SuggestedRemedy  
Increase the size of the bracket.

Proposed Response Response Status W  
PROPOSED ACCEPT.



## IEEE P802.3ap draft 2.0 Comments

---

CI 69 SC 69.2 P 49 L 33 # 161  
Spagna, Fulvio INTEL  
Comment Type ER Comment Status X open  
Text indicates that link is meeting requirements of 69.3 which is informative.  
SuggestedRemedy  
Remove ""meeting the requirements of 69.3""  
Proposed Response Response Status O

---

CI 69 SC 69.2.3 P 51 L 16 # 6  
Daines, Kevin  
Comment Type E Comment Status D e  
""1Gb/s"" should be ""1 Gb/s"" to be consistent with the base standard.  
SuggestedRemedy  
Per comment  
Proposed Response Response Status W  
PROPOSED ACCEPT.

---

CI 69 SC 69.2.3 P 51 L 21 # 7  
Daines, Kevin  
Comment Type E Comment Status D e  
""10Gb/s"" should be ""10 Gb/s""  
also on line 26 in next paragraph  
SuggestedRemedy  
See comment  
Proposed Response Response Status W  
PROPOSED ACCEPT.

---

CI 69 SC 69.2.3 P 51 L 38 # 278  
McClellan, Brett Solarflare  
Comment Type E Comment Status D e  
Clause 70 specifies the 1000BASE-KX PMD, not PMD/PCS/PMA.  
SuggestedRemedy  
Change table entry from ""1000BASE-KX PMD/PCS/PMA""  
to: ""1000BASE-KX PMD""  
Proposed Response Response Status W  
PROPOSED ACCEPT.

---

CI 69 SC 69.2.3 P 51 L 47 # 255  
Tom Palkert Xilinx  
Comment Type E Comment Status D e  
Typo: '1000ASE-KX' should be '1000BASE-KX' in first entry in Nomenclature column  
SuggestedRemedy  
Proposed Response Response Status W  
PROPOSED ACCEPT.

---

CI 69 SC 69.2.3 P 51 L 48 # 651  
David V James JGG  
Comment Type ER Comment Status D e  
DVJ-40  
Nonstandard table line widths  
SuggestedRemedy  
==> very thin in center  
==> thin on edges of header and body  
Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 69 SC 69.2.4 P 52 L 08 # 207  
Grow, Robert Intel

Comment Type E Comment Status D e

The second sentence is a lame rationalization for why AN is the way it is in Backplane. Reuse of silicon design modules is easily as important as what you interconnect depending on who the user of the standard is.

## SuggestedRemedy

Delete the introductory phrase ""Since connection of ... , "".

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Deleted only first half of sentence: "Since the connection of twisted-pair and backplane physical layer signaling systems is not expected,"

CI 69 SC 69.2.5 P 52 L 19 # 208  
Grow, Robert Intel

Comment Type E Comment Status D e

SCC 14 will comment about this looking like an equation.

## SuggestedRemedy

10 Mb/s, 100 Mb/s, 1000 Mb/s and 10 Gb/s...

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC 69.3 P 52 L 22 # 209  
Grow, Robert Intel

Comment Type ER Comment Status X open

Though previous clauses have included informative subclauses, the practice is now deprecated and such inclusion requires publication editor approval (2005 Style Manual, 10.1, 1).

## SuggestedRemedy

I see three options:

1. Move this informative information to an informative annex.
2. Get IEEE publication editor approval for leaving it as is.
3. Rewrite it as tutorial background for the normative text that includes the ""shall""s.

Proposed Response Response Status O

CI 69 SC 69.3.1 P 52 L 26 # 580  
Ghiasi, Ali Broadcom

Comment Type ER Comment Status X open

Backplane ethernet links are primarily intended as point-point interfaces of up to 1 m using differential

## SuggestedRemedy

Backplane Ethernet link operates in point to point fashions over 1 m of improved FR4 with two connectors.

Proposed Response Response Status O

CI 69 SC 69.3.1 P 52 L 27 # 437  
Kim, Yong Broadcom

Comment Type E Comment Status D need text

It is not clear whether the objective is 1 m over low-cost PCB, or whether any PCB traces (media) length that conforms to TX and RX spec meets 802.3ap requirements. The text could be read either way (my interpretation is the latter). Also the last sentence ""The performance... specific implementation"" does not add substance to the clause.

## SuggestedRemedy

Please clarify what requirement needs to be met for conformance.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Need text

## IEEE P802.3ap draft 2.0 Comments

CI 69 SC 69.3.1.1 P 52 L 33 # 210  
Grow, Robert Intel

Comment Type ER Comment Status D

The term ""this section"" is ambiguous. Does it mean 69.3 or only 69.3.1.1 or what.

SuggestedRemedy

Clarify.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change:

"For purposes of this section, the backplane interconnect is defined between test points TP1 and TP4 as shown in Figure 69-2."

to and move into 69.3.1 Overview:

"The purposes of this section 69.3 is to define the backplane interconnect between test points TP1 and TP4 as shown in Figure 69-2."

CI 69 SC 69.3.1.1 P 53 L 01 # 135  
John, D'Ambrosia

Comment Type E Comment Status X open

Fig 69-2 inconsistent with Fig 70-1

SuggestedRemedy

replace 69-2 with 70-1

Proposed Response Response Status O

CI 69 SC 69.3.1.1 P 53 L 08 # 61  
van Doorn, Schelto

Comment Type E Comment Status D e

Redraw Figures in native Frame:

P53 fig69-3

P70 fig70-1

P87 fig71-1

P107 fig 72-1

SuggestedRemedy

As mentioned above

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC 69.3.1.1 P 53 L 12 # 652  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-41

Capitalization within figure callouts should be limited to the first word, as per IEEE Style Guide. This rule always applies, regardless of whether the callout is split into multiple lines.

SuggestedRemedy

Mated Connecto

==>

Mated connecto

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 69 SC 69.3.1.1 P 53 L 15 # 653  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-42

Capitalization within figure callouts should be limited to the first word, as per IEEE Style Guide. This rule always applies, regardless of whether the callout is split into multiple lines.

SuggestedRemedy

Backplane Channel

==>

Backplane channel

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 69 SC 69.3.2 P 53 L 21 # 212  
Grow, Robert Intel

Comment Type E Comment Status D

Use the correct symbol

SuggestedRemedy

Replace with the Symbol font single character for +/-.

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 69 SC 69.3.3.1 P 54 L 06 # 506  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
Table wastes space

SuggestedRemedy  
Redo the 'shrink to fit'.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 69 SC 69.3.3.1 P 54 L 06 # 507  
Dawe, Piers Agilent

Comment Type E Comment Status D  
Variables and coefficients should be in italics, not just in equations.

SuggestedRemedy  
Put them in italics:  $f_{min}$   $b_1$   $I_{Lmax}$   $A(f)$ , more

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 69 SC 69.3.3.1 P 54 L 20 # 66  
Alping, Arne

Comment Type E Comment Status D e  
Unit dB is missing for all insertion loss parameters in Table 69-2

SuggestedRemedy  
Insert dB in the units column (from line 20 and down)

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 69 SC 69.3.3.2 P 54 L 44 # 319  
Baumer, Howard Broadcom

Comment Type E Comment Status D e  
Missing "the"

SuggestedRemedy  
Change "à is defined to be least mean ..." to "à is defined to be the least mean ..."

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 69 SC 69.3.3.2 P 54 L 45 # 508  
Dawe, Piers Agilent

Comment Type E Comment Status D need text  
To make the algorithm give a unique answer, need to say how the measurement frequencies are disposed.

SuggestedRemedy  
Evenly in frequency, logarithmically, what?

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

CI 69 SC 69.3.3.2 P 55 L 13 # 101  
Moore, Charles

Comment Type E Comment Status D e  
text says: ""it is recommended that attenuation of the channel be greater than the worst-case attenuation limit described by the equation: ""

While the equation has a less than or equal sign. The intent was less than.

SuggestedRemedy  
change test to read:

""it is recommended that attenuation of the channel be less than the worst-case attenuation limit described by the equation: ""

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 69 SC 69.3.3.2 P 55 L 13 # 295  
Abler, Joe IBM

Comment Type E Comment Status D e

the use of ""greater than"" is in context with the real value of loss considering the attenuation will be a negative value. This will be confusing to some if the usage isn't consistent throughout the document. The first inconsistency is with the the IL figures (69-3, 69-4, and 69-5), which show absolute values for loss, which is going to cause confusion in reference to the ""greater than"" statement.

## SuggestedRemedy

Indicate IL dB values on Figures 69-3, 69-4, and 69-5 as negative numbers. An alternative could be to change line 13 phrasing of ""be greater than"" to ""not exceed"". A similar change would be needed for line 29.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Changed to "less than"

CI 69 SC 69.3.3.2 P 55 L 13 # 67  
Alping, Arne

Comment Type ER Comment Status D e

Now using Attenuation with a positive sign ""greater"" has to be changed to ""smaller""

## SuggestedRemedy

Change ""... attenuation of the channel be greater than ..."" to ""... attenuation of the channel be smaller than ...""

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Changed to: ""... attenuation of the channel be less than ...""

CI 69 SC 69.3.3.2 P 55 L 21 # 320  
Baumer, Howard Broadcom

Comment Type E Comment Status D e

Missing "in"

## SuggestedRemedy

Change "à limit defined 69.3.3.4, ..." to "à limit defined in 69.3.3.4, ..."

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC 69.3.3.2 P 54 L 08 # 654  
David V James JGG

Comment Type ER Comment Status D e

DVJ-43  
Nonstandard table line widths

## SuggestedRemedy

==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC 69.3.3.3 P 55 L 28 # 102  
Moore, Charles

Comment Type E Comment Status D e

Test reads: The insertion loss is defined as the magnitude, expressed in decibels, of the differential response measured from TP1 to TP4. It is recommended that the insertion loss magnitude, IL(f), be greater than the lower limit defined by Equation (69-7) and Equation (69-8).

While the equations show less than or equal signs. The intent was less than.

## SuggestedRemedy

Change text to read:  
The insertion loss is defined as the magnitude, expressed in decibels, of the differential response measured from TP1 to TP4. It is recommended that the insertion loss magnitude, IL(f), be less than the lower limit defined by Equation (69-7) and Equation (69-8).

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 69 SC 69.3.3.3 P 55 L 29 # 68  
Alping, Arne

Comment Type ER Comment Status D

The Insertion loss should be smaller, not greater, than the limit specified in Eq (69-7) and Eq (69-8)

*SuggestedRemedy*

Change ""... be greater than the lower limit defined by ..."" to ""... be smaller than the limit defined by ...""

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Changed to: ""... be less than the limit defined by ...""

CI 69 SC 69.3.3.3 P 55 L 2930 # 309  
Seemann, Brian Xilinx

Comment Type E Comment Status D e

Says: ""...the insertion loss magnitude, IL(f), be greater than the lower limit defined by Equation (69-7) and Equation (69-8).""

But Eq. 69-7 and 69-8 indicate less than.

*SuggestedRemedy*

""...the insertion loss magnitude, IL(f), be less than the lower limit defined by Equation (69-7) and Equation (69-8).""

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Changed to:

"The insertion loss is defined as the magnitude, expressed in decibels, of the differential response measured from TP1 to TP4. It is recommended that the insertion loss magnitude, IL(f), be less than the lower limit defined by Equation (69-7) and Equation (69-8)."

CI 69 SC 69.3.3.3 P 55 L 41 # 69  
Alping, Arne

Comment Type ER Comment Status D e

Wrong word: ""are"" should be ""and""

*SuggestedRemedy*

Change ""... f2, are fmax are ..."" to ""... f2, and fmax are ...""

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC 69.3.3.3 P 55 L 53 # 127  
John, D'Ambrosia

Comment Type E Comment Status D e

Add the following verbiage

*SuggestedRemedy*

The values of f1 and f2 are dependent on port type and are given in Table 69-2.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC 69.3.3.3 P 56 L 01 # 321  
Baumer, Howard Broadcom

Comment Type E Comment Status D e

Missing "in"

*SuggestedRemedy*

Change "à limit defined 69.3.3.4, ..." to "à limit defined in 69.3.3.4, ..."

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC 69.3.3.5 P 58 L 24 # 130  
John, D'Ambrosia

Comment Type ER Comment Status D e

Development of the ICR in the Task Force considered conditions where victim and aggressor are like PHYs with similar equalization needs, but this is not stated.

*SuggestedRemedy*

Add the following verbiage -

""The following equations and informative model assume that the aggressors and victim are being driven by similar PHYs.""

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 69 SC 69.3.3.5 P 58 L 27 # 92  
Healey, Adam

Comment Type E Comment Status D e

First sentence reads, ""In order to limit the crosstalk at the receiver..."". This is potentially ambiguous and really should be ""at TP4"" to be consistent with reference model defined earlier.

*SuggestedRemedy*

Change occurrence of ""at the receiver"" in 69.3.3.5 to ""at TP4"". Note occurrences in 69.3.3.5.1, 69.3.3.5.2, 69.3.3.5.3, and 69.3.3.5.4.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 69 SC 69.3.3.5.1 P 58 L 30 # 91  
Healey, Adam

Comment Type E Comment Status D e

The equations for TNEXT(f) and TFEXT(f) are identical to the power-sum NEXT (PSNEXT) and power-sum FEXT (PSFEXT) parameters defined in other clauses. IEEE P802.3ap has invented a new term to define a commonly used parameter and there is no obvious advantage to this new nomenclature.

