Cl **01**　　　*SC* **1**　　　　　　　*P* **142**　　　*L*　　　　# 16
Dawe, Piers　　　　　　　　　　　Avago

Comment Type **E**　　　*Comment Status* **A**
Second page 142

SuggestedRemedy
Fix

Response　　　　　　*Response Status* **C**
ACCEPT.

Cl **01**　　　*SC* **1.4.262**　　　　*P* **174**　　　*L* **16**　　　# 17
Dawe, Piers　　　　　　　　　　　Avago

Comment Type **E**　　　*Comment Status* **R**
Maybe "parallel detection" should be capitalised, as the meaning is pretty intricate and specific. Also, entry needs revision to mention Clause 73.

SuggestedRemedy

Response　　　　　　*Response Status* **C**
REJECT.

This comment is out of scope as it does not relate to text changed in the last draft. In addition we have chosen to do a limited number of global consistency changes and this one did not make the cut.

Cl **01**　　　*SC* **1.4.336**　　　　*P* **179**　　　*L* **33**　　　# 18
Dawe, Piers　　　　　　　　　　　Avago

Comment Type **E**　　　*Comment Status* **A**
ISO/IEC 10038 is obsolete, replaced by "ISO/IEC 15802-3: 1998　ANSI/IEEE Std 802.1D, 1998 Edition". Does this revision have any effect on what 802.3 means by bridge or switch?

SuggestedRemedy
If not, update the reference. And see comments to 802.3ax about reference ISO/IEC 10038

Response　　　　　　*Response Status* **C**
ACCEPT IN PRINCIPLE.

See response to IEEE 802.3ax (IEEE P802.1AX) comment #5.

Cl **01**　　　*SC* **1.5**　　　　　　*P* **181**　　　*L* **39**　　　# 19
Dawe, Piers　　　　　　　　　　　Avago

Comment Type **E**　　　*Comment Status* **A**
"Bit Error Ratio Tester" should be "bit error ratio tester". Document has it in lower case (4 times) and upper case (here and in 59.7.12)

SuggestedRemedy
Change to lower case when convenient

Response　　　　　　*Response Status* **C**
ACCEPT.

While this comment is out of scope, as it does not relate to text changed in the last draft, it is a purely editorial change with very limited scope so it will be made.

Cl **01**　　　*SC* **1.5**　　　　　　*P* **182**　　　*L* **20**　　　# 20
Dawe, Piers　　　　　　　　　　　Avago

Comment Type **E**　　　*Comment Status* **A**
"Differential Manchester encoding" should be "Differential Manchester encoding", as it is in Clauses 72 and 73.

SuggestedRemedy
Should be changed (sometime) here and in 1.4.136

Response　　　　　　*Response Status* **C**
ACCEPT.

While this comment is out of scope, as it does not relate to text changed in the last draft, it is a purely editorial change with very limited scope so it will be made.

Cl **01**　　　*SC* **1.5**　　　　　　*P* **182**　　　*L* **28**　　　# 21
Dawe, Piers　　　　　　　　　　　Avago

Comment Type **E**　　　*Comment Status* **A**
"Electromagnetic Interference" should be "electromagnetic interference"

SuggestedRemedy
It's in lower case 4+11+6+9+6 times. This is the odd one out.

Response　　　　　　*Response Status* **C**
ACCEPT.

While this comment is out of scope, as it does not relate to text changed in the last draft, it is a purely editorial change with very limited scope so it will be made.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER:　Clause, Subclause, page, line

Cl **01**
SC **1.5**

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Cl **01**   *SC* **1.5**   *P* **182**   *L* **34**   # 22
Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **A**
"Multiplexer" should be "multiplexer" here

SuggestedRemedy
Elsewhere it is usually used as part of the name of a function with a state diagram, or a register name. It's only used once (lower case) to mean just, a multiplexer.

Response   *Response Status*   **C**
ACCEPT IN PRINCIPLE.

While this comment is out of scope, as it does not relate to text changed in the last draft, it is a purely editorial change with very limited scope so it will be made.

This comment seems to be against draft page 183 (pdf 184).

Cl **03**   *SC* **3.2.7**   *P* **194**   *L* **36**   # 13
Parsons, Glenn   Nortel Networks

Comment Type   **E**   *Comment Status*   **A**
Reference to definitions were not resolved merge:

a) 1500 decimal—basic frames (see 1.4.x)
b) 1504 decimal—Q-tagged frames (see 1.4.344)
c) 1982 decimal—envelope frames (see 1.4.y)

SuggestedRemedy
Change to:

a) 1500 decimal—basic frames (see 1.4.73)
b) 1504 decimal—Q-tagged frames (see 1.4.291)
c) 1982 decimal—envelope frames (see 1.4.151)

Response   *Response Status*   **C**
ACCEPT.

While this comment is out of scope, as it does not relate to text changed in the last draft, it is a purely editorial change to add missing cross-references so it will be made.

Cl **04**   *SC* **4.2.8**   *P* **219**   *L* **45**   # 23
Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **A**
x (Arial font) masquerading as a multiplication cross

SuggestedRemedy
Change to * (twice). Note there are some others in Pascal comments, which seem OK to me.

Response   *Response Status*   **C**
ACCEPT IN PRINCIPLE.

This comment is out of scope, as it does not relate to text changed in the last draft. Further we note that the multiplication symbol has been use ever since the initial publication of the Ethernet standard, IEEE Std 802.3-1985. Due to this we will back out the instances of * added during IEEE 802.3ay (IEEE P802.3) comment resolution and return these to multiplication symbols.

Cl **04**   *SC* **4.2.8**   *P* **220**   *L* **44**   # 24
Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **R**
As this is Pascal, should use * for multiplication not the usual diagonal cross (D.1.1#20)

SuggestedRemedy
Also see 5.2.4.1 p246 line 16. Four multiplication crosses, in Pascal but in a comment. Not sure if that is OK or not. Use an Arial x, as elsewhere?

Response   *Response Status*   **C**
REJECT.

This comment is out of scope, as it does not relate to text changed in the last draft. See also comment #23.

Cl **04A**   *SC* **4A.2.7.1**   *P* **723**   *L* **15**   # 27
Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **R**
Multiplication cross

SuggestedRemedy
As Clause 4. This one is in a comment. Use an Arial x, as elsewhere?

Response   *Response Status*   **C**
REJECT.

This comment is out of scope, as it does not relate to text changed in the last draft. See also comment #23.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **04A**
SC **4A.2.7.1**

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Cl **07**　　*SC* **7.6.2**　　　　　*P* **285**　　*L* **2**　　　# 25
Dawe, Piers　　　　　　　　　　　Avago

Comment Type　**E**　　*Comment Status*　**A**
You removed the date from "IEC 60807-2" on the previous page (it's dated in the references)

SuggestedRemedy
Do you want to do the same here?

Response　　　　　　*Response Status*　**C**
ACCEPT.

While this comment is out of scope, as it does not relate to text changed in the last draft, but is a minimal change with very limited scope so it will be made.

Cl **21**　　*SC* **21**　　　　　*P* **1**　　*L*　　　# 28
Dawe, Piers　　　　　　　　　　　Avago

Comment Type　**E**　　*Comment Status*　**R**
Another page 1

SuggestedRemedy
We have agreed to number the pages through the whole standard, not restarting at 1 for each pdf file. It would be convenient to reviewers if this were done for the drafts as well as the final published document.

Response　　　　　　*Response Status*　**C**
REJECT.

If we do this during the drafting process it will mean that the pdf pages will no longer match the actual pages which is something we want to avoid.

In IEEE 802.3 we have almost always use Arabic numerals, rather than Roman numerals as will be done once published, in the front matter in to avoid this confusion.

Cl **21**　　*SC* **21.1.2**　　　　*P* **2**　　*L* **42**　　　# 29
Dawe, Piers　　　　　　　　　　　Avago

Comment Type　**T**　　*Comment Status*　**R**
"21. Introduction to 100 Mb/s baseband networks..." This is mendacious because it includes some but not all 100 Mb/s types. It doesn't matter whether there is an introduction to EFM elsewhere or not, the reader is reading this, here. 100BASE-LX10, 100 Mb/s Ethernet on traditional SMF, is part of the core portfolio, and deserves a mention here, more than Backplane Ethernet does in Clause 34.

SuggestedRemedy
Add a new paragraph "100BASE-LX10 and 100BASE-BX10 (Clause 58) use a pair of single-mode fibers and one single-mode fiber, respectively."

Response　　　　　　*Response Status*　**C**
REJECT.

This comment is out of scope, as it does not relate to text changed in the last draft, in fact this text is unchanged from IEEE Std 802.3-2005.

In addition 100BASE-LX10 and 100BASE-BX10 were intentionally not included in Fast Ethernet (IEEE P802.3u) project and when added by the EFM (IEEE P802.3ah) project the decision was made to not include them in Clause 21. There is consensus in this BRC to not reverse that decision.

