Cl **00**   *SC* **0**   *P* **0**   *L* **0**   # 1

COORDINATION, EDITORIAL

Comment Type **GR**   *Comment Status* **A**

Many of the gray-scaled lines in the figures appear to be very light in the PDF. Suggest turnin the percentage up. See Figure 3-2 and Clause 4 for examples.

SuggestedRemedy

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

There are no greyscaled lines, they should all be 100% black. But editor will fix presentation.

Editor will confirm if we can use the solid arrowhead style throughout Fig 3-2

Also check braces in Fig 3-1

Cl **00**   *SC* **0**   *P* **0**   *L* **0**   # 3

COORDINATION, EDITORIAL

Comment Type **GR**   *Comment Status* **A**

At the time of submission to the IEEE-SASB, or just prior to publication, you will need to supp the email address for each member of the Working Group that worked on this amendment.

SuggestedRemedy

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

WG chair will provide this information

Cl **00**   *SC* **0**   *P* **0**   *L* **0**   # 113

THOMPSON, GEOFFREY O   Individual

Comment Type **GR**   *Comment Status* **A**

*** Comment submitted with the file 1340000024-FEX_comments.csv attached ***

myBallot would not accept output of ballot toolI will submit comments manuallyUpload attempt produced the following error message:Row 1: "Category" not foundRow 1: "Comment" missingRow 2: "Category" not foundRow 2: "Comment" missingRow 3: "Category" not foundRow 3: "Comment" missingRow 4: "Category" not foundRow 4: "Comment" missingRow 5: "Category" not foundRow 5: "Comment" missingRow 6: "Category" not foundRow 6: "Comment" missingRow 7: "Category" not foundRow 7: "Comment" missingRow 8: "Category" not foundRow 8: "Comment" missingRow 9: "Category" not foundRow 9: "Comment" missingRow 10: "Category" not foundRow 10: "Comment" missingRow 11: "Category" not foundRow 11: "Comment" missingRow 12: "Category" not foundRow 12: "Comment" missingRow 13: "Category" not foundRow 13: "Comment" missing

SuggestedRemedy

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

See comments 200-212. Resolutions copied below:

200:ACCEPT IN PRINCIPLE.

Change all instances in 1.4.127 and throughout the rest of the draft where the field names are mentioned as proper nouns to be as follows:

Destination Address
Source Address
Length/Type
MAC Client Data
Pad
Frame Check Sequence

Change all instances throughout the draft where the field names are mentioned as proper nouns to be as follows:

Preamble
Start Frame Delimiter
Extension

201: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 **00**
SC **0**

Page 1 of 35
4/22/2006 3:53:41 AM

Change to:

1.4.334 Q-tagged frame: A MAC frame with a specific Type value and has a maximum length 1522 octets. (See IEEE 802.3, 3.2.7 and IEEE 802.1Q, Annex C).

202:REJECT.

Motion to reject comment: 4-2-1

There is no consensus to make a change.

203:REJECT.

Motion to reject comment: 4-2-1

There is no consensus to make a change.

204:ACCEPT IN PRINCIPLE.

Change to:

"This clause defines the mapping between MAC service interface primitives and Ethernet packets, including the syntax and semantics of the various fields of MAC frames and the fields used to form those MAC frames into packets."

205:ACCEPT IN PRINCIPLE.

Add the following:

All three frame types use the same Ethernet frame format.

206:ACCEPT IN PRINCIPLE.

See comment 200

207:REJECT.

This addition is out of scope of 802.3. Whether or not encapsulation protocols may be used in a recursive manner is an issue for their own definition.

208:REJECT.

This comment was WITHDRAWN by the commenter.

The problem is that the new text says that the 'L/T field indicates' -- the problem is that it may not, the outer L/T field will not necessarily be a well known envelope type, thus the current tex

209:ACCEPT IN PRINCIPLE.

Change to:
"Other clauses in this standard may add optional protocol sublayers directly above the MAC that preserve the service interface to the MAC client. Any augmentations to the MAC client interface are specified in the relevant sublayer clause (e.g., clause 31)."

210:REJECT.

This text is now 3.2.8

211:ACCEPT.

212:ACCEPT.

Change sentence to:

However, they may be distinguished within the MAC client.

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 **00**
SC **0**

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Cl **00** *SC* **0** *P* **0** *L* **0** # 144

JAMES, DAVID V Individual

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

David V James, 2006Apr14 - Review comments for 802.3as

In general, read the IEEE Style Manual strive forconsistcy

In specific:

1) Titles are too long and wrap in the table of contents;make them shorter (these are titles, no paragraphs)Page 9:61,65

2) Capitalize only proper nouns:Page 9:Operations, Administration, and Maintenance (OAM)==>Operations, administration, and maintenance (OAM)Multi-Point Links and Forward Error Correction==>multi-point links and forward error correction5. Layer Management==>5. Layer management64.2.2.7 State Diagrams==>64.2.2.7 State diagrams

3) Figures are mixed caps and lower case.==> Be consistent, preferably not ALL CAPS, and spellfield types are they are used in the text.Figure 3-1, 3-2

4) Don't confuse the reader: put the LSB on the rightand show bits transmitted right-to-left.Figure 3-1

5) State names should be consistent with constant naming.==> change STATE NAME ==> STATE_NAME, etc., as done in Figure 4A-3Figure 1-2, 31-4, 31B-1, 64-10, 64-11, 64-12, 64-15, 64-16,64-17, 64-18, 64-25, 64-27

6) Don't use Pascal or pseudo code with pseudo-definitions.Page 25, 37, 39, 40,

7) Be consistentdestination address, DA, DESTINATION ADDRESSlengthOrType, LENGTH/TYPE, Length/Type

8) Consistent font size in figures, prefer 8-pt Arial:Figure 64-6, 64-7, 64-8, 64-23, 64-26

SuggestedRemedy

Response *Response Status* **C**

ACCEPT IN PRINCIPLE.

1) AIP - Changing the clauses titles referenced is not in scope of this Amd. Will modify Claus 3 title to put strikeout and new title on separate lines
2) Reject - Changing these capitalizations is not in the scope of the this Amd.
3) AIP -- Change lowercase on left in figure to all CAPS
4) Reject - the rationale for this change is not clear
5) AIP - ensure changed figures are aligned with the state names in their respective clauses. This Amd will not be doing a global state name alignment.

6) Reject - Remedy is not clear.
7) AIP - the goal is to be consistent per comment 200, but no changes will be made to figures
8) Reject - the font size differences are helpful for the reader in these figures

Cl **00** *SC* **0** *P* **0** *L* **0** # 2

COORDINATION, EDITORIAL

Comment Type **GR** *Comment Status* **A**

Please provide separate eps or TIFF files for any figure that has not been drawn directly into this amendment using Frame.

SuggestedRemedy

Response *Response Status* **W**

ACCEPT IN PRINCIPLE.

All figures are drawn in Frame.

Cl **01** *SC* **1.3** *P* **10** *L* **22** # 13

JEFFREE, ANTHONY A Individual

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

Rather than update the reference to Q-2005, I would suggest you consider using the newly adopted convention (see 2005 style manual) where un-dated references refer to the latest revision of the standard.

SuggestedRemedy

Remove "2005".Change the opening paragraph of subclause 1.3 to the following (from the 2005 style manual):"The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references the latest edition of the referenced document (including any amendments or corrigenda) applies."

Response *Response Status* **C**

ACCEPT.

Cl **01** *SC* **1.4** *P* **10** *L* **40** # 110

GROW, ROBERT M Individual

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

Though 1.4 does have more than 100 subsections, not all inserts are guaranteed to require three digits. Also, the "xxx" may trigger certain filters.

SuggestedRemedy

Consider replacing "xxx" with "x" as has been done in other published amendments.

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 **01** *SC* **1.4** *P* **10** *L* **48** *#* **5**

MULLER, SHIMON Individual

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

Usually when we provide references to other section in the standard, we only indicate the relevant subclause.

SuggestedRemedy

Delete "IEEE 802.3" in the parenthesis.

Response *Response Status* **C**

REJECT.

Due to use of definitions in 1.4 in IEEE 100, the full reference must be used in references in this clause.

Cl **01** *SC* **1.4.127** *P* **10** *L* **30** *#* **200**

Thompson, Geoff Nortel

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

Please reverse out the change of capitalization that has been put in on the drafts for this each of the field names for the following reasons:
 1) The field labels are the proper names for each of the fields
   Proper names should be capitalized
 2) The change is unnecessary and will only confuse those who are used to the distinguished form that has been in use for over 20 years.
 3) The change is unnecessary to accomplish the scope of the PAR.
 4) The change is likely to produce additional style inconsistency across the .3 standard.
 5) This style change was proposed and the change was rejected in P802.3-REVam
 6) The change has introduced an inconsistency of capitalization within the various field label names.
 7) Consideration of this previously submitted DISAPPROVE comment is within the scope of this ballot.
 8) The rationale of ""self consistency within the opened clauses"" is a weak argument when balanced against the items above.
This is an unwanted ""service to humanity""!

SuggestedRemedy

Please delete the change of capitalization for the proper names of field names that has been put in the drafts in this clause and throughout the draft.
This will significantly reduce the size of the final draft.

Response *Response Status* **W**

ACCEPT IN PRINCIPLE.

Change all instances in 1.4.127 and throughout the rest of the draft where the field names are mentioned as proper nouns to be as follows:

Destination Address
Source Address
Length/Type
MAC Client Data
Pad
Frame Check Sequence

Change all instances throughout the draft where the field names are mentioned as proper nouns to be as follows:

Preamble
Start Frame Delimiter
Extension

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 **1.4.127**

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4/22/2006 3:53:43 AM

Cl **01**   *SC* **1.4.334**   *P* **10**   *L* **33**   # 201

Thompson, Geoff   Nortel

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

Current text (below) is misleading and insufficiently specific:
1.4.334 Q-tagged frame: A MAC frame with a single 4 octet tag in the Length/Type field and tl
first two octets of the MAC client data field, the original Length/Type field moved to the third a
fourth octets of the MAC client data field, and that has a maximum length of 1522 octets. (See
IEEE 802.3, 3.2.7 and IEEE 802.1Q, Annex C)

SuggestedRemedy

Change to:
1.4.334 Q-tagged frame: A MAC frame of the encapsulating protocol specified by EtherType
value 0x81-00. The protocol place exactly two octets after the Type field and then continues
with the Length/Type field of the encapsulated frame resulting in a frame growth of four octets
and a maximum length of 1522 octets. (See IEEE 802.3, 3.2.7 and IEEE 802.1Q, Annex C).

Response   *Response Status*   **W**

ACCEPT IN PRINCIPLE.

Change to:

1.4.334 Q-tagged frame: A MAC frame with a specific Type value and has a maximum length
1522 octets. (See IEEE 802.3, 3.2.7 and IEEE 802.1Q, Annex C).

Cl **01**   *SC* **1.4.xxx**   *P* **10**   *L* **40**   # 202

Thompson, Geoff   Nortel

Comment Type   **ER**   *Comment Status*   **R**

The term being defined is being defined as a label for a proper noun, not just a descriptive ter
therefoe it should be capitalized

SuggestedRemedy

Change ""basic frame"" to ""Basic Frame"" to distinguish the label from the description.

Response   *Response Status*   **U**

REJECT.

Motion to reject comment: 4-2-1

There is no consensus to make a change.

