| Ø O SC P L Comment # 113 ohn Dallesasse Emcore Corporation | CI 00 SC P 3 L 16 Comment # 156 Grow, Robert Intel |
|--|--|
| Comment Type TR Comment Status D | Comment Type ER Comment Status D |
| PICs are missing for changes to Clause 43B and 57. | Somehow, the Editorial Note got changed for this and at least one other 802.3 amendmer draft. |
| uggested Remedy Add PICS. | Suggested Remedy |
| Pesponse Response Status W PROPOSED ACCEPT IN PRINCIPLE. | The instructions about the draft are to be an EDITORIAL NOTE (e.g., see IEEE Std 802.3ak-2004). New front matter (currently in review by IEEE staff) to be provided by the WG Chair should include this fix. |
| The 802.3ah edits to 43B failed to update the PICS item SP1 in 43B.6.2.3 to 10 frames per second. This change will be made. | Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. |
| In addition, PICS entry SP3 also in 43B.6.2.3 needs to be changed to "Basic (not Tagged or Envelope) frame format" | Awaiting front matter from 802.3 WG chair |
| In addition, PICS entry PDU1 in 57.7.3.3 needs to be changed to "Frame format OAMPDUs cannot be tagged or envelope frames" | CI 00 SC P 5 L 1 Comment # 162 Grow, Robert Intel |
| C/ 00 SC P L Comment # 191 Valter Hurwitz Broadcom | Comment Type E Comment Status D Clauses (other than the first) do not need to start on a new page, and certainly not on a right hand page. |
| Comment Type TR Comment Status D P802.3as does not guarantee compatibility with existing Ethernet devices. | Suggested Remedy Consider running all changes continuously, without page breaks. |
| Response Response Status W | Response Response Status W PROPOSED REJECT. It is cleaner for clasues to start on a new page. |
| PROPOSED REJECT. P802.3as did not set out to guarantee compatibility with existing Ethernet devices. No objective states this goal. Nothing in the PAR states this goal. | Cl 00 SC P 5 L 3 Comment # Grow, Robert Intel |
| 2/ 00 SC P3 L1 Comment # 155 | Comment Type E Comment Status D |
| row, Robert Intel | The editorial history probably only needs to be included once as there is one TF editor. The same is true of the editing instructions. |
| omment Type E Comment Status D These are changes, not "Revisions". (Revision is a specific type of project and should not be used this way within an amendment project draft.) | Suggested Remedy Remove here and from following clauses. (The new front matter will provide the appropriate single location for this information.) But, if the editor wishes to track individua |
| uggested Remedy This type of title is not used in publication and could be removed. The clause title in line 29 | clause changes then by all means keep the Editor's note per clause. Response Response Status W |
| is all that is included in publication. The published TOC entries simply add "(Changes to)" to the clause/annex title. Delete the header. | PROPOSED REJECT. The editorial histroy differs for each clause and the editor would prefer to keep it until completion. |
| Fix consistently for all clauses included in the draft. | |

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 Grow, Robe | SC ert | P 9 Intel | L 36 | Comment # 153 | <i>Cl</i> 01 Booth, Bra | SC 1.3 ad | P 3 Intel | L 32 | Comment # 74 |
|-----------------------|---|---|--------------------------------|--|-----------------------------------|--|---|----------------------------|--|
| | like the striketh | Comment Status D rough and underscore for so memaker compare function. | | anged clauses are | | should be underli | Comment Status D ned. | | |
| Suggested | Remedy | | | | | <i>d Remedy</i> er comment. | | | |
| striketh If not, a | roughs and und add an Editors N | pare, the editor needs to proc erscores on changed text. ote (to be removed prior to fi d the reviewer and will not be | nal publicatio | on): | Response | | Response Status W | | |
| Response | | Response Status W | | | C/ 01 | SC 1.4 | P 3 | L 40 | Comment # 90 |
| | DSED ACCEPT | • | | | Brown, Be | enjamin | Motorola | | |
| charact | ter format that in | rscore are not produced usir cludes a colour. An editor's will not be included in the pu | note will be a | added: "Colour is only used | these | itions here are ba as basic MAC fra | Comment Status D sic frame, tagged frame and ame, tagged MAC frame and use the original names | envelope fra envelope M | me but section 3.1 refer to AC frame, respectively, |
| Barrass, Hu | | Cisco System | | | | d Remedy | Ū | | |
| Clause reflect t | rences to maxU s) must be addre the old and new er references to | Comment Status D ntaggedFrameSize (that is u essed. If necessary changes standards for frame size.ddS frame size (including the "ma | must be mae Similarly a sea | de so that the Clauses arch must be conducted | envel Response PROF | ope MAC frame" • POSED ACCEPT | MAC frame" replace "enve <i>Response Status</i> W IN PRINCIPLE. s-is and remove "MAC" form | | |
| 00 | ous changes rec | uired, I will submit further co | mments for a | all the missing references | C/ 01 Dawe, Pie | SC 1.4 | P 3 Agilent | L 40 | Comment # 117 |
| Response PROP(| OSED ACCEPT | Response Status W IN PRINCIPLE. | | | Comment I was | • • | Comment Status D ere isn't a definition of 'frame' | in the base | document. |
| The foll 35 ??? | lowing comment | s address this issue: | | | Suggeste | d Remedy | | | |
| C/ 01 Grow, Robe | SC 1.3 | P 3 Intel | L 30 | Comment # 157 | | e POSED REJECT. Iggested remedy | Response Status W | | |
| Comment 7 I doubt | | Comment Status D order things are deleted. | | | | | | | |
| Suggested | - | der" from the editing instruct | ion. | | | | | | |
| | in alphabelie of | 5 | | | | | | | |