Cl **28**　　*SC* **28.3.4**　　　　*P* **258**　　*L* **36**　　　# 30
Dawe, Piers　　　　　　　　　　　Avago

Comment Type　**E**　　*Comment Status*　**A**
Mixture of fonts in box NEXT PAGE WAIT

SuggestedRemedy
Change the Times New Roman to Arial

Response　　　　　　*Response Status*　**C**
ACCEPT IN PRINCIPLE.

This comment is out of scope, as it does not relate to text changed in the last draft, however it is a purely editorial change with very limited scope so it will be made.

The font will be corrected. In addition the underscore and strikeout on text 'wordk' will be removed.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER:　Clause, Subclause, page, line

Cl **28**
SC **28.3.4**

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Cl **28**   *SC* **28.5.4.8**   *P* **272**   *L* **10**   # 31
Dawe, Piers   Avago

Comment Type **E**   *Comment Status* **R**
Bad English, word not justified by normative subclause referred to

SuggestedRemedy
It would be good to delete "between" from three PICS here - sometime.

Response   *Response Status* **C**
REJECT.

This comment is out of scope, as it does not relate to text changed in the last draft, in fact this text is unchanged from IEEE Std 802.3-2005.

Cl **30**   *SC* **30.11.2.1.8**   *P* **419**   *L*   # 90
Dawe, Piers   Avago

Comment Type **T**   *Comment Status* **A**
aPMEFECCorrectedBlocks has a maximum increment rate of 5000 counts per second for 10Mb/s implementations - not the same as the being-modified count rate max for aFECCorrectedBlocks. I could not find any statement that more than one PME is needed for 10PASS-TS.

SuggestedRemedy
Review this and 30.11.2.1.9 aPMEFECUncorrectableBlocks, and follow 30.5.1.1.15 aFECCorrectedBlocks if appropriate

Response   *Response Status* **C**
ACCEPT IN PRINCIPLE.

This comment is out of scope, as it does not relate to text changed in the last draft however it points out an error. The increment rates for aPMEFECCorrectedBlocks and aPMEFECUncorrectableBlocks will therefore be change to 10,000 counts per second.

Cl **30**   *SC* **30.2.5**   *P* **294**   *L* **51**   # 32
Dawe, Piers   Avago

Comment Type **E**   *Comment Status* **A**
basic and mandatory packages

SuggestedRemedy
Change to "Basic and Mandatory packages"

Response   *Response Status* **C**
ACCEPT.

While this comment is out of scope, as it does not relate to text changed in the last draft, it is a purely editorial change with very limited scope so it will be made.

Cl **30**   *SC* **30.2.5**   *P* **298**   *L* **22**   # 33
Dawe, Piers   Avago

Comment Type **E**   *Comment Status* **R**
Capitalisation doesn't match 802.1AX (draft) Table 6-1. That has "Basic package" and so on, this has "Basic Package" (and so on). Text on p294 has "basic and mandatory packages".

SuggestedRemedy
I don't have strong views on "Basic package" vs. "Basic Package" (but someone else might).

Response   *Response Status* **C**
REJECT.

While this comment is out of scope, as it does not relate to text changed in the last draft. In addition we have ensured that IEEE 802.3ay (IEEE P802.3) is internally consistent.

Cl **30**   *SC* **30.5.1.1.15**   *P* **371**   *L* **1**   # 91
Dawe, Piers   Avago

Comment Type **T**   *Comment Status* **R**
10PASS-TS supports a variety of bit rates, depending on the span and the signal-to-noise ratio. I believe the max count rate would be right only if the 10PASS-TS were running at a particular line rate out of many options.

SuggestedRemedy
Change the max rate to 100 000 counts per second, here and in 30.5.1.1.16

Response   *Response Status* **C**
REJECT.

The 10Mb/s increment rate doesn't belong here, see comment #92.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **30**
SC **30.5.1.1.15**

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Cl **30**   *SC* **30.5.1.1.15**   *P* **371**   *L* **10**   # 92
Dawe, Piers   Avago

Comment Type **T**   *Comment Status* **A**
This counter has a maximum increment rate for 10 Mb/s implementations, yet behaviour states: "For 1000BASE-PX PHYs or 10GBASE-R PHYs, a count of corrected FEC blocks. This counter will not increment for other PHY types."

SuggestedRemedy
Chnage to "For 10PASS-TS, 1000BASE-PX PHYs or 10GBASE-R PHYs" (I think). Similarly for 30.5.1.1.16 aFECUncorrectableBlocks

Response   *Response Status* **C**
ACCEPT IN PRINCIPLE.

The behavior text is correct, this attribute only relates to 1000BASE-PX and 10GBASE-R PHYs. The 10PASS-TS PHY was originally erroneously included in the attribute by IEEE 802.3REVam D2.0 comment #36 and #37 [http://www.ieee802.org/3/am/comments/D2.0/802.3REVam_D2p0.pdf#Page=149] correctly removed 10PASS-TS from the behavior. At the same time the related increment rate should have also been removed but wasn't.

The 10Mb/s increment rate will therefore be removed from both 30.5.1.1.15 and 30.5.1.1.16.

Cl **30**   *SC* **30.5.1.1.15**   *P* **371**   *L* **10**   # 93
Dawe, Piers   Avago

Comment Type **T**   *Comment Status* **R**
What's a "10 Mb/s implementation"? Remember, 10PASS-TS, the only thing with FEC that might qualify, "supports a variety of bit rates, depending on the span and the signal-to-noise ratio", even if the MII rate is fixed at 100 Mb/s. So I believe there is no such thing as a 10 Mb/s implementation with FEC, but rather 10PASS-TS implementations that might happen to be delivering 10 Mb/s in a particular instance but often are not and have to support the other line rates. Also, need to distinguish between this FEC count and the PME FEC count.

SuggestedRemedy
Change "10 Mb/s implementations" to "10PASS-TS PHYs". Similarly for 30.5.1.1.16

Response   *Response Status* **C**
REJECT.

The 10Mb/s increment rate doesn't belong here - see comment #92.

Cl **30B**   *SC* **30B.2**   *P* **739**   *L* **40**   # 34
Dawe, Piers   Avago

Comment Type **E**   *Comment Status* **A**
Shouldn't 10GBASE-KR (495) come after 494?

SuggestedRemedy
Move to natural place (after 494). In 30.5.1.1.2 aMAUType, change order to match

Response   *Response Status* **C**
ACCEPT.

While this comment is out of scope, as it does not relate to text changed in the last draft, it is a purely editorial change with very limited scope so it will be made.

Cl **30B**   *SC* **30B.2**   *P* **739**   *L* **43**   # 35
Dawe, Piers   Avago

Comment Type **T**   *Comment Status* **A**
10GBASE-SR (494)

SuggestedRemedy
10GBASE-LRM (494)

Response   *Response Status* **C**
ACCEPT.

While this comment is out of scope, as it does not relate to text changed in the last draft, it points out an error so it will be made.

Cl **34**   *SC* **1.2**   *P* **2**   *L* **46**   # 1
Kolesar, Paul   CommScope

Comment Type **E**   *Comment Status* **A**
Typo in standard reference.

SuggestedRemedy
Change NSI/EIA/TIA-568-A-1995 to ANSI/EIA/TIA-568-A-1995

Response   *Response Status* **C**
ACCEPT.

While this comment is out of scope, as it does not relate to text changed in the last draft, it points out an error so it will be made.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **34**
SC **1.2**

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Cl **34**   *SC* **34.1.2**   *P* **2**   *L* **40**   # 37

Dawe, Piers   Avago

Comment Type   **T**   *Comment Status* **A**

This statement "The 1000BASE-X family of Physical Layer implementations is composed of 1000BASE-SX, 1000BASE-LX, 1000BASE-CX, and 1000BASE-KX." is false. The existence or not of EFM and Backplane Ethernet introductions, somewhere else and only one of them referenced from this subclause, does not make it correct. If you maintain this list for Backplane Ethernet you maintain it for everything. The assertion in response to a previous comment that "this is the introduction to the [802.3z] Gigabit Ethernet project" is obsolete. It is, now, more or less what it says it is: "Introduction to 1000 Mb/s baseband network", and in any case the normative standard is the text, not the section headings.

SuggestedRemedy

Change to "The 1000BASE-X family of Physical Layer implementations is composed of 1000BASE-SX, 1000BASE-LX and 1000BASE-LX10, 1000BASE-BX10, 1000BASE-CX, and 1000BASE-KX. 1000BASE-PX10 and 1000BASE-PX20 PMD sublayers provide point-to-multipoint (P2MP) connections over passive optical networks (PONs)."

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

See comment #36.

Cl **34**   *SC* **34.1.2**   *P* **2**   *L* **48**   # 38

Dawe, Piers   Avago

Comment Type   **T**   *Comment Status* **R**

As we are modifying this introduction to 1000 Mb/s to include Backplane Ethernet, this is the right place to point to the other 1000 Mb/s Ethernet types.