*SuggestedRemedy*

Change TNEXT(f) to PSNEXT(f) and TFEXT(f) to PSFEXT(f). Note occurrences in 69.3.3.5.1, 69.2.2.5.2, and 69.2.2.5.3.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 69 SC 69.3.3.5.1 P 58 L 31 # 655  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-44  
English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

Differential Near-End Crosstalk  
==>  
differential near-end crosstalk

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 69 SC 69.3.3.5.2 P 58 L 40 # 656  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-45  
English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

Differential Far-End Crosstalk  
==>  
differential far-end crosstalk

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 69 SC 69.3.3.5.3 P 59 L 02 # 657  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-46  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

Total Differential Crosstalk  
==>  
Total differential crosstalk

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 69 SC 69.3.3.5.4 P 59 L 12 # 658  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-47

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

Insertion Loss to Crosstalk Ratio (ICR)

==>

Insertion loss to crosstalk ratio (ICR)

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 69 SC 69.3.3.5.4 P 59 L 13 # 70  
Alping, Arne

Comment Type E Comment Status D e

A comma is missing

*SuggestedRemedy*

Change "... from TP1 to TP2 to the total ..." to "... from TP1 to TP2, to the total ..."

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC 69.4 P 60 L 23 # 514  
Dawe, Piers Agilent

Comment Type E Comment Status X open

Table 69-4 does little but duplicate table 44-2. Other projects are adding rows to that, and you have to edit clause 44 anyway. Marking these tables as 'informative' is misleading.

*SuggestedRemedy*

Refer to and modify table 44-2, remove table 69-4. Similarly for table 69-3 if practical. If you do keep them, change 'Delay Constraints' to 'delay constraints'

Proposed Response Response Status O

CI 69 SC 69.5 P 60 L 47 # 218  
Grow, Robert Intel

Comment Type E Comment Status D e

I think we are attempting to deprecate the term state machine (at least that was the consensus when I had to remove its use in 802.3z and 802.3ae).

*SuggestedRemedy*

Change to state diagram. Search on state machine and replace in all 16 occurrences with appropriate grammatical correction of surrounding text.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC 69.6 P 61 L 03 # 219  
Grow, Robert Intel

Comment Type E Comment Status D e

The correct reference when referring to the standard is IEEE Std 802.3.

*SuggestedRemedy*

Change IEEE 802.3 to IEEE Std 802.3.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC 69.6 P 61 L 10 # 220  
Grow, Robert Intel

Comment Type E Comment Status D e

I don't think the statement is correct. PICS conventions changed a bit, in particular the column order and the virtual elimination of free form entry. the instructions in 21.6.3 are not completely accurate for the PICS format used as columns are identified in that section by number rather than by title.

*SuggestedRemedy*

Either rewrite or correct 21.6 to cover both formats. Possibly

Each of the Backplane Ethernet PICS uses the notation and conventions specified in 21.6.

Proposed Response Response Status W

PROPOSED ACCEPT.

Use text: "Each of the Backplane Ethernet PICS uses the notation and conventions specified in 21.6."



## IEEE P802.3ap draft 2.0 Comments

CI 69 SC 69.6 P 61 L 10 # 515  
Dawe, Piers Agilent

Comment Type E Comment Status D

Off topic: it's not interesting (in this clause) that 100BASE-T used our current PICS notation.

*SuggestedRemedy*

Shorten to '... conforms to the notation and conventions of 21.6.'

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Use text:

Each of the Backplane Ethernet PICS uses the notation and conventions specified in 21.6.

CI 69 SC Figure 69-7 P 59 L 29 # 215  
Grow, Robert Intel

Comment Type E Comment Status D

This regions and port type labels are very difficult to read.

need text

*SuggestedRemedy*

Underlay the lables with white boxes to hide the log graph lines.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC Figure 69-1 P 50 L 28 # 12  
Daines, Kevin

Comment Type ER Comment Status D

Defining ""GMII"" as ""1 Gigabit Media Independent Interface"" is a little awkward though not technically incorrect. I'd prefer dropping the ""1"" so the figure matches the others in the base standard.

*SuggestedRemedy*

See comment

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC Figure 69-2 P 53 L 07 # 211  
Grow, Robert Intel

Comment Type E Comment Status D

The terms <p> nad <n> are undefined.

*SuggestedRemedy*

Define them.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC Table 69-1 P 51 L 39 # 206  
Grow, Robert Intel

Comment Type E Comment Status D

Table line width between clause 51 and 70 looks too broad.

e

*SuggestedRemedy*

Check and correct.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC Table 69-1 P 51 L 46 # 205  
Grow, Robert Intel

Comment Type E Comment Status D

Typo 10GASE-KX.

e

*SuggestedRemedy*

Correct to 10GBASE-KX.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69 SC Table 69-3 P 60 L 12 # 216  
Grow, Robert Intel

Comment Type ER Comment Status X

Another problem with intermingled informative tables, also a problem for Table 69-4.

open

*SuggestedRemedy*

Move to informative annex, get publication editor approval or rewrite.

Proposed Response Response Status O

## IEEE P802.3ap draft 2.0 Comments

CI 69A SC 69A. P 63 L # 438  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status X open  
 Please indicate whether this is Normative or Informative. If this is Normative, there are some missing specifications such as group delay, test interface to be used for conformance test set-up, etc.  
 SuggestedRemedy  
 Please indicate.  
 Proposed Response Response Status O

CI 69A SC 69A. P 63 L 41 # 225  
 Grow, Robert Intel  
 Comment Type ER Comment Status D  
 There are a lot of unexpanded, and undefined acronyms in this Annex, or the expansion/definition of the acronym follows its initial usage in text. The expansions and definitions are also scattered and difficult to find without a PDF search.  
 SuggestedRemedy  
 Add acronyms used outside this Annex to 1.5. Provide concise listing for terms only used within this annex. Provide Annex 69A first usage expansion and definition of:  
 DUT, self-defining if expanded. Consider changing to IUT for consistency with other clauses.  
 mBER, self-defining if expanded.  
 standard BER, improve definition by changing sentence at p. 65 42 to read ""It is recommended that the standard BER be lower than ..."".  
 minISloss, not sufficiently self descriptive.  
 EIT, expand at first usage.

Proposed Response Response Status W  
 PROPOSED ACCEPT.

Propose we include the following table:

acronym	meaning	defined in
NEXT	Near End Cross Talk	
FEXT	Far End Cross Talk	
SI	Self Interference	69A.1b
ISI	InterSymbol Interference	
IL(f)	Channel Insertion loss	69.3.3.3
Amax(f)	Worst case channel attenuation	69.3.3.2 eq 69-6
A(f)	Smoothed fit to IL(f)	69
f1	a lower frequency bound	69.3.3.1 table 69-2
f2	a upper frequency bound	69.3.3.1 table 69-2
ISloss	IL(f2)-IL(f1)	69A.2 *
minISloss	Spec limit to ISloss	table 70-8, 71-8, 72-10 *
BER	Bit Error Ratio	
eBER	extrapolated BER	
mBER	measured BER	69A.5 Paragraph 4
EO	correction to measured IT	69A.5 Paragraph 7
EIT	Extrapolated Interference Tolerance	69A.5 Paragraph 8
EIT baseline	Spec limit for EIT vs frequency	69A.5 eq 69 ??

## IEEE P802.3ap draft 2.0 Comments

EIT base DUT	Parameter used in eq 69 ?? Device Under Test	table 70-8, 71-8, 72-10 *			
<b>CI 69A</b>	<b>SC 69A.1</b>	<b>P 63</b>	<b>L 06</b>	#	221
Grow, Robert	Intel				
<b>Comment Type</b>	<b>E</b>	<b>Comment Status</b>	<b>D</b>		e
Inappropriate tense.					
<b>SuggestedRemedy</b>					
Change ""will be"" to ""is"".					
<b>Proposed Response</b>		<b>Response Status</b>	<b>W</b>		
PROPOSED ACCEPT.					
<b>CI 69A</b>	<b>SC 69A.1</b>	<b>P 63</b>	<b>L 16</b>	#	131
John, D'Ambrosia					
<b>Comment Type</b>	<b>E</b>	<b>Comment Status</b>	<b>D</b>		e
The following text is partially incorrect - ""... just a form of inter-symbol interference (ISI) beyond the time range a reasonable equalizer can handle."" Reflections can occur in the time range of an equalizer that may challenge the ability of an equalizer to compensate.					
<b>SuggestedRemedy</b>					
Change to the following ""... just a form of inter-symbol interference (ISI), beyond which a reasonable equalizer can handle.""					
<b>Proposed Response</b>		<b>Response Status</b>	<b>W</b>		
PROPOSED ACCEPT.					
<b>CI 69A</b>	<b>SC 69A.1</b>	<b>P 63</b>	<b>L 18</b>	#	15
King, Iain					
<b>Comment Type</b>	<b>E</b>	<b>Comment Status</b>	<b>X</b>		open
Talks about 'Foreign Interference'; isn't the usual 802.3 language 'Alien Crosstalk/Interference'? Not a big deal - it's meaning is still clear - just a question of consistency.					
<b>SuggestedRemedy</b>					
<b>Proposed Response</b>		<b>Response Status</b>	<b>O</b>		

<b>CI 69A</b>	<b>SC 69A.1</b>	<b>P 63</b>	<b>L 19</b>	#	412
Barrass, Hugh	Cisco Systems				
<b>Comment Type</b>	<b>E</b>	<b>Comment Status</b>	<b>D</b>		e
The second sentence appears contradictory. If a foreign noise source is using very high speed signaling then the interference could be significant. There seems to be an assumption that BPE will be the highest speed of signaling in the environment. This should be stated more clearly.					
<b>SuggestedRemedy</b>					
Change					
""If the channel of interest is a very high speed channel...""					
to					
""If the foreign interferers use signaling at lower frequencies than Backplane Ethernet...""					
<b>Proposed Response</b>		<b>Response Status</b>	<b>W</b>		
PROPOSED ACCEPT.					
<b>CI 69A</b>	<b>SC 69A.1</b>	<b>P 63</b>	<b>L 21</b>	#	132
John, D'Ambrosia					
<b>Comment Type</b>	<b>E</b>	<b>Comment Status</b>	<b>D</b>		e
""FI is likely to be of secondary importance."" This is a statement regarding impelmentation					
<b>SuggestedRemedy</b>					
Delete verbiage.					
<b>Proposed Response</b>		<b>Response Status</b>	<b>W</b>		
PROPOSED ACCEPT.					
Change text to:					
"If the foreign interferers use signaling at lower frequencies than Backplane Ethernet, then any foreign interference is likely to be at lower frequencies than the FEXT or NEXT would be, and cross talk tends to increase with frequency."					

## IEEE P802.3ap draft 2.0 Comments

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CI 69A	SC 69A.1	P 63	L 35	# 661
David V James		JGG		

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Comment Type	ER	Comment Status	D	caps
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DVJ-50

English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

Data

==&gt;

data

Proposed Response	Response Status	W
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PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

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CI 69A	SC 69A.1	P 63	L 36	# 660
David V James		JGG		

---

Comment Type	ER	Comment Status	D	caps
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DVJ-49

English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

Data

==&gt;

data

Proposed Response	Response Status	W
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PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

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CI 69A	SC 69A.1	P 63	L 39	# 256
Healey, Adam		Agere Systems		

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Comment Type	E	Comment Status	D	e
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Additional annotations to this figure would make several concepts more clear while also creating a better relationship between this figure and supporting text.

1. Draw a box around the Frequency-Dependent Attenuator, Interference Injection Block, and Interference Generator and label this the ""compliance channel"".
2. Label the interface between the compliant transmitter block and the compliance channel as TP1, so the properties of signals output from the compliant transmitter can be specified (tied into a separate comment).
3. In addition, it would be useful to label the interface between the compliant channel and the DUT as TP4, so that signal properties at that point may be defined if necessary. It is also makes clear the relationship between this test and the IEEE P802.3ap reference model.

*SuggestedRemedy*

Per comment.

Proposed Response	Response Status	W
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PROPOSED ACCEPT.

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CI 69A	SC 69A.1	P 63	L 42	# 664
David V James		JGG		

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Comment Type	ER	Comment Status	D	caps
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DVJ-53

Capitalization within figure callouts should be limited to the first word, as per IEEE Style Guide. This rule always applies, regardless of whether the callout is split into multiple lines.

*SuggestedRemedy*

Compliant Transmitter

==&gt;

Compliant transmitter

Proposed Response	Response Status	W
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PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 69A SC 69A.1 P 63 L 43 # 662  
David V James JGG  
Comment Type ER Comment Status D caps  
DVJ-51  
Capitalization within figure callouts should be limited to the first word, as per IEEE Style Guide. This rule always applies, regardless of whether the callout is split into multiple lines.  
SuggestedRemedy  
Interference Injection  
==>  
Interference injection  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
Will consult the publication editor and implement prior to sponsor ballot.

CI 69A SC 69A.1 P 63 L 43 # 663  
David V James JGG  
Comment Type ER Comment Status D caps  
DVJ-52  
Capitalization within figure callouts should be limited to the first word, as per IEEE Style Guide. This rule always applies, regardless of whether the callout is split into multiple lines.  
SuggestedRemedy  
Frequency Attenuator Dependant  
==>  
Frequency attenuator dependant  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
Will consult the publication editor and implement prior to sponsor ballot.

CI 69A SC 69A.1 P 63 L 52 # 665  
David V James JGG  
Comment Type ER Comment Status D caps  
DVJ-54  
Capitalization within figure callouts should be limited to the first word, as per IEEE Style Guide. This rule always applies, regardless of whether the callout is split into multiple lines.  
SuggestedRemedy  
Interference Generator  
==>  
Interference generator  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
Will consult the publication editor and implement prior to sponsor ballot.