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

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| CI 01 SC 1.4 P 3 L 40 Comment # 158 Grow, Robert Intel Intel <th>C/ 01 SC 1.4 P 3 L 44 Comment # 24 Barrass, Hugh Cisco Systems Cisco S</th> | C/ 01 SC 1.4 P 3 L 44 Comment # 24 Barrass, Hugh Cisco Systems Cisco S |
|--|--|
| Comment Type TR Comment Status D These definitions appear to be independent of the previous definitions and they sho be. Basic frame should reference 1.4.127 data frame. | Comment Type T Comment Status D |
| be. Basic frame should reference 1.4.127 data frame. Suggested Remedy "A data frame that is either length or type encoded and has a maximum length of 15 octets." &If we feel compelled to introduce "Ethernet" into the definitions it should be added to data frame and perhaps the definition should be updated to agree with clair this project. &II.4.127 data frame: For Ethernet, consists of the Destination Address Source Address, MAC Client Data, PAD (if required), and Frame Check Sequence." Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Basic Frame: "A frame that carries a Length/Type field with the Length or Type interpretation and maximum length of 1518 octets. In 1.4 replace "Ethernet frame" with "frame" Modify 1.4.127 frame: Consists of the Destination Address, Source Address, MAC C Data, Pad (if required), and Frame Check Sequence." Change data frame -> frame thoughout 802.3 C/ 01 SC 1.4 P3 L44 Comment # 116 Dawe, Piers Agilent | 3 of Suggested Remedy 3 of Remove the paragraph starting "1.4.xxx tagged frame:" from this sectiond/Add a new section that says://d"Change 1.4.334 as follows://d <strikethrough>MAC frame: A frame that contains a QTag Prefix<end strikethrough=""><underscore>frame: An Ethernet frame that is type encoded to include an IEEE 802.1Q tag in addition to the original data and has a maximum length of 1522 octets<end underscore="">"/d Response Response Status W PROPOSED ACCEPT. C/ 01 SC 1.4 P 3 L 44 Comment # 159 a Grow, Robert Intel Comment Type TR Comment Status D Should be in context of previous definitions. D</end></underscore></end></strikethrough> |
| Dawe, Piers Agilent Comment Type T Comment Status D Frames contain more than data (payload) and possible tag. Does this definition help 1.4.127 data frame: Consists of the Destination Address, Source Address, Length logical link control (LLC) Data, PAD, and Frame Check Sequence. Off topic: should have been MAC client data? Suggested Remedy If it's a useful definition, change 'original data' to 'original data frame' in this definition the next. Response Response Status PROPOSED ACCEPT IN PRINCIPLE. See comment 158 | MAC Client Data and has a maximum length of 1522 octets" |

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| C/ 01 SC 1.4 P 3 L 48 Comment # 160 Grow, Robert Intel | C/ 02 SC 2.1 P 5 L 28 Comment # 75 Booth, Brad Intel Intel |
|--|--|
| Comment Type TR Comment Status D Should be in context of previous definitions. | Comment Type ER Comment Status D Editing instruction should be an insert and should be closer to affected text. |
| Suggested Remedy A data frame that is type encoded to include additional encapsulation information within the MAC Client Data and has a maximum length of 2000 octets. Response Response Status W | Suggested Remedy Move editing instruction to after 2.1 heading. Change instruction to read: Insert new sentence at the end of the first paragraph. Remove the rest of the paragraph that has had no edits. Remove underline. |
| PROPOSED ACCEPT IN PRINCIPLE. Additional changes per comment 230: | Response Response Status W PROPOSED ACCEPT. |
| Envelope Frame: A frame that carries Length/Type field with the Type interpretation that indicates additional encapsulation information within the MAC Client Data and has a maximum length of 2000 octets. | Cl 02 SC 2.1 P 5 L 38 Comment # [227] Thaler, Pat Agilent Technologies Agilent Technologies Comment # [227] Comment Type E Comment Status D The last sentence of the paragraph is difficult to parse. |
| C/ 02 SC 2.1 P 2 L 7 Comment # [195] David V James JGG Comment Type ER Comment Status D | Suggested Remedy Perhaps make separate sentences for the case where MAC Control is present and the case where it isn't. |
| Figure callouts should all be 8-point Arial, here and throughout. The meaning of larger fonts is unclear and too distracting. Suggested Remedy 8-point Arial throughout. Response Response Status W | PROPOSED ACCEPT IN PRINCIPLE. If the MAC Control sublayer is present, the MAC client service primitives MA_DATA.request and MA_DATA.indication interface to both the MAC Control sublayer and then to the MAC. If the MAC Control sublayer is not present, the MAC client service primitives MA_DATA.request and MA_DATA.indication interface just to the MAC. |
| PROPOSED ACCEPT IN PRINCIPLE. Confirm use of single font in style manual and apply. | C/ 02 SC 2.1 P 5 L 38 Comment # 228 Thaler, Pat Agilent Technologies |
| C/ 02 SC 2.1 P 5 L 1 Comment # 152 homas Dineen Dineen Consulting Dineen Consulting Comment Type TR Comment Status D Market adoption of super frames has rendered this project obsolete and irrelevant. This has been the case for 20 years. So this project to me is the moral equivalent of trying to lock the barn door 20 years after the horse has escaped. | Comment TypeTRComment StatusDThis comment also affectsClause 31 and its annex.Having the same primitive name at two sublayers can cause ambiguity.For example, inClause 31 where the state machine usesMA_Data.indication, it could mean the primitiveon the upper interface or the lower interface.Suggested Remedy |
| Suggested Remedy Turn in the PAR and stop work. | Either create a separte primitive or add a notation to identify the instance of the primitive when there are multiple interfaces with the same primitive names present. For example, (i and (I) could be put at the end of the name to indicate the primitive instance at the upper and lower interfaces of the sublayer, respectively. |
| PROPOSED REJECT. Currently, 802.1 (with the completion of 802.1ad and 802.1AE) and 802.3 are incompatible | Response Response Status W PROPOSED 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 Page 4 of 44 9/13/2005 8:57:45 PM C/ 02 SC 2.1

| Cl 02 Brown, Benja | SC : min | 2.1 | P 5 Motor | | L 39 | Comment # | 91 |
|---|-------------|---------------|---|----------|-----------------|----------------|-------------|
| Comment Typ Extra syn | be | E | Comment Status | D | | | |
| Suggested Re reaplce "f | | • | "to both" | | | | |
| Response PROPOS See com | | | Response Status | w | | | |
| CI 02 | SC : | 2.1 | P 5 | | L 40 | Comment # | 224 |
| Squire, Matt | | | Hatte | ras Netv | works | | |
| Comment Typ The ":" is | | E ecessary | Comment Status | D | | | |
| Suggested Re Delete ":' | | dy | | | | | |
| Response PROPOS See com | | | Response Status | w | | | |
| C/ 02 Booth, Brad | SC : | 2.1 | P 6 Intel | | L 30 | Comment # | 76 |
| Comment Typ Editing in figure 2.1 | struc | E tion (an | Comment Status d previous editor's not | - | ld refer to the | figure as Figu | re 2-1, not |
| Suggested Re As per co | | | | | | | |
| Response PROPOS | SED / | ACCEPT | Response Status | w | | | |