Cl **01**   *SC* **1.4.xxx**   *P* **10**   *L* **42**   # 26

BOOTH, MR BRAD J   Individual

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

Inserted text doesn't require an underline.

SuggestedRemedy

Remove underlines in both the basic frame and envelope frame definitions.

Response   *Response Status*   **C**

ACCEPT.

Cl **01**   *SC* **1.4.xxx**   *P* **10**   *L* **44**   # 203

Thompson, Geoff   Nortel

Comment Type   **ER**   *Comment Status*   **R**

The term being defined is being defined as a label for a proper noun, not just a descriptive ter
therefoe it should be capitalized

SuggestedRemedy

Change ""envelope frame"" to ""Envelope Frame"" to distinguish the label from the descriptior

Response   *Response Status*   **U**

REJECT.

Motion to reject comment: 4-2-1

There is no consensus to make a change.

Cl **01**   *SC* **1.4.xxx**   *P* **10**   *L* **44**   # 208

Thompson, Geoff   Nortel

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

The definition show allows an Envelope Frame to be used simply for larger payloads by virtue
the text: ""...may indicate additional encapsulation information within the MAC client data...""

SuggestedRemedy

Restrict the use of envelope frames to envelope uses by changing the above text to read:
""...indicates encapsulation information within the MAC client data...""

Response   *Response Status*   **C**

REJECT.

This comment was WITHDRAWN by the commenter.

The problem is that the new text says that the 'L/T field indicates' -- the problem is that it may
not, the outer L/T field will not necessarily be a well known envelope type, thus the current tex

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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 **01**
SC **1.4.xxx**

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4/22/2006 3:53:43 AM

Cl **02** *SC* **2.1** *P* **11** *L* **34** # 57
PARSONS, GLENN W Individual

Comment Type **E** *Comment Status* **A**
PiersDawe: clause 31

SuggestedRemedy
Clause 31

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

Cl **02** *SC* **2.1** *P* **11** *L* **34** # 209
Thompson, Geoff Nortel

Comment Type **TR** *Comment Status* **A**
The text:
""Other clauses in this standard may add optional protocol sublayers above the MAC (e.g., clause 31).""
is insufficiently precise in what is allowed that is within the scope of 802.3. This text has no restrictions whatsoever on protocol sublayers above the MAC. This text would allow sublayers that are redundant to and parallel with (for example) the bridge relay interface as contrasted with our current restriction to shims whose upper interface emulates a MAC service interface.

SuggestedRemedy
Change to:
""Other clauses in this standard may add optional protocol sublayers directly above the MAC that preserve the service interface to the MAC client. Any augmentations to the MAC client interface are specified in the relelvant sublayer clause (e.g., clause 31).""

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

Change to:
"Other clauses in this standard may add optional protocol sublayers directly above the MAC that preserve the service interface to the MAC client. Any augmentations to the MAC client interface are specified in the relevant sublayer clause (e.g., clause 31)."

Cl **02** *SC* **2.1** *P* **11** *L* **35** # 27
BOOTH, MR BRAD J Individual

Comment Type **E** *Comment Status* **A**
C in clause should be uppercase.

SuggestedRemedy
Change clause to Clause.

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

Duplicate of comment 57

Cl **02** *SC* **2.2.1** *P* **13** *L* **5** # 29
BOOTH, MR BRAD J Individual

Comment Type **ER** *Comment Status* **A**
Editing instruction doesn't apply to 2.2, and should not be used to encapsulate all of 2.2.

SuggestedRemedy
Change editing instruction to be: Change 2.2.1 as follows:Remove 2.2 heading.Remove 2.2.2 subclause.Add editing instruction before 2.2.3 to read: Change 2.2.3 and 2.2.4 as follows:

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

The current instruction is clear to the reader. No changes will be made in this draft. Where there is overlap with other amendments we will make instructions more precise.

These issues will be fixed by the publication editor if required for IEEE style.

Cl **02** *SC* **2.2.2** *P* **13** *L* **20** # 112
GROW, ROBERT M Individual

Comment Type **E** *Comment Status* **A**
"Service to humanity." Update reference.

SuggestedRemedy
The correct reference is 1.2.2.

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 **02**
SC **2.2.2**

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Cl **02**   *SC* **2.3.3**   *P* **13**   *L* **38**   # 28

BOOTH, MR BRAD J   Individual

Comment Type **ER**   *Comment Status* **R**

More information than necessary is provided as per the editing instruction.

SuggestedRemedy

Change editing instruction to read: Delete 2.3.3 and 2.3.4.Do not show deleted text with a strikethrough as that should only be used with a change instruction per the explanation on page 8.

Response   *Response Status* **W**

REJECT.

The current instruction was added to be clear to the reader -- see editor's note on page 8. No changes will be made in this draft.

Cl **02**   *SC* **2.3.3**   *P* **13**   *L* **38**   # 30

BOOTH, MR BRAD J   Individual

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

Expansion to previous comment.

SuggestedRemedy

Change editing instruction to read:Delete 2.3.3 and 2.3.4 and their corresponding subclauses

Response   *Response Status* **C**

REJECT.

See comment 28

Cl **03**   *SC* **3.1**   *P* **15**   *L* **39**   # 204

Thompson, Geoff   Nortel

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

Opening the overview with the text:
""This clause defines the mapping between MAC service interface primitives and Ethernet packets, including the syntax and semantics of the various fields of MAC frames and the fields used to encapsulate those MAC frames into packets.""
is confusing and heads people off in the wrong direction.

SuggestedRemedy

Restore the main thrust of the overview by opening with text something like:
""This clause defines the syntax and semantics of an Ethernet packet and its various fields. Specific attention is paid to additional fields or regions defined for use with type encoded encapsulating protocols.""

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

Change to:

"This clause defines the mapping between MAC service interface primitives and Ethernet packets, including the syntax and semantics of the various fields of MAC frames and the fields used to form those MAC frames into packets."

Cl **03**   *SC* **3.1**   *P* **15**   *L* **47**   # 205

Thompson, Geoff   Nortel

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

Listing the three type of frames can confuse the reader with respect to strong common underlying characteristic, i.e. that the basic format of the Ethernet packet is maintained across all 3

SuggestedRemedy

Insert the following text:
""All 3 frame types conform to the basic Ethernet packet model of addressing, type number that specifies data field organization (without regard to recursion), the data itself and a checksum.

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

Add the following:

All three frame types use the same Ethernet frame format.

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 **03**
SC **3.1**

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4/22/2006 3:53:43 AM

Cl **03**   *SC* **3.1.1**   *P* **15**   *L* **47**   # 31

BOOTH, MR BRAD J   Individual

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

Insert an editing instruction for 3.1.1 as this should not be covered by the previous 3.1 editing instruction.

SuggestedRemedy

Add editing instruction:Change 3.1.1 as follows:

Response   *Response Status* **C**

REJECT.

See comment 29

Cl **03**   *SC* **3.1.1**   *P* **15**   *L* **48**   # 14

O'HARA, ROBERT   Individual

Comment Type **GR**   *Comment Status* **R**

The replacement of "frame" with "packet" is not acceptable. The MAC layer deals with frames not packets. The use of "packet" in this document, beginning here and in all other occurrence must be corrected.

SuggestedRemedy

Undo all deletions of "frame", where it is replaced by "packet", throughout the document.

Response   *Response Status* **W**

REJECT.

There is no consensus to make this change.

The 802.3 document was inconsistent in its use of packet and frame. This Amd has made the use consistent with the clauses in its scope. The chosen use of packet and frame is consiste with 802.3 usage.

Cl **03**   *SC* **3.1.1**   *P* **15**   *L* **50**   # 206

Thompson, Geoff   Nortel

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

revert ""start frame delimiter"" to ""Start Frame Delimiter""
per GOT comment #1

SuggestedRemedy

See GOT comment #1
Fix this throughout the draft. Distinguish between descriptive use of terms and use of the term as labels of the fields of the packets/frames.
This comment applies to the rest of the draft to save the BRG from chirning through a large number of comments covering the same subject matter.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

See comment 200

Cl **03**   *SC* **3.1.1**   *P* **15**   *L* **51**   # 124

TOWNE, JEFFREY R   Individual

Comment Type **ER**   *Comment Status* **R**

inconsistent use of terms

SuggestedRemedy

change "source, a length or type" to "and source address, a length/type"

Response   *Response Status* **W**

REJECT.

This paragraph does not refer to the names of the fields, but is descriptive text.

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 **03**
SC **3.1.1**

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4/22/2006 3:53:43 AM

Cl **03**   *SC* **3.1.1**   *P* **16**   *L* **28**   # 138

GEIPEL, MICHAEL D   Individual

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

Figure 3-1 was renamed from "MAC frame format" to "Packet format".I do not believe that the PREAMBLE and SFD should be included as part of a "packet".A "frame" is usually defined as the encoding of a "packet" (datagram) on a particular link..So the frame could arguably include these eight octets, but the packet would not.Sample of references from Google:http://en.wikipedia.org/wiki/Frame_(telecommunication)http://www.tech-faq.com/packet-frame.shtmlhttp://nevali.wordpress.com/2006/03/28/building-the-networkpart-1-ethernet/http://leapforum.org/published/internetworkMobility/split/node14.htmlhttp://tcpipguide.com/free/t_MessagesPacketsFramesDatagramsandCells-2.htm..Section 3.2 then goes on to say that "A MAC frame is encapsulated in a packet by the MAC". I do not believe that th Ethernet MAC does this. A "packet" is not a PHY-layer construct..The typical distinction by usage:- Frames MUST be delivered in order of transmission.- Packets may arrive out of order...As an alternative:The inclusion of the PREAMBLE and SFD in this diagram has always seemed problematic, since it is really a PHY level construct and not part of the MAC a all. I would actually prefer that they not be mentioned in this section at all...A more consistent use of terminology:- The Ethernet MAC frame *COULD* be defined to include the PREAMBLE and SFD (although I personally do not think that it should) ...- The Ethernet PDU (Protocol Data Unit) starts at the DA. (The 802.3as effort will constrain the SDU length to be 6 2000.)- The Ethernet SDU (Service Data Unit) is the MAC payload (which is still limited to 1500 octets). IP packet data (for example) is encoded into the MAC SDU portion of Ethernet frames. [Likewise: the IP PDU includes the IP header & trailer, but the IP SDU contains its payload, like TCP, UDP, ICMP.].[Note that there is not necessarily a one-to-one relationship between higher layer packets and MAC frames. An IPv4 packet PDU may be fragmented by t the IP stack (to fit into the MAC's declared MTU) into multiple MAC SDUs.]

SuggestedRemedy

One solution:Exchange the terms "PACKET" and "FRAME" in the curly braces to the right of Figure 3-1Direct the editor to review the text for the use of these terms...Preferred alternative:Remove the PREAMBLE and SFD from this diagram and the MAC section in its entirety. Remove the use of the term "PACKET", except when needed to discuss content from higher layers, encoded in the MAC payload...Further Note:If the MAC frame MUST be defined to contain the PREAMBLE and SFD, then the standard terminology for the *data* portion may be to refer to it as the "Ethernet frame PDU", rather than introducing the ther "packets".

Response   *Response Status* **C**

REJECT.