CI 69A SC 69A.1 P 64 L 05 # 299  
Abler, Joe IBM  
Comment Type ER Comment Status D  
""The compliant transmitter can be any transmitter which is fully compliant..."" This statement can easily be interpreted to mean that the test must pass with any and all transmitters meeting the spec, which implies the user must make a determination on what the worst case transmitter setup would be. That's not the intent of the test, and in fact it's expected that a vendor would select a best case transmitter setup for the test.  
SuggestedRemedy  
Add additional sentences along the lines of: Only a single compliant transmitter configuration must be tested, demonstration to all possible transmitter configurations defined by the specification is not required. It is expected that vendors will generally select a transmitter performing at the ""upper end"" of the specification range (higher performing) for use in the test.  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

## IEEE P802.3ap draft 2.0 Comments

CI **69A** SC **69A.2** P **64** L **10** # **71**  
Alping, Arne

Comment Type **E** Comment Status **X** open

To be clearer define the Compliance channel in 69A.2 and add an extra subclause that defines the frequency-dependent attenuator

## SuggestedRemedy

- (a) Move line 8 ""The compliance channel consists of ..."" to subclause 69A.2
- (b) Add an extra subclause 69A.2.1 called ""Frequency-dependent attenuator"" after 69A.2, where all text in 69A.2 describing the frequency-dependent attenuator is moved to
- (c) Change name of subclause 69A.3 to 69A.2.2

Proposed Response Response Status **O**

CI **69A** SC **69A.2** P **64** L **13** # **162**  
Spagna, Fulvio INTEL

Comment Type **E** Comment Status **D** e

It is not clear what the second sentence tries to say.

If the intention is to clarify that the compliance interconnect limits have been chosen to reflect the fact that a carefully designed channel will be substantially free of ISI I propose the following rewording: ""The compliance interconnect limits have been chosen to allow a realistic approximation of the loss and ISI which a normal data link will experience under the assumption that careful design of the channel will make it substantially free of SI.""

## SuggestedRemedy

Replace existing wording with proposed text.

Proposed Response Response Status **W**

PROPOSED ACCEPT.

CI **69A** SC **69A.2** P **64** L **16** # **222**  
Grow, Robert Intel

Comment Type **E** Comment Status **D** e

Typo?

## SuggestedRemedy

Change SI to ISI.

Proposed Response Response Status **W**

PROPOSED ACCEPT.

CI **69A** SC **69A.2** P **64** L **17** # **163**  
Spagna, Fulvio INTEL

Comment Type **ER** Comment Status **D**

Change text from:

""The compliance channel is defined with the same Equation (69A-1) for 1000BASE-KX, 10GBASE-KX4, and 10GASE-KR but the range of applicability and the minISloss is defined separately for each case.""

to:

""The compliance channel is defined with the same Equation (69A-1) for three port types but the range of applicability and limits are defined separately for each case (Table 70-8 for 1000 BASE-KX, Table 71-8 for 10GBASE-KX4, Table 72-8 for 10GBASE-KX).""

## SuggestedRemedy

Adopt proposed text.

Proposed Response Response Status **W**

PROPOSED ACCEPT IN PRINCIPLE.

Changed to: "The compliance channel is defined with the same Equation (69A-1) for three port types but the range of applicability and limits are defined separately for each case (Table 70-8 for 1000 BASE-KX, Table 71-8 for 10GBASE-KX4, Table 72-10 for 10GBASE-KR)."

## IEEE P802.3ap draft 2.0 Comments

CI 69A SC 69A.2 P 64 L 17 # 133  
John, D'Ambrosia

Comment Type ER Comment Status D

Equation 69A-1 is the same as 69-6 with same variables.  
Also f1 and f2 are not defined in Annex69A, but is believed to refer back to f1 and f2 discussed in Clause 69. Use of minISloss and ISloss are not adequately defined. Figure 69A-2 does not agree with the statement ""The insertion loss

## SuggestedRemedy

Change lines 17 to 54 sentence -  
The insertion loss should be greater than or equal to Amax(f), the worst-case insertion loss limit, as described by Equation 69-6. The frequency range of interest differs for 1000BASE-KX, 10GBASE-KX4, and 10GBASE-KR, and is bounded by f1 and f2, which is defined in Table 69-2. MinISloss is defined as the difference in magnitude between Amax(f1) and Amax(f2). ISloss is defined as the difference in magnitude of the the compliancy channel at f1 and f2. The ISloss of the compliance channel shall be greater than MinISloss.

It is possible to construct a single compliance channel that will meet the requirements for all three PHY. The insertion loss of the compliance channel above f2 shall be less than Amax(f2). The magnitude response and ISI loss limits are illustrated in Figure 69A-2.

Updated Figure 69A-2 to be provided by D'Ambrosia

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

CI 69A SC 69A.2 P 64 L 18 # 136  
John, D'Ambrosia

Comment Type E Comment Status X open

use of fbaud is not called out in Clauses 70 - 72

## SuggestedRemedy

In table 70-7, 71-7, and 72-7, add "", fbaud"" to ""Signaling Speed"" Parameter

Proposed Response Response Status O

CI 69A SC 69A.2 P 64 L 22 # 296  
Abler, Joe IBM

Comment Type E Comment Status D e

The term ""greater than"" is considering absolute value of loss, which is inconsistent with the usage in section 69.3.3.2

## SuggestedRemedy

Change to ""less than"". Also on line 36.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 69A SC 69A.2 P 64 L 27 # 165  
Spagna, Fulvio INTEL

Comment Type ER Comment Status D

Reference Table 69-2 instead of redefining b1 ... b4.

## SuggestedRemedy

Change text from:

""where:

IL(f) is the insertion loss at frequency f (f in Hz)  
b1 = 2.25E-05  
b2 = 1.20E-10  
b3 = 3.50E-20  
b4 = -1.25E-30""

to:

""where IL(f) is the insertion loss at frequency f (f in Hz) and b1 ... b4 are defined in Table 69-2.""

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 69A SC 69A.2 P 64 L 36 # 134  
John, D'Ambrosia

Comment Type ER Comment Status D  
reference to insertion loss being greater than or less than specification-  
The insertion loss of the compliance channel above f2 should be greater than Amin(f2).

## SuggestedRemedy

Change verbiage to the following -  
The insertion loss of the compliance channel above f2 should be less than Amax(f2).

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 69A SC 69A.2 P 64 L 37 # 116  
Andre, Szczepanek

Comment Type ER Comment Status D  
Amin(f2) is referenced here but is not defined in Clauses 69 or 69a.  
Should this be a reference to ILmin(f2) ?.

Amin(f) also appears in Figure 69A-2.

## SuggestedRemedy

Define Amin(f2), or reference ILmin(f2) if that is what was intended.

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Need text

CI 69A SC 69A.2 P 64 L 39 # 257  
Healey, Adam Agere Systems

Comment Type E Comment Status D e  
""is greater than minISILoss"" would read better as ""should be greater than minISILoss"".

## SuggestedRemedy

Per comment.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 69A SC 69A.2 P 65 L 01 # 166  
Spagna, Fulvio INTEL

Comment Type E Comment Status D need text  
It would be helpful to show minISILoss on this graph.

## SuggestedRemedy

Modify graph to show minISILoss.

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

CI 69A SC 69A.2 P 65 L 13 # 666  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-55  
Capitalization within figure callouts should be limited to the first word, as per IEEE Style Guide. This rule always applies, regardless of whether the callout is split into multiple lines.

## SuggestedRemedy

Insertion Loss  
==>  
Insertion loss

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.



## IEEE P802.3ap draft 2.0 Comments

CI 69A SC 69A.2 P 69 L 22 # 118  
Andre, Szczepanek

Comment Type ER Comment Status X open

The use of Interference Tolerance testing is now mandatory, but the wording in the clause predominantly uses ""should"" and ""can"".

Eg. Line 69: ""The insertion loss should be greater than or equal to the worst-case insertion loss limit...""

So its OK to measure the mandatory interference tolerance test parameters without meeting this then ?

Also on line 5: ""The compliant transmitter can be any transmitter which is fully compliant to the specifications for the respective port type"".

Line 36: ""The insertion loss of the compliance channel above f2 should be greater than ...""

## SuggestedRemedy

""The insertion loss shall be greater than or equal to the worst-case insertion loss limit...""

""The compliant transmitter shall be a transmitter which is fully compliant to the specifications for the respective port type"".

""The insertion loss of the compliance channel above f2 shall be greater than ...""

Check all ""should""s in clause 69A to see if they need to be shalls.

Proposed Response Response Status O

CI 69A SC 69A.3 P 65 L 27 # 324  
Baumer, Howard Broadcom

Comment Type E Comment Status D e

Missing "of"

## SuggestedRemedy

Change "à be a pair directional à" to "à be a pair of directional à"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69A SC 69A.3 P 65 L 27 # 167  
Spagna, Fulvio INTEL

Comment Type ER Comment Status D

Since the requirement for the compliance channel is that  $IL(f) \geq A_{min}(f)$  this does not pose any practical constraint on how small the insertion loss of the Interference Injection Block.

## SuggestedRemedy

Change text from:

""This block may be a pair directional couplers, a pair of pick-off tees, or any other component, as long as it passes data with sufficiently small loss so that the combination of the interference injection block and the frequency-dependent attenuator satisfies the requirements of the compliance channel. It should also be capable of injecting differential interference large enough to cause a BER of at least  $10E-4$ .""

to:

""This block may be a pair directional couplers, a pair of pick-off tees, or any other component, as long as it allows injecting differential interference large enough to cause a BER of at least  $10E-4$ .""

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

CI 69A SC 69A.3 P 66 L 06 # 168  
Spagna, Fulvio INTEL

Comment Type E Comment Status D e

Reword sentence.

## SuggestedRemedy

Change text from:

""With the interference generator amplitude still zero or very low, establish that the BER measured by either the BERT or the DUT BIST (mBER) is very low. ""

to:

""With the interference generator amplitude still zero or very low, establish that the measured BER, mBER, as reported by the BERT or the DUT BIST is very low. ""

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 69A SC 69A.3 P 67 L 21 # 227  
Grow, Robert Intel

Comment Type E Comment Status D

Not sure if we got peak-to-peak units accepted in the Sponsor balloting of REVam.

## SuggestedRemedy

Check if mVp-p is in REVam and change if inconsistent.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69A SC 69A.5 P 65 L 42 # 327  
Baumer, Howard Broadcom

Comment Type E Comment Status X open

Inconsistent wording: using "error rates" for "standard BER"

## SuggestedRemedy

Replace "error rates" with "standard BER"

Proposed Response Response Status O

CI 69A SC 69A.5 P 66 L 01 # 328  
Baumer, Howard Broadcom

Comment Type E Comment Status D e

Un-needed and confusing wording

## SuggestedRemedy

Replace "So the compliant transmitter accepts data" with "data accepted"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69A SC 69A.5 P 66 L 04 # 329  
Baumer, Howard Broadcom

Comment Type E Comment Status D e

Missing "or"

## SuggestedRemedy

Add the line "or" above line 4, option b).

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69A SC 69A.5 P 66 L 04 # 330  
Baumer, Howard Broadcom

Comment Type E Comment Status D e

Un-needed and confusing wording

## SuggestedRemedy

Change "So the Compliant Transmitter transmits a ..." to "A .."

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69A SC 69A.5 P 66 L 16 # 226  
Grow, Robert Intel

Comment Type E Comment Status D e

Unnecessary abbreviation.

## SuggestedRemedy

Change p-p to peak-to-peak here and in following line.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 69A SC 69A.5 P 66 L 21 # 81  
Altmann, Michael Intel

Comment Type ER Comment Status D

The formula for plotting is  $\sqrt{\log(mBER)}$ . For normal operational BE rates, this yields an imaginary number

## SuggestedRemedy

SuggestedRemedy: Change formula to  $\log(mBER)$

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

CI 69A SC 69A.5 P 66 L 23 # 228  
Grow, Robert Intel

Comment Type E Comment Status D e

Typo

## SuggestedRemedy

Change ""data data"" to ""data"".

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 69A SC 69A.5 P 66 L 23 # 232  
 Dudek, Mike Picolight  
 Comment Type E Comment Status D e  
 duplicate word ""data""  
 SuggestedRemedy  
 Remove one data.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 69A SC 69A.5 P 66 L 28 # 337  
 Baumer, Howard Broadcom  
 Comment Type E Comment Status D  
 Missing "the"  
 SuggestedRemedy  
 Change "At each frequency extrapolated à" to "At each frequency the extrapolated à"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 69A SC 69A.5 P 66 L 28 # 336  
 Baumer, Howard Broadcom  
 Comment Type E Comment Status D  
 Missing "an"  
 SuggestedRemedy  
 Change "à give mBER = standard BER." to "à give an mBER = the standard BER."  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 69A SC 69A.5 P 66 L 29 # 338  
 Baumer, Howard Broadcom  
 Comment Type E Comment Status D  
 Wrong tense  
 SuggestedRemedy  
 Change "give" to "gave"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 69A SC 69A.5 P 66 L 34 # 229  
 Grow, Robert Intel  
 Comment Type E Comment Status D  
 These should be formatted as equations.  
 SuggestedRemedy  
 Per comment.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 69A SC 69A.5 P 66 L 34 # 340  
 Baumer, Howard Broadcom  
 Comment Type E Comment Status D  
 Improper IEEE formatting  
 SuggestedRemedy  
 Label the equations on line 34 and 36 with the standard IEEE equation format  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 69A SC 69A.5 P 66 L 34 # 339  
 Baumer, Howard Broadcom  
 Comment Type E Comment Status D  
 Overlapping frequency ranges  
 SuggestedRemedy  
 Change " $f_1 \leq f < f_{\text{baud}}$ " to " $f_1 \leq f < 0.6 f_{\text{baud}}$ "  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

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CI **69A** SC **69A.5** P **66** L **34** # **108**  
Liu, Cathy

Comment Type **E** Comment Status **D**  
Should ""EIT Baseline EITbase, for f1 = .f<fbaud"" be ""EIT Baseline EITbase, for f1 = .f<0.6\*fbaud""?