| CI 02 | SC 2. | .1 | P 7 | | L 1 | Comment # 99 |
|-----------------------------------|--------------------------------|--|---|---------------------------------------|---------------------------------------|------------------------|
| George Cla | seman | | Micre | I Semicond | luctor | |
| Comment T Figure 2 | ••• | • | Comment Status es of 'MA_DATA. | - | d 'MA_DA | TA.indication'. |
| Suggested I Label th names. | ne primit | | en the Medium Ad | ccess Conti | rol and MA | AC Control with unique |
| | OSED A | CCEPT IN I | Response Status PRINCIPLE. | w | | |
| CI 02 | SC 2. | .1 | P 7 | | L 13 | Comment # 200 |
| Kim, Yong | | | Broad | dcom | | |
| added t flow cor MA_CC | o indica ntrol). Y NTROL | ate that MAC You could ei L.indication | C Control sublaye ther♂a) undo this | r could sou proposed c veen MAC | rce/sink M change♂b) Control an | nd MAC and look care |
| Suggested | Remedy | / | | | | |
| MA_CC | NTROL | L.indication | above. a) undo t and .request betw to be modified (if | veen MAC | Control an | id MAC and look care |
| Figure 2 | 2-1 was | EJECT. changed, n | Response Status not to show the ab ather to harmoniz | ility of the I | | rol sublayer to source |

| C/ 03 SC | P 9 | L 25 | Comment # | 163 | CI 03 | SC 2.7 | P 12 | L 25 | Comment # | 6 |
|--|---|--|--|--|--|---|---|-------------|------------------|---|
| Grow, Robert | Intel | | | | Agarwal, Pu | neet | Broadcom | | | |
| 802.3. Unfortunately, it even if some of the app on what Clause 1 defin within the base standar a data frame encapsula | Comment Status D ng with the less than crystal of worsens the current state, a propriate fixes may be viewed es as a data frame and as a d), this clause does not defin ation which is defined in 1.4 a d for this issue and justified in | nd I believe as a service backet (term e the frame s a packet. | should therefore e to humanity. ঁ s used in many c format, but rathe গৈSee separate fi | be fixed, 'Based lauses r defines | followed context encapsu <i>Suggested F</i> | riginal client by the 802. of 802.1AE r lated frame ⁶ Remedy | Comment Status D data" is not defined. For exampl 1AE encap on a frame, then wha nean the 802.1ad encapsulated ? rm "original client data". | t would the | "original client | |
| Suggested Remedy | | | | | Response | | Response Status W | | | |
| Change title to: 3. Media access contro | ol data frame encapsulation | | | | PROPO | SED ACCE | PT IN PRINCIPLE. | | | |
| Response | Response Status W | | | | Remove | the term "o | riginal client data" | | | |
| PROPOSED ACCEPT Change title to: | IN PRINCIPLE. | | | | | inal client da | ata is not intended to exceed 150 ze in the basic frame. | 0 | | |
| 3. Media Access Contr | ol (MAC) frame and packet s | pecifications | 8 | | With: | | | | | |
| Cl 03 SC 2.7 Agarwal, Puneet | P 12 Broadcom | L 21 | Comment # | 3 | The end | apsulation p | rotocols may use up to 482 octe | ts. | | |
| 0 | | | | | C/ 03 | SC 2.7 | P 12 | L 25 | Comment # | 4 |
| Comment Type TR Why are we limiting the | Comment Status D valueof N for QTAG frames | to be 1504 b | oytes? One shoul | d allow | Agarwal, Pu | | Broadcom | | | |
| similar flexiblity for the | QTAG frames as allowed for | non-QTAG f | rames (1500 or 1 | 982). | Comment Ty | | Comment Status D | | | |
| Suggested Remedy | AG frames can be 1504 or 19 | 182 | | | | | col controlled by IEEE (and is es d not mention MPLS as it is outsi | | | |
| 1 3 | | 02. | | | Suggested F | Remedy | | | | |
| Response PROPOSED REJECT. | Response Status W | | | | Take ou | t reference t | o MPLS from this line. | | | |
| | ans of grandfathering in QTa | aged frames | \$ | | Response | | Response Status W | | | |
| J | | 00 | | | PROPO | SED ACCE | PT IN PRINCIPLE. | | | |
| | | | | | to show | | ioned in the PAR. The purpose of the needs of MPLS encapsulation | | | |
| | | | | | The env required | elope frame by encapsu | e of note to read: is intended to allow inclusion of lation protocols defined by IEEE TU-T/IETF (such as MPLS). | | | |

| CI 03 SC 2.7 P 12 L 26 Comment # 5 | C/ 03 SC 3.1 P9 L 33 Comment # 164 |
|---|---|
| Agarwal, Puneet Broadcom | Grow, Robert Intel |
| Comment Type TR Comment Status D Since it seems that for "envelope" frames, 802.3 has no mechanism to ensure that the "original" client data adheres to the 1500 byte value of N, it may be worth mentioning that the encapsulating protocols (like P802.1ad etc) should enforce the original Client MTU of 1500 octets on their interface to the "original client". Suggested Remedy Change line 26, 27, 28 to read as follows after the full stop on line 26: "Use of these extra octets for other purposes by non IEEE 802 encapsulating protocols is not recommended and strongly discouraged. It is expected that the various 802 encapsulating protocols will specify their own value for the "original client" data size - preferably limited to 1500 octets". Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See response to comment 6 C/ 03 SC 3.1 P 9 L 27 Comment # [77] Booth, Brad Intel | Comment Type ER Comment Status D The overview is incorrect and adds inconsistent information. Rewrite. Suggested Remedy This clause defines the mapping between MAC service interface primitives and Ethernet data frames, including the syntax and semantics of the various components of data frames and the components used to encapsulate those frames into packets. During Ethernet's history, capabilities have been defined as additions to the original data frame to add layer 2 protocol encapsulations within the MAC client data. Three specific applications of data frames have been specified: Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Replace first paragraph with: This clause defines the mapping between MAC service interface primitives and Ethernet frames, including the syntax and semantics of the various fields of frames and the fields used to encapsulate those frames into packets. During Ethernet's history, capabilities have been defined to add layer 2 protocol |
| Comment Type ER Comment Status D Editing instruction should be closer to the affected text and only required edits should be shown. Suggested Remedy Remove first paragraph of 3.1. Move editing instruction after the 3.1 heading and change instruction to read: Change 2nd paragraph to read as follows. Response Response Status W PROPOSED ACCEPT. V | CI 03 SC 3.1 P 9 L 36 Comment # 149 Dawe, Piers Agilent Comment Type T Comment Status D Strange re-use of the word 'application', at odds with e.g. 1.1.4 or ISO seven layer model. Suggested Remedy Use another term, such as 'data field format', 'payload format'. Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See response to comment 229 Status Status Status |