See comment 14

Cl **03**   *SC* **3.1.1**   *P* **16**   *L* **28**   # 137

GEIPEL, MICHAEL D   Individual

Comment Type **G**   *Comment Status* **R**

Figure 3-1 was renamed from "MAC frame format" to "Packet format"I do not believe that the PREAMBLE and SFD should be included as part of a "packet".A "frame" is usually defined as the encoding of a "packet" (datagram) on a particular link.So the frame could arguably include these eight octets, but the packet would not.Sample of references from Google:http://en.wikipedia.org/wiki/Frame_(telecommunication)http://www.tech-faq.com/packet-frame.shtmlhttp://nevali.wordpress.com/2006/03/28/building-the-networkpart-1-ethernet/http://leapforum.org/published/internetworkMobility/split/node14.htmlhttp://tcpipguide.com/free/t_MessagesPacketsFramesDatagramsandCells-2.htmSection 3.2 then goes on to say that "A MAC frame is encapsulated in a packet by the MAC". I do not believe that the Ethernet MAC does this. A "PACKET" is not a PHY-layer construct.The typical distinction by usage:- Frames MUST be delivered in order of transmission.- Packets may arrive out of order.As an alternative:The inclusion of the PREAMBLE and SFD in this diagram has always seemed problematic, since it is really a PHY level construct and not part of the MAC a all. I would actually prefer that they not be mentioned in this section at all.A more consistent use of terminology:- The Ethernet MAC frame *COULD* include the PREAMBLE and SFD (although I personally do not think that it should) ...- The Ethernet SDU (Service Data Unit) starts at the DA and has length as reported via MA_DATA request/indication. (The 802.3as effort will constrain the SDU to be 64-2000.)- The Ethernet PDU (Protocol Data Unit) is the MAC payload (which is still limited to 1500 octets). IP packet data (for example) is encoded in the MAC PDU portion of Ethernet frames. [Likewise: the IP SDU includes the IP header & trailer, but the IP PDU contains its payload, like TCP, UDP, ICMP.]Note that there is not necessarily a one-to-one relationship between higher layer packets and MAC frames. An IPv4 packet SDU may be fragmented by the the IP stack (to fit into the MAC's declared MTU) into multiple MAC PDUs.

SuggestedRemedy

One solution:Exchange the terms "PACKET" and "FRAME" in the curly braces to the right of Figure 3-1Direct the editor to review the text for the use of these terms.Preferred alternative:Remove the PREAMBLE and SFD from this diagram and the MAC section in its entirety. Remove the use of the term "PACKET", except when needed to discuss content from higher layers, encoded in the MAC payload.Further:If the MAC frame MUST be defined to contain the PREAMBLE and SFD, then the standard terminology for the data portion would be to refer to it as the "Ethernet frame SDU", rather than mentioning packets.

Response   *Response Status* **C**

REJECT.

See comment 14

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 **03**
SC **3.1.1**

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4/22/2006 3:53:43 AM

Cl **03**   *SC* **3.1.1**   *P* **16**   *L* **28**   # 118
Geipel, Mike

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

Figure 3-1 was renamed from "MAC frame format" to "Packet format"I do not believe that the PREAMBLE and SFD should be included as part of a "packet".A "frame" is usually defined as the encoding of a "packet" (datagram) on a particular link.So the frame could arguably include these eight octets, but the packet would not.Sample of references from Google:http://en.wikipedia.org/wiki/Frame_(telecommunication)http://www.micro2000uk.co.uk/network_glossary.htmhttp://www.tech-faq.com/packet-frame.shtmlhttp://nevali.wordpress.com/2006/03/28/building-the-networkpart-1-ethernet/For typical use of terms: RFC 894, 1042, 2464Section 3.2 then goes on to say that "A MAC frame is encapsulated in a packet by the MAC". I do not believe that the Ethernet MAC does this. A "PACKET" is not a PHY-layer construct.As an alternative:The inclusion of the PREAMBLE and SFD in this diagram has always seemed problematic, since it is really a PHY level construct and not part of the MAC at all. I would actually prefer that they not be mentioned in this section at all.

SuggestedRemedy

Exchange the terms "PACKET" and "FRAME" in the curly braces to the right of Figure 3-1Review the text for the use of these terms.Alternative: remove the PREAMBLE and SFD from this diagram and the MAC section in its entirety. Remove the use of the term "PACKET", except when higher layers are being discussed.

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

See comment 14

Cl **03**   *SC* **3.1.2**   *P* **17**   *L* **3**   # 32
BOOTH, MR BRAD J   Individual

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

This is new inserted text and editing instruction should highlight that correctly.

SuggestedRemedy

Add editing instruction before 3.1.2:Insert 3.1.2 as follows:Remove underlines from 3.1.2.

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

See comment 28

Cl **03**   *SC* **3.1.2**   *P* **17**   *L* **12**   # 140
GEIPEL, MICHAEL D   Individual

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

Figure 3-2: "Service primitive mappings".The DATA field in this diagram is NOT the SDU from the higher layer, as indicated. It is "CLIENT DATA" which includes other other 802.1 header content also. (As defined in section 3.2.7 and pictured in section 3-1.).BTW: how is additional 802.1 header information communicated that is part of "client data" but not part of the SDU? Is this through the MA_CONTROL service?.According to the project scope (answer 13 from the PAR form):... "while preserving the original MAC service data unit."Presumably, this refers to higher layer data transport with max value of MTU = 1500.

SuggestedRemedy

On the left side of Figure 3-2, replace "DATA" with "CLIENT DATA".Insert glossary items to clearly distinguish between:- MAC Cient Data with length up to 1982 octets- MAC Service Data Unit with length up to 1500 octets

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

Change 'DATA' in figure to 'MAC CLIENT DATA'

MAC Client Data and MAC SDU are defined in 3.2.7

Cl **03**   *SC* **3.2.2**   *P* **17**   *L* **52**   # 125
TOWNE, JEFFREY R   Individual

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

SuggestedRemedy

change "frame." to "frame follows immediately after the SFD."

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

Change to:

It immediately follows the preamble pattern. A MAC frame starts immediately after the SFD.

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 **03**
SC **3.2.2**

Page 10 of 35
4/22/2006 3:53:44 AM

Cl **03**   *SC* **3.2.3.1**   *P* **18**   *L* **25**   # 33

BOOTH, MR BRAD J   Individual

Comment Type **ER**   *Comment Status* **R**

The change is very minor and should be more specific to permit removal of unchanged text.

SuggestedRemedy

Change editing instruction to read:Change second paragraph of 3.2.3.1 as follows:Remove first and third paragraphs as they are unchanged.

Response   *Response Status* **W**

REJECT.

See comment 29

Cl **03**   *SC* **3.2.6**   *P* **19**   *L* **1**   # 139

GEIPEL, MICHAEL D   Individual

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

According to the PAR form, question 13 "Scope of Proposed Project":."Specify the IEEE 802.3 frame format when optional envelope information is present while preserving the origina MAC service data unit.".In WG documents such as:http://ieee802.org/3/as/public/802_3as_objectives_0411.pdfIt has been indicated that the MTU remains 1500 (not including additional header information). This has also been repeatec communicated as such in liason documents..It is not clear to me where this is mentioned!There is a new "maxBasicDataSize" value defined on page 25/38, but it does not appear to be used for the "envelope frame" format.The "exceedsMaxLength" indication is for the frame being too long, not the SDU. (The "lengthError" is for L/T value as length.)

SuggestedRemedy

Please provide text that limits the MAC SDU length to 1500.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

The MAC service data unit (SDU) cannot be enforced to 1500.

Augment this note as follows:

The original MAC service data unit (SDU) maximum remains 1500 octets while the encapsulation protocols may add up to an additional 482 octets.

Cl **03**   *SC* **3.2.6**   *P* **19**   *L* **23**   # 126

TOWNE, JEFFREY R   Individual

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

lines 23-32 - status of values 1501-1535 is unspecified.

SuggestedRemedy

Specify interpretation/treatment of frames with L/T between 1501-1535 inclusive, e.g. say explicitly that such frames may be truncated/discarded (4.2.4.2.1) , or may be handled as vali frames except for counting per 30.3.1.1

Response   *Response Status* **W**

REJECT.

This behaviour has not been changed in this Amd.

These 'no man's land' values have unspecified behaviour and have not been controlled in the life of 802.3. Any change may render implementations needlessly non-compliant.

Cl **03**   *SC* **3.2.6**   *P* **19**   *L* **28**   # 127

TOWNE, JEFFREY R   Individual

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

correct footnote number, make consistent with footnote.

SuggestedRemedy

use consistent numbers for footnote and reference to it

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

Align to 802.3 footnote number 19

Cl **03**   *SC* **3.2.7**   *P* **19**   *L* **47**   # 72

PARSONS, GLENN W   Individual

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

PiersDawe: Here we have "up to a maximum number specified by the implementation" while c the next page we have "is determined by the particular implementation." These imply differen things.

SuggestedRemedy

Change "specified" to "determined".

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 **03**
SC **3.2.7**

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4/22/2006 3:53:44 AM

Cl **03**   *SC* **3.2.7**   *P* **19**   *L* **47**   # 75
PARSONS, GLENN W   Individual

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

PiersDawe: These two sentences amount to repetition: "Full data transparency is provided in the sense that any arbitrary sequence of octet values may appear in the MAC client data field up to a maximum number specified by the implementation of the standard that is used." and "The maximum size of the MAC client data field is determined by the particular implementation.". The second is more accurate: "octet values ... up to a maximum number specified" implies that each octet might be limited to say 0 to 127 instead of 0 to 255.

SuggestedRemedy

Change the first to "Full data transparency is provided in the sense that any arbitrary sequence of octet values may appear in the MAC client data field up to a maximum field length determined by the particular implementation." Delete the second sentence.

Response   *Response Status* **C**

ACCEPT.

Cl **03**   *SC* **3.2.7**   *P* **19**   *L* **48**   # 210
Thompson, Geoff   Nortel

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

The text proposed for deletion:
""A minimum frame size is required for correct CSMA/CD protocol operation and is specified by the particular implementation of the standard. If necessary, the data field is extended by appending extra bits (that is, a pad) in units of octets after the data field but prior to calculating and appending the FCS. The size of the pad, if any, is determined by the size of the data field supplied by the MAC client and the minimum frame size and address size parameters of the particular implementation.""
should be left in place. There is still a need to support CSMA/CD and there is no need or charter to remove the minimum size restriction.

SuggestedRemedy

Leave the text in place.

Response   *Response Status* **C**

REJECT.

This text is now 3.2.8

Cl **03**   *SC* **3.2.7**   *P* **20**   *L* **6**   # 74
PARSONS, GLENN W   Individual

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

PiersDawe: The lack of adequate information saying what is meant by "maximum" causes confusion.

SuggestedRemedy

Add further sentences: "A MAC can transmit and receives frames up to an implementation-dependent limit equal or greater to the supported maximum MAC client data field size. If Clause 5 Layer Management is implemented, frames that exceed the supported maximum MAC client data field size are counted." Or if this is not the case, add sentences that clearly say what is.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Current modified 3.2.7 paragraph:

The MAC client data field contains a sequence of octets.

Full data transparency is provided in the sense that any arbitrary sequence of octet values may appear in the MAC client data field up to a maximum field length determined by the particular implementation.

Ethernet implementations shall support at least one of three maximum MAC client data field sizes as defined below:

Add the following below the bulleted list:

If layer management is implemented, frames with a MAC client data field larger than the supported maximum MAC client data field size are counted. It is recommended that new implementations support the transmission and reception of envelope frames, c) above.