SuggestedRemedy

Insert a new sentence "For 1000BASE-LX10, 1000BASE-BX10, 1000BASE-CX, 1000BASE-PX10 and 1000BASE-PX20, see Clause 56."

Response   *Response Status* **C**

REJECT.

The consensus of the BRC is that we should be deleting lists, not adding to them. See comment #36.

Cl **34**   *SC* **34.1.2**   *P* **3**   *L* **37**   # 36

Dawe, Piers   Avago

Comment Type   **T**   *Comment Status* **A**

This sentence is not the case and cannot be made so by saying it: "The term 1000BASE-X refers to a specific family of Physical Layer implementations specified in Clause 36 through Clause 39 and Clause 70." Obviously, any PHY with 1000BASE-X in its name gets to be a member whether we like it or not.

SuggestedRemedy

Change this sentence to "The term 1000BASE-X refers to a family of Physical Layer implementations specified in Clause 36 through Clause 39, Clause 59, Clause 60, Clause 64, Clause 65, Clause 66 and Clause 70."

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Change the first sentence of the paragraph to read 'The term 1000BASE-X refers to a specific family of Physical Layer implementations specified in Clause 36 through Clause 39 and Clause 70.' to read 'The term 1000BASE-X refers to a specific family of Physical Layer implementations.'. Delete the last sentence of this paragraph that reads 'The 1000BASE-X family of Physical Layer implementations is composed of 1000BASE-SX, 1000BASE-LX, 1000BASE-CX, and 1000BASE-KX.'

Further comments on this subclause to further remove lists would be welcomed at initial sponsor ballot.

Cl **40**   *SC* **40.8.2**   *P* **229**   *L* **39**   # 2

Anslow, Pete   Nortel Networks

Comment Type   **E**   *Comment Status* **A**

This clause starts:
Although the automatic MDI/MDI-X configuration (see 40.4.4) is not required for successful operation of 1000BASE-T, a crossover function be implemented for every link segment to support the operation of Auto-Negotiation.
This no longer makes sense (due to the deletion of 'it is a functional requirement that')

SuggestedRemedy

The remedy depends on how strong the wording should be. Options are:
a crossover function must be implemented
a crossover function should be implemented

Response   *Response Status* **C**

ACCEPT.

Will change to read '.. a crossover function must be implemented ..'.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open   W/written   C/closed   U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **40**
SC **40.8.2**

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Cl **40**   *SC* **40.8.2**   *P* **229**   *L* **41**   # 6

Dove, Dan   Dove Networking Solut

Comment Type **ER**   *Comment Status* **A**

Improper sentence structure -

SuggestedRemedy

Insert the word 'shall', 'must', 'should' or some other such term between the words 'crossover function' and 'be'.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

See comment #2.

Cl **44**   *SC* **44.1.4.4**   *P* **4**   *L* **5**   # 39

Dawe, Piers   Avago

Comment Type **T**   *Comment Status* **A**

per 802.3aq

SuggestedRemedy

Change "The term 10GBASE-R, specified in Clause 49, Clause 51, and Clause 68, refers" to "The term 10GBASE-R, specified in Clause 49, Clause 51, and Clause 52 and Clause 68, refers" (i.e. reinstate Clause 52).

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Change the paragraph to only read 'The term 10GBASE-R refers to a specific family of Physical Layer implementations.'.

Cl **45**   *SC* **45.2.1.60.5**   *P* **62**   *L* **52**   # 40

Dawe, Piers   Avago

Comment Type **E**   *Comment Status* **A**

Dead links

SuggestedRemedy

Make three hot-links

Response   *Response Status* **C**

ACCEPT.

Cl **45**   *SC* **45.2.7.1.4**   *P* **138**   *L* **13**   # 41

Dawe, Piers   Avago

Comment Type **T**   *Comment Status* **A**

While doing my duty with revision request 1186 I noticed: First sentence says "If the PMA/PMD reports (via bit 7.1.3) that it lacks the ability to perform Auto-Negotiation, or if Auto-Negotiation is disabled, the PMA/PMD shall return a value of zero in bit 7.0.9 and any attempt to write a one to bit 7.0.9 shall be ignored.". Fourth sentence says "If a PMA/PMD reports (via bit 7.1.3) that it lacks the ability to perform Auto-Negotiation, then this bit has no meaning, and should be written as zero." For the fourth sentence, who should write? Asking the station management to write to a meaningless bit doesn't seem right. First sentence with "shalls" trumps the fourth with "should". Is this an an/ap clash? I haven't researched the history.

SuggestedRemedy

If the first sentence is correct, delete the fourth.

Response   *Response Status* **C**

ACCEPT.

Will delete the fourth sentence ' If a PMA/PMD reports (via bit 7.1.3) that it lacks the ability to perform Auto-Negotiation, then this bit has no meaning, and should be written as zero.'

Based on the history of subclause 45.2.7.1.4 from IEEE Std 802.3-2005 through to IEEE 802.3ay (IEEE P802.3) draft D2.1 provided below, the text has been merged into the base document correctly and there is no conflict between standards.

IEEE Std 802.3-2005

No subclause 45.2.7.1.4, device address 7 reserved hence bit 7.0.9 reserved.

--oo--

IEEE Std 802.3an-2006

Added new subclause 45.2.7.1.4 as part of allocating device address 7 to be the Auto-Negotiation MMD.

45.2.7.1.4 Restart Auto-Negotiation (7.0.9)

If the PMA/PMD reports (via bit 7.1.3) that it lacks the ability to perform Auto-Negotiation, or if Auto-Negotiation is disabled, the PMA/PMD shall return a value of zero in bit 7.0.9 and any attempt to write a one to bit 7.0.9 shall be ignored.

Otherwise, the Auto-Negotiation process shall be restarted by setting bit 7.0.9 to one. This bit is selfclearing, and a PMA/PMD shall return a value of one in bit 7.0.9 until the Auto-Negotiation process has been initiated. If a PMA/PMD reports (via bit 7.1.3) that it lacks the ability to perform Auto-Negotiation, then this bit has no meaning, and should be written as

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TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **45**
SC **45.2.7.1.4**

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zero. If Auto-Negotiation was completed prior to this bit being set, the process shall be reinitiated. The Auto-Negotiation process shall not be affected by clearing this bit to zero. Bit 7.0.9 is a copy of 0.9 in register 0, if present (see 22.2.4.1.7). The default value for 7.0.9 is zero (see 22.2.4.1.7).

--oo--

IEEE Std 802.3aq-2006

No text related to 45.2.7.1.4.

--oo--

IEEE Std 802.3as-2006

No text related to 45.2.7.1.4.

--oo--

IEEE Std 802.3ap-2007

No change to 45.2.7.1.4 but change to related PICS item.

Change feature from 'Writing the bit to one is ignored' to read 'Writing the bit to one is ignored if 7.1.3 = 0 or Auto-Negotiation is disabled'

--oo--

IEEE 802.3ay (IEEE P802.3)

45.2.7.1.4 Restart Auto-Negotiation (7.0.9)
If the PMA/PMD reports (via bit 7.1.3) that it lacks the ability to perform Auto-Negotiation, or if Auto-Negotiation is disabled, the PMA/PMD shall return a value of zero in bit 7.0.9 and any attempt to write a one to bit 7.0.9 shall be ignored.

Otherwise, the Auto-Negotiation process shall be restarted by setting bit 7.0.9 to one. This bit is selfclearing, and a PMA/PMD shall return a value of one in bit 7.0.9 until the Auto-Negotiation process has been initiated. If a PMA/PMD reports (via bit 7.1.3) that it lacks the ability to perform Auto-Negotiation, then this bit has no meaning, and should be written as zero. If Auto-Negotiation was completed prior to this bit being set, the process shall be reinitiated. The Auto-Negotiation process shall not be affected by clearing this bit to zero. Bit 7.0.9 is a copy of 0.9 in register 0, if present (see 22.2.4.1.7). The default value for 7.0.9 is zero (see 22.2.4.1.7).

Cl **45**	*SC* **45.5.3.3**	*P* **165**	*L* **34**	# 42
Dawe, Piers		Avago		

Comment Type **E**   *Comment Status* **A**
PICS does not match 45.2.1.75 which says "The value shall be updated at least once per second." Also stray quotation mark, unnecessary full stop..

SuggestedRemedy
Change ' Once per second." ' to ' At least once per second '

Response   *Response Status* **C**
ACCEPT.

Cl **45**	*SC* **45.5.3.9**	*P* **177**	*L* **27**	# 43
Dawe, Piers		Avago		

Comment Type **E**   *Comment Status* **A**
Dead links

SuggestedRemedy
Make many hot-links

Response   *Response Status* **C**
ACCEPT.

Cl **49**	*SC* **49.3.5**	*P* **287**	*L* **36**	# 44
Dawe, Piers		Avago		

Comment Type **E**   *Comment Status* **A**
Cross-references in last five rows of this table aren't active links

SuggestedRemedy
Make 8 hot-links

Response   *Response Status* **C**
ACCEPT.