SuggestedRemedy

Proposed Response Response Status **W**  
PROPOSED ACCEPT.

See 339

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CI **69A** SC **69A.5** P **66** L **36** # **230**  
Grow, Robert Intel

Comment Type **E** Comment Status **D**  
Inconsistent capitalization

SuggestedRemedy

Be consistent EIT Baseline or EIT baseline.

Proposed Response Response Status **W**  
PROPOSED ACCEPT.

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CI **69A** SC **69A.5** P **67** L **08** # **667**  
David V James JGG

Comment Type **ER** Comment Status **D** caps  
DVJ-56  
Capitalization within figure callouts should be limited to the first word, as per IEEE Style Guide. This rule always applies, regardless of whether the callout is split into multiple lines.

SuggestedRemedy

Extrapolation Offset  
==>  
Extrapolation offset

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

Will consult the publication editor and implement prior to sponsor ballot.

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CI **69A** SC **69A.5** P **67** L **43** # **668**  
David V James JGG

Comment Type **ER** Comment Status **D** caps  
DVJ-57  
Capitalization within figure callouts should be limited to the first word, as per IEEE Style Guide. This rule always applies, regardless of whether the callout is split into multiple lines.

SuggestedRemedy

Interference Amplitude  
==>  
Interference amplitude

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

Will consult the publication editor and implement prior to sponsor ballot.

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CI **69A** SC **69A.5** P **67** L **51** # **669**  
David V James JGG

Comment Type **ER** Comment Status **D** caps  
DVJ-58  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

Extrapolated Interference Tolerance  
==>  
Extrapolated interference tolerance

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

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 69A SC 69A.5 P 69 L 02 # 670  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-59  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

Physical Medium Dependent Sublayer and Baseband Medium,  
==>  
Physical medium dependent sublayer and baseband medium,

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 69A SC Figure 69A-2 P 65 L 15 # 223  
Grow, Robert Intel

Comment Type E Comment Status D need text

Busy and difficult to understand chart. It isn't clear from the figure or did I find it clear in the text where the acceptance region is. Is it bounded by the box (1L(f2), f1, f2), the Amin line, or the plotted line?

## SuggestedRemedy

Clarify at a minimum with text or better by perhaps shading the acceptance region. Label the measurment line.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

CI 69A SC Figure 69A-2 P 65 L 22 # 224  
Grow, Robert Intel

Comment Type ER Comment Status D e

It should be clearer what is example content in the figures. I find similar ambiguity in Figures 69A-3 and 69A-4.

## SuggestedRemedy

Add example to the Figure title and/or label the plot lines that are examples of a test measurement as as being such.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 70 SC 70.1 P 69 L 07 # 32  
Marris, Arthur

Comment Type E Comment Status D

Grammar, replace ""PMA, PMD is"" with ""PMA and PMD are"", also consider deleting "",or equivalent"".

## SuggestedRemedy

Change ""In order to form a complete PHY (physical layer device), a PCS, PMA, PMD is combined with the management functions which are optionally accessible through the management interface defined in Clause 45, or equivalent."" to ""In order to form a complete PHY (physical layer device), a PCS, PMA and PMD are combined with the management functions which are optionally accessible through the management interface defined in Clause 45.""

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 70 SC 70.2 P 69 L 26 # 671  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-60  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

Physical Medium Dependent (PMD) Service Interface  
==>  
Physical medium dependent (PMD) service interface

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.2 P 69 L 27 # 545  
Grow, Robert Intel

Comment Type E Comment Status D

Delete the summary of the service interface.

## SuggestedRemedy

Per comment, also need to update p. 70 l. 27. Make corresponding changes in Clauses 71 and 72.

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 70 SC 70.3 P 69 L 36 # 672  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-61

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

Delay Constraints

==>

Delay constraints

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.4 P 69 L 49 # 546  
Grow, Robert Intel

Comment Type E Comment Status D

Grammar.

SuggestedRemedy

If the MDIO is implemented...

Make corresponding changes in Clauses 71 and 72.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 70 SC 70.5 P 70 L 25 # 673  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-62

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

PMD Functional Specifications

==>

PMD functional specifications

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.5 P 70 L 27 # 547  
Grow, Robert Intel

Comment Type E Comment Status D

The service interface definitions aren't in 70.2, at most, only a summary.

SuggestedRemedy

The 1000BASE-KX PMD performs three functions, Transmit, Receive, and Signal Detect in support of the matching service interface primitives of 38.1.1.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 70 SC 70.5 P 70 L 54 # 674  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-63

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

Link Block Diagram

==>

Link block diagram

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.5.1 P 70 L 40 # 233  
Dudek, Mike Picolight

Comment Type E Comment Status X open

TP1 and TP4 position isn't specified exactly. This also applies to 71.5.1 and 72.5.1

SuggestedRemedy

Add an extra paragraph. TP1 and TP4 are after a separable connector (ie the Tx includes the effect of this separable connector, whereas the receiver does not).

Proposed Response Response Status O

## IEEE P802.3ap draft 2.0 Comments

CI 70 SC 70.5.1 P 70 L 40 # 72  
Alping, Arne

Comment Type E Comment Status D e  
Figure 70-1 looks fuzzy, probably due to jpg coded picture; change to gif format

## SuggestedRemedy

Use gif format for Figure 70-1

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

The fig has been redrawn in Frame.

CI 70 SC 70.5.1 P 70 L 41 # 524  
Dawe, Piers Agilent

Comment Type E Comment Status D e  
Something wrong with figure 70-1: poor quality, can't select text. Seems to be a kind of  
bitmap not a vector/text figure.

## SuggestedRemedy

Translate the figure a different way or start again from figure 69-2. Similarly in clauses 71,  
72.

Proposed Response Response Status W  
PROPOSED ACCEPT.

Figures have been redrawn in Frame.

CI 70 SC 70.5.2 P 71 L 04 # 548  
Grow, Robert Intel

Comment Type E Comment Status D  
Grammar

## SuggestedRemedy

""according to the electrical specifications"", or as it is in Clause 72 according to the  
specifications""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 70 SC 70.5.4 P 71 L 23 # 549  
Grow, Robert Intel

Comment Type E Comment Status D  
Appears to be a white line on DETECT.

## SuggestedRemedy

Check FrameMaker source to verify if this is a pdf problem or something in the source.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 70 SC 70.5.4 P 71 L 24 # 141  
John, D'Ambrosia

Comment Type ER Comment Status D e  
use of 1000BASE-X

## SuggestedRemedy

replace with 1000BASE-KX

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 70 SC 70.5.4 P 71 L 32 # 170  
Spagna, Fulvio INTEL

Comment Type ER Comment Status D

Text (line 24, page 71) indicates that ""The PMD receiver is not required to verify whether a  
compliant 1000BASE-X signal is being received."" Table 70-4 indicates that this is a  
requirement. Also, Table 70-4 references a parameter, Minimum Differential sensitivity  
which is nowhere defined.

## SuggestedRemedy

Remove ""AND compliant 1000BASE-X input signal"" from the first row in Table 70-4.

Add ""Minimum Differential Sensitivity"" parameter to Table 70-7

- OR -

Replace ""Minimum Differential Sensitivity"" in Table 70-4 with a hard limit.

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

## IEEE P802.3ap draft 2.0 Comments

CI 70 SC 70.5.5 P71 L 46 # 675  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-64

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

PMD Transmit Disable Function

==>

PMD transmit disable function

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.5.6 P72 L 02 # 676  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-65

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

Loopback Mode

==>

Loopback mode

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.6 P72 L 37 # 677  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-66

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

1000BASE-KX Electrical Characteristics

==>

1000BASE-KX electrical characteristics

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.6 P75 L 52 # 20  
Abbott, John

Comment Type E Comment Status X open

In 70.6.1.6 lines 52-53 there is a reference to output impedance and reference impedance. Can a reference to where these are defined in the standard be included here?

SuggestedRemedy

Either define output impedance and reference impedance or give a reference to where they are defined.

Proposed Response Response Status O

CI 70 SC 70.6.1 P72 L 39 # 678  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-67

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

Transmitter Characteristics

==>

Transmitter characteristics

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.



## IEEE P802.3ap draft 2.0 Comments

CI 70 SC 70.6.1 P73 L 18 # 173  
Spagna, Fulvio INTEL

Comment Type ER Comment Status D

For consistency with KX4 and KR, add RJ entry to Output Jitter specification.

*SuggestedRemedy*

Add new entry in Output Jitter Box:

Random Jitter 0.15 Ulpp

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

CI 70 SC 70.6.1.1 P74 L 07 # 683  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-72  
English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

Fixture  
==>  
fixture

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.6.1.1 P74 L 14 # 684  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-73  
English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

Under Test  
==>  
under test

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.6.1.1 P74 L 18 # 681  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-70  
English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

Oscilloscope  
==>  
oscilloscope

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.6.1.1 P74 L 19 # 682  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-71  
English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

Processing  
==>  
processing

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 70 SC 70.6.1.1 P74 L 20 # 680  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-69  
English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

Data Acquisition Module  
==>  
data acquisition module

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.6.1.1 P74 L 32 # 679  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-68  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

Transmit Test Fixture for 1000BASE-KX  
==>  
Transmit test fixture for 1000BASE-KX

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.6.1.4 P75 L 46 # 551  
Grow, Robert Intel

Comment Type E Comment Status D

Blue font on some cross references but not all. (Also p.71, l.38; p.75, l.31; p.76, l.39 and 41; p.77, l. 29; p.82, l.34; p.83, 10; p.85, l.43; p.91, l.42; p.93, l.25; p.95, l.5, 7, 20, 22; p.96, l.5; p. 102, l.23; p.103, l.10; p.105, l.32; etc.)

*SuggestedRemedy*

Some definition problem for internal versus external references or is this individual font characteristics?

Proposed Response Response Status W

PROPOSED ACCEPT.

All references outside this document should be blue.

CI 70 SC 70.6.1.5 P75 L 35 # 552  
Grow, Robert Intel

Comment Type E Comment Status D

Vcom should be com in subscript.

*SuggestedRemedy*

Fix here and in Figure 70-2, as well as similar occurrences in Clauses 71 and 72 (a search will turn all six occurrences).

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 70 SC 70.6.1.7 P76 L 37 # 685  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-74  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

Transition Time  
==>  
Transition time

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 70 SC 70.6.1.8 P 76 L 46 # 73  
Alping, Arne

Comment Type E Comment Status D  
Too many periods

## SuggestedRemedy

Remove one of the periods after "... 0.10 UI peak-to-peak... .."

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 70 SC 70.6.2.1 P 77 L 42 # 143  
John, D'Ambrosia

Comment Type ER Comment Status D  
In Table 70-8, minISloss is based on the values of Amax(f) at f1, f2

values for f1 and f2 do not reflect values listed in Table 69-2. It is believed that it is the intent for the values listed in Table 70-8 to match Table 69-2.

## SuggestedRemedy

In Table 70-8  
replace reference to note 1 with value for minISloss 6.3463 dB  
delete note 1  
Change f1 to 0.125 GBz  
change f2 to 1.250 GHz

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

CI 70 SC 70.7 P 78 L 34 # 723  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-76  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

Interconnect Characteristics  
==>  
Interconnect characteristics

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.8 P 78 L 39 # 686  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-75  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

Environmental Specifications  
==>  
Environmental specifications

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.8.5 P 79 L 15 # 724  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-77  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

Protocol Implementation Conformance Statement  
==>  
Protocol implementation conformance statement

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 70 SC 70.9 P 79 L 14 # 589  
Booth, Brad Intel

Comment Type E Comment Status D e  
PICS should start at the top of a new page.

## SuggestedRemedy

As per comment.

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 70 SC 70.9.1 P 79 L 23 # 142  
John, D'Ambrosia

Comment Type ER Comment Status D e  
use of 10GBASE-KX4

SuggestedRemedy  
replace with 1000BASE-KX

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 70 SC Figure 70-1 P 70 L 40 # 553  
Grow, Robert Intel

Comment Type E Comment Status D e  
Something doesn't render right with this figure that is also repeated in Clauses 71 and 72.

SuggestedRemedy  
If scanned, redraw in FrameMaker, else figure out why it is tinted with red and fuzzy. Fix in all three clauses.

Proposed Response Response Status W  
PROPOSED ACCEPT.  
Done

CI 70 SC Figure 70-1 P 70 L 51 # 563  
Grow, Robert Intel

Comment Type ER Comment Status D  
What is labled as the backplane is more than the backplane.

SuggestedRemedy  
Either change to Backplane Channel as in Figure 69-2, or add additional arrows to define what is backplane and what is blade. Make corresponding changes in Clauses 71 and 72.

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

CI 70 SC Figure 70-2 P 74 L 25 # 550  
Grow, Robert Intel

Comment Type E Comment Status X open  
The outer partial box and ""Test Fixture"" label doesn't seem to add anything to the figure, nor does the ""or Equivalent"" and associated arrows.

SuggestedRemedy  
Remove. Make consistent changes in Figures 72-6 and 71-2.