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 **03** *SC* **3.2.7** Page 12 of 35 4/22/2006 3:53:44 AM

Cl **03**   *SC* **3.2.7**   *P* **20**   *L* **7**   # 211

Thompson, Geoff   Nortel

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

Text has no effect
Change:
""..implementations may support one of three maximum MAC client data field sizes as defined below:""

SuggestedRemedy

To:
""..implementations shall support at least one of three maximum MAC client data field sizes as defined below:""

Response   *Response Status* **C**

ACCEPT.

Cl **03**   *SC* **3.2.7**   *P* **20**   *L* **9**   # 136

GEIPEL, MICHAEL D   Individual

Comment Type **G**   *Comment Status* **R**

All of the content for section 3.5 (VLAN Tagged Mac Frame) has been removed, since it is no "covered in 802.1Q".So why do we have additional text in section 3.2.7 to describe basic and VLAN tagged frames?All basic frames are legal "envelope" frames.All tagged frames are legal "envalope" frames.

SuggestedRemedy

Remove bullets (a) and (b) at line 9,10 of page 20.Remove "NOTE 2" and "NOTE 3" at lines 18-21 of page 20.

Response   *Response Status* **C**

REJECT.

Tagged frames are grandfathered. Current implementations support this and the WG does no want to remove this option.

See also response to 6 & 74.

Cl **03**   *SC* **3.2.7**   *P* **20**   *L* **10**   # 6

MULLER, SHIMON   Individual

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

I find this paragraph confusing.On line 7 the text says that "implementations may support one of three maximum MAC client data sizes". However, items b) and c) indicate "in addition to basic frames".Also, if one supports a larger frame size, isn't it obvious that it will also support a smallerframe size?

SuggestedRemedy

Delete "in addition to basic frames" for items b) and c).

Response   *Response Status* **C**

ACCEPT.

Cl **03**   *SC* **3.2.7**   *P* **20**   *L* **14**   # 103

THALER, PATRICIA A   Individual

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

It isn't clear why there is a slash between ITU-T and IETF. That makes it look like they are producing joint standards like ISO/IEC.

SuggestedRemedy

use "ITU-T or IETF"

Response   *Response Status* **W**

ACCEPT.

Cl **03**   *SC* **3.2.7**   *P* **20**   *L* **15**   # 207

Thompson, Geoff   Nortel

Comment Type **ER**   *Comment Status* **R**

Text is insuffucuently informative:
Change:
""The encapsulation protocols may use up to 482 octets.""

SuggestedRemedy

To:
""The encapsulation protocols may use up to 482 octets in a recursive manner.""

Response   *Response Status* **C**

REJECT.

This addition is out of scope of 802.3. Whether or not encapsulation protocols may be used in a recursive manner is an issue for their own definition.

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 **03**
SC **3.2.7**

Page 13 of 35
4/22/2006 3:53:44 AM

Cl **03**   *SC* **3.2.7**   *P* **20**   *L* **15**   # 104
THALER, PATRICIA A   Individual

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

With no definition of "encapsulation protocols" there is no way for one to know if one is followi
the recommendation. I realize that it is difficult to strictly define the term but it deserves some
explanation beyond citing two examples without explaining the principle. A protocol that addes
"additional prefixes and suffixes" isn't enough of a description. TCP and IP add headers to
frames but I don't think we would consider them to be encapsulation protocols when they are
the native protocol. (They would be if they were being used to create a tunnel for another
protocol.) Therefore something should be added that makes it clear this is to allow for headers
and footers that are added transparent to the original creator of the frame.

SuggestedRemedy

An encapsulation protocol is a protocol that adds a prefix or suffix or both to a frame that is
transparent to the MAC Client sending the original client data.

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

Modify Note 1, first sentence:

. . .encapsulation protocols (see 1.4.xxx Envelope frame) . . .

Cl **03**   *SC* **3.2.7**   *P* **20**   *L* **19**   # 212
Thompson, Geoff   Nortel

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

Text is out of scope for 802.3 and there is no basis to guarantee this assertion :

""However, they are mutually exclusive within the MAC client.""

SuggestedRemedy

Delete the text:
""However, they are mutually exclusive within the MAC client.""

Response   *Response Status* **C**

ACCEPT.

Change sentence to:

However, they may be distinguished within the MAC client.

Cl **03**   *SC* **3.2.7**   *P* **20**   *L* **27**   # 58
PARSONS, GLENN W   Individual

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

PiersDawe: exisiting

SuggestedRemedy

existing

Response   *Response Status* **C**

ACCEPT.

Cl **03**   *SC* **3.2.7**   *P* **20**   *L* **32**   # 59
PARSONS, GLENN W   Individual

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

PiersDawe: clause

SuggestedRemedy

subclause (twice)

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Change to:
 It is now split into 3.2.7 and 3.2.8 for MAC
client data field and pad field.

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 **03**
SC **3.2.7**

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4/22/2006 3:53:44 AM

Cl **03**   *SC* **3.2.7**   *P* **30**   *L* **11**   # 108
KIM, YONGBUM   Individual

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

802.1 requested a solution to 802.3 on ever-increasing encapsulation that upper layers useover 802.3 network. The minimum has been met, and then some.802.1ad + 4 bytes802.1AE + 32 bytes (and +32 for provider side) 802.1ah + 4 bytes provider backbone PPP+ MPLS + others = ~ 20 bytes--------------------------S. Total min. 60, max 92MACSec Caveat - 160 (instead of 32), diff of 128 bytes Caveat Total min. 188, max 220bytes.1522+220 = 1720 << 1800 bytes which is where you have high probabilitythat CSMA/CD network would pass these larger frames with +/- 3 bit FIFOs. This meet theobjectives:- 802.1 minimum expansion request- Minimal impact to existing networks and standard, etc.I *have not* seen any *technical* justification why ~2K is a good new frame size but peopleprefer it. I like to invite technical justification why it ought to be different than this ~1800byte #.Supporting Document 1--------------------/1/files/public/docs2005/liaison-dot3as-joint-0501.pdfObjectives (Pg 3)1)Preserve the IEEE 802.3 MAC data service interface 2)Preserve the basic frame format3)Maintain the maximum data field length (1500 octets) 4)Increase the maximum framesize exclusively for optional prefix and suffix fields in envelope frames 5)Redefine theTagged frame format as an envelope frame format 6)At a minimum, support:a)IEEE 802.1Q Virtual Bridged LANsb)IEEE 802.1ad Provider Bridgesc)IEEE 802.1AE MACsecd)ITU-T SG15 Ethernet transport encapsulations 7)Investigate and define the largestmaximum frame size with minimal impact to existing networks and standards And StrawPolls (Pg 4)Supporting Document 2--------------------

/3/minutes/mar04/0304_IEEE802_1_report.pdf (Pgs 3 & 4) TOPIC 1: Frame SizeExpansion Requirements (as currently known)* MACSec Secure Frame Format - 24octets (point to point), 32 octets (sharedmedium)* Provider Bridge TAG - 4 octetsSupporting Document 3-----------------------------

http://www.ieee802.org/3/frame_study/0409/braga_1_0409.pdfObservations (1), pg 12 of 19. All repeater tested accept at least 4130 byte frame.This means that repeaters tested have all better than 100 ppm clock, supporting that+/- 3 bit FIFO or deeper value was used for repeaters. Most of thefailed devices are 802.1 Bridges with Ethernet MACs ("Ethernet Switches") thatoften has hardware limit on supported lengths.

SuggestedRemedy

Change c) 1982 decimal - envelop frames ... to 1857 or N to 1808 (reasonable longword boundary andallow for the same 48 octet private and/or internal header).

Response   *Response Status* **U**
REJECT.

Based on study, the WG has agreed on 2000 octets as the new maximum frame size. There no new information to change that view.

Motion to approve: Y-6 N-1

Cl **03**   *SC* **3.2.9**   *P* **20**   *L* **54**   # 128
TOWNE, JEFFREY R   Individual

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

clarify, remove extransous words

SuggestedRemedy

change "fields" to "fields of the MAC frame", delete "which are& pad"

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

Note that pad is a protected field.

Change to:

"This value is computed as a function of the contents of the protected fields of the MAC frame the destination ..."

Cl **03**   *SC* **3.2.9**   *P* **21**   *L* **1**   # 129
TOWNE, JEFFREY R   Individual

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

remove extraneous words

SuggestedRemedy

change "preamble, SFC, FCS, and extension" to "FCS"

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

Change to:

(that is, all MAC frame fields except FCS).

Cl **03**   *SC* **3.5**   *P* **21**   *L* **29**   # 34
BOOTH, MR BRAD J   Individual

Comment Type **ER**   *Comment Status* **R**

Deleted text should not be shown.

SuggestedRemedy

Editing instruction is fine, but strikethroughs should only be used with the change instruction a per the explanation on page 8. Remove the deleted text and figure from the draft.

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

See comment 28

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 **04**   *SC* **4.2.4.2.1**   *P* **24**   *L* **27**   # 65

PARSONS, GLENN W   Individual

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

PiersDawe TR: Surprisingly, the only specific action related to maxPermittedFrameSize is Clause 5 lengthError counting.

SuggestedRemedy

In place of the stricken "and report this event as an (implementation-dependent) error.", insert new sentence "If optional Clause 5 Layer Management is implemented, such frames are counted, whether or not they are truncated".

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

It's frameTooLong counting not lengthError counting.

Insert :

If optional layer management is implemented, such frames may be counted whether or not the are truncated. They may also be reported as an implementation-dependent error.

Cl **04**   *SC* **4.2.4.2.1**   *P* **24**   *L* **27**   # 60

PARSONS, GLENN W   Individual

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

PiersDawe: This name, maxPermittedFrameSize, is misleading. The limit is actually the large frame that can go without being counted as too large, as well as being the largest that should sent. The MAC is allowed to permit larger frames, as it says here. A more accurate name help one understand the Pascal later.

SuggestedRemedy

maxCompliantFrameSize seems better, can anyone improve on that?

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Change to:

maxFrameSizeLimit

Cl **04**   *SC* **4.2.4.2.1**   *P* **24**   *L* **39**   # 66

PARSONS, GLENN W   Individual

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

PiersDawe: Shouldn't insert hyphens into variable names. And if you did, what a tError-ble place for the hyphen!

SuggestedRemedy

Take the hyphen out of "alignmen-tError".

Response   *Response Status* **C**

ACCEPT.

See comment 17

Cl **04**   *SC* **4.2.4.2.1**   *P* **24**   *L* **40**   # 17

BROWN, BENJAMIN J   Individual

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

It looks funny to see this status code split across multiple lines

SuggestedRemedy

Keep "alignmentError" together on a single line

Response   *Response Status* **W**

ACCEPT.

Cl **04**   *SC* **4.2.7.1**   *P* **25**   *L* **14**   # 142

GEIPEL, MICHAEL D   Individual

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

The encoding of VLAN tags is defined in 802.1Q.Values like "qTagPrefixSize" is no longer useful.(With the 802.1 definitions for double VLAN, this isn't necessarily correct, either.)

SuggestedRemedy

Remove all references to "qTagPrefixSize"

Response   *Response Status* **C**

REJECT.

This is grandfathered to be as defined in 802.1Q, Annex C.

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 **04**
SC **4.2.7.1**

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4/22/2006 3:53:44 AM

Cl **04**   *SC* **4.2.7.1**   *P* **25**   *L* **15**   # 67
PARSONS, GLENN W   Individual

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

PiersDawe: It seems that without the optional Clause 5 layer management, maxPermittedFrameSize and, I think, maxBasicFrameSize, maxEnvelopeFrameSize and qTagPrefixSize are not used.