Cl **51**	*SC* **51.10.4.2**	*P* **343**	*L* **41**	# 45
Dawe, Piers		Avago		

Comment Type **E**   *Comment Status* **A**
Dead links

SuggestedRemedy
Make two hot-links in this table, three in next

Response   *Response Status* **C**
ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **51**
SC **51.10.4.2**

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Cl **53**   *SC* **53.1**   *P* **389**   *L* **8**   # 3

Anslow, Pete   Nortel Networks

Comment Type   **E**   *Comment Status*   **A**

The second sentence of this clause starts 'IWhen forming a complete PHY,'

SuggestedRemedy

Delete the I to make 'When forming a complete PHY,'

Response   *Response Status*   **C**

ACCEPT.

Cl **53**   *SC* **53.1**   *P* **389**   *L* **8**   # 11

McClellan, Brett   Solarflare

Comment Type   **E**   *Comment Status*   **A**

Typo: 'IWhen'

SuggestedRemedy

change to 'When'

Response   *Response Status*   **C**

ACCEPT.

Cl **55**   *SC* **55.12.8**   *P* **556**   *L* **16**   # 48

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **A**

Where are the PICS for this sentence in 55.8.2.3: "A 10GBASE-T PHY shall be able to sustain, without damage, connection to a PSE and shall not cause damage to the PSE as defined in 33.2."?

SuggestedRemedy

Consider inserting two more PICS items for damage by and to a PSE.

Response   *Response Status*   **C**

ACCEPT.

While this comment is out of scope, as it does not relate to text changed in the last draft, it points out an error so the following two items will be added to the PICS table found in subclause 55.12.8:

MDI11a Connection to PSE 55.8.2.3 No damage to PHY M Yes[ ]
MDI11b Connection to PSE 55.8.2.3 No damage to PSE M Yes [ ]

Cl **55**   *SC* **55.3.5.1**   *P* **487**   *L* **37**   # 82

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **A**

Dead links

SuggestedRemedy

Also in 55.3.5.2.3

Response   *Response Status*   **C**

ACCEPT.

Cl **55**   *SC* **55.4.2.5.13**   *P* **502**   *L* **20**   # 46

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **A**

chnaged

SuggestedRemedy

changed

Response   *Response Status*   **C**

ACCEPT.

This is a spelling error in an editors note.

Cl **55**   *SC* **55.7.4**   *P* **542**   *L* **24**   # 47

Dawe, Piers   Avago

Comment Type   **T**   *Comment Status*   **A**

Intersymbol interference is not noise

SuggestedRemedy

Like D1.1#43, it would be good to delete "noise"

Response   *Response Status*   **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written   C/closed   U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **55**
SC **55.7.4**

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Cl **57A**   *SC* **57A**   *P* **513**   *L* **1**   # 88

Law, David   3Com

Comment Type   **T**   *Comment Status*   **A**

As part of a liaison response to ITU-T we agreed to add a Organization specific slow protocol to IEEE Std 802.3.

SuggestedRemedy

See supplied drafts.

8023-57a_b_SG15.pdf
8023-57a_b_SG15CMP.pdf

Response   *Response Status*   **C**

ACCEPT IN PRINCIPLE.

This comment is out of scope, as it does not relate to text changed in the last draft however to ensure that this text is reviewed by the IEEE 802.3 Working Group it will be included in the recirculation.

The Protocol Subtype value allocated for the Organization Specific Slow Protocol (OSSP) however will be changed from 254 (FE) to 10 (0A). The value 254 (FE) is an unused, illegal value, and therefore discarded at the MAC (see 57A.5). Instead a reserved for future use value, which is forwarded by the MAC, needs to be selected.

See new drafts:

8023-57a_b_SG15_response.pdf
8023-57a_b_SG15CMP_response.pdf

Cl **57A**   *SC* **57A.4**   *P* **513**   *L* **1**   # 14

Parsons, Glenn   Nortel Networks

Comment Type   **T**   *Comment Status*   **A**

It was indicated in a liaison to ITU-T in July 2007 that we would add an OUI extension to the slow protocol definition in annex 57A during sponsor ballot. I have made this comment during WG ballot in case it may be possible to add the change before sponsor ballot.

SuggestedRemedy

Update Table 57A-3 to indicate the allocation of subtype 254 (0xFE) is "Reserved for Organization Specific Extensions,
distinguished by Organizationally Unique Identifier."

Add a new subsection 57A.5 after 57A.4 (similar in style to 57.4.3.6)

57A.5 Organization Specific slow protocol frame format

The optional Organization Specific slow protocol, identified with the subtype field set to 0xFE, is used for organization specific extensions. The Organization Specific slow protocol PDU frame structure shall be as depicted
in Figure 57–xx.

```
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
|-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-|
|            Slow Protocols MAC Address             |
|-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-|
| Slow Protocol MAC Addr (cont) |     Source MAC Addr    |
|-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-|
|           Source MAC Address (continued)          |
|-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-|
|Slow Protocols Ethertype 0x8809| Subtype 254 | OUI Octet 1 |
|-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-|
|     OUI Octets 2 & 3      |                  |
|+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-                    |
|                              |
|     Rest of payload determined by organization in OUI...   |
|                              |
|-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-|
```
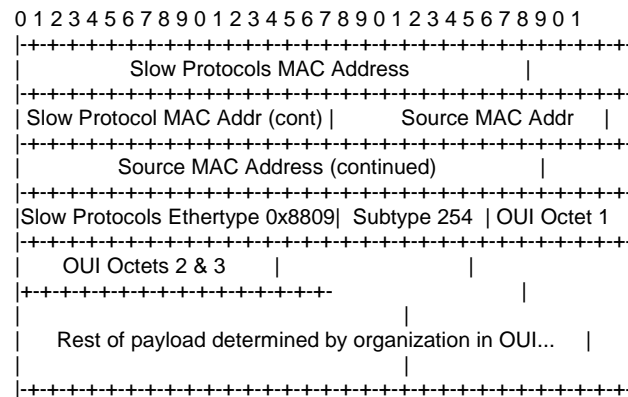
The first three octets of the Organization Specific slow protocol Data field shall contain the Organizationally Unique Identifier (OUI). The format and function of the rest of the Organization Specific OAMPDU Data field is dependent on OUI value and is beyond the scope of this standard.

The bit/octet ordering of any Organizationally Unique Identifier (OUI) field within a slow protocols PDU is identical to the bit/octet ordering of the OUI portion of the DA/SA.

Response   *Response Status*   **C**

ACCEPT IN PRINCIPLE.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **57A**
SC **57A.4**

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See comment #88.

Cl **58**   *SC* **58.1**   *P* **59**   *L* **10**   # 89

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **A**

Dead links

SuggestedRemedy

Make three hot-links in 58.1

Response   *Response Status*   **C**

ACCEPT.

Cl **61**   *SC* **61.1.4.1**   *P* **153**   *L* **12**   # 94

Dawe, Piers   Avago

Comment Type   **T**   *Comment Status*   **R**

Shouldn't there be an RS between the MAC and the MII?

SuggestedRemedy

If so, is it optional like the MII?

Response   *Response Status*   **C**

REJECT.

This is not a layer diagram, instead it is an overview of the PCS functions. The RS provides no functionality for the MII, it simply maps signals to primitives. Adding the RS to this figure would provide no added value, much like the RS itself.

This comment is also out of scope, as it does not relate to text changed in the last draft.

Cl **64**   *SC* **64.3.5.6**   *P* **289**   *L* **2**   # 49

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **A**

The new diagram is not in the same style as the old one (and the others in this clause) and uses an even smaller font (6.5 point)

SuggestedRemedy

Perhaps when opening sponsor ballot - change the 6.5 point to at least 7 point, use the usual fonts and line types, remove the shading.

Response   *Response Status*   **C**

ACCEPT.

Have contacted the submitter of the Maintenance request for a correctly format figure.

Cl **69**   *SC* **69.1.3**   *P* **378**   *L* **36**   # 113

Ganga, Ilango   Intel

Comment Type   **E**   *Comment Status*   **A**

Merge error:

Spelling for implementers or "implementors".

Make a global change for consistency. There are few occurences in the document.

SuggestedRemedy

As per comment

Response   *Response Status*   **C**

ACCEPT.

Cl **69**   *SC* **69.2.4**   *P* **380**   *L* **9**   # 114

Ganga, Ilango   Intel

Comment Type   **E**   *Comment Status*   **R**

Merge error:
Clause 69 and in Clause 73:

Capitalization of "Next Page". I think the base document has changed this to small caps "next page". Still in Clause 73 it is referred as "Next Page" (many occurances). Whatever is the decision, make a global change to make it consistent across all clauses.

SuggestedRemedy

Response   *Response Status*   **C**

REJECT.