| | P9 | L 36 | Comment # 229 | C/ 03 | SC 3.1 | | P 9 | L 45 | Comment # 199 |
|---|--|--------------|---------------------------|-------------|---------------------------|-----------|--|---------------|------------------------------|
| Thaler, Pat | Agilent Techno | ologies | | Kim, Yong | | | Broadcom | | |
| 51 | R Comment Status D | | | Comment T | | | Comment Status X | | |
| | snt seem like an accurate word. Usu he stack then the encapsulation prot | | | "c) An e | nvelop MA | C fram | ie" | | |
| below" but what | is below are frame types ೆ Also, the | subject was | s changed to singular so | Suggested I | • | | | | |
| the verb needs to | o change to match | | | | | | ulated" was not used in place acccurately describes what | | |
| Suggested Remedy | | | | Response | | | Response Status O | t is being a | ilowed. |
| In 3.2.7 replace ' | format is specified in this clause inc 'application modes" with "data field s | sizes" | - | Response | | | | | |
| Also change in 4 and replace. | .2.4.2.1 and 4A.2.4.2 search for othe | er incorrect | nstances of "application" | C/ 03 | SC 3.1.1 | | P 10 | L 1 | Comment # 101 |
| Response | Response Status 🛛 🛛 🛛 🖤 | | | George Clas | seman | | Micrel Semico | nductor | |
| PROPOSED AC | CEPT IN PRINCIPLE. | | | Comment T | pe T | | Comment Status D | | |
| In 3.1: | | | | As the s | ection refe | erring to | the Q-tag and frame formation | at with the C | Q-tag has been removed, it |
| | t is specified in this clause including | the followin | g three configurations: | | | | ne format should also includ ne Q-tag as well as other 80 | | |
| In 327 replace ' | application modes" with "configuration | ons" | | value in | the MAC | client d | ata would become a function | n of the fiel | d(s) inserted after the SA.I |
| | | | | | ems that th ent data a | | nal intent was to add frame | bytes for 80 | 02 use, and to keep the |
| Also change in 4 and replace "con | .2.4.2.1 and 4A.2.4.2 search for othe figuration" | er incorrect | nstances of "application" | Suggested I | | | | | |
| · · · · · · · · · · · · · · · · · · · | 0 | | • • • • | | • | field o | r fields after the SA and pric | or to the L/T | A side benefit of doing it |
| C/ 03 SC 3.1 Grow, Robert | P 9 Intel | L 42 | Comment # 165 | | | | er layers from using the extr ers as to their intended fran | | |
| , | | | | projects | | memo | | ie iomais i | |
| 21 | R Comment Status D efined in clause 1 are "basic frame", | etc. not "h | asic MAC frame" | Response | | | Response Status 🛛 🛛 🛛 🛛 🛛 🖉 | | |
| | enned in clause i are basic frame, | | | | SED REJI | ECT. | | | |
| Suggested Remedy | n list items a, b and c. | | | | | | consulted. They are conten- jects needing longer frmaes | | |
| | | | | | | | | | |
| | Response Status 🛛 🛛 🛛 🛛 🛛 🖉 | | | | | | | | |
| Delete MAC from | , | | | | | | | | |
| Delete MAC from Response PROPOSED AC | CEPT. | L 43 | Comment # 11 | | | | | | |
| Delete MAC from Response PROPOSED AC | CEPT. | | Comment # 11 | | | | | | |
| Delete MAC from Response PROPOSED AC Cl 03 SC 3.1 Barrass, Hugh | CEPT. <i>P</i> 9 Cisco Systems | | Comment # 11 | | | | | | |
| Delete MAC from Response PROPOSED AC C/ 03 SC 3.1 Barrass, Hugh Comment Type | CEPT. <i>P</i> 9 Cisco Systems | 3 | | | | | | | |
| Delete MAC from Response PROPOSED AC C/ 03 SC 3.1 Barrass, Hugh Comment Type E Note that there is | CEPT. P 9 Cisco Systems Comment Status X | 3 | | | | | | | |
| Delete MAC from Response PROPOSED AC Cl 03 SC 3.1 Barrass, Hugh Comment Type E Note that there is redundant. | CEPT. P 9 Cisco Systems Comment Status X | 3 | | | | | | | |

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

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| C/ 03 | SC | 3.1.1 | P 10 | L 28 | Comment # 169 |
|----------------------------------|-------------------------------|-------------------------------------|--|-------------------------------------|---|
| Grow, Rob | pert | | Intel | | |
| Comment | Туре | TR | Comment Status D | | |
| | | | data frame should be illustration of the second strategies of the secon | ated on this Fig | jure. Other terms need to |
| Suggested | l Reme | edy | | | |
| Chang Repla and w | ge title ce wor ith "OC | to "MAC p d "FRAME TET for th | SFD through FCS and labe backet format" " in transmission arrows wi he bit order arrow. No bits a LSB. Make corresponding | th "PACKET" fo are defined in th | or the downward arrow ne figure so change LEFT |
| Response PROF | | ACCEPT | Response Status W IN PRINCIPLE. | | |
| Chang Repla and th | ge title ce wor e bit o | to "MAC p d "FRAME rder arrow | DA through FCS and label ' acket format" " in transmission arrows wi MAC packet format | | or the downward arrow |
| | | part of cla nows the r | use to: ine fields of a packet: | | |
| | | | ket: Consists of a data fran Start Frame Delimiter, and a | | |
| <i>CI</i> 03 Dawe, Pie | | 3.1.1 | P 10 Agilent | L 36 | Comment # 146 |
| <i>Comment</i> Don't | 51 | ER hyphen or | Comment Status D dash to indicate range, bec | ause it means i | minus. |
| | ge to '4 | 6 to N OC | TETS'. Note other comment character to maxDataSize. | nts that request | t that N be changed to |
| | OSED | ACCEPT 6 to N OC | Response Status W IN PRINCIPLE. TETS'. | | |