SuggestedRemedy

Precede these four layers with double daggers

Response   *Response Status* **C**

REJECT.

They are referenced in the text as well as the Pascal so their use is not exclusive to layer management.

Cl **04**   *SC* **4.2.7.1**   *P* **26**   *L* **17**   # 61
PARSONS, GLENN W   Individual

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

PiersDawe: Why are the parameters present with and without layer management not in the same order?

SuggestedRemedy

If there isn't a good reason, put them in the same order each time: also in 4A and may appear Clause 5 also. Could change either the lines with double daggers or the ones without.

Response   *Response Status* **C**

REJECT.

The present order does no particular harm. In addition, this has not been modified by this project.

Cl **04**   *SC* **4.2.7.2**   *P* **26**   *L* **30**   # 7
MULLER, SHIMON   Individual

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

Although I disagree with your definitions of "frame" and "packet" I appreciate the attempt to make it consistent at least within the context of 802.3. In that respect, based on the current definitions, the names for the constants interFrameSpacing, interFrameSpacingPart1 and interFrameSpacingPart2 are no longer accurate.

SuggestedRemedy

Replace here and everywhere else in the document the names of the above constants with interPacketSpacing, interPacketSpacingPart1 and interPacketSpacingPart2.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Change as appropriate in this draft:

interFrameSpacing
to
interPacketGap

interFrameSpacingPart1
to
interPacketGapPart1

interFrameSpacingPart2
to
interPacketGapPart2

Review other instances in .3as (e.g., interFrameGap, interPacketGap) and modify as appropriate.

Cl **04**   *SC* **4.2.7.2**   *P* **26**   *L* **30**   # 18
BROWN, BENJAMIN J   Individual

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

interFrameSpacing now refers to the gap or spacing between packets, not frames

SuggestedRemedy

Replace all instances of interFrameSpacing throughout the document with interPacketSpacing and interFrameGap with interPacketGap

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

See comment 7

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 **04**
SC **4.2.7.2**

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Cl **04**   *SC* **4.2.7.2**   *P* **26**   *L* **46**   # 8
MULLER, SHIMON   Individual

Comment Type   **TR**   *Comment Status* **A**
Based on the current definition of "frame" and "packet", the change to the original text is incorrect. The variable outgoingFrame is of type Frame, and it is indeed a frame and not a packet.

SuggestedRemedy
Undo the change to the text in parenthesis to read as follows:"{The frame to be transmitted}"

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

Cl **04**   *SC* **4.2.7.4**   *P* **27**   *L* **33**   # 35
BOOTH, MR BRAD J   Individual

Comment Type   **ER**   *Comment Status* **R**
Deleted text should not be shown. Strikethroughs are only for change instructions.

SuggestedRemedy
Remove deleted text from the draft.

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

See comment 28

Cl **04**   *SC* **4.2.8**   *P* **28**   *L* **17**   # 36
BOOTH, MR BRAD J   Individual

Comment Type   **ER**   *Comment Status* **R**
Editing instruction should be broken into two instructions. Also applies to 4.2.9.

SuggestedRemedy
Change existing instruction to read:Change the first paragraph as follows:Add editing instruction before the inserted text to read:Insert the following 2 paragraphs after the first paragraph:Remove underlines from the inserted text.Make change also to 4.2.9.

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

See comment 29

Cl **04**   *SC* **4.2.8**   *P* **28**   *L* **27**   # 62
PARSONS, GLENN W   Individual

Comment Type   **T**   *Comment Status* **A**
PiersDawe: This statement "The transmitDisabled status code indicates that the transmitter is not enabled." applies only if the optional Clause 5 layer management is present.

SuggestedRemedy
We could put the statement on its own line with a double dagger, or use words: "The transmitDisabled status code (used if Layer Management is implemented) indicates that the transmitter is not enabled." Same with receiveDisabled and frameTooLong in 4.2.9.

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

Change in 4.2.8 & 4A.2.8
 "The transmitDisabled status code (if layer management is implemented) indicates that the transmitter is not enabled."

Change in 4.2.9 & 4A.2.9:
The receiveDisabled status code (if layer management is implemented) indicates that the receiver is not enabled.

The frameTooLong error code (if layer management is implemented) indicates that the last frame received had a frameSize
beyond the maximum allowable frame size.

Cl **04**   *SC* **4.2.8**   *P* **76**   *L* **1**   # 82
PARSONS, GLENN W   Individual

Comment Type   **T**   *Comment Status* **R**
PiersDawe: In base document: "if transmitEnabled then" and "else TransmitFrame :=transmitDisabled" should be preceded by double daggers

SuggestedRemedy
Per comment

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

See comment 64

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 **04**
SC **4.2.8**

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Cl **04** *SC* **4.2.9** *P* **29** *L* **6** # 76
PARSONS, GLENN W Individual

Comment Type **T** *Comment Status* **R**
PiersDawe: Why are these lines "with incomingFrame do" and line 42 "end; {With incomingFrame}" shown as not applicable if Clause 5 is absent while line 35 "else if fcsField = CRC32(incomingFrame)..." needs incomingFrame?

SuggestedRemedy
Remove two double daggers?

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

See comment 64

Cl **04** *SC* **4.2.9** *P* **29** *L* **18** # 64
PARSONS, GLENN W Individual

Comment Type **T** *Comment Status* **R**
PiersDawe: The variable exceedsMaxLength does not apply if the optional Clause 5 layer management is not present.

SuggestedRemedy
Precede line "exceedsMaxLength:..." by double dagger

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

Motion:

Defer all double dagger comments to 802.3 maintenance.

1st: Kevin Daines
2nd: Tom Dineen

room: Y: 7 N: 0 A: 1
bridge: Y: 1 N: 1 A: 0

Cl **04** *SC* **4.2.9** *P* **29** *L* **18** # 68
PARSONS, GLENN W Individual

Comment Type **E** *Comment Status* **A**
PiersDawe: "begin" is usually in italics

SuggestedRemedy
Set "begin" in italics

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

Cl **04** *SC* **4.2.9** *P* **29** *L* **18** # 63
PARSONS, GLENN W Individual

Comment Type **T** *Comment Status* **R**
PiersDawe: Per fig.4-2b and 4.2.7.1, frameTooLong does not apply if the optional Clause 5 layer management is not present, and validLength applies whether Clause 5 layer management is present or not. These inconsistencies seems to have been present in the 2000 edition.

SuggestedRemedy
Precede these lines with a double dagger: 18 "exceedsMaxLength := ...;" and 34 "if exceedsMaxLength...". Put "else" at line 35 on its own line, preceded by double dagger. Remainder of line "if fcsField = CRC32..." on its own line (no double dagger). Remove double dagger from lines 36 to 38, "if validLength then...", "else if excessBits =", ", "else status :=...".

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

See comment 64

Cl **04** *SC* **4.2.9** *P* **29** *L* **32** # 73
PARSONS, GLENN W Individual

Comment Type **T** *Comment Status* **A**
PiersDawe: Deep in the code is not the right place to give recommendations. These maxima are introduced and discussed in the previous clause.

SuggestedRemedy
Move or copy note to 3.2.7 line 21

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

See comment 74

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 **04**
SC **4.2.9**

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Cl **04**   *SC* **4.2.9**   *P* **29**   *L* **41**   # 70
PARSONS, GLENN W   Individual

Comment Type **T**   *Comment Status* **A**
     PiersDawe: DisassembleMAC

SuggestedRemedy
     Disassemble space MAC

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

Cl **04**   *SC* **4.2.9**   *P* **29**   *L* **43**   # 69
PARSONS, GLENN W   Individual

Comment Type **T**   *Comment Status* **R**
     PiersDawe: ReceiveDataDecap is the name of a function not a variable, so "ReceiveDataDec
     := status" seems wrong. Apparently it's something one can do in Pascal, but in this example it
     seems arcane and pointless.

SuggestedRemedy
     Change "ReceiveDataDecap" to "ReceiveStatus". (If you must keep it, insert the sentence use
     in Clause 5: "Note that in Pascal, assignment to a function causes the function to return
     immediately." And see another comment about this line.

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

     As written, this is correct Pascal.

Cl **04**   *SC* **4.2.9**   *P* **29**   *L* **43**   # 71
PARSONS, GLENN W   Individual

Comment Type **T**   *Comment Status* **R**
     PiersDawe: "status" seems to be calculated and ReceiveStatus returned, whether or not Clau
     5 is present.

SuggestedRemedy
     One or another or both of line 4 "var status: ReceiveStatus; {Holds receive status information}
     and line 43, "ReceiveDataDecap := status" should be without a double dagger. And see anoth
     comment.

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

     See comment 64

Cl **04**   *SC* **4.2.9**   *P* **30**   *L* **16**   # 77
PARSONS, GLENN W   Individual

Comment Type **T**   *Comment Status* **R**
     PiersDawe: This code fragment doesn't tell the whole story. As code takes precedence over
     text, need to make it complete

SuggestedRemedy
     Insert a comment line between "end" and "end; {RemovePad}": "else {behavior is unspecified}

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

     The Amd does not affect the 'no man's land' of length/type values.

     As a result, there is no need to change it in this Amd.

Cl **04**   *SC* **4.3.2**   *P* **30**   *L* **25**   # 37
BOOTH, MR BRAD J   Individual

Comment Type **ER**   *Comment Status* **R**
     Inconsistent use of editing instructions.

SuggestedRemedy
     Change editing instruction to read:Replace 4.3.2 with the following:Remove the
     strikethrough text. Remove the Insert editing instruction on page 32, line 4.

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

     See comment 29

Cl **04**   *SC* **4.3.2**   *P* **32**   *L* **8**   # 9
MARRIS, ARTHUR   Individual

Comment Type **E**   *Comment Status* **A**
     'MAC' should not be underlined

SuggestedRemedy
     remove the underlining of 'MAC'

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 **04**
SC **4.3.2**

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Cl **04**   *SC* **4.3.2.1.4**   *P* **32**   *L* **50**   # 106
THALER, PATRICIA A   Individual

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

This subclause and 4.3.2.2.4 have inaccurate titles still. The state diagram titles on the figures were corrected and these should be corrected to match. The state diagrams are for the MAC client interface, not the MAC.

SuggestedRemedy

Change the subclause title to match the name in the figure title.This will result in the subclause having the same title as the next level subclause (4.3.2.1 and 4.3.2.2 respectively) that is a problem, the subclause only has the sentence that references the figure. It could be deleted and sentence moved to the parent clause.

Response   *Response Status*   **W**

ACCEPT.

Cl **04**   *SC* **4.3.2.1.4**   *P* **32**   *L* **50**   # 105
THALER, PATRICIA A   Individual

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

This subclause and 4.3.2.2.4 have inaccurate titles still. The state diagram titles on the figures were corrected and these should be corrected to match. The state diagrams are for the MAC client interface, not the MAC.

SuggestedRemedy

Change the subclause title to match the name in the figure title.This will result in the subclause having the same title as the next level subclause (4.3.2.1 and 4.3.2.2 respectively) that is a problem, the subclause only has the sentence that references the figure. It could be deleted and sentence moved to the parent clause.

Response   *Response Status*   **W**

ACCEPT.

Cl **04**   *SC* **4.3.2.1.4**   *P* **33**   *L* **7**   # 78
PARSONS, GLENN W   Individual

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

PiersDawe: Cramped line spacing

SuggestedRemedy

Reset to normal in figs 4-7 and 4-8.