Proposed Response Response Status O

CI 71 SC 71. P 85 L 02 # 725  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-78  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy  
Physical Medium Dependent Sublayer and Baseband Medium,  
==>  
Physical medium dependent sublayer and baseband medium,

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 71 SC 71.2 P 85 L 33 # 726  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-79  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy  
Physical Medium Dependent (PMD) Service Interface  
==>  
Physical medium dependent (PMD) service interface

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 71 SC 71.3 P 85 L 42 # 727  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-80

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

Delay Constraints

==>

Delay constraints

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 71 SC 71.3 P 85 L 50 # 22  
Muller, Shimon Muller Sun Microsystems, Inc

Comment Type E Comment Status D

See below

SuggestedRemedy

Replace "pause\_quantum" with "pause\_quanta".

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 71 SC 71.5 P 86 L 36 # 728  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-81

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

PMD Functional Specifications

==>

PMD functional specifications

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 71 SC 71.5.1 P 86 L 42 # 729  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-82

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

Link Block Diagram

==>

Link block diagram

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 71 SC 71.5.1 P 87 L 01 # 74  
Alping, Arne

Comment Type E Comment Status D e

Figure 71-1 looks fuzzy, probably due to use of jpg format rather than gif

SuggestedRemedy

Use gif format for Figure 71-1

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

The fig has been redrawn in Frame.

CI 71 SC 71.5.1 P 87 L 17 # 733  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-86

English words should not be capitalized simply because their meaning is different from normal English usage.

SuggestedRemedy

Block Diagram

==>

block diagram

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 71 SC 71.5.2 P 87 L 19 # 730  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-83

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

PMD Transmit Function

==>

PMD transmit function

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 71 SC 71.5.2 P 87 L 28 # 564  
Grow, Robert Intel

Comment Type ER Comment Status D e

Not really an equation so it shouldn't use =.

*SuggestedRemedy*

Change to read: where SL0<p>/<n> corresponds to tx\_bit<0>, SL1<p>/<n> to tx\_bit<1>, SL2<p>/<n> to tx\_bit<2>, and SL3<p>/<n> = tx\_bit<3>.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 71 SC 71.5.3 P 87 L 31 # 731  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-84

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

PMD Receive Function

==>

PMD receive function

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 71 SC 71.5.4 P 87 L 43 # 732  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-85

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

Global PMD Signal Detect Function

==>

Global PMD signal detect function

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 71 SC 71.5.4 P 87 L 45 # 565  
Grow, Robert Intel

Comment Type ER Comment Status D e

Case error.

*SuggestedRemedy*

Change PMD\_signal.indicate to PMD\_SIGNAL.indication.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 71 SC 71.5.4 P 87 L 52 # 566  
Grow, Robert Intel

Comment Type ER Comment Status D e

Redundancy or bad placement of parenthetical.

*SuggestedRemedy*

... in any 20 UI window. Same change next page line 2.

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 71 SC 71.6.1 P 90 L 08 # 542  
Dawe, Piers Agilent

Comment Type E Comment Status D

This table shows up in the pdf bookmarks as if it were a subclause heading

SuggestedRemedy

fix

Proposed Response Response Status W

PROPOSED REJECT.

I have added all figures and tables to show as 4th level indents in the PDF

CI 71 SC 71.6.1 P 90 L 14 # 75  
Alping, Arne

Comment Type E Comment Status D

To be compliant with Table 70-5 I sggest including foot note: ""See Figure 71-3 for an illustration of the definition of differential peak-to-peak output voltage""

SuggestedRemedy

Include foot note: ""See Figure 71-3 for an illustration of the definition of differential peak-to-peak output voltage""

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 71 SC 71.6.1 P 90 L 24 # 77  
Alping, Arne

Comment Type E Comment Status D

The unit for jitter parameters should be Ulp-p (not just UI)

SuggestedRemedy

Change unit for jitter parameters to Ulp-p

Proposed Response Response Status W

PROPOSED REJECT.

Peak to peak is mentioned in the Parameter column.

CI 71 SC 71.6.1 P 90 L 26 # 76  
Alping, Arne

Comment Type E Comment Status X open

To be compliant with Table 70-5 I suggest including foot note for Total jitter in Table 71-5:  
""At BER 10-12""

SuggestedRemedy

Include foot note for Total jitter in Table 71-5: ""At BER 10-12""

Proposed Response Response Status O

CI 71 SC 71.6.1.1 P 90 L 08 # 543  
Dawe, Piers Agilent

Comment Type E Comment Status D

Too many capitals in figure 71-2. Can use proper omega symbol.

SuggestedRemedy

per comment

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 71 SC 71.6.1.1 P 91 L 07 # 738  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-91

English words should not be capitalized simply because their meaning is different from normal English usage.

SuggestedRemedy

Fixture

==>

fixture

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 71 SC 71.6.1.1 P91 L 14 # 737  
David V James JGG  
Comment Type ER Comment Status D caps  
DVJ-90  
English words should not be capitalized simply because their meaning is different from normal English usage.  
SuggestedRemedy  
Under Test  
==>  
under test  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
Will consult the publication editor and implement prior to sponsor ballot.

CI 71 SC 71.6.1.1 P91 L 17 # 735  
David V James JGG  
Comment Type ER Comment Status D caps  
DVJ-88  
English words should not be capitalized simply because their meaning is different from normal English usage.  
SuggestedRemedy  
Oscilloscope  
==>  
oscilloscope  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
Will consult the publication editor and implement prior to sponsor ballot.

CI 71 SC 71.6.1.1 P91 L 19 # 736  
David V James JGG  
Comment Type ER Comment Status D caps  
DVJ-89  
English words should not be capitalized simply because their meaning is different from normal English usage.  
SuggestedRemedy  
Processing  
==>  
processing  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
Will consult the publication editor and implement prior to sponsor ballot.

CI 71 SC 71.6.1.1 P91 L 20 # 734  
David V James JGG  
Comment Type ER Comment Status D caps  
DVJ-87  
English words should not be capitalized simply because their meaning is different from normal English usage.  
SuggestedRemedy  
or Data Acquisition Module  
==>  
or data acquisition module  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
Will consult the publication editor and implement prior to sponsor ballot.

CI 71 SC 71.6.1.3 P91 L 37 # 554  
Grow, Robert Intel  
Comment Type E Comment Status D  
Bad symbology.  
SuggestedRemedy  
Replace +- with the symbol font single character +/- also replace +/- on p. 96, l. 25.  
Proposed Response Response Status W  
PROPOSED ACCEPT.



## IEEE P802.3ap draft 2.0 Comments

CI 71 SC 71.6.1.3 P91 L 38 # 78  
Alping, Arne

Comment Type E Comment Status D  
Change +- to the (+-) sign

SuggestedRemedy  
Change +- to the (+-) sign

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 71 SC 71.6.1.6 P94 L 35 # 740  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-93  
English words should not be capitalized simply because their meaning is different from normal English usage.

SuggestedRemedy  
Limit  
==>  
limit

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 71 SC 71.6.1.6 P94 L 35 # 739  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-92  
English words should not be capitalized simply because their meaning is different from normal English usage.

SuggestedRemedy  
Limit  
==>  
limit

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 71 SC 71.6.1.9 P95 L 19 # 235  
Dudek, Mike Picolight

Comment Type E Comment Status D  
Incorrect reference.

SuggestedRemedy  
Change Figure 71-4 to Figure 71-5

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 71 SC 71.6.2.1 P96 L 08 # 144  
John, D'Ambrosia

Comment Type ER Comment Status D  
In Table 71-8, miniSIloss is based on the values of Amax(f) at f1, f2

value for f1 does not reflect value listed in Table 69-2. It is believed that it is the intent for the values listed in Table 71-8 to match Table 69-2.

SuggestedRemedy  
In Table 71-8  
replace reference to note 1 with value for miniSIloss 13.0132 dB  
delete note 1  
Change f1 to 0.312 GBz

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

CI 71 SC 71.8.5 P97 L 43 # 741  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-94  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy  
Protocol Implementation Conformance Statement  
==>  
Protocol implementation conformance statement

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 71 SC 71.9 P 97 L 42 # 590  
Booth, Brad Intel

Comment Type E Comment Status D e  
PICS should start at the top of a new page.

SuggestedRemedy  
As per comment.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72. P 105 L 02 # 742  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-95  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy  
Physical Medium Dependent Sublayer and Baseband Medium,  
==>  
Physical medium dependent sublayer and baseband medium,

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.10.2.3.3 P 111 L 11 # 34  
Marris, Arthur

Comment Type E Comment Status D  
Change ""An new"" to ""A new"".

SuggestedRemedy  
Change ""An new"" to ""A new"".

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72.2 P 105 L 31 # 743  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-96  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy  
Physical Medium Dependent (PMD) Service Interface  
==>  
Physical medium dependent (PMD) service interface

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.3 P 105 L 41 # 744  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-97  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy  
Delay Constraints  
==>  
Delay constraints

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.3 P 105 L 49 # 23  
Muller, Shimon Muller Sun Microsystems, Inc

Comment Type E Comment Status D  
See below

SuggestedRemedy  
Replace "pause\_quantum" with "pause\_quanta".

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 72 SC 72.5 P 106 L 33 # 745  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-98

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

PMD Functional Specifications

==>

PMD functional specifications

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.1 P 106 L 35 # 746  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-99

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

Link Block Diagram

==>

Link block diagram

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.1 P 107 L 01 # 79  
Alping, Arne

Comment Type E Comment Status D e

Figure 72-1 looks fuzzy, probably due to the use of jpg formatted picture rather than gif

*SuggestedRemedy*

Use gif format for Figure 72-1

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

The fig has been redrawn in Frame.

CI 72 SC 72.5.10 P 108 L 48 # 754  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-107

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

PMD Control Function

==>

PMD control function

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.10.2 P 109 L 07 # 755  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-108

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

Training Frame Structure

==>

Training frame structure

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.10.2 P 109 L 11 # 33  
Marris, Arthur

Comment Type E Comment Status D

Missing word ""is"".

*SuggestedRemedy*

Change ""channel signaled"" to ""channel is signaled"".

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 72 SC 72.5.10.2 P 109 L 11 # 113  
Andre, Szczepanek

Comment Type E Comment Status D

Typo:  
""The control channel signaled using ...""

## SuggestedRemedy

change to :  
""The control channel is signaled using ...""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72.5.10.2 P 109 L 25 # 759  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-112  
English words should not be capitalized simply because their meaning is different from normal English usage.

## SuggestedRemedy

Marker  
==>  
marker

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.10.2 P 109 L 28 # 758  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-111  
English words should not be capitalized simply because their meaning is different from normal English usage.

## SuggestedRemedy

Control Channel  
==>  
control channel

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.10.2 P 109 L 31 # 760  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-113  
English words should not be capitalized simply because their meaning is different from normal English usage.

## SuggestedRemedy

Pattern  
==>  
pattern

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.10.2 P 109 L 35 # 756  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-109  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

Training Frame Structure  
==>  
Training frame structure

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.10.2.1 P 109 L 37 # 363  
Baumer, Howard Broadcom

Comment Type E Comment Status D  
The text through out clause 72 uses the term "Frame Marker" whereas the label for this section is "Frame Delimiter"

## SuggestedRemedy

Change section label to "Frame Marker"

Proposed Response Response Status W  
PROPOSED ACCEPT.

# IEEE P802.3ap draft 2.0 Comments

CI 72 SC 72.5.10.2.1 P 109 L 38 # 757  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-110  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

Frame Delimiter  
==>  
Frame delimiter

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.10.2.3 P 110 L 11 # 600  
Booth, Brad Intel

Comment Type ER Comment Status D

Using the same tables (72-4 and 72-5) that are in Clause 45 is a way to create errors and discrepancies.

## SuggestedRemedy

Eliminate the tables in Clause 72 and reference the Clause 45 tables.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 72 SC 72.5.10.2.3.2 P 110 L 52 # 556  
Grow, Robert Intel

Comment Type E Comment Status D

If I understand this right, ""k"" is a variable.

## SuggestedRemedy

Put k in italics in all usages.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 72 SC 72.5.10.2.3.3 P 110 L 52 # 557  
Grow, Robert Intel

Comment Type E Comment Status D

Grammar.

## SuggestedRemedy

A new increment ...

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 72 SC 72.5.10.2.3.3 P 111 L 11 # 234  
Dudek, Mike Picolight

Comment Type E Comment Status D

typo

## SuggestedRemedy

Change An to A

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 72 SC 72.5.10.2.6 P 113 L 02 # 687  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-114  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

Training Pattern  
==>  
Training pattern

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 72 SC 72.5.10.2.6 P 113 L 09 # 688  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-115  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

Training Pattern  
==>  
Training pattern

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.10.3 P 113 L 28 # 689  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-116  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

State Variables  
==>  
State variables

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.10.3.2 P 114 L 12 # 567  
Grow, Robert Intel

Comment Type ER Comment Status D

Why the inconsistency in defining some variables are Booleans and others not doing so?

## SuggestedRemedy

Be consistent. I believe the convention for booleans is to define specifically the TRUE and FALSE values.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

CI 72 SC 72.5.10.3.2 P 114 L 24 # 367  
Baumer, Howard Broadcom

Comment Type E Comment Status D

Circular reference, see 72.5.10.3.2 is a reference to its own subclause

## SuggestedRemedy

remove reference

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 72 SC 72.5.10.4 P 115 L 42 # 690  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-117  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

State Diagrams  
==>  
State diagrams

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.10.4.1 P 115 L 44 # 691  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-118  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

Frame Lock  
==>  
Frame lock

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 72 SC 72.5.10.4.1 P 116 L 22 # 24  
Muller, Shimon Muller Sun Microsystems, Inc

Comment Type ER Comment Status D e  
See below

*SuggestedRemedy*

Replace "good\_markers <= 0" with "bad\_markers <= 0".