The capitalization 'Next Page' is only used in names such as 'Next Page function' and 'Next Page bit' otherwise the capitalization is 'next page'. Of the 11 instances of 'Next Page' in Clause 73, five are 'Next Page function', five are 'Next Page bit' and one is the title of subclause 73.6.9 'Next Page' which describes the Next Page bit. The capitalization therefore is correct.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **69**
SC **69.2.4**

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Cl **69**   *SC* **69.5**   *P* **381**   *L* **32**   # 95

Ganga, Ilango   Intel

Comment Type **E**   *Comment Status* **A**

Merge error:
Capitalization for "Protocol implementation conformance statement" (two occurances, title and text). This was changed to small cap during publication.

Also change "Clauses 70 through 74" to "Clause 70 through Clause 74". This change was made by publication editor.

SuggestedRemedy

Per comment

Response   *Response Status* **C**

ACCEPT.

See comment #50.

Cl **69**   *SC* **69.5**   *P* **381**   *L* **32**   # 50

Dawe, Piers   Avago

Comment Type **E**   *Comment Status* **A**

D1.1#81 not implemented

SuggestedRemedy

Change capitalization in two instances in 69.5, to read as follows: "Protocol implementation conformance statement (PICS) proforma"

Response   *Response Status* **C**

ACCEPT.

While this comment is out of scope, as it does not relate to text changed in the last draft, it is a purely editorial change with very limited scope so it will be made.

Cl **69A**   *SC* **69A.2.1**   *P* **596**   *L* **12**   # 100

Ganga, Ilango   Intel

Comment Type **E**   *Comment Status* **A**

Merge error:

page 596, line 12, Change to: "..less than the minimum specified.."
page 596, line 13, Change to: "..an equivalent stress may be introduced.."
page 596, line 17, Change to: "..as defined in Equation (69A–1)."
page 596, line 43, Change to: "..as long as the combination.."
page 596, line 52, Change to: "as defined in Equation (69A–2) through Equation (69A–7)."

SuggestedRemedy

Per comment

Response   *Response Status* **C**

ACCEPT.

Cl **69A**   *SC* **69A.2.2**   *P* **596**   *L* **49**   # 121

Ganga, Ilango   Intel

Comment Type **ER**   *Comment Status* **A**

Merge error:

The subscript for many variables in Annex 69A are in italics. For example I_{LTC}, f_1, f_2, m_{TC}, b_{TC}, f_{min}, A_{max}, m_X, m_Y, m_{XX}, m_{XY} etc.,

All subscripts that are not variables may need to be changed to upright. These changes were done during 802.3ap-2007 publication but have not been carried over during merge. Please refer to IEEE Std 802.3ap-2007 and make the appropriate changes to Annex 69A.

SuggestedRemedy

As per comment

Response   *Response Status* **W**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **69A**
SC **69A.2.2**

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Cl **69B**   *SC* **69B.1**   *P* **600**   *L* **29**   # 123

Ganga, Ilango   Intel

Comment Type   **ER**   *Comment Status* **A**

Merge error:

The notation for powers of 10 have been changed during 802.3ap publication, but have not been carried over during merge to 802.3. For example 2.00 x 10-5 (instead of 2.00E-5), etc.,

SuggestedRemedy

Change as per the notation followed in Annex 69B of IEEE Std 802.3ap-2007

Response   *Response Status*   **W**

ACCEPT.

Cl **69B**   *SC* **69B.4.1**   *P* **600**   *L* **13**   # 122

Ganga, Ilango   Intel

Comment Type   **ER**   *Comment Status* **A**

Merge error:

The subscript for many variables in Annex 69B are in italics. For example Amax, ILmax, RLmin, ICRmin, fmin, fmax, b1 to b4, f1,f2,fa,fb, etc., similarly variables in table and in equation.

All subscripts that are not variables may need to be changed to upright. These changes were done during 802.3ap-2007 publication but have not been carried over during merge. Please refer to IEEE Std 802.3ap-2007 and make the appropriate changes to Annex 69B.

SuggestedRemedy

As per comment

Response   *Response Status*   **W**

ACCEPT.

Cl **69B**   *SC* **69B.4.1**   *P* **600**   *L* **28**   # 86

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status* **A**

D1.1#84 not implemented

SuggestedRemedy

Response   *Response Status*   **C**

ACCEPT.

IEEE 802.3ay (IEEE P802.3) draft D1.1 comment #84 reads as follows:

In table 69B-1 for rows 3-6 change the power of symbol instead of E-xx (refer to 802.3ap-2007 for the change)

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **69B**
SC **69B.4.1**

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Cl **69B**   *SC* **69B.4.2**   *P* **600**   *L* **47**   # 118

Ganga, Ilango   Intel

Comment Type   **E**   *Comment Status*   **A**

Merge error:

Change last sentence of paragraph to read as follows:

"..procedure is defined by Equation (69B–1) through Equation (69B–5)."

Similarly change on page 601, line 47:

"high confidence region defined by Equation (69B–7) and Equation (69B–8)."

Change on page 604, line 3:

"The insertion loss deviation, as defined by Equation (69B–9),"

Change on page 604, line 48:

"as defined by Equation (69B–12) through Equation (69B–14)."

Similarly make the following change on page 602, line 6

"insertion loss limit is illustrated in Figure 69B–3, Figure 69B–4, and Figure 69B–5."

SuggestedRemedy

As per comment

Response   *Response Status*   **C**

ACCEPT.

Cl **69B**   *SC* **69B.4.2**   *P* **601**   *L* **14**   # 87

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **A**

D1.1#83 not implemented

SuggestedRemedy

Response   *Response Status*   **C**

ACCEPT.

IEEE 802.3ay (IEEE P802.3) draft D1.1 comment #83 reads as follows:

e is a constant and hence should be upright in equation 69B-6 (refer 802.3ap-2007)

Cl **70**   *SC* **70.1**   *P* **383**   *L* **7**   # 115

Ganga, Ilango   Intel

Comment Type   **ER**   *Comment Status*   **A**

Merge Error: Comment #48 in D1.1 has not been implemented in D1.2 Clause 70. (refer to comments 87 and 48 in D1.1).

SuggestedRemedy

Change text to read as "When forming a complete PHY, a PMD shall be connected to the appropriate sublayers.."

Response   *Response Status*   **U**

ACCEPT.

Cl **70**   *SC* **70.1**   *P* **383**   *L* **7**   # 51

Dawe, Piers   Avago

Comment Type   **TR**   *Comment Status*   **A**

With reference to D1.2#48 against 72.1, "Same change for 71.1, 72.1. 53.1.". I suppose that should have said "Same change for 71.1, 70.1. 53.1." Sorry about that.

SuggestedRemedy

Change to read 'When forming a complete PHY, a PMD shall be connected to the appropriate sublayers' (as in the published 802.3ap-2007).

Response   *Response Status*   **U**

ACCEPT.

See comment #115.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **70**
SC **70.1**

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Cl **70** *SC* **70.1** *P* **383** *L* **9** # 52

Dawe, Piers Avago

Comment Type **E** *Comment Status* **A**

This has "functions which are" while 802.3ap-2007 has "functions that are"

SuggestedRemedy

If you care, change "which" to "that" in 70.1 and 71.1.

Response *Response Status* **C**

ACCEPT.

Cl **70** *SC* **70.10.2.1** *P* **394** *L* **25** # 102

Ganga, Ilango Intel

Comment Type **E** *Comment Status* **A**

Merge error:

Change text: Names(s) to Name(s)

Similarly make the same change to 71.10.2.1

SuggestedRemedy

Per comment

Response *Response Status* **C**

ACCEPT.

Cl **70** *SC* **70.3** *P* **383** *L* **37** # 53

Dawe, Piers Avago

Comment Type **TR** *Comment Status* **R**

D1.1 comment 45 has been implemented in reverse, undoing part of what was implemented of D1.0 comment 132.

SuggestedRemedy

Put 70.3 back to how it was in D1.1: to read 'The PCS associated with this PMD is required to support...' Make the similar change in 71.3 and 72.3. Delete 71.10.4.1 and 72.10.4.1 (whole subclauses - the equivalent in Clause 70 has gone since D1.1).

Response *Response Status* **W**

REJECT.

Changing the text to 'is required to' does not fix the problem as this simply obfuscates the fact that it is mandatory (the text 'is required to' = 'shall', see IEEE-SA style manual subclause 13.1 'Shall, should, may, and can'
[http://standards.ieee.org/guides/style/2007_Style_Manual.pdf #Page=20]).

Cl **70** *SC* **70.4** *P* **383** *L* **42** # 101

Ganga, Ilango Intel

Comment Type **E** *Comment Status* **A**

Merge error:

Change Clause 31B to read as Annex 31B

SuggestedRemedy

Per comment

Response *Response Status* **C**

ACCEPT.

This isn't a merge error but instead is an error introduced between IEEE 802.3ay (IEEE P802.3) Drafts D1.0 and D1.1 when the text was made a hot link and the wrong format was applied.