Response   *Response Status*   **C**

ACCEPT.

Cl **04**   *SC* **4.3.2.1.4**   *P* **33**   *L* **20**   # 19
BROWN, BENJAMIN J   Individual

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

I really like your solution for the calling of ReceiveFrame in figure 4-8. Can something similar be done here, where the function is called in the state then the function must return with a status before the transition to the next state is allowed?

SuggestedRemedy

Remove "TransmitStatus" from the function call within state GENERATE_TRANSMIT_FRAME and replace "UCT" in the transition from state GENERATE_TANSMIT_FRAME with "TransmitFrame:TransmitStatus" - make the same change in Figure 4A-3

Response   *Response Status*   **W**

REJECT.

The current diagram correctly reflects how the MAC works. State diagram conventions indica that you can only move to the next state when the action inside one block is complete. The transmit and receive functions are different.

Cl **04**   *SC* **4.3.2.2.4**   *P* **34**   *L* **22**   # 80
PARSONS, GLENN W   Individual

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

PiersDawe: fcsPresent) : ReceiveStatus

SuggestedRemedy

fcsPresent): ReceiveStatus

Response   *Response Status*   **C**

ACCEPT.

Cl **04**   *SC* **4.3.3**   *P* **34**   *L* **40**   # 79
PARSONS, GLENN W   Individual

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

PiersDawe: sPhysical

SuggestedRemedy

Physical

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 **04**
SC **4.3.3**

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Cl **04**   *SC* **4.4.2**   *P* **35**   *L* **37**   # 130
TOWNE, JEFFREY R   Individual

Comment Type **E**   *Comment Status* **R**
this row actually has 2 sets of numbers, included indirectly via the footnotes. Make them explicitly part of the table.

SuggestedRemedy
split into 2 rows for transmit and receive, use numbers from notes following the table.

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

This change is not in scope of this Amd.

See also comment 7

Cl **04**   *SC* **4.4.2**   *P* **36**   *L* **1**   # 131
TOWNE, JEFFREY R   Individual

Comment Type **E**   *Comment Status* **R**
make clear that these notes refer to interFrameGap rows of table 4-2, use the term consistent

SuggestedRemedy
for note 1, The transmitter must generate an interFrameGap of at least 96 bittimes or more; th receiver must accept frames with an interFrameGap of 47 bittimes or more. (Similar solution f notes 3, and 4.)

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

See comment 130

Cl **04A**   *SC* **4A.2.7.1**   *P* **37**   *L* **50**   # 132
TOWNE, JEFFREY R   Individual

Comment Type **E**   *Comment Status* **R**
and following. Why define these redundantly with 4.2.7.1

SuggestedRemedy
Refer to previous definition; define only differences here.

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

Annex 4A is a duplicate of Clause 4 with the half-duplex details removed.

Cl **04A**   *SC* **4A.4.2**   *P* **46**   *L* **8**   # 133
TOWNE, JEFFREY R   Individual

Comment Type **E**   *Comment Status* **R**
this row actually has 2 sets of numbers, included indirectly via the footnotes. Make them explicitly part of the table. This is also redundant with table 4-2 and associated notes.

SuggestedRemedy
for note 1, The transmitter must generate an interFrameGap of at least 96 bittimes or more; th receiver must accept frames with an interFrameGap of 47 bittimes or more. (Similar solution f notes 2 and 3.) Alternatively, delete table 4A-2 and associated notes to eliminate redundancy with table 4-2.

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

See comment 130

Cl **05**   *SC* **5.2.4.1**   *P* **47**   *L* **23**   # 83
PARSONS, GLENN W   Individual

Comment Type **E**   *Comment Status* **A**
PiersDawe: Variables are shared between clauses 4 (or 4A) and 5. It seems bad practice to define them twice.

SuggestedRemedy
Consider removing the duplicates from Clause 5. In any case, add a note to point out that Pascal variables are shared; maybe refer to 4.2.2.4, 4A.2.2.4.

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

See comment 134

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 **05**
SC **5.2.4.1**

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Cl **05**   *SC* **5.2.4.1**   *P* **47**   *L* **24**   # 134
TOWNE, JEFFREY R   Individual

Comment Type **G**   *Comment Status* **A**
     and line 26. Constants should be defined once.

SuggestedRemedy

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

     Delete:

     maxBasicFrameSize
     maxEnvelopeFrameSize

Cl **05**   *SC* **5.2.4.3**   *P* **47**   *L* **42**   # 41
BOOTH, MR BRAD J   Individual

Comment Type **ER**   *Comment Status* **R**
     Editing instruction can be more specific to remove unchanged text from the draft.

SuggestedRemedy
     Move editing instruction to be before procedure LayerMgmtReceiveCounters and change to
     read:Change procedure LayerMgmtReceiveCounters as follows:Remove unchanged text
     from the subclause.

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

     See comment 29

Cl **05**   *SC* **5.2.4.3**   *P* **48**   *L* **44**   # 86
PARSONS, GLENN W   Individual

Comment Type **T**   *Comment Status* **A**
     PiersDawe: As noted in other comments, "maximum allowed MAC client data size for a basic
     frame" is misleading. Also wordy.

SuggestedRemedy
     Change to "maxBasicFrameSize", as already done in 30.3.1.1.23.

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

     Change to "maxBasicDataSize" here and also page 49, line 3

Cl **05**   *SC* **5.2.4.3**   *P* **48**   *L* **44**   # 85
PARSONS, GLENN W   Individual

Comment Type **T**   *Comment Status* **A**
     PiersDawe: This is misleading: RemovePad makes all "type" frames have validLength=true so
     they don't get counted as lengthError'd

SuggestedRemedy
     Insert comment in braces: {Note that ReceiveStatus is never lengthError for an envelope fram
     and for Length/Type field values in the range between maxBasicDataSize and minTypeValue
     validLength is unspecified. See 4.2.9}

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

     Insert comment in braces after lengthError: {Note that ReceiveStatus is never lengthError for a
     type interpretation of the Length/Type field. See 4.2.9}

Cl **05**   *SC* **5.2.4.3**   *P* **48**   *L* **46**   # 10
MARRIS, ARTHUR   Individual

Comment Type **T**   *Comment Status* **A**
     The value of 'minimum unpadded MAC client data size' is not specified anywhere in
     802.3.Also I think 'unpadded' is wrong and it should read 'minimum allowed padded MAC
     client data size'.

SuggestedRemedy
     Consider changing the text to:lengthError:beginif {Length/Type field value is between 46
     and 1500 inclusive, and does not match the number of MAC client data octets received} or
     {Length/Type field value is less than 46 and the number of MAC client data octets received is
     greater than 46}also make a similar change in 30.3.1.1.23

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

     Change here and elsewhere in draft as appropriate:

     minimum unpadded MAC client data size

     to

     minimum MAC client data size that does not require padding

---

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 **05**
SC **5.2.4.3**

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Cl **05**   *SC* **5.2.4.3**   *P* **48**   *L* **50**   # 84

PARSONS, GLENN W   Individual

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

PiersDawe: Per ReceiveLinkMgmt, a minimum size frame with a bad Length/Type field value
gets counted as inRangeLengthError just as a bigger-than-minimum frame is. This looks like a
old bug.

SuggestedRemedy

Change "greater than the minimum unpadded" to "equal to or greater than the minimum
unpadded".

Response   *Response Status* **C**

REJECT.

This is an old bug, however, this is unaltered text and not in scope of this Amd.

Cl **30**   *SC* **30.2.5**   *P* **50**   *L* **19**   # 42

BOOTH, MR BRAD J   Individual

Comment Type   **ER**   *Comment Status* **R**

Incorrect editing instruction.

SuggestedRemedy

This is not a change to the table, but rather an insertion into the table.Change editing
instruction to read:Insert aMaxFrameLength into Table 30-1a after
aReadMulticastAddressList as follows:Show only the aMaxFrameLength entry in the table.

Response   *Response Status* **W**

REJECT.

See comment 29

Cl **30**   *SC* **30.2.5**   *P* **51**   *L* **12**   # 102

PARSONS, GLENN W   Individual

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

PiersDawe: To avoid confusion between the optional Optional Package and the other optiona
packages, we should avoid the spurious capitals (compare 5.2.4.3).

SuggestedRemedy

Change to (mandatory) (optional) and (conditional)

Response   *Response Status* **C**

REJECT.

The capitalization that is addressed by the comment is used in many tables not included in
P802.3as. Doing this change would introduce inconsistency within the base standard worse
than the cited problem. To change these or all the table headings is beyond the scope of the
P802.3as PAR. The commenter is requested to submit a maintenance change that if accepte
would address all of these tables in IEEE 802.3 consistently.

Cl **30**   *SC* **30.3.1.1.23**   *P* **52**   *L* **11**   # 11

MARRIS, ARTHUR   Individual

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

The value of the 'minimum unpadded MAC client data size' is not defined anywhere in 802.3.
Also I think the definition may be wrong and should be referring to padded frames.I have
submitted a similar comment against 5.2.4.3

SuggestedRemedy

Consider changing to:BEHAVIOUR DEFINED AS:A count of MAC frames received with a
Length/Type field (see 3.2.61) between 46 and 1500 inclusive, that does not match the number
of MAC client data octets received. The counter also increments for frames whose Length/Typ
field value is less than 46 and the number of MAC client data octets received is greater than 4

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

See comment 10

Cl **30**   *SC* **30.3.1.1.23**   *P* **52**   *L* **14**   # 87

PARSONS, GLENN W   Individual

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

PiersDawe: Not "between X and Y" but "between X and Y inclusive"

SuggestedRemedy

Reinstate " inclusive".

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 **30**
SC **30.3.1.1.23**

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Cl **30**   *SC* **30.3.1.1.23**   *P* **52**   *L* **14**   # **88**
PARSONS, GLENN W   Individual

Comment Type   **T**   *Comment Status*   **R**
PiersDawe: Per ReceiveLinkMgmt, a minimum size frame with a bad Length/Type field value gets counted as inRangeLengthError just as a bigger-than-minimum frame is. This looks like an old bug.

SuggestedRemedy
Change "greater than the minimum unpadded" to "equal to or greater than the minimum unpadded".

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

This is an old bug, however, this is unaltered text and not in scope of this Amd.

Cl **30**   *SC* **30.3.1.1.24**   *P* **52**   *L* **29**   # **89**
PARSONS, GLENN W   Individual

Comment Type   **T**   *Comment Status*   **A**
PiersDawe: Description is not correct

SuggestedRemedy
Change to "Depending on implementation, this might be a count of MAC frames received with Length/Type field value that is between maxBasicDataSize and minTypeValue, exclusive (see 4.2.7.1 and 4.2.9). The actual update (if any) occurs in the LayerMgmtReceiveCounters procedure (5.2.4.3)."

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

30.3.1.1.24
Change NOTE to

NOTE—Before IEEE Std 802.3x-1997, this counter was incremented by frames containing "Type" fields. Due to the modification to legitimize "Type" fields, such frames will now increment aFramesReceivedOK and this counter may only increment with a Length/Type field value that between maxBasicDataSize and minTypeValue, exclusive (see 4.2.7.1 and 4.2.9).