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72.5.10.4.2 P 117 L 05 # 25  
Muller, Shimon Muller Sun Microsystems, Inc

Comment Type E Comment Status D  
See below

*SuggestedRemedy*

Replace "mr\_reset\_training" with "mr\_restart\_training".

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72.5.10.4.3 P 118 L # 82  
Altmann, Michael Intel

Comment Type ER Comment Status D

State machine for tap update only flags max/amd min tap values for status warnings. Many other combinations could be faulty, including combinations of tap values that a priori close the Tx data eye (1-0-1), or all-zero values. There should be additional status warnings for other combinations.

*SuggestedRemedy*

Add (at least one more) status value for illegal tap value combinations.

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

CI 72 SC 72.5.2 P 107 L 18 # 747  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-100

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

PMD Transmit Function

==>

PMD transmit function

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.3 P 107 L 24 # 748  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-101

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

PMD Receive Function

==>

PMD receive function

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 72 SC 72.5.4 P 107 L 30 # 749  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-102

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

PMD Signal Detect Function

==>

PMD signal detect function

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.4 P 107 L 37 # 297  
Abler, Joe IBM

Comment Type E Comment Status D

diagram in 72-4

SuggestedRemedy

call out Figure 72-4

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 72 SC 72.5.5 P 107 L 45 # 750  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-103

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

PMD Transmit Disable Function

==>

PMD transmit disable function

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.5 P 107 L 50 # 616  
Ganga, Ilango Intel

Comment Type E Comment Status D

Change line ""turn off the transmitter such it drives a constant level"" to read as ""turn off the transmitter such that it drives a constant level""

SuggestedRemedy

Change line 50 to read as ""turn off the transmitter such that it drives a constant level""

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 72 SC 72.5.6 P 108 L 05 # 751  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-104

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

Loopback Mode

==>

Loopback mode

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.5.8 P 108 L 29 # 752  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-105

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

SuggestedRemedy

PMD Transmit Fault Function

==>

PMD transmit fault function

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.



## IEEE P802.3ap draft 2.0 Comments

CI 72 SC 72.5.9 P 108 L 40 # 753  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-106

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

PMD Receive Fault Function

==>

PMD receive fault function

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.6 P 118 L 27 # 692  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-119

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

10GBASE-KR Electrical Characteristics

==>

10GBASE-KR electrical characteristics

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.6 P 119 L 38 # 19  
Abbott, John

Comment Type E Comment Status D

In 72.6.1.2 p. 119 lines 37-39, equations 72-1 and 72-2, the notation should be consistent. 72-1 has a ""dB"" in the equation, while 72-2 does not. See the notation for equations 70-1 and 70-2.

*SuggestedRemedy*

Make notation in equations like 70-1, 70-2, 72-1, 72-2, etc. as consistent as possible for clarity.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 72 SC 72.6.1 P 118 L 29 # 693  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-120

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

Transmitter Characteristics

==>

Transmitter characteristics

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.6.1 P 118 L 39 # 80  
Alping, Arne

Comment Type E Comment Status D

To be compliant with Table 70-5 a footnote referring to Figure 72-2 should be included

*SuggestedRemedy*

Include foot note: ""See Figure 72-7 for an illustration of the definition of differential peak-to-peak output voltage""

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 72 SC 72.6.1 P 118 L 48 # 64  
Alping, Arne

Comment Type ER Comment Status D  
The unit for jitter is Ulp-p (not just UI)

*SuggestedRemedy*

Use the unit Ulp-p for the jitter parameters

Proposed Response Response Status W  
PROPOSED REJECT.

Peak to peak is speled out in the first line

CI 72 SC 72.6.1 P 118 L 50 # 63  
Alping, Arne

Comment Type E Comment Status X open  
Include foot note for total jitter on BER

*SuggestedRemedy*

Include foot note: ""At BER 10-12""

Proposed Response Response Status O

CI 72 SC 72.6.1.1 P 119 L 15 # 695  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-122  
Capitalization within figure callouts should be limited to the first word, as per IEEE Style Guide. This rule always applies, regardless of whether the callout is split into multiple lines.

*SuggestedRemedy*

Transmitter Under Test

==>

Transmitter under test

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.6.1.1 P 119 L 18 # 697  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-124

English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

Oscilloscope

==>

oscilloscope

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.6.1.1 P 119 L 19 # 696  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-123

English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

Processing

==>

processing

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

CI 72 SC 72.6.1.1 P 119 L 20 # 698  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-125

English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

Data Acquisition Module

==>

data acquisition module

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.6.1.1 P 119 L 26 # 699  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-126

English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*

or Equivalent

==>

or equivalent

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.6.1.1 P 119 L 29 # 694  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-121

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

Transmit Test Fixture for 10GBASE-KR

==>

Transmit test fixture for 10GBASE-KR

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.6.1.10 P 122 L 17 # 700  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-127

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

Transmitter Output Waveform

==>

Transmitter output waveform

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

## IEEE P802.3ap draft 2.0 Comments

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**CI 72**      **SC 72.6.1.10**      **P 122**      **L 29**      # **703**  
David V James      JGG

**Comment Type**    **ER**      **Comment Status**    **D**      caps

DVJ-130  
English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*  
Delay  
==>  
delay

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

Will consult the publication editor and implement prior to sponsor ballot.

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**CI 72**      **SC 72.6.1.10**      **P 122**      **L 34**      # **702**  
David V James      JGG

**Comment Type**    **ER**      **Comment Status**    **D**      caps

DVJ-129  
English words should not be capitalized simply because their meaning is different from normal English usage.

*SuggestedRemedy*  
Delay  
==>  
delay

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

Will consult the publication editor and implement prior to sponsor ballot.

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**CI 72**      **SC 72.6.1.10**      **P 122**      **L 40**      # **701**  
David V James      JGG

**Comment Type**    **ER**      **Comment Status**    **D**      caps

DVJ-128  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*  
Transmit Equalizer Example  
==>  
Transmit equalizer example

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

Will consult the publication editor and implement prior to sponsor ballot.

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**CI 72**      **SC 72.6.1.10**      **P 122**      **L 44**      # **114**  
Andre, Szczepanek

**Comment Type**    **E**      **Comment Status**    **D**

The meaning of ""maximum"" and ""minimum"" wrt coefficients is not intuitively obvious and makes these requirements difficult to understand for the uneducated reader. That a maximum value equates to equalization disabled is confusing without additional explanation.

*SuggestedRemedy*  
Add a paragraph to the end of this clause :  
""It should be noted that the valid ranges of C1 and C-1 coefficients have solely negative values, So the maximum value of these coefficients is the value closest to zero, and is therefore the value used to disable the tap.""

*Proposed Response*      *Response Status*    **W**  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 72 SC 72.6.1.11 P 123 L 13 # 704  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-131

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

Transmitter Output Waveform Measurement Requirements

==>

Transmitter output waveform measurement requirements

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.6.1.11 P 123 L 37 # 705  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-132

Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*

Transmitter Output Waveform

==>

Transmitter output waveform

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.6.1.11 P 124 L 06 # 269  
Telang, Vivek Broadcom

Comment Type ER Comment Status D

c1 (on line 6) and c-1 (on line 15) are interchanged. c-1 should refer to the precursor tap, and c1 should refer to the postcursor tap

*SuggestedRemedy*

On line 6, replace ""c1"" with ""c-1""

On line 15, replace ""c-1"" with ""c1""

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

CI 72 SC 72.6.1.11 P 124 L 23 # 176  
Spagna, Fulvio INTEL

Comment Type ER Comment Status D e

Wrong reference

*SuggestedRemedy*

Change ""Table 72-5"" to "" Table 72-7"".

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 72 SC 72.6.1.11 P 124 L 24 # 270  
Telang, Vivek Broadcom

Comment Type ER Comment Status D e

Incorrect reference to Table

*SuggestedRemedy*

Replace ""Table 72-5"" with ""Table 72-7""

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 72 SC 72.6.1.11 P 124 L 24 # 236  
Dudek, Mike Picolight

Comment Type E Comment Status D

Incorrect reference

*SuggestedRemedy*

Change Table 72-5 to 72-7

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 72 SC 72.6.1.11 P 124 L 24 # 83  
Weiner, Nick

Comment Type ER Comment Status D e

Reference to Table 72-5. Not the correct table.

*SuggestedRemedy*

Table 72-7.

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 72 SC 72.6.1.11 P 124 L 24 # 298  
Abler, Joe IBM

Comment Type E Comment Status D  
72-5 is the wrong table reference

SuggestedRemedy  
change to Table 72-7

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72.6.1.11 P 124 L 24 # 109  
Liu, Cathy

Comment Type E Comment Status D  
The peak-peak differential output voltage range was specified in Table 72-7, not in Table 72-5.

SuggestedRemedy

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72.6.1.11 P 125 L 45 # 117  
Andre, Szczepanek

Comment Type ER Comment Status X open  
Table 72-10: note#1 references Amin(f1) & Amin(f2) in Equation 69A-1.  
Amin(f1/f2) are not defined anywhere in Clauses 69 or 69a.  
Should these references be to ILmin(f1/f2) ?

This comment also applies to Tables 70-8, and 71-8

SuggestedRemedy  
Fix references

Proposed Response Response Status O

CI 72 SC 72.6.1.5 P 120 L 26 # 268  
Telang, Vivek Broadcom

Comment Type ER Comment Status D e  
Format for Return Loss equations is inconsistent with other equation formats

SuggestedRemedy  
Change format to be consistent with, e.g., 72-1 and 72-2

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72.6.1.9 P 122 L 01 # 531  
Dawe, Piers Agilent

Comment Type ER Comment Status D  
Redundant table.

SuggestedRemedy  
Change 'Table 72-8' to 'Table 52-20' here and in 72.6.2.1, and delete table 72-8.

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

CI 72 SC 72.6.2.1 P 125 L 25 # 237  
Dudek, Mike Picolight

Comment Type E Comment Status D  
wrong spelling

SuggestedRemedy  
Change inference to interference.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72.6.2.1 P 125 L 29 # 65  
Alping, Arne

Comment Type E Comment Status D  
Use of multiple periods

SuggestedRemedy  
Remove one of the periods after ""... shown in Table 72-8..""

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 72 SC 72.6.2.1 P 125 L 32 # 145  
John, D'Ambrosia

Comment Type ER Comment Status X open  
In Table 72-10, minISloss is based on the values of Amax(f) at f1, f2

## SuggestedRemedy

In Table 72-10  
replace reference to note 1 with value for minISloss 22.4754 dB  
delete note 1

Proposed Response Response Status O

CI 72 SC 72.6.2.2 P 125 L 51 # 560  
Grow, Robert Intel

Comment Type E Comment Status D  
Bad symbology.

## SuggestedRemedy

Replace =/- with symbol font single character.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72.8.4 P 127 L 08 # 139  
John, D'Ambrosia

Comment Type ER Comment Status D e  
calls out 1000BASE-KR

## SuggestedRemedy

replace with 10GBASE-KR

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72.8.5 P 127 L 13 # 138  
John, D'Ambrosia

Comment Type ER Comment Status D e  
calls out 1000BASE-KR

## SuggestedRemedy

replace with 10GBASE-KR.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72.8.5 P 127 L 20 # 706  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-133  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

Protocol Implementation Conformance Statement  
==>  
Protocol implementation conformance statement

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 72 SC 72.9 P 127 L 19 # 592  
Booth, Brad Intel

Comment Type E Comment Status D e  
PICS needs to start at the top of a new page.

## SuggestedRemedy

As per comment.

Proposed Response Response Status W  
PROPOSED ACCEPT.

# IEEE P802.3ap draft 2.0 Comments

CI 72 SC 72.9.1 P 127 L 28 # 140  
John, D'Ambrosia

Comment Type ER Comment Status D e  
calls out 10GBASE-KX4

SuggestedRemedy  
replace with 10GBASE-KR

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72.9.4.3 P 130 L 14 # 119  
Andre, Szczepanek

Comment Type ER Comment Status D e  
PICS item CF4 :  
Value/Comment Field in the PICS for ""update gain encoding"" says:  
""Changed if all corresponding updates fields set to zero""  
This is not a true summary of the referenced text.

SuggestedRemedy  
Should say :  
""Only Changed if all corresponding updates fields set to zero""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC 72.9.4.4 P 131 L 43 # 115  
Andre, Szczepanek

Comment Type E Comment Status D  
Typo in PICS item TC16:  
""falue""

SuggestedRemedy  
""value""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC Figure 72-3 P 116 L 21 # 368  
Baumer, Howard Broadcom

Comment Type E Comment Status D e  
Repeated good\_markers<=0

SuggestedRemedy  
Delete one

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
One should be bad\_markers<=0

CI 72 SC Figure 72-4 P 117 L 29 # 558  
Grow, Robert Intel

Comment Type E Comment Status D  
As I recall, separate exit transition lines are to be used when exit conditions differ.

SuggestedRemedy  
Split transitions into two lines, also Figure 72-3 at bottom of state diagram.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 72 SC Figure 72-5 P 118 L 11 # 369  
Baumer, Howard Broadcom

Comment Type E Comment Status D  
Confusing logic tests due to lack of parentheses

SuggestedRemedy  
replace "new\_coeff >= MAX\_LIMIT" with "(new\_coeff >= MAX\_LIMIT)"; "new\_coeff >  
MIN\_LIMIT with "(new\_coeff > MIN\_LIMIT)"; "new\_coeff < MAX\_LIMIT with "(new\_coeff <  
MAX\_LIMIT)"; and "new\_coeff <= MIN\_LIMIT with "(new\_coeff <= MIN\_LIMIT)"

Proposed Response Response Status W  
PROPOSED ACCEPT.