Cl **70** *SC* **70.6.1** *P* **384** *L* **48** # 54

Dawe, Piers Avago

Comment Type **E** *Comment Status* **A**

Paragraph on next page should start here

SuggestedRemedy

Remove any unnecessary empty lines or page break

Response *Response Status* **C**

ACCEPT.

Cl **70** *SC* **70.7** *P* **386** *L* **28** # 55

Dawe, Piers Avago

Comment Type **E** *Comment Status* **A**

70.7 should start here

SuggestedRemedy

Fix

Response *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **70**
SC **70.7**

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Cl **70**   *SC* **70.7.1**   *P* **387**   *L* **14**   # 56

Dawe, Piers   Avago

Comment Type **T**   *Comment Status* **A**

D1.1#88 not implemented

SuggestedRemedy

Delete '(max')

Response   *Response Status* **C**

ACCEPT.

Cl **70**   *SC* **70.7.1.5**   *P* **389**   *L* **33**   # 7

Dove, Dan   Dove Networking Solut

Comment Type **E**   *Comment Status* **A**

The word 'logical' does not seem appropriate for this sentence.
Perhaps 'voltage'?

SuggestedRemedy

Change the word to a more appropriate one.

Response   *Response Status* **C**

ACCEPT.

Also change in 71.7.1.4 and 72.7.1.4.

Cl **70**   *SC* **70.7.1.5**   *P* **389**   *L* **33**   # 57

Dawe, Piers   Avago

Comment Type **E**   *Comment Status* **A**

"logical levels" sounds odd, "logic levels" sounds OK, but I don't think was necessary. Why
the change? This is a standard, it doesn't have to claim that its requirements are logical.

SuggestedRemedy

Delete "logical" or undo the change and revert to "logic".

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

See comment #7.

Cl **70**   *SC* **70.7.2.1**   *P* **391**   *L* **30**   # 58

Dawe, Piers   Avago

Comment Type **E**   *Comment Status* **A**

70.7.2.1 should start here

SuggestedRemedy

Fix

Response   *Response Status* **C**

ACCEPT.

Cl **71**   *SC* **71.1**   *P* **399**   *L* **9**   # 103

Ganga, Ilango   Intel

Comment Type **E**   *Comment Status* **A**

Merge error: This grammer change was implemented by publication editor in 802.3ap-2007
but left out during merge.

 Change "which are" to "that are"

Similarly make the same change to Clauses 70.1 and 72.1

SuggestedRemedy

As per comment

Response   *Response Status* **C**

ACCEPT.

Cl **71**   *SC* **71.10.3**   *P* **412**   *L* **20**   # 60

Dawe, Piers   Avago

Comment Type **T**   *Comment Status* **A**

D1.1#86 not implemented

SuggestedRemedy

Change "Analog Signal Detect Generation" to read simply as "Signal Detect Generation"

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **71**   Page 16 of 25
SC **71.10.3**   10/09/2007 14:38:55

Cl **71**   *SC* **71.10.4.2**   *P* **413**   *L* **13**   # 62

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status* **A**
siganl

SuggestedRemedy
signal

Response   *Response Status* **C**
ACCEPT.

This misspelling also appears in IEEE Std 802.3ap-2007.

Cl **71**   *SC* **71.10.4.2**   *P* **413**   *L* **13**   # 61

Dawe, Piers   Avago

Comment Type   **T**   *Comment Status* **A**
constinuously

SuggestedRemedy
"continuously" - or better, delete the word altogether; it doesn't appear in 71.6.4. Make 70.10.4.1 and 72.10.4.2 consistent

Response   *Response Status* **C**
ACCEPT IN PRINCIPLE.

The only change from D1.1 to D1.2 was to prevent the word from being hyphenated over two lines to match the same item in the published standard IEEE Std 802.3ap-2007. Based on this the spelling will be corrected but nothing else.

Cl **71**   *SC* **71.10.4.2**   *P* **413**   *L* **32**   # 106

Ganga, Ilango   Intel

Comment Type   **E**   *Comment Status* **A**
typo: Change to "continuously"

SuggestedRemedy
As per comment

Response   *Response Status* **C**
ACCEPT.

Cl **71**   *SC* **71.10.4.2**   *P* **413**   *L* **32**   # 5

Anslow, Pete   Nortel Networks

Comment Type   **E**   *Comment Status* **A**
The table entry for FS8 has a Value/Comment entry of 'SIGNAL_DETECT = OK constinuously'
This should be 'SIGNAL_DETECT = OK continuously'

SuggestedRemedy
Change 'constinuously' to 'continuously'

Response   *Response Status* **C**
ACCEPT.

Cl **71**   *SC* **71.10.4.2**   *P* **413**   *L* **32**   # 8

Dove, Dan   Dove Networking Solut

Comment Type   **E**   *Comment Status* **A**
'constinuously' is improperly spelled.

SuggestedRemedy
'continuously' (ie: get your 's' out of there)

Response   *Response Status* **C**
ACCEPT.

Cl **71**   *SC* **71.10.4.2**   *P* **413**   *L* **32**   # 12

McClellan, Brett   Solarflare

Comment Type   **E**   *Comment Status* **A**
typo: 'constinuously'

SuggestedRemedy
change to 'continuously'

Response   *Response Status* **C**
ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **71**
SC **71.10.4.2**

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Cl **71**   *SC* **71.10.4.2**   *P* **413**   *L* **37**   # 63
Dawe, Piers   Avago

Comment Type   **T**   *Comment Status* **A**
Table 71–4 doesn't define conditions for signal detect - it's a transmitter table. Nor do the receiver tables, 71-6 and 71-7, AFAICS.

SuggestedRemedy
Delete "according to the conditions defined in Table 71–4"

Response   *Response Status* **C**
ACCEPT.

GC !!
TRT FS9.

Cl **71**   *SC* **71.7.1**   *P* **403**   *L* **20**   # 4
Anslow, Pete   Nortel Networks

Comment Type   **E**   *Comment Status* **A**
The first sentence of this clause is 'Transmitter characteristics at TP1 are summarized in Table 71-4 and detailed in 71.7.1.1 and 71.7.1.9.'
This should be '71.7.1.1 through 71.7.1.9'

SuggestedRemedy
Change 'and' to 'through'

Response   *Response Status* **C**
ACCEPT IN PRINCIPLE.

See comment #116.

Cl **71**   *SC* **71.7.1**   *P* **403**   *L* **21**   # 116
Ganga, Ilango   Intel

Comment Type   **ER**   *Comment Status* **A**
Change the sentence as follows:

"..detailed in 71.7.1.1 through 71.7.1.9."

SuggestedRemedy
As per comment

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

While this comment is out of scope as it does not relate to text changed between D1.1 and D1.2 we will change '.. in Table 71–4 and detailed in 71.7.1.1 and 71.7.1.9.' to read '.. in Table 71–4.'.

Cl **71**   *SC* **71.7.1**   *P* **403**   *L* **30**   # 59
Dawe, Piers   Avago

Comment Type   **T**   *Comment Status* **A**
D1.1#88 not implemented

SuggestedRemedy
Delete '(max')

Response   *Response Status* **C**
ACCEPT.

Cl **71**   *SC* **71.7.1.1**   *P* **404**   *L* **25**   # 104
Ganga, Ilango   Intel

Comment Type   **E**   *Comment Status* **A**
Merge error: capitalization

In figure title 71-2, Change to "Transmit test fixture.."

SuggestedRemedy
As per comment

Response   *Response Status* **C**
ACCEPT.

Cl **71**   *SC* **71.7.2.5**   *P* **409**   *L* **26**   # 105
Ganga, Ilango   Intel

Comment Type   **E**   *Comment Status* **A**
Merge error: missing period

Add missing periods to the end of the following sentences:

Line 26: Last sentences of 71.7.2.5

Line 30: End of sentence of 71.8

SuggestedRemedy
As per comment

Response   *Response Status* **C**
ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **71**
SC **71.7.2.5**

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Cl **71**　　　*SC* **FS8, FS9 in 71.10.4.2**　　*P* **414**　　　*L* **19**　　　# 64
Dawe, Piers　　　　　　　　　　　　　　Avago

Comment Type　**E**　　　*Comment Status*　**A**
　　Transmitters

SuggestedRemedy
　　transmitters

Response　　　　　　　*Response Status*　**C**
　　ACCEPT.

　　The change is for FS17.

Cl **72**　　　*SC* **72.10.3**　　　　*P* **444**　　　*L* **25**　　　# 70
Dawe, Piers　　　　　　　　　　　　　　Avago

Comment Type　**T**　　　*Comment Status*　**R**
　　Having a "major capability" that is the absence of another major capability is silly

SuggestedRemedy
　　It would be good to delete the row *ND No Signal Detect, make FS5 in 72.10.4.2 similar to
　　FS8, FS9 in 71.10.4.2

Response　　　　　　　*Response Status*　**C**
　　REJECT.