| CI 03 | SC 3.1.1 | P 1 | 0 | L 37 | Comment # | 100 | | |
|---------------------|---|--|----------|----------------|-----------|-----|--|--|
| George Cl | aseman | Micrel Semiconductor | | | | | | |
| Comment (see | <i>Type</i> E clause 3.2.7)" | Comment Status | D | | | | | |
| Suggested (see) | • | or "(see 3.2.7)"Also | put in h | yperlink to 3. | 2.7. | | | |
| | POSED ACCEPT 3.2.7)" | Response Status IN PRINCIPLE. | w | | | | | |
| C/ 03 | SC 3.1.1 | P 1 | 0 | L 38 | Comment # | 147 | | |
| Dawe, Pie | rs | Agiler | nt | | | | | |
| Comment 3.2.7 i | <i>Type</i> E isn't a clause | Comment Status | D | | | | | |
| Suggested Delete | d Remedy e 'clause'. | | | | | | | |
| | POSED ACCEPT. omment 105 | Response Status | w | | | | | |
| C/ 03 Grow, Rot | SC 3.1.1 | P 1 Intel | 0 | L 54 | Comment # | 170 | | |
| Comment Incons | <i>Type</i> ER sistent usage of te | Comment Status erminology. | D | | | | | |
| | ninimum and maxi | mum frame size limi field through the fra | | | | | | |

frame).

Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

The minimum and maximum frame size limits in 4.4 refer to that portion of the packet from the destination address field through the frame check sequence field, inclusive (i.e., the frame).

| C/ 03 SC 3.1.1 | P 9 | L 47 | Comment # | 166 | C/ 03 SC | C 3.1.1 | P 9 | L 50 | Comment # 118 |
|--|---|----------------|------------------|---------------|---|--|---|------------------------------|---------------------------------------|
| Grow, Robert | Intel | | | | Dawe, Piers | | Agilent | | |
| Comment Type TR | Comment Status D | | | | Comment Type | Е | Comment Status X | | |
| This isn't the frame f | format, it is the packet format. | | | | | | I comes first, it would be nice w | hile you ha | ave this clause open to get |
| Suggested Remedy | | | | | | | ormat into the same order. | | |
| | AC packet formato Alternately, | | | | Suggested Rem | • | | | |
| | n, add a new figure showing the mble and SFD to the data frame | | | | Consider cr | hanging 'fra | me's source and destination' to | frame's c | lestination and source |
| same as in Clause 3 | | | indine format p | | Response | | Response Status O | | |
| Response | Response Status W | | | | | | | | |
| PROPOSED ACCER | PT IN PRINCIPLE. | | | | C/ 03 SO | C 3.1.1 | P 9 | L 55 | Comment # 168 |
| See response comm | pent 160 | | | | Grow, Robert | | Intel | | |
| · · · · · · · · · · · · · · · · · · · | | | | | Comment Type | ER | Comment Status D | | |
| C/ 03 SC 3.1.1 | P 9 | L 48 | Comment # | 78 | The word d | ata is impre | ecise. | | |
| Booth, Brad | Intel | | | | Suggested Ren | nedy | | | |
| Comment Type ER | Comment Status D | | | | Change "da | ata" to "MA | C client data". | | |
| Editing instruction fo 3.1.1. | or 3.1 shouldn't be used so broa | adly. Insert a | new editing ins | tructions for | Response | | Response Status W | | |
| Suggested Remedy | | | | | • | D ACCEPT | IN PRINCIPLE. | | |
| , | ruction after 3.1.1 to read: Cha | nae 1st sente | nce of the 1st r | oaragraph | Change "de | to" to "NAA | C aliant data" | | |
| to read as follows. F | Remove the remaining unchang | ged sentences | s from that para | agraph. | Change da | | C client data". | | |
| | instruction before the figures to e other unchanged paragraphs | | e Figure 3-1 to | read as | Change in t | he text, fig | ures and 3.27 and search for ot | her instan | ces |
| Response | Response Status W | 1011 0.1.1. | | | C/ 03 SO | C 3.1.2 | P 11 | L 1 | Comment # 79 |
| PROPOSED ACCER | • | | | | Booth, Brad | | Intel | | |
| | | | | | Comment Type | ER | Comment Status D | | styl |
| | | | Commont # | 407 | | | | | |
| | P 9 | L 49 | Comment # | 167 | | ruction for 3 | 3.1 shouldn't be used so broadly | Insert a | new editing instructions for |
| | Intel | L 49 | Comment # | 167 | Editing insti 3.1.2. | ruction for 3 | 3.1 shouldn't be used so broadly | /. Insert a | new editing instructions for |
| Grow, Robert Comment Type TR | Intel Comment Status D | L 49 | Comment # | 167 | 3.1.2. Suggested Ren | nedy | | | , , , , , , , , , , , , , , , , , , , |
| Grow, Robert <i>Comment Type</i> TR | Intel | L 49 | Comment # | 167 | 3.1.2. Suggested Ren Insert an eo | <i>nedy</i> diting instru | ction before 3.1.2 to read: Inser | t subclaus | e 3.1.2 and Figure 3-2; |
| Grow, Robert Comment Type TR The packet has nine Suggested Remedy | Intel Comment Status D fields, not the frame. | L 49 | Comment # | 167 | 3.1.2. Suggested Ren Insert an eo renumber re | <i>nedy</i> diting instru | ction before 3.1.2 to read: Inser gures in the clause. Remove u | t subclaus | e 3.1.2 and Figure 3-2; |
| Grow, Robert Comment Type TR The packet has nine Suggested Remedy | Intel Comment Status D | L 49 | Comment # | 167 | 3.1.2. Suggested Ren Insert an eo renumber re Response | <i>nedy</i> liting instru emaining fi | ction before 3.1.2 to read: Inser gures in the clause. Remove un <i>Response Status</i> W | t subclaus | e 3.1.2 and Figure 3-2; |
| Grow, Robert Comment Type TR The packet has nine Suggested Remedy Change to read: "n Response | Intel Comment Status D e fields, not the frame. nine fields of a packet:" Response Status W | L 49 | Comment # | 167 | 3.1.2. Suggested Ren Insert an eo renumber re Response | <i>nedy</i> liting instru emaining fi | ction before 3.1.2 to read: Inser gures in the clause. Remove u | t subclaus | e 3.1.2 and Figure 3-2; |
| Grow, Robert Comment Type TR The packet has nine Suggested Remedy Change to read: "n | Intel Comment Status D e fields, not the frame. nine fields of a packet:" Response Status W | L 49 | Comment # | 167 | 3.1.2. Suggested Ren Insert an eo renumber ro Response PROPOSE | nedy diting instru emaining fi D ACCEPT | ction before 3.1.2 to read: Inser gures in the clause. Remove un <i>Response Status</i> W | t subclaus nderlines f | e 3.1.2 and Figure 3-2; |
| Grow, Robert Comment Type TR The packet has nine Suggested Remedy Change to read: "n Response | Intel Comment Status D e fields, not the frame. nine fields of a packet:" Response Status W PT IN PRINCIPLE. | L 49 | Comment # | 167 | 3.1.2. Suggested Ren Insert an eo renumber ro Response PROPOSE | nedy diting instru emaining fi D ACCEPT | ction before 3.1.2 to read: Inser gures in the clause. Remove un <i>Response Status</i> W IN PRINCIPLE. | t subclaus nderlines f | e 3.1.2 and Figure 3-2; |