## IEEE P802.3ap draft 2.0 Comments

CI 72 SC Figure 72-9 P 117 L 29 # 559  
Grow, Robert Intel

Comment Type E Comment Status D

It looks like a capital C is used in Figure but lower case c in definitions.

SuggestedRemedy

Make consistent.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 72 SC Table 72-4 P 110 L 17 # 555  
Grow, Robert Intel

Comment Type E Comment Status D

Bit identification is usually underlined.

SuggestedRemedy

underline the ""15"" and ""14"". Similar for following rows and other tables.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 73 SC 73.1 P 133 L 05 # 707  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-134

English words should not be capitalized simply because their meaning is different from normal English usage.

SuggestedRemedy

Introduction

==>

introduction

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 73 SC 73.1 P 133 L 06 # 13  
Daines, Kevin

Comment Type ER Comment Status D

I don't think referencing this project is appropriate in the opening line of 73.1. I believe the specific PHYs, or the family of PHYs, or the Clauses in which the PHYs are specified should be referenced. ""802.3ap"" is a convenient shorthand but over time will fade while the PHY types and Clause numbers will remain.

SuggestedRemedy

Reword per comment above.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Need text

CI 73 SC 73.1 P 133 L 06 # 16  
King, Iain

Comment Type E Comment Status D

I had to re-read the first para a few times before I realised it wasn't contradicting itself (I thought the first sentence says AN is mandatory, the second says it is optional!). I realised the key word is 'use' in the second sentence as opposed to 'implemented' in the first. I wonder if there is a better way of phrasing this para to minimise the potential for confusion.

SuggestedRemedy

Perhaps change the second sentence to read ""The use of the PHY's AN capabilities is optional, however. Parallel detection shall be provided for legacy devices that do not support AN.""

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 73 SC 73.1 P 133 L 06 # 562  
Grow, Robert Intel

Comment Type E Comment Status D

The project identification is transitory and goes away when the amendment is merged into the base document.

SuggestedRemedy

Replace 802.3ap with backplane Ethernet.

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 73 SC 73.1 P 133 L 18 # 9  
Daines, Kevin

Comment Type E Comment Status D  
Suggest replacing ""Differential Manchester encoding"" with DME.

SuggestedRemedy  
Per comment

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.1 P 133 L 18 # 8  
Daines, Kevin

Comment Type E Comment Status D  
It is a nit, but DME was previously defined as ""Differential Manchester Encoding"" in 1.4.  
This text adds a ""-"" and uses ""Encoded"". This should be harmonized.

SuggestedRemedy  
Per comment

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.1 P 133 L 25 # 532  
Dawe, Piers Agilent

Comment Type E Comment Status D  
A piece of silicon doesn't understand

SuggestedRemedy  
Change 'understand' to 'discover'

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.1 P 133 L 29 # 386  
Baumer, Howard Broadcom

Comment Type E Comment Status D  
Grammar changes

SuggestedRemedy  
Change "à in an ordered fashion, permits" to "à in an orderly fashion, it permits"

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.1 P 133 L 30 # 387  
Baumer, Howard Broadcom

Comment Type E Comment Status D  
Missing "it"

SuggestedRemedy  
Change "à and allows à" to "à and it allows à"

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.1 P 133 L 32 # 533  
Dawe, Piers Agilent

Comment Type E Comment Status D  
Long sentence doesn't all make sense; not sure quite what was intended.

SuggestedRemedy  
... disabled, and legacy devices that can interoperate with 1000BASE-KX and 10GBASE-KX4 devices, to be ...

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.1 P 133 L 36 # 1  
Daines, Kevin

Comment Type E Comment Status D  
clause should be ""Clause"" in two places on this line.

SuggestedRemedy  
Per comment

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 73 SC 73.10.4.2 P 162 L 12 # 46  
Claseman, George Micrel Semiconductor

Comment Type E Comment Status D  
""wiht""

SuggestedRemedy  
""with""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.10.4.2 P 162 L 12 # 47  
Claseman, George Micrel Semiconductor

Comment Type E Comment Status D  
""supported""

SuggestedRemedy  
""supported""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.10.4.2 P 162 L 28 # 250  
Joergensen, Thomas Vitesse Semiconductor

Comment Type E Comment Status D  
The reference in DT8, column ""Value/Comment"" is incorrect. 42.2.4.2 has to be replaced with 48.2.4.2.

SuggestedRemedy  
Replace 42.2.4.2 with 48.2.4.2.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.10.4.3 P 163 L 15 # 39  
Claseman, George Micrel Semiconductor

Comment Type E Comment Status D  
""Vaues""

SuggestedRemedy  
""Values""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.10.4.4 P 164 L 14 # 251  
Joergensen, Thomas Vitesse Semiconductor

Comment Type E Comment Status D  
The reference in RF4, column ""Value/Comment"" should be Figure 73-9 instead of 73-10

SuggestedRemedy  
Replace 73-10 with 73-9

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.2 P 133 L 40 # 601  
Booth, Brad Intel

Comment Type ER Comment Status D e  
Incorrect heading. The relationship is not to ISO/IEC 8802-3, it is to the ISO OSI reference model.

SuggestedRemedy  
Change to read: Relationship to the ISO OSI reference model

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.4 P 135 L 01 # 534  
Dawe, Piers Agilent

Comment Type E Comment Status D  
Confusing choice of word if one cares about fiber optics.

SuggestedRemedy  
Change 'multimode' to multi-ability'. Consider changing 'mode' to 'ability' or 'port type'. Similarly in 73.7.6

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 73 SC 73.4 P 135 L 01 # 535  
Dawe, Piers Agilent  
Comment Type E Comment Status X open  
highest common local ability?  
SuggestedRemedy  
Delete 'local'.  
Proposed Response Response Status O

CI 73 SC 73.5 P 135 L 05 # 708  
David V James JGG  
Comment Type ER Comment Status D caps  
DVJ-135  
English words should not be capitalized simply because their meaning is different from normal English usage.  
SuggestedRemedy  
Transmission  
==>  
transmission  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
Will consult the publication editor and implement prior to sponsor ballot.

CI 73 SC 73.5.1.1 P 135 L 35 # 50  
Claseman, George Micrel Semiconductor  
Comment Type E Comment Status D  
""specified""  
SuggestedRemedy  
""specified""  
Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.5.2 P 135 L 38 # 709  
David V James JGG  
Comment Type ER Comment Status D caps  
DVJ-136  
English words should not be capitalized simply because their meaning is different from normal English usage.  
SuggestedRemedy  
Encoding  
==>  
encoding  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
Will consult the publication editor and implement prior to sponsor ballot.

CI 73 SC 73.5.2 P 135 L 47 # 40  
Claseman, George Micrel Semiconductor  
Comment Type E Comment Status D  
""synchronization""  
SuggestedRemedy  
""synchronization""  
Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.5.2 P 136 L 01 # 390  
Baumer, Howard Broadcom  
Comment Type E Comment Status D  
Reference not specific enough  
SuggestedRemedy  
Change "à defined in 48.2.4.2." to "à defined in Figure 48-5 in 48.2.4.2."  
Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

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CI 73 SC 73.5.2 P 136 L 14 # 710  
David V James JGG  
Comment Type ER Comment Status D caps  
DVJ-137  
Capitalization within figure callouts should be limited to the first word, as per IEEE Style Guide. This rule always applies, regardless of whether the callout is split into multiple lines.  
SuggestedRemedy  
Clock Transitions  
==>  
Clock transitions  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
  
Will consult the publication editor and implement prior to sponsor ballot.

---

CI 73 SC 73.5.2 P 136 L 20 # 711  
David V James JGG  
Comment Type ER Comment Status D caps  
DVJ-138  
Capitalization within figure callouts should be limited to the first word, as per IEEE Style Guide. This rule always applies, regardless of whether the callout is split into multiple lines.  
SuggestedRemedy  
First Bit on Wire  
==>  
First bit on wire  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
  
Will consult the publication editor and implement prior to sponsor ballot.

---

CI 73 SC 73.5.3 P 136 L 30 # 712  
David V James JGG  
Comment Type ER Comment Status D caps  
DVJ-139  
English words should not be capitalized simply because their meaning is different from normal English usage.  
SuggestedRemedy  
Timing  
==>  
timing  
Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.  
  
Will consult the publication editor and implement prior to sponsor ballot.

---

CI 73 SC 73.5.3 P 137 L 06 # 714  
David V James JGG  
Comment Type ER Comment Status D e  
DVJ-141  
Nonstandard table line widths  
SuggestedRemedy  
==>  
very thin in center  
thin on edges of header and body  
Proposed Response Response Status W  
PROPOSED ACCEPT.

---

CI 73 SC 73.5.3.1 P 137 L 40 # 617  
Ganga, Ilango Intel  
Comment Type E Comment Status D  
In figure 73-4 missing bit cell edges are indicate by solid lines. Change this to dotted lines  
SuggestedRemedy  
In figure 73-4 Change missing bit cell edges to dotted lines instead of solid lines.  
Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 73 SC 73.6 P 137 L 47 # 713  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-140  
English words should not be capitalized simply because their meaning is different from normal English usage.

## SuggestedRemedy

Encoding  
==>  
encoding

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 73 SC 73.6 P 138 L 22 # 618  
Ganga, Ilango Intel

Comment Type E Comment Status D

change line 22 ""The remaining capability bits are reserved."" to read as ""The remaining capability bit C[2] is reserved.""

## SuggestedRemedy

Change line 22 ""The remaining capability bits are reserved."" to read as ""The remaining capability bit C[2] is reserved.""

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 73 SC 73.6 P 138 L 25 # 279  
McClellan, Brett Solarflare

Comment Type E Comment Status D

""Pause capability resolution is referenced in 28B.3""  
Use ""defined"" instead of ""referenced.

## SuggestedRemedy

change text to: ""Pause capability resolution is defined in 28B.3""

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 73 SC 73.6 P 138 L 26 # 620  
Ganga, Ilango Intel

Comment Type E Comment Status D

Delete line 26 ""Pause capability resolution is referenced in 28B.3"". This information not relevant here it is already specified in section 73.6.5 Pause

## SuggestedRemedy

Delete line 26 ""Pause capability resolution is referenced in 28B.3"".

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 73 SC 73.6.1 P 138 L 34 # 780  
Beck, Michael Alcatel Bell n.v.

Comment Type E Comment Status D

Current text reads:  
""The selector field for 802.3 Backplane Ethernet is the following: ""

This is not a good idea, as tables may float away from their original position in the text when final lay-out is done.

## SuggestedRemedy

Replace quoted text with:  
""The selector field for 802.3 Backplane Ethernet is shown in Table 73-3. ""

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 73 SC 73.6.2 P 138 L 45 # 18  
King, Iain

Comment Type E Comment Status X open

In the UK there is an alternative meaning to the word 'nonce' that may raise a few eyebrows when this standard is read (see <http://www.missingimages.com/thesweeney/dictionary.html>). It is unlikely, though, that there will be much chance of confusion, given the target audience.

On a more serious note, this term is not defined in section 1.

## SuggestedRemedy

Consider an alternative term, and/or add a definition to section 1

Proposed Response Response Status O

## IEEE P802.3ap draft 2.0 Comments

CI 73 SC 73.6.3 P 139 L 04 # 238  
 Dudek, Mike Picolight

Comment Type E Comment Status D  
 spelling

SuggestedRemedy  
 Change enrt to entry

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 73 SC 73.6.3 P 139 L 04 # 280  
 McClellan, Brett Solarflare

Comment Type E Comment Status D  
 typo

SuggestedRemedy  
 change ""enrt"" to ""entry""

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 73 SC 73.6.4 P 139 L 17 # 718  
 David V James JGG

Comment Type ER Comment Status D caps  
 DVJ-145  
 English words should not be capitalized simply because their meaning is different from normal English usage.

SuggestedRemedy  
 Encoding  
 ==>  
 encoding

Proposed Response Response Status W  
 PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 73 SC 73.6.4 P 139 L 20 # 717  
 David V James JGG

Comment Type ER Comment Status D e  
 DVJ-144  
 Nonstandard table line widths

SuggestedRemedy  
 ==> very thin in center  
 ==> thin on edges of header and body

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 73 SC 73.6.4 P 139 L 30 # 395  
 Baumer, Howard Broadcom

Comment Type E Comment Status D  
 Resolve TBD

SuggestedRemedy  
 Remove "/TBD could be used either"

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 73 SC 73.6.4 P 139 L 31 # 283  
 McClellan, Brett Solarflare

Comment Type ER Comment Status D e  
 ""The fields A[26:3] are Reserved/TBD could be used either for future expansion of new technologies for 802.3 Backplane Ethernet or additional parameters to be negotiated for 802.3ap Backplane Ethernet.""

The TBD should have been removed going into draft 2.0.  
 The field can't be both Reserved and TBD and used for additional parameters.

SuggestedRemedy  
 Change text to: ""The fields A[26:3] are Reserved.""

Proposed Response Response Status W  
 PROPOSED ACCEPT.

# IEEE P802.3ap draft 2.0 Comments

**CI 73**      **SC 73.6.4**      **P 139**      **L 36**      # **396**  
 Baumer, Howard      Broadcom  
*Comment Type*    **E**      *Comment Status*    **D**  
 Case correction  
*SuggestedRemedy*  
 Change "à (C0:C1) is encoded in bit D11:D10 à" to "à (C0:C1) are encoded in bits D11:D10 à"  
*Proposed Response*      *Response Status*    **W**  
 PROPOSED ACCEPT.

**CI 73**      **SC 73.6.5**      **P 139**      **L 39**      # **2**  
 Daines, Kevin  
*Comment Type*    **E**      *Comment Status*    **D**  
 ""Clause 28B"" should be ""Annex 28B""  
*SuggestedRemedy*  
 see comment  
*Proposed Response*      *Response Status*    **W**  
 PROPOSED ACCEPT.