　　Subclause 72.10.3 is not just major capabilities but instead is titled 'Major
　　capabilities/options'. The items ND and SD are options as the status field is marked O/1,
　　that is an optional function, but one and only one of the group of options labeled by the
　　same numeral 1 is required (see 21.6.2). Thus it would be inappropriate to delete the row
　　*ND.

　　FS8 and FS9 in 71.10.4.2 relate to different requirements from FS5 in 72.10.4.2.

Cl **72**　　　*SC* **72.10.4.2**　　　　*P* **445**　　　*L* **18**　　　# 71
Dawe, Piers　　　　　　　　　　　　　　Avago

Comment Type　**T**　　　*Comment Status*　**R**
　　"Value described in 45.2.1.9.5": this is the wrong way round. Per 72.6.4, the MDIO register
　　follows the primitive, not vice versa. Descriptions of behaviour in Clause 45 are not
　　suitable specifications for PMD behaviour, any more than Clause 30 would be. FS7 and
　　FS8 contradict each other, FS9 duplicates FS8.

SuggestedRemedy
　　Replace FS6 to FS9 with a clone of FS8, FS9 in 71.10.4.2 (as corrected)

Response　　　　　　　*Response Status*　**C**
　　REJECT.

　　In subclause 72.6.4 'Global_PMD_signal_detect' should read 'Global PMD receive signal
　　detect' to match 45.2.1.9.5. The text referencing 45.2.1.9.5 is correct as that subclause is
　　where the mapping of the bit for multi lane and single lane PMDs is defined.

　　Hence it is correct for PICS item FS6 to reference 45.2.1.9.5 as well as listing subclause
　　72.6.4. In respect to FS7 to FS9 these match the three shall statements in the last two
　　paragraphs in 72.6.4.

Cl **72**　　　*SC* **72.10.4.4**　　　　*P* **446**　　　*L* **11**　　　# 111
Ganga, Ilango　　　　　　　　　　　　　Intel

Comment Type　**E**　　　*Comment Status*　**A**
　　Fix the font sizes for text in CF6 and CF7 to match text of other rows in the the table.

SuggestedRemedy
　　Per comment

Response　　　　　　　*Response Status*　**C**
　　ACCEPT.

Cl **72**　　　*SC* **72.10.4.4**　　　　*P* **446**　　　*L* **27**　　　# 112
Ganga, Ilango　　　　　　　　　　　　　Intel

Comment Type　**E**　　　*Comment Status*　**A**
　　CF11: Change "Outgoing initialize field" to "Outgoing initialize control"

　　to match other occurances in the document.

SuggestedRemedy
　　Per comment

Response　　　　　　　*Response Status*　**C**
　　ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER:　Clause, Subclause, page, line

Cl **72**
SC **72.10.4.4**

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Cl **72**   *SC* **72.10.4.4**   *P* **446**   *L* **44**   # 109

Ganga, Ilango   Intel

Comment Type   **E**   *Comment Status*   **A**

Merge error:
CF16: Fix typo: coefficient (page 446)

CF22: Fix typo: coefficient (page 447)

CF20 Fix typo: "initialize" (page 447)

SuggestedRemedy

As per comment

Response   *Response Status*   **C**

ACCEPT.

Cl **72**   *SC* **72.10.4.5**   *P* **449**   *L* **26**   # 73

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **R**

Separate PICS entries for Rising edge transition time and Falling edge transition time
seems excessive

SuggestedRemedy

Response   *Response Status*   **C**

REJECT.

This comment is out of scope, as it does not relate to text changed in the last draft.

Cl **72**   *SC* **72.10.4.5**   *P* **449**   *L* **26**   # 72

Dawe, Piers   Avago

Comment Type   **T**   *Comment Status*   **R**

"measured at the 20% and 80% levels": there is no requirement that it should be
measured, and the transition time is not at these levels but between them. "as measured
at" would address the first point only.

SuggestedRemedy

Change "measured at" to "between" (twice). It would be nice to change "as measured at
the 20%" in 72.7.1.7 to "between the 20%"

Response   *Response Status*   **C**

REJECT.

This comment is out of scope, as it does not relate to text changed in the last draft. The
BRC believes that the existing text is adequate.

Cl **72**   *SC* **72.10.4.5**   *P* **449**   *L* **4**   # 110

Ganga, Ilango   Intel

Comment Type   **E**   *Comment Status*   **A**

Consider to move the table in 72.10.4.5 to previous page to avoid blank space.

SuggestedRemedy

Per comment

Response   *Response Status*   **C**

ACCEPT.

Cl **72**   *SC* **72.10.4.6**   *P* **451**   *L* **9**   # 74

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **A**

Two dead links "Annex 69A"

SuggestedRemedy

Response   *Response Status*   **C**

ACCEPT.

Cl **72**   *SC* **72.6.1**   *P* **419**   *L* **6**   # 65

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **A**

"Therefore, it is therefore recommended": too many therefores, even if 802.3ap-2007 is like
this

SuggestedRemedy

Delete the second one

Response   *Response Status*   **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **72**
SC **72.6.1**

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Cl **72**　　*SC* **72.6.1**　　　　　*P* **419**　　*L* **7**　　# 107
Ganga, Ilango　　　　　　　　Intel

Comment Type **E**　　*Comment Status* **A**
Therefore duplicated twice in the sentence.

SuggestedRemedy
Change as follows "Therefore, it is recommended that.."

Response　　　　*Response Status* **C**
ACCEPT IN PRINCIPLE.

See comment #65.

Cl **72**　　*SC* **72.6.10.2.3.1**　　*P* **423**　　*L* **7**　　# 66
Dawe, Piers　　　　　　　　Avago

Comment Type **T**　　*Comment Status* **R**
"the status for all coefficients indicate indicates updated or maximum." Is there a single status for the set of coefficients?

SuggestedRemedy
If not, change to "the status for each coefficient indicates updated or maximum."

Response　　　　*Response Status* **C**
REJECT.

You can only progress once all the coefficients have been updated.

Cl **72**　　*SC* **72.6.10.2.6**　　　*P* **425**　　*L* **23**　　# 67
Dawe, Piers　　　　　　　　Avago

Comment Type **T**　　*Comment Status* **A**
I wouldn't say that Equation (72–1) produces a bit stream

SuggestedRemedy
This implements the generator polynomial shown in Equation (72–1). ?

Response　　　　*Response Status* **C**
ACCEPT.

While this comment is out of scope, as it does not relate to text changed in the last draft it provides clearer text and is very limited scope so it will be made.

Cl **72**　　*SC* **72.6.10.2.6**　　　*P* **425**　　*L* **43**　　# 68
Dawe, Piers　　　　　　　　Avago

Comment Type **E**　　*Comment Status* **A**
Gbaud

SuggestedRemedy
GBd

Response　　　　*Response Status* **C**
ACCEPT.

Cl **72**　　*SC* **72.7.1**　　　　　*P* **433**　　*L* **1**　　# 108
Ganga, Ilango　　　　　　　　Intel

Comment Type **E**　　*Comment Status* **A**
Merge error:
Move the table foot notes to be together with the Table 72-6 in previous page. The notes have move to next page due to formatting during merge.

SuggestedRemedy
Per comment

Response　　　　*Response Status* **C**
ACCEPT.

Cl **72**　　*SC* **72.7.1.11**　　　*P* **438**　　*L* **26**　　# 117
Ganga, Ilango　　　　　　　　Intel

Comment Type **ER**　　*Comment Status* **A**
Merge error:

Period T is a constant (not a variable). So it should not be in italics. This change was made by publication editor in IEEE Std 802.3ap-2007 but has been missed out during merge.

SuggestedRemedy
Change symbol "T" upright style to text and in diagram in page 438 (many instances). Refer to IEEE Std 802.3ap-2007 for reference.

Response　　　　*Response Status* **W**
ACCEPT.

Also needs to be corrected on line 22.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER:　Clause, Subclause, page, line

Cl **72**
SC **72.7.1.11**

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Cl **72**   *SC* **72.7.1.4**   *P* **435**   *L* **6**   # 9
Dove, Dan   Dove Networking Solut

Comment Type **E**   *Comment Status* **A**
     The word 'logic' does not seem appropriate for this sentence. Perhaps 'voltage'? Either
     way, its inconsistent with 70.7.1.5 which has identical wording except for this word.

SuggestedRemedy
     Change the word and ensure it's consistent with 70.7.1.5

Response   *Response Status* **C**
     ACCEPT.

Cl **72**   *SC* **72.7.1.7**   *P* **436**   *L* **29**   # 69
Dawe, Piers   Avago

Comment Type **TR**   *Comment Status* **R**
     "Measurement is done": this is not what we signed off at P802.3ap/D3.3. There is no
     requirement that the measurement be done, merely that the transition times should meet
     spec.

SuggestedRemedy
     Even though it makes for a long sentence, go with what we voted: "...defined in 72.7.1.11
     using the square...".