| C/ 03 SC 3.1.2 | P 11 | L 19 | Comment # | 204 | C/ 03 | SC 3 | 3.1.2 | P 11 | L 39 | Comment # 119 |
|-----------------------------|--|-------------|-----------------|-------------|------------------|------------------------|-----------------------|--|----------------------------|--|
| Marris, Arthur | Cadence | | | | Dawe, Pie | rs | | Agilent | | |
| Comment Type T | Comment Status D | | | | Comment | Туре | TR | Comment Status D | | |
| | and solid horizontal lines. Pres or may not be present as para text explaining this. | | | | and sp use pr | oecific re ototype/ | ference t vendor-s | t tell me what the value of the o where that information is (I o pecific types: those references | lon't want t as descrit | o register a new type or bed here are not helpful for |
| Suggested Remedy | | | | | | | | Specifically referring to P802. e of the type field? | sas. Ior the | e new envelope name |
| | e MAC client may or may not s and FCS is shown with a dotted | | and FCS. For th | is reason | Suggested | d Remea | ly | | | |
| Response PROPOSED ACCEPT | Response Status W | | | | | | | ation: as a table, a statement i to a standard. | n text, or a | clear, specific, |
| | | | | | Response | | | Response Status 🛛 🛛 🛛 🛛 🛛 🖉 | | |
| C/ 03 SC 3.1.2 | P 11 | L 22 | Comment # | 196 | PROF | POSED F | REJECT. | | | |
| Kim, Yong | Broadcom | | | | Type | fields are | e not defir | ned within 802.3. These are d | efined by h | igher layers and a |
| Comment Type TR | Comment Status D f the "EXTENSION" after FCS? | | | | | | | sts for them (see footnote at bo | | |
| | THE EXTENSION ALLEFUS? | | | | C/ 03 | SC 3 | 3.1.2 | P 11 | L 7 | Comment # 194 |
| Suggested Remedy | | | | | David V Ja | ames | | JGG | | |
| Delete or provide desc | • | | | | Comment | Туре | TR | Comment Status D | | Pub Editor |
| Response PROPOSED REJECT | Response Status W | | | | | | | e ALL CAPS, since the names text. Also, IEEE does not allow | | |
| | h of 3.3.1 (which immediately p d is used for half-duplex 1000 N | | | ns that the | Suggested | d Remea | ly | | | |
| C/ 03 SC 3.1.2 | P11 | L3 | Comment # | 171 | | ate all A excepti | | from figures, here and throug | hout.Of co | urse, formal acryonyms |
| Grow, Robert | Intel | | | | Response | | | Response Status W | | |
| Comment Type E | Comment Status D | | | | PROF | OSED A | CCEPT | IN PRINCIPLE. | | |
| Consistent usage of te | erms requested. | | | | Editor | will vori | fy publica | tion editor's resolution on CAF | 99 in figuro | s and wo will be |
| Suggested Remedy | | | | | | | ne ameno | | Siningure | |
| | mapping of service interface pa | rameters to | the data frame | fields. | | | | | | |
| Also, change "frame" i | in figure 3-2 title to "data frame' | ' <u>.</u> | | | | | | | | |
| Response | Response Status W | | | | | | | | | |
| | , | | | | | | | | | |

PROPOSED 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 9/13

Page 11 of 44 9/13/2005 8:57:45 PM C/ 03 SC 3.1.2

| C/ 03 SC 3.2.6 P 10-12 L Comment # 223 | CI 03 SC 3.2.6 P 11 L 29 Comment # 80 |
|---|--|
| Satoshi Obara Fujitsu Limited | Booth, Brad Intel |
| Comment Type TR Comment Status D | Comment Type ER Comment Status D |
| There are some confusion in Fig 3-1, 3.2.6 and 3.2.7. | Move editing instruction closer to affected text and remove unchanged text. |
| Fig 3-1 and 3.2.7 define as follows; the size of MAC client data+PAD is 46-N octets(N=1500,1504,1982). | Suggested Remedy |
| On the other hand, 3.2.6 says define as follows; | Change editing instruction to read: Change bullet a) to read as follows. Show only bullet a). Remove all other text in the subclause. |
| If the value of this field is less than or equal to 1500 decimal, then the Length/Type field indicates the number of MAC client data octets contained in the subsequent data field of | Response Response Status W |
| the frame (Length interpretation). | PROPOSED ACCEPT. |
| If somebody wants to use the protocol which uses a Maximum EnvelopeFrame(N=1982 | C/ 03 SC 3.2.6 P 11 L 36 Comment # 197 |
| octets) and does not use Type Value(like an OSI protocol),what the value of Type/Length Field in such frame should they use? | Kim, Yong Broadcom |
| In the view of not to change the interpretation method nor not to change the originaldata | |
| field length, we can resolve above issue with the changing description "frame"into "basic frame" in 3.2.6. | Comment Type T Comment Status D |
| | By adopting longer frames, MIB variables, aInRnageLengthErrors, and aOutOfRangeLengthField in Layer Mgmt (clause 5) needs an update, since those counters |
| Suggested Remedy Change 3.2.6 a) | on longer count useful events (i.e. IEEE 802.2 LLC versus Ethertype). |
| "the number of MAC client data octets contained in the subsequent data field of the | Suggested Remedy |
| frame(Length interpretation)." | Please revise the aInRnageLengthErrors, aOutOfRangeLengthField Layer Mgmt (clause 5 accordingly. |
| into | Response Response Status W |
| "the number of MAC client data octets contained in the subsequent data field of its basic frame (Length interpretation)." | PROPOSED ACCEPT IN PRINCIPLE. |
| Response Response Status W | 5.2.2.1.23 and 5.2.2.1.24 have been deprecated. |
| PROPOSED ACCEPT IN PRINCIPLE. | Instead, 30.3.1.1.23 and 30.3.1.1.24 should be updated. |
| Change 3.2.6 a) | C/ 03 SC 3.2.6 P 11 L 53 Comment # 235 |
| "the number of MAC client data octets contained in the subsequent data field of the | Thompson, Geoff Nortel |
| frame(Length interpretation)." | Comment Type ER Comment Status D |
| into | Note refers to 802a but this document is not referred to in the references |
| "the number of MAC client data octets contained in the subsequent data field of the basic | Suggested Remedy |
| frame (Length interpretation)." | Add to references |
| | Response Response Status W PROPOSED REJECT. |
| | 802a is listed in the references of the base standard (2004 edition) |