Cl **30**   *SC* **30.3.1.1.37**   *P* **53**   *L* **15**   # **135**
TOWNE, JEFFREY R   Individual

Comment Type   **G**   *Comment Status*   **R**
redundant specification of maxEnvelopeFrameSize (also occurs elsewhere - search for "2000"

SuggestedRemedy
Define numeric value once, refer to the definition subsequently.

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

This constant is only defined once in the Pascal, all other instances are present for the reader convenience.

Cl **30**   *SC* **30.4.3.1.8**   *P* **53**   *L* **53**   # **146**
SRINIVASAN, MANIKANTAN   Individual

Comment Type   **ER**   *Comment Status*   **A**
"aFrameTooLong" to be changed to "aFramesTooLong"

SuggestedRemedy
To correct as "aFramesTooLong"

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

Cl **30A**   *SC* **30A.1.1**   *P* **54**   *L* **24**   # **91**
PARSONS, GLENN W   Individual

Comment Type   **E**   *Comment Status*   **A**
PiersDawe: obejct

SuggestedRemedy
object

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 **30A**
SC **30A.1.1**

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Cl **30A**   *SC* **30A.1.1**   *P* **54**   *L* **24**   # 90
PARSONS, GLENN W   Individual

Comment Type **E**   *Comment Status* **A**
PiersDawe: subclasue

SuggestedRemedy
subclause (5 times)

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

Cl **30A**   *SC* **30A.1.1**   *P* **54**   *L* **25**   # 43
BOOTH, MR BRAD J   Individual

Comment Type **ER**   *Comment Status* **R**
Editing instruction can be more explicit to remove unchanged text.

SuggestedRemedy
Change editing instruction to read:Change pOptional PACKAGE of the first managed object class of subclause 30A.1.1 as follows:Remove unchanged text around pOptional PACKAGE.

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

See comment 29

Cl **30A**   *SC* **30A.1.2**   *P* **56**   *L* **20**   # 114
LAW, DAVID J   Individual

Comment Type **G**   *Comment Status* **R**
Typo.

SuggestedRemedy
EQUALITY.ORDERING should read EQUALITY, ORDERING

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

This comment was WITHDRAWN by the commenter.

Cl **30A**   *SC* **30A.1.2**   *P* **56**   *L* **20**   # 92
PARSONS, GLENN W   Individual

Comment Type **T**   *Comment Status* **A**
PiersDawe: Assuming that ??? is to become an OID value

SuggestedRemedy
Choose an OID value, remove editor's note

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

See comment 119

Cl **30A**   *SC* **30A.1.2**   *P* **57**   *L* **23**   # 119
LAW, DAVID J   Individual

Comment Type **TR**   *Comment Status* **A**
The registration arc should have been included in the Sponsor ballot draft. The new attribute amaxframeLength has been allocated the arc 1.0.8802.3.30.7.357 as recorded at the followin URL:http://www.ieee802.org/3/arcs/802dot3_reg_arcs.pdf

SuggestedRemedy
aMaxFrameLength(???) should read aMaxFrameLength(357)

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

Cl **30B**   *SC* **30B.2**   *P* **57**   *L* **25**   # 116
LAW, DAVID J   Individual

Comment Type **T**   *Comment Status* **A**
The label used in annex 30A has to match the one defined in 30B.

SuggestedRemedy
'MaxFrameLength List' should read 'MaxFrameLengthList'

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 **30B**
SC **30B.2**

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Cl **30B**   *SC* **30B.2**   *P* **57**   *L* **31**   # 115
LAW, DAVID J   Individual

Comment Type **E**   *Comment Status* **A**
Typo.

SuggestedRemedy
"envelopeFrame (4)," should read "envelopeFrame (4)"

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

Cl **30B**   *SC* **Annex 30B**   *P* **57**   *L* **26**   # 143
GEIPEL, MICHAEL D   Individual

Comment Type **T**   *Comment Status* **R**
The definition of MaxFrameLength List is an enumerated value..But there is no requirement that these be the only allowable max values..In section 43B.2 there is even an example that recommends that a max value as small as 128 octets. (page 73, line 38)

SuggestedRemedy
Change the definition of "MaxFrameLength" to be an unsigned value -- the actual value for ma frame length. (1518, 1522, 2000)

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

Allowing the implementation to indicate its maximum supported value is not the purpose of MaxFrameLength

---

Cl **31**   *SC* **31.3**   *P* **59**   *L* **43**   # 147
SRINIVASAN, MANIKANTAN   Individual

Comment Type **ER**   *Comment Status* **A**
aMaxFrameLength(???) to be appropriately filled

SuggestedRemedy
Suitable value based on Section 30.3.1.1.37 needs to be placed here

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

See comment 119

Cl **31**   *SC* **31.3.1**   *P* **60**   *L* **20**   # 44
BOOTH, MR BRAD J   Individual

Comment Type **E**   *Comment Status* **A**
Inserted text doesn't require underline.

SuggestedRemedy
Remove underlines from 31.3.1 and 31.3.2.

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

Cl **31**   *SC* **31.3.1.2**   *P* **60**   *L* **33**   # 12
MARRIS, ARTHUR   Individual

Comment Type **T**   *Comment Status* **R**
Should the source_address be a parameter to the MA_CONTROL.request primitive?

SuggestedRemedy
Add source_address to the parameter list.

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

Source address is omitted as the MAC sublayer adds it. See 31B.3.1

Cl **31**   *SC* **31.5.3.3**   *P* **63**   *L* **1**   # 45
BOOTH, MR BRAD J   Individual

Comment Type **ER**   *Comment Status* **R**
Deleted text should not be shown with a strikethrough.

SuggestedRemedy
Remove deleted text from the draft.

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

See comment 28

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 **31**
SC **31.5.3.3**

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Cl **31** *SC* **31.5.3.4** *P* **65** *L* **24** # 93
PARSONS, GLENN W Individual

Comment Type **E** *Comment Status* **A**
PiersDawe: Do we still use Helvetica?

SuggestedRemedy
Change Helvetica to Arial?

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

Change in Fig 31-4

Cl **31B** *SC* **31B.3.2.2** *P* **67** *L* **26** # 100
PARSONS, GLENN W Individual

Comment Type **E** *Comment Status* **A**
PiersDawe: Why say that transmitEnabled is set by *network* management (as opposed to station manangement or a switch on a panel)? 5.2.4.2 says it is set by MAC action.

SuggestedRemedy
Consider deleting "network"

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

Delete 'network'

Cl **31B** *SC* **31B.3.2.2** *P* **67** *L* **37** # 94
PARSONS, GLENN W Individual

Comment Type **E** *Comment Status* **R**
PiersDawe: Grammar

SuggestedRemedy
Change to "number of pause_quanta for which the transmitter"

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

This is not in the scope of this Amd.

Cl **31B** *SC* **31B.3.2.2** *P* **67** *L* **39** # 95
PARSONS, GLENN W Individual

Comment Type **E** *Comment Status* **A**
PiersDawe: Variable name doesn't match fig.31B-1

SuggestedRemedy
Change both to pause_timer_done (6 or 7 times)

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

Cl **31B** *SC* **31B.3.2.6** *P* **70** *L* **41** # 21
BROWN, BENJAMIN J Individual

Comment Type **TR** *Comment Status* **A**
According to bullet e) in 31B.3.1 "The frame check sequence is omitted"

SuggestedRemedy
Remove "frame_check_sequence" from state SEND CONTROL FRAME - this will match the MAC:MA_DATA.request primitives from the Clause 64 figures. There may also want to be some kind of asterisk on the "frame_check_sequence" parameters found in the MCF:MA_DATA.request primitice in the transition from state TRANSMIT READY to state SEND DATA FRAME and the MAC:MA_DATA.request primitive in state SEND DATA FRAME along with a note that states this parameter is optional

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

Remove "frame_check_sequence" from state SEND CONTROL FRAME

Cl **43B** *SC* **43B.6.2.3** *P* **74** *L* **14** # 96
PARSONS, GLENN W Individual

Comment Type **E** *Comment Status* **A**
PiersDawe: Font size

SuggestedRemedy
9 point

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 **43B**
SC **43B.6.2.3**

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Cl **4A**   *SC* **4A**   *P* **37**   *L* **1**   # 81
PARSONS, GLENN W   Individual

Comment Type **T**   *Comment Status* **A**
PiersDawe: See comments against Clause 4. The ones about double daggers don't apply as 4A assumes the presence of (part of) Clause 5.

SuggestedRemedy
See comments against Clause 4

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

Editor to make clause 4A changes as appropriate

Cl **4A**   *SC* **4A.2.4.2**   *P* **37**   *L* **30**   # 141
GEIPEL, MICHAEL D   Individual

Comment Type **T**   *Comment Status* **A**
Variable "maxUntaggedFrameSize" is no longer relevant.

SuggestedRemedy
Remove instances of "maxUntaggedFrameSize".

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

See comment 20

Cl **4A**   *SC* **4A.2.4.2**   *P* **37**   *L* **30**   # 15
ALEXANDER, THOMAS   Individual

Comment Type **E**   *Comment Status* **A**
The term "maxUntaggedFrameSize" is no longer valid.

SuggestedRemedy
Delete this word. (This is probably a simple typo or PDF generation artifact.)

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

See comment 20.

Cl **4A**   *SC* **4A.2.4.2**   *P* **37**   *L* **30**   # 20
BROWN, BENJAMIN J   Individual

Comment Type **ER**   *Comment Status* **A**
forgot to delete some text

SuggestedRemedy
add strike-through to "maxUntaggedFrameSize"

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

Cl **4A**   *SC* **4A.2.4.2**   *P* **37**   *L* **30**   # 145
SRINIVASAN, MANIKANTAN   Individual

Comment Type **ER**   *Comment Status* **A**
"maxUntaggedFrameSize" to be deleted

SuggestedRemedy
since "maxPermittedFrameSize" follows the "maxUntaggedFrameSize" it is to be removed

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

Same as comment 20

Cl **4A**   *SC* **4A.2.7.4**   *P* **39**   *L* **11**   # 38
BOOTH, MR BRAD J   Individual

Comment Type **ER**   *Comment Status* **R**
Deleted text should not be shown.

SuggestedRemedy
Change editing instruction to read:Delete 4A.2.7.4 and renumber subsequent subclauses.Remove deleted text.

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

See comment 28

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 **4A**
SC **4A.2.7.4**

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Cl **4A** *SC* **4A.2.8** *P* **40** *L* **1** # 39

BOOTH, MR BRAD J Individual

Comment Type **ER** *Comment Status* **R**

Make change as per previous comment on 4.2.8 and 4.2.9 to separate the editing instructions for 4A.2.8 and 4A.2.9.

SuggestedRemedy

See corresponding comment on 4.2.8 and 4.2.9.

Response *Response Status* **W**

REJECT.

See comment 29

Cl **4A** *SC* **4A.3.2** *P* **42** *L* **3** # 40

BOOTH, MR BRAD J Individual

Comment Type **ER** *Comment Status* **R**

Inconsistent use of editing instructions.

SuggestedRemedy

Change instruction to read:Replace 4A.3.2 as follows:Remove deleted text. Remove Insert editing instruction on page 43, line 26.

Response *Response Status* **W**

REJECT.

See comment 28, 29

Cl **4A** *SC* **4A.3.2.1.4** *P* **44** *L* **16** # 107

THALER, PATRICIA A Individual

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

Also applies to 4A.3.2.2.4. Same problem as my comment on the titles for the equivalent subclauses in Clause 4.

SuggestedRemedy

Whatever change is done in Clause 4 also needs to be applied here.