Response   *Response Status* **W**
     REJECT.

     The first sentence states '.. as measured at ..' and therefore the second sentence
     describes how to do that measurement, not that the measurement shall be done.

Cl **73**   *SC* **73.10.2**   *P* **473**   *L* **6**   # 81
Dawe, Piers   Avago

Comment Type **E**   *Comment Status* **A**
     60–75 ms

SuggestedRemedy
     60 ms to 75 ms (same format as you have changed the next three paragraphs to)

Response   *Response Status* **C**
     ACCEPT.

Cl **73**   *SC* **73.11.2.1**   *P* **479**   *L* **23**   # 98
Ganga, Ilango   Intel

Comment Type **E**   *Comment Status* **A**
     Merge error:

     change "Names(s)" to "Name(s)"

SuggestedRemedy
     Per comment

Response   *Response Status* **C**
     ACCEPT.

Cl **73**   *SC* **73.5.1.1**   *P* **455**   *L* **34**   # 75
Dawe, Piers   Avago

Comment Type **E**   *Comment Status* **A**
     Changing a hyphen to a short dash is not the right fix.

SuggestedRemedy
     Change to "to", twice. While you are there, make the table wider to recover two lines,
     please.

Response   *Response Status* **C**
     ACCEPT.

Cl **73**   *SC* **73.5.2**   *P* **455**   *L* **46**   # 76
Dawe, Piers   Avago

Comment Type **T**   *Comment Status* **R**
     "106 evenly spaced transition positions that contain a Manchester violation delimiter". I
     read this as 106 Manchester violation delimiters, one for each transition position. The
     previous version with "which" for some reason did not give me that impression.

SuggestedRemedy
     Change to "106 evenly spaced transition positions containing one Manchester violation
     delimiter" (if that is the case)

Response   *Response Status* **C**
     REJECT.

     This comment is out of scope, as it does not relate to text changed in the last draft. The
     BRC believes that the existing text is adequate.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **73**
SC **73.5.2**

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Cl **73**   *SC* **73.5.2**   *P* **456**   *L* **1**   # 77
Dawe, Piers   Avago

Comment Type   **T**   *Comment Status*   **A**
"The remaining 49 odd-numbered transition positions shall contain a transition." One transition (if so, where?) or 49?

SuggestedRemedy
"The remaining 49 odd-numbered transition positions shall each contain a transition."? If so, also change PICS 73.11.4.2 DT4 to "transition" to "transitions"

Response   *Response Status*   **C**
ACCEPT IN PRINCIPLE.

While this comment is out of scope we will change this sentence to read 'Each of the …' and in subclause 73.11.4.2 DT4 "transition" to "a transition".

In addition the text '.. an even-numbered DME position ..', to read '.. an even-numbered transition position ..'.

Cl **73**   *SC* **73.6.2**   *P* **458**   *L* **50**   # 78
Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **R**
No point changing "logic" to "logical". If we know it's a bit, either word is pointless. The reader can form his own opinion as to whether the way the standard uses a bit is logical, arbitrary, or even perverse!

SuggestedRemedy
Do as in Clause 30 and 45: delete the "logical"s before each "one" or "zero", except when explaining how differential Manchester encoding works. Many instances. If you don't like this, go back to "logic".

Response   *Response Status*   **C**
REJECT.

The text as changed matched that published in IEEE Std 802.3ap-2007. The risk of introducing error outweighs any benefit that this change will provide.

Cl **73**   *SC* **73.6.3**   *P* **459**   *L* **5**   # 79
Dawe, Piers   Avago

Comment Type   **E**   *Comment Status*   **A**
implementor.The

SuggestedRemedy
Insert a space

Response   *Response Status*   **C**
ACCEPT.

Cl **73**   *SC* **73.6.3.1**   *P* **458**   *L* **26**   # 10
Dove, Dan   Dove Networking Solut

Comment Type   **E**   *Comment Status*   **R**
The inserted text points to the wrong figure. It poitns to 73-5 but references 73-6.

SuggestedRemedy
Change 73-5 to 73-6.

Response   *Response Status*   **C**
REJECT.

This comment was WITHDRAWN by the commenter.

Cl **73**   *SC* **73.6.7**   *P* **460**   *L* **22**   # 96
Ganga, Ilango   Intel

Comment Type   **E**   *Comment Status*   **A**
Change "logic one" to "logical one"

SuggestedRemedy
Per comment

Response   *Response Status*   **C**
ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **73**
SC **73.6.7**

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10/09/2007 14:38:55

Cl **73**　　*SC* **73.7**　　　　　　　*P* **461**　　　*L* **14**　　　# 97

Ganga, Ilango　　　　　　　　　Intel

Comment Type **E**　　*Comment Status* **A**

Merge error:

line 14: Add comma after "contained within,"

line 17: Add comma after "10GBASE-KX4,"

Also in page 462, line 13: Add comma after "CHECK state,"

Also in page 462, line 43: Add period at end of sentence after "..priority)."

page 472, line 35: Add period at end of sentence after "completed."

page 472, line 37: Add period at end of sentence after "progress."

SuggestedRemedy

Per comment

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **73**　　*SC* **73.7.4.1**　　　　　*P* **461**　　　*L* **50**　　　# 80

Dawe, Piers　　　　　　　　　Avago

Comment Type **E**　　*Comment Status* **A**

"parallel detection" here does not seem to be just the ordinary English meaning of the two words: there is quite a lot of detail over the page.

SuggestedRemedy

As in most of 28.2.3.1, change to "Parallel Detection" (7 instances here).

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **74**　　*SC* **74.11.4**　　　　　*P* **506**　　　*L* **18**　　　# 85

Dawe, Piers　　　　　　　　　Avago

Comment Type **E**　　*Comment Status* **A**

aceess

SuggestedRemedy

access (4 times)

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **74**　　*SC* **74.5**　　　　　　　*P* **490**　　　*L* **8**　　　# 99

Ganga, Ilango　　　　　　　　　Intel

Comment Type **E**　　*Comment Status* **A**

Merge error:

Page 490, line 8: Add period at the end of sentence "..PCS."

Page 500, line 12: Add comma after "is disabled,"

Page 502, line 11: Add period at the end of sentence "..next block."

SuggestedRemedy

Per comment

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **74**　　*SC* **74.7.4.7**　　　　　*P* **499**　　　*L* **53**　　　# 84

Dawe, Piers　　　　　　　　　Avago

Comment Type **E**　　*Comment Status* **A**

Can we get the footnote on the same page as its tag?

SuggestedRemedy

Remove any blank lines between Figure 74–7 and 74.7.4.7

Response　　　　　*Response Status* **C**

ACCEPT IN PRINCIPLE.

This text has now been deleted, see comment #83.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER:　Clause, Subclause, page, line

Cl **74**
SC **74.7.4.7**

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Cl **74**   *SC* **74.7.4.7**   *P* **499**   *L* **53**   # 83

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status* **A**

"Figure 74–8 than the text described in this subclause"

SuggestedRemedy

"Figure 74–8, rather than the text of this subclause" ? Or, "Figure 74–8, which takes precedence over the text of this subclause"

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

The note will be deleted as it is redundant - see 74.10.1 'State diagram conventions' which states 'Should there be a discrepancy between a state diagram and descriptive text, the state diagram prevails.'.

Cl **74A**   *SC* **74A.2**   *P* **611**   *L* **48**   # 119

Ganga, Ilango   Intel

Comment Type   **E**   *Comment Status* **A**

merge error:

Fix typo "described"

Change "32bit" to "32 bit"

SuggestedRemedy

Response   *Response Status* **C**

ACCEPT.

Cl **74A**   *SC* **74A.3**   *P* **612**   *L* **27**   # 120

Ganga, Ilango   Intel

Comment Type   **E**   *Comment Status* **A**

Merge error (This change was done during publication of 802.3ap but missed during merge):

Rephrase sentence as follows:
"Table 74A–3 provides the data stream at the output of the FEC (2112, 2080) encoder.."

SuggestedRemedy

As per comment

Response   *Response Status* **C**

ACCEPT.

Cl **99**   *SC* **99**   *P* **141**   *L*   # 15

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status* **A**

Two blank pages

SuggestedRemedy

Remove

Response   *Response Status* **C**

ACCEPT.

Cl **A**   *SC* **A**   *P* **646**   *L* **3**   # 26

Dawe, Piers   Avago

Comment Type   **E**   *Comment Status* **R**

If instead of Annex A
(informative)
 Bibliography the title were all on one line, it would show up correctly in the bookmarks, as well as removing some wasted space

SuggestedRemedy

Discuss with staff editor. Can we use "Annex A (informative) Bibliography " or (my preference) "Annex A Bibliography (informative)"?

Response   *Response Status* **C**

REJECT.

We are following the style manual [http://standards.ieee.org/guides/style/2007_Style_Manual.pdf#Page=54].

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written   C/closed   U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **A**
SC **A**

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