**CI 73**      **SC 73.6.5**      **P 139**      **L 42**      # **3**  
 Daines, Kevin  
*Comment Type*    **E**      *Comment Status*    **D**  
 ""Clause 28B.2"" should be ""Annex 28B.2""  
*SuggestedRemedy*  
 see comment  
*Proposed Response*      *Response Status*    **W**  
 PROPOSED ACCEPT.

**CI 73**      **SC 73.6.7**      **P 140**      **L 09**      # **397**  
 Baumer, Howard      Broadcom  
*Comment Type*    **E**      *Comment Status*    **D**  
 Redundant word  
*SuggestedRemedy*  
 Change "à encoded in bit D14 of Link Code Word encoding." to "à encoded in bit D14 of the Link Code Word."  
*Proposed Response*      *Response Status*    **W**  
 PROPOSED ACCEPT.

**CI 73**      **SC 73.6.8**      **P 140**      **L 23**      # **398**  
 Baumer, Howard      Broadcom  
*Comment Type*    **E**      *Comment Status*    **D**  
 Redundant word  
*SuggestedRemedy*  
 Change "à encoded in bit D15 of Link Code Word encoding." to "à encoded in bit D15 of the Link Code Word."  
*Proposed Response*      *Response Status*    **W**  
 PROPOSED ACCEPT.

**CI 73**      **SC 73.7.4**      **P 141**      **L 23**      # **36**  
 Marris, Arthur  
*Comment Type*    **E**      *Comment Status*    **D**  
 Change ""discribed"" to ""described"".  
*SuggestedRemedy*  
 Change ""discribed"" to ""described"".  
*Proposed Response*      *Response Status*    **W**  
 PROPOSED ACCEPT.



## IEEE P802.3ap draft 2.0 Comments

CI 73 SC 73.7.4.1 P 141 L 34 # 619  
Ganga, Ilango Intel

Comment Type E Comment Status D  
delete duplicate information on line 34

*SuggestedRemedy*

Delete the following construct from lines 34-35, ""to allow 1000BASE-KX, 10GBASE-KX, 10GBASE-KX4 and 10GBASE-KR devices that have Auto-Negotiation disabled""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.7.4.1 P 141 L 34 # 249  
Joergensen, Thomas Vitesse Semiconducto

Comment Type E Comment Status D  
Duplicate text

*SuggestedRemedy*

Remove the following text starting on line 34: ""to allow 1000BASE-KX, 10GBASE-KX4 and 10GBASE-KR devices that have Auto-Negotiation disabled""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.7.4.1 P 142 L 02 # 622  
Ganga, Ilango Intel

Comment Type ER Comment Status D e  
incorrect register description on line 2. The line 2 should read as follows, ""bit (45.2.7.2.3) in the AN Status register""

*SuggestedRemedy*

Correct page 142, line 2 to read as follows, ""bit (45.2.7.2.3) in the AN Status register""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.7.6 P 142 L 24 # 781  
Beck, Michael Alcatel Bell n.v.

Comment Type E Comment Status D  
The current text contains the phrase ""the highest priority as defined below"".

This is not a good idea, as tables may float away from their original position in the text when final lay-out is done.

*SuggestedRemedy*

Replace quoted text with:  
""the highest priority as defined in Table 73-5""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.7.6 P 142 L 29 # 720  
David V James JGG

Comment Type ER Comment Status D caps  
DVJ-147  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

*SuggestedRemedy*  
Priority Resolution  
==>  
Priority resolution

Proposed Response Response Status W  
PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 73 SC 73.7.6 P 142 L 32 # 719  
David V James JGG

Comment Type ER Comment Status D e  
DVJ-146  
Nonstandard table line widths

*SuggestedRemedy*  
==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 73 SC 73.7.7 P 143 L 23 # 401  
Baumer, Howard Broadcom

Comment Type E Comment Status D  
Missing "be"

*SuggestedRemedy*

Change "à Codes can transmitted à" to "à Codes can be transmitted à"

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.7.7 P 143 L 24 # 239  
Dudek, Mike Picolight

Comment Type E Comment Status D  
incorrect grammar

*SuggestedRemedy*

Change ""Can transmitted"" to ""Can be transmitted""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.7.7. P 143 L 24 # 51  
Claseman, George Micrel Semiconductor

Comment Type E Comment Status D  
""can transmitted""

*SuggestedRemedy*

""can be transmitted""

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.8 P 145 L 08 # 540  
Dawe, Piers Agilent

Comment Type E Comment Status D  
Management

*SuggestedRemedy*

management

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.8.1 P 145 L 10 # 782  
Beck, Michael Alcatel Bell n.v.

Comment Type E Comment Status D

Table 73-6 is not cited in the text. Although this is no longer mandatory (a novelty in the 2005 edition of the Style Guide), it is still a good idea to do so, especially considering the fact that tables can float away from their original position in the text when the page lay-out is altered.

*SuggestedRemedy*

Cite Table 73-6 in the text.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.8.1 P 145 L 18 # 721  
David V James JGG

Comment Type ER Comment Status D

DVJ-148  
Nonstandard table line widths

*SuggestedRemedy*

==> very thin in center  
==> thin on edges of header and body

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 73 SC 73.9.1 P 148 L 38 # 17  
King, Iain

Comment Type E Comment Status D  
Typo 'Mancehster'

*SuggestedRemedy*

Change to 'Manchester'

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 73 SC 73.9.1 P 148 L 38 # 52  
 Claseman, George Micrel Semiconductor  
 Comment Type E Comment Status D  
 ""Mancehster""  
 SuggestedRemedy  
 ""Manchester""  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 73 SC 73.9.1 P 150 L 19 # 41  
 Claseman, George Micrel Semiconductor  
 Comment Type E Comment Status D  
 ""Auto-Negotiaion""  
 SuggestedRemedy  
 ""Auto-Negotiation""  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 73 SC 73.9.1 P 151 L 19 # 53  
 Claseman, George Micrel Semiconductor  
 Comment Type E Comment Status D  
 ""an DME page""  
 SuggestedRemedy  
 ""a DME page""  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 73 SC 73.9.2 P 152 L 53 # 42  
 Claseman, George Micrel Semiconductor  
 Comment Type E Comment Status D  
 ""or or""  
 SuggestedRemedy  
 ""or""  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 73 SC 73.9.2 P 152 L 54 # 43  
 Claseman, George Micrel Semiconductor  
 Comment Type E Comment Status D  
 ""or or""  
 SuggestedRemedy  
 ""or""  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 73 SC 73.9.2 P 153 L 45 # 54  
 Claseman, George Micrel Semiconductor  
 Comment Type E Comment Status D  
 ""withthe""  
 SuggestedRemedy  
 ""with the""  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 73 SC 73.9.2 P 154 L 08 # 722  
 David V James JGG  
 Comment Type ER Comment Status D e  
 DVJ-149  
 Nonstandard table line widths  
 SuggestedRemedy  
 ==> very thin in center  
 ==> thin on edges of header and body  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

## IEEE P802.3ap draft 2.0 Comments

CI 73 SC 73.9.4 P 155 L 01 # 602  
Booth, Brad Intel

Comment Type ER Comment Status D e

The TDI is located in the wrong place. It is in the middle of the state machine variables and diagrams.

## SuggestedRemedy

Move TDI from 73.9.4 to be 73.9. Move the State diagrams and variable definitions to be 73.10.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 73 SC 73.9.5 P 157 L 05 # 544  
Dawe, Piers Agilent

Comment Type E Comment Status D

There's room to make the font in figure 73-8 more readable.

## SuggestedRemedy

Please make the font in figure 73-8 bigger.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will try

CI 73 SC 73.9.5 P 158 L # 44  
Claseman, George Micrel Semiconductor

Comment Type E Comment Status D

multipl lines: Some text is covered by connecting arrows.

## SuggestedRemedy

Reposition as needed.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 73 SC 73.9.5 P 158 L # 45  
Claseman, George Micrel Semiconductor

Comment Type E Comment Status D

Multipl lines: ""start\_clock\_detect\_min\_timer"" , ""start\_clock\_detect\_max\_timer""

## SuggestedRemedy

""Start clock\_detect\_min\_timer"" , ""Start clock\_detect\_max\_timer""

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 73 SC Figure P 159 L 01 # 11  
Daines, Kevin

Comment Type ER Comment Status D e

Entries to states should be from the top rather than the bottom or side.  
Exits from states should be from the bottom rather than the top or side.

## SuggestedRemedy

Per comment

Consider aliases to help with space constraints.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 73 SC Figure 73-10 P 159 L 44 # 408  
Baumer, Howard Broadcom

Comment Type E Comment Status X open

ability\_match\_wordability\_match is not defined nor is it used anywhere.

## SuggestedRemedy

Either define ability\_match\_wordability\_match or delete it or if it is actually ability\_match then replace it with ability\_match

Proposed Response Response Status O

## IEEE P802.3ap draft 2.0 Comments

CI 73 SC Figure 73-8 P 157 L 21 # 10  
Daines, Kevin

Comment Type ER Comment Status D e

Entries to states should be from the top rather than the bottom or side.  
Exits from states should be from the bottom rather than the top or side.

## SuggestedRemedy

Per comment

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 99 SC 30 P 14 L 35 # 594  
Booth, Brad Intel

Comment Type E Comment Status D

Place each clause and annex heading at the start of a new page to improve readability.

## SuggestedRemedy

As per comment.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will do for Clause 45 and up. For clauses 1 to 44 the editor was told to remove the empty white spaces.

CI 99 SC 31B P 60 L 13 # 659  
David V James JGG

Comment Type ER Comment Status D caps

DVJ-48  
Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.

## SuggestedRemedy

Round-Trip Delay Constraints  
==>  
Round-trip delay constraints

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Will consult the publication editor and implement prior to sponsor ballot.

CI 99 SC 99 P L # 591  
Booth, Brad Intel

Comment Type E Comment Status D

Clause and subclause naming should use lowercase after the first word, except for acronyms.

## SuggestedRemedy

Check capitalization and fix.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 99 SC 99 P L # 586  
Booth, Brad Intel

Comment Type E Comment Status D

Editing instructions seem to be indented or centered.

## SuggestedRemedy

Editing instructions should be left justified with no indent.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 99 SC 99 P 1 L 02 # 593  
Booth, Brad Intel

Comment Type E Comment Status D

IEEE Std. 802.3-20xx can be named 2005.

## SuggestedRemedy

Change 20xx to be 2005 through document.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 99 SC 99 P 1 L 10 # 192  
Grow, Robert Intel

Comment Type E Comment Status D

This is not a revision.

## SuggestedRemedy

Change ""Revision"" to ""Amendment"", or simply make the line read ""Draft"".

Proposed Response Response Status W

PROPOSED ACCEPT.

# IEEE P802.3ap draft 2.0 Comments

CI 99 SC 99 P 1 L 30 # 191  
Grow, Robert Intel

Comment Type E Comment Status D

Title page needs to be updated.

## SuggestedRemedy

1. Update per new IEEE editor approved format (available from WG Chair)
2. Add keywords
3. Style guide mandates slightly different copyright statement.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 99 SC 99 P 1 L 31 # 452  
Dawe, Piers Agilent

Comment Type E Comment Status D

Should be based on P802.3REV3am/D2.2.

## SuggestedRemedy

Change the 'P802.3REVam/D2.1' to 'P802.3REVam/D2.2' here on p1, but also check that the draft really is based on P802.3REVam/D2.2.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 99 SC 99 P 11 L # 195  
Grow, Robert Intel

Comment Type E Comment Status D

Table of Figures and Table of Tables are not generally included in IEEE documents and are not included in Std 802.3.

## SuggestedRemedy

Verify with IEEE publication editor if this will continue to be the case for IEEE Std 802.3-2005 and make this document consistent.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Table of Figures and Table of Tables will be removed in harmony with .3am.

CI 99 SC 99 P 12 L 50 # 125  
John, D'Ambrosia

Comment Type E Comment Status D

formatting errors - looks like return was added after word ""to""

## SuggestedRemedy

correct

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 99 SC 99 P 2 L # 194  
Grow, Robert Intel

Comment Type ER Comment Status D

Add front matter prior to Sponsor ballot.

## SuggestedRemedy

To be provided by WG Chair.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 99 SC 99 P 2 L 01 # 453  
Dawe, Piers Agilent

Comment Type E Comment Status D

The table of symbols is still useful - platform and font issues are not quite things of the past. You have a (D1.0) blank page doing nothing useful here anyway!

## SuggestedRemedy

Insert the table of symbols - make sure you get the most up-to-date one. Compare .3an and .3aq.

Proposed Response Response Status W

PROPOSED ACCEPT.

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*Cl* **99**      *SC* **99**                      *P* **3**                      *L* **01**                      # 454

Dawe, Piers                      Agilent

*Comment Type*    **E**                      *Comment Status*   **D**

Capitals to search out and cut down to size

*SuggestedRemedy*

Table of contents  
Table of figures  
Table of tables

*Proposed Response*                      *Response Status*   **W**

PROPOSED ACCEPT IN PRINCIPLE.

Table of figures and Table of tables will be removed.

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*Cl* **99**      *SC* **99**                      *P* **6**                      *L* **29**                      # 122

John, D'Ambrosia

*Comment Type*    **E**                      *Comment Status*   **D**

formatting errors - indent of 2nd line and page number

*SuggestedRemedy*

correct

*Proposed Response*                      *Response Status*   **W**

PROPOSED ACCEPT IN PRINCIPLE.

The "Table of content", "List of figures" and "List of tables" are not part of this document.  
The editor has added the templates for informational purposes only.