| C/ 03 SC 3.2.7 | P 12 | L 15 | Comment # 1 | 98 | C/ 03 | SC 3.2.7 | P 12 | L 18 | Comment # 145 |
|--|--|---|---|----------------------------------|--|---|--|--|---|
| Kim, Yong | Broadcom | | | | Dawe, Piers | | Agilent | | |
| Comment Type TR "one of three application there is no mode select while I understand that point, a stronger warnin (i.e. 802.1ad), it SHALL Suggested Remedy Provide mode selection services model. Response | Comment Status D n modes". How does one detrion, in fact, there is no multiple a "SHALL" cannot be placed of g such that if a conformance is be tested and rule not-comple method, or revise the text to Response Status W | e modes.ೆೆ due to the la test point ex iant. ೆ | Also, the note on ack of conformand kist for a given ap | line 24, ce test plication | Comment Ty It seems maximu relate to the data Suggested F Change Response | to me that w n size of a fra the size of th field. (See a <i>Remedy</i> maxValidFra | Comment Status D hile maxBasicFrameSize and i ame, as described in 1.4 3.1.1 le frame), maxValidFrame doe nother comment about N which me, and instances of N that me Response Status W T IN PRINCIPLE. | (frameSize s not: it defir h should be | and minFrameSize also nes the maximum size of maxValidFrame). |
| PROPOSED ACCEPT | IN PRINCIPLE. | | | | See res | oonses to cor | nments 144, 189 | | |
| | P 12 Broadcom Comment Status D interpretation, how would the basic frame" or an "envelope | | | | be suffic <i>Suggested F</i> pg. 12, I Change | pe T criptive text ir ient to just ha <i>Remedy</i> ne 18: Chang bullet b) to: "I | P 12 World Wide P Comment Status X In this bulleted list is duplicative ave the "basic frame", etc.♂ ge bullet a) to: "N=1500 decima N=1504 decimal - tagged fram envelope frames"♂♂ Response Status O | of the defin al - basic fra | mes"♂pg. 12, line 20: |
| Response PROPOSED ACCEPT | Response Status WIIN PRINCIPLE. | | | | Response | | Response Status O | | |
| Change in 4.2.9: exceedsMaxLength := . {Check to determine if r MAC implementations r maxBasicFrameSize or (maxBasicFrameSize permitted frame size. It | eceive frame size exceeds the | e maximum nvelopeFrar ger value, tl | neSize for the ma he use of a smalle | aximum er value | | | | | |

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| C/ 03 SC 3.2.7 Dawe, Piers | P 12 Agilent | L 18 | Comment # 144 | C/ 03 Thaler, Pat | SC 3.2.7 | P 12 Agilent Techno | L 18 blogies | Comment # 230 |
|--|---|--------------|----------------------------|---|---|---|-----------------|---------------|
| also being used as a (con not correct. This limit is a | Comment Status D s formerly a variable, an exa nditional) spec limit, the max already named maxValidFra | kimum size (| of the data field. This is | really de | d" The length | Comment Status D type definition doesn't refer to t ding of the frame (especially wh field but doesn't say so. | | |
| line 15: 'determine the va | 8-1, change N to maxValidFr Ilue of maxValidFrame in Fig | gure 3–1 an | | | ry a Length/T | ype field with either the Length | | • |
| 0 | 2.8 - see another comment. <i>Response Status</i> W I PRINCIPLE. | | | | | Response Status W | | |
| maxValidFrame not used Remove use of N in Figu C/ 03 SC 3.2.7 | I per response to comment 1 re 3-1 and clause 3.2.7 P 12 | 189 | Comment # 174 | add to c | , | ype field with either the Length Length/Type field with the Type 59, 160 | | • |
| Suggested Remedy "no additional tags or e Response PROPOSED ACCEPT IN | Response Status W I PRINCIPLE. | | | C/ 03 John Dalless Comment T Text sho Suggested F Eliminat Response | SC 3.2.7 asse /pe E buld read "er Remedy e "s" | P 12 Emcore Corpo Comment Status D ncapsulation" Response Status W | L 22 ration | Comment # 114 |
| "no additional tags or e | ncapsulations" | | | | SED ACCEPT | IN PRINCIPLE. | | |

| CI 03 | SC 3.2.7 | P 12 | L 22 | Comment # | 201 | |
|--------------|----------|----------|------|-----------|-----|--|
| Kim, Yong | | Broadcom | | | | |

Comment Type **TR** Comment Status **D**

I know N=1982 was controversial , and a contender for this value was the repeater max, the worst one being the 10 Mb/s system that allows for +/- 3 bit FIFO (since old max required +/- 2.4 bits) or 30,000/2/8 = 1875 bytes minus 18 byte HDR + FCS of 1857. I gave it a careful consideration and could not come up with any justification to go beyond 1875, based on any presentation I've seen (802.1 MAC SEC requirements, 802.1 Provider bridging, MPLS, PPPoE, Ethernet over IP, and some absurd combintion of the them). Based on this, I do not see the justification to obsolete the use of repeaters in an Ethernet network path.

Suggested Remedy

Change the N to 1857 or N to 1808 (reasonable longword boundary and allow for the same 48 octet private and/or internal header).

Response Response Status W

PROPOSED REJECT.

1982 is not controversial. 802.3 voted in March 2005 33-0 (motion #16) to adopt 2000 octets as the new maximum envelope frame size.