Response *Response Status* **W**

ACCEPT.

Cl **4A** *SC* **4A.4.2** *P* **46** *L* # 4

COORDINATION, EDITORIAL

Comment Type **ER** *Comment Status* **R**

There is a "Warning" box at the end of Clause 4. Suggest changing to "Caution" box.

SuggestedRemedy

Response *Response Status* **W**

REJECT.

This text has been approved and published for many years, including most recently in the 802 2005.

There is no rationale given for this change.

Cl **4A** *SC* **4A.4.2** *P* **46** *L* **20** # 16

ALEXANDER, THOMAS Individual

Comment Type **G** *Comment Status* **R**

The term "non-colliding" no longer applies to a full-duplex MAC. This is also found on line 23.

SuggestedRemedy

Remove the term.

Response *Response Status* **C**

REJECT.

See comment 117

Cl **4A** *SC* **4A.4.2** *P* **46** *L* **20** # 117

ABBOTT, JOHN S Individual

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

There are three notes for MAC parameters for 10Mb/s, 1Gb/s, and 10Gb/s. (a) should there b a note for 100Mb/s? (b) should the 3 notes have a more a parallel structure. For example the 10Mb/s note refers to "two successive non-colliding packets", 1Gb/s refers to "two non-collidir packets", and 10Gb/s referes to "two packets". Similar the three parameters give distinct explanations for possible causes of interFrameGap shrinkage.

SuggestedRemedy

(a) verify 100Mb/s note not needed(b) make wording of the three notes the same unless necessary, for clarity.

Response *Response Status* **C**

REJECT.

These changes are not in the scope of this Amd.

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 **4A**
SC **4A.4.2**

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Cl **61**   *SC* **61.2.2.7.3**   *P* **77**   *L* **23**   # 46
BOOTH, MR BRAD J   Individual

Comment Type **ER**   *Comment Status* **R**
Change instruction can be more specific.

SuggestedRemedy
Move editing instruction to before the 3rd paragraph and change to read:Change the third paragraph of 61.2.2.7.3 as follows:Remove the first two paragraphs of 61.2.2.7.3 from the draft.

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

See comment 29

Cl **64**   *SC* **64.1.3**   *P* **80**   *L*   # 123
KRAMER, GLEN   Individual

Comment Type **TR**   *Comment Status* **R**
Figure 64-3 in not consistent with Fig. 31B-1. In Figure 64-3, box marked "Clause 31 Annex" includes PAUSE state machine as shown in Figure 31B-1. PAUSE generates MAC:MA_DATA.request(), but according to 64-3, it should generate MCI:MA_DATA.request()

SuggestedRemedy
Make two diagram conistent, perhaps by using the same MAC:MA_DATA interface above and below the Control MItiplexer box in Figure 64-3.

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

This notation (of MAC:, MCF: or MCI:) is for convenience when discussing the figure. The notation is specific to a given figure which is why each figure has its own legend.

This is consistent with the use of this convention in other places in the standard.

The format of MA_DATA.request() in all instances is the same.

Cl **64**   *SC* **64.1.3**   *P* **80**   *L* **28**   # 101
PARSONS, GLENN W   Individual

Comment Type **E**   *Comment Status* **R**
PiersDawe: Is transmitEnable the same as Clause 31's transmitEnabled?

SuggestedRemedy
?

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

This is out of scope for this Amd.

Cl **64**   *SC* **64.1.3**   *P* **80**   *L* **47**   # 121
KRAMER, GLEN   Individual

Comment Type **GR**   *Comment Status* **R**
There is no description of the MCI interface anywhere in the text. This interface is only shown Fig 64-3.

SuggestedRemedy
Add description or remove this interface (Use MCF)

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

See comment 123

Cl **64**   *SC* **64.1.3**   *P* **80**   *L* **47**   # 120
KRAMER, GLEN   Individual

Comment Type **GR**   *Comment Status* **R**
There is no description of the MCI interface anywhere in the text. This interface is only shown Fig 64-3.

SuggestedRemedy
Add description or remove this interface (Use MCF)

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

See comment 123

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 **64**
SC **64.1.3**

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Cl **64** *SC* **64.1.3** *P* **80** *L* **50** # 97
PARSONS, GLENN W Individual

Comment Type **E** *Comment Status* **A**
PiersDawe: Capitals

SuggestedRemedy
Multipoint MAC Control functional block diagram

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

Cl **64** *SC* **64.2.1** *P* **81** *L* **24** # 22
BROWN, BENJAMIN J Individual

Comment Type **TR** *Comment Status* **A**
The ReceiveFrame function call had to be called before the MAC could actually receive a frame. This is still true as is shown in Figure 4-8. This was why this paragraph used to say that the Multipoint MAC Control instances generates ReceiveFrame function calls. The MAC is no responsible for generating this function call on its own and the Multipoint MAC Control simply sits back and waits for the MAC:MA_DATA.indication primitives to roll in.

SuggestedRemedy
Remove the second sentence of this paragraph. In the fourth sentence, replace "responding t with "generating". In the last sentence, remove the text "response to"

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

Cl **64** *SC* **64.2.2.** *P* **85** *L* # 122
KRAMER, GLEN Individual

Comment Type **TR** *Comment Status* **R**
Inputs to the Control Multiplexer in Fig 64-3 do not correspond to inputs to the same Control Multiplexer shown in Fig 64-8.

SuggestedRemedy
Clarify inputs to the Control Multiplexer

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

See comment 123

Cl **64** *SC* **64.2.2.4** *P* **86** *L* **3** # 47
BOOTH, MR BRAD J Individual

Comment Type **ER** *Comment Status* **R**
Delete should not use strikethrough.

SuggestedRemedy
Change editing instruction to read:Delete ReceiveFrame and TransmitFrame functions.

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

See comment 28

Cl **64** *SC* **64.2.2.7** *P* **90** *L* **6** # 23
BROWN, BENJAMIN J Individual

Comment Type **TR** *Comment Status* **A**
The MAC:MA_DATA.indication service primitive is not generated by the WAIT FOR RECEIVE state (this probably used to be a call to the ReceiveFrame function, which was generated in th state).

SuggestedRemedy
Move the MAC:MA_DATA.indication primitive to the state transitions (both of them) and "AND it with the "Length/Type" conditions that are already present. Make this same change to Figur 64-11

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

Cl **64** *SC* **64.3.3** *P* **93** *L* **44** # 24
BROWN, BENJAMIN J Individual

Comment Type **ER** *Comment Status* **A**
No need to have MCF defined in this figure as it isn't used

SuggestedRemedy
Remove reference to MCF. The same things applies to figures 64-16, 64-17, 64-18, 64-23, 64 25, 64-26, and 64-27

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 **64**
SC **64.3.3**

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Cl **64** *SC* **64.3.3.5** *P* **96** *L* **8** # 48
BOOTH, MR BRAD J Individual

Comment Type **E** *Comment Status* **A**
Underlines not required with an insert instruction.

SuggestedRemedy
Correct the spelling of "following" and remove underlines.

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

Cl **64** *SC* **64.3.4.5** *P* **99** *L* **14** # 49
BOOTH, MR BRAD J Individual

Comment Type **E** *Comment Status* **A**
Underlines not required with an insert.

SuggestedRemedy
Remove underlines.

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

Cl **64** *SC* **64.3.5.3** *P* **102** *L* **3** # 50
BOOTH, MR BRAD J Individual

Comment Type **ER** *Comment Status* **R**
Deleted text does not require strikethrough.

SuggestedRemedy
Change editing instruction to read:Delete the TransmitFrame function.Remove deleted text from the draft.

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

See comment 28

Cl **64** *SC* **64.3.5.5** *P* **102** *L* **12** # 51
BOOTH, MR BRAD J Individual

Comment Type **E** *Comment Status* **A**
Inserted text does not require underline.

SuggestedRemedy
Remove underline.

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

Cl **64** *SC* **64.4.4.4** *P* **104** *L* **10** # 99
PARSONS, GLENN W Individual

Comment Type **E** *Comment Status* **A**
PiersDawe: "Shall" is a given in a PICS

SuggestedRemedy
Change to "As in Fig 64-30"

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

Cl **64** *SC* **64.4.4.4** *P* **104** *L* **10** # 98
PARSONS, GLENN W Individual

Comment Type **E** *Comment Status* **A**
PiersDawe: Font size

SuggestedRemedy
9 point

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

Cl **65** *SC* **65.2.2.1** *P* **105** *L* **21** # 25
BROWN, BENJAMIN J Individual

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

SuggestedRemedy
Replace "dependant" with "dependent"

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 **65**
SC **65.2.2.1**

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Cl **99**   *SC* **99**   *P* **1**   *L* **30**   # 109
GROW, ROBERT M   Individual

Comment Type **E**   *Comment Status* **A**
802.3-2005 is published

SuggestedRemedy
Delete "(in publication preparation)"

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

Cl **99**   *SC* **99**   *P* **6**   *L* **19**   # 52
PARSONS, GLENN W   Individual

Comment Type **E**   *Comment Status* **A**
Piers Dawe: "individual balloting committee" as opposed to multiple balloting committees?

SuggestedRemedy
"balloting committee composed of individuals" is better but not great: perhaps "balloting committee composed of people"?

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

Balloting committees are composed of individuals or entities. In legal circles a person can be either an individual person or a corporation, so the use of person is deprecated. IEEE-SA requires that the method of balloting (individual or entity) be specified and this IEEE template text is in response to that requirement. The comment will be forwarded by the WG Chair to th publication editor for consideration by IEEE editorial staff.

Cl **99**   *SC* **99**   *P* **7**   *L* **32**   # 53
PARSONS, GLENN W   Individual

Comment Type **E**   *Comment Status* **A**
PiersDawe: Consistency

SuggestedRemedy
In the master version: change "Shift+a" to "Shift-a", change "Shft-" to "Shift-" (5 times)

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

Forwarded to the WG Chair. The keycode column is removed prior to publication.

Cl **99**   *SC* **99**   *P* **8**   *L* **21**   # 111
GROW, ROBERT M   Individual

Comment Type **E**   *Comment Status* **A**
Update note information.

SuggestedRemedy
This is an amendment to IEEE Std 802.3-2005. This is one of seven approved projects changing text in the base standard. When Sponsor ballot on this project was initiatiated, this draft had no overlap with any of the projects in ballot at that time (P802.3an, P802.3ap, P802.3aq and P802.3-2005/Cor1). Base text may need to be changed if overlapping changes are introduced any project approved prior to this amendment's approval.

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

Cl **99**   *SC* **99**   *P* **8**   *L* **34**   # 54
PARSONS, GLENN W   Individual

Comment Type **E**   *Comment Status* **A**
PiersDawe: Font size

SuggestedRemedy
remove override

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

Cl **99**   *SC* **99**   *P* **8**   *L* **43**   # 55
PARSONS, GLENN W   Individual

Comment Type **E**   *Comment Status* **A**
PiersDawe: delete d

SuggestedRemedy
deleted

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 **99**
SC **99**

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Cl **99**   *SC* **99**   *P* **9**   *L* **39**   # 56

PARSONS, GLENN W   Individual

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

PiersDawe: Clause 65's title in contents does not match title on p105. Also, there appears to
a hard carriage return in the middle of the title.

SuggestedRemedy

Fix the former, take advice about the latter

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Correct the TOC declaration to make capitalization and hyphenation consistent with the claus
on p105

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 **99**
SC **99**

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