A value of 1857 does not guarantee that all repeater implementations will work.

| CI 03 | SC 3.2.7 | P 12 | L 24 | Comment # | 175 |
|--------------|----------|-------------|-------------|-----------|-----|
| Grow, Rober | t | Intel | | | |

Comment Type ER Comment Status D

```
style
```

This is a clear case where the Style Guide classifications for NOTE, CAUTION and WARNING are insufficient. While IEEE style defines a CAUTION as something where equipment may be damaged, we have additional system concerns that are different than supported by those definitions. The economic implications of violating this NOTE could cause much greater economic damage or disruption of system function than the loss of a piece of network equipment. For us, damage to data is equally worrysome as is damage to equipment might be for power engineering folk within IEEE.

Suggested Remedy

I believe this should be a caution (even though it doesn't fall within the definition for caution in the IEEE Style Manual).

A request should be made to IEEE staff to reconsider the definition of CAUTION in the IEEE Style Manual. Failing that, an exception for 802.3 should be requested for these cases. It is noted that there are boxed paragraphs in clause 4 on the same basic subject but those are WARNING (something that is supposed to be reserved for risk to life or limb. I would recommend these be converted to CAUTIONs also.

Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Consult style guide& IEEE staff for approriate label.

| C/ 03 Daines, Ke | | 3.2.7 | | P 12 orld Wide Pa | L 25 | Comment # 108 |
|---|--|--|---|-------------------------------|----------------|---|
| Comment | Туре | E 1 projects r | Comment State | us X | | e the prefix "IEEE". |
| Suggested Chang | | • | E P802.1ad, IEEI | E P802.1AE | , IEEE P802 | 2.1ah and MPLS"♂ |
| Response | | | Response Statu | ıs O | | |
| C/ 03 | | 3.2.7 | | ^{>} 12 | L 25 | Comment # 231 |
| Thaler, Pa | t | | Ag | ilent Techno | ologies | |
| Comment | ••• | TR | Comment State | | | |
| rencap | sulatio | n protocol" | is used but not o | letined exce | ept by exam | pie. |
| Suggestea | Reme | dy | | | | |
| | | | efix or suffix or b al client data. | oth to a frar | ne that is tra | ansparent to the MAC |
| Response | | | Response Statu | ıs W | | |
| PROP | OSED | REJECT. | | | | |
| | them - | | | | | where. It is not our go be carried by our enve |
| Per re | sponse | to commer | nt 4, the example | s are no lor | nger referen | ced by project. |
| C/ 03 | SC | 3.2.7 | ŀ | ⁻ 12 | L 3 | Comment # 173 |
| Grow, Rob | ert | | Inte | el | | |
| Comment | | | | | | |
| | ••• | ER /ariable usa | Comment State | us D | | |
| | sistent v | ariable usa | | us D | | |
| Incons Suggestea The "n | istent v <i>Reme</i> " numb | variable usa <i>dy</i> per of octets | age. | consistently | | below it is "N"). I thir |
| Incons <i>Suggestea</i> The "n should | istent v <i>Reme</i> " numb | variable usa <i>dy</i> per of octets | age. s should be used | consistently is a variable | | below it is "N"). I thir |
| Incons Suggestea The "n should Response | istent v <i>Reme</i> " numb l be a lo | variable usa dy per of octets ower case " | age. s should be used 'n" in italics (as it | consistently is a variable | | below it is "N"). I thin |
| Incons Suggestea The "n should Response | istent v <i>Reme</i> " numb I be a lo OSED | variable usa dy per of octets ower case " | age. s should be used n" in italics (as it <i>Response Statu</i> | consistently is a variable | | below it is "N"). I thin |

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

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| C/ 03 SC 3.2.7 P 12 L 3 Squire, Matt Hatteras Networks | Comment # 225 | C/ 03 SC 3.2.7 Dawe, Piers | P 12 Agilent | L 33 | Comment # 120 |
|---|------------------------|---|--|--------------|--------------------|
| Comment Type E Comment Status X Most of the page uses "N" instead of "n" except for here. | | | <i>Comment Status</i> D This quantity does not app 12.4.3.2.5. Is it the same a | | |
| Suggested Remedy Replace "n" with "N" | | Suggested Remedy | 12.4.0.2.0. 13 it the same a | | |
| Response Response Status O | | Sort out. Response | Response Status W | | |
| C/ 03 SC 3.2.7 P12 L3 | Comment # 92 | PROPOSED ACCEPT I maxFrameSize was a ty | | | |
| Brown, Benjamin Motorola | | Delete sentence: | | | |
| Comment Type E Comment Status X lowercase "n" used in the text while uppercase "N" used in figure 3 | 3-1 and on line 15 and | | size of the data field is max | FrameSize - | (2 × addressSize + |
| nearly everywhere else this parameter is referenced | | C/ 03 SC 3.2.8 | P 12 | L 18 | Comment # 150 |
| Suggested Remedy | | Dawe, Piers | Agilent | | |
| replace "n" with "N" | | Comment Type ER | Comment Status D | | |
| Response Response Status O | | | just twice in 3.2.8 and once in 3.2.9 is different). If it has them in italics. | | |
| C/ 03 SC 3.2.7 P 12 L 3 Barrass, Hugh Cisco Systems | Comment # 12 | Suggested Remedy Change these N N and I | n to clientDataSize. | | |
| Comment Type E Comment Status X Everywhere else, "n" is capitalized. | | Response PROPOSED REJECT. | Response Status W | | |
| Suggested Remedy Change "n" to "N" | | This use of N is as used | in the original clause 3. | | |
| Response Response Status O | | Other comment respons | es (189, 144) have deleted | the new uses | s of N. |
| | | C/ 03 SC 3.2.8 Booth, Brad | P 12 Intel | L 37 | Comment # 81 |
| | | Comment Type ER Incorrect editing instruct | Comment Status D | | |
| | | Suggested Remedy | | | |
| | | Change editing instruction | on to read: Insert Pad field a 2.9 and 3.2.10, respectively. 2.10 can be deleted. | | |
| | | | | | |

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
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 C/ 03
 SC 3.2.8

| C/ 03 SC 3.2.8 P 12 L 37 Comment # 122 Dawe, Piers Agilent | C/ 03 SC 3.2.8 P 47 L 47 Comment # 121 Dawe, Piers Agilent |
|---|--|
| Comment Type E Comment Status X Editing instruction is wrong. You are actually splitting 3.2.7 into 3.2.7 and 3.2.8 (could formally be an insert), and renumbering following subclauses. Suggested Remedy | Comment Type E Comment Status X Parts of clauses 3 and 4 use 'implementation' in its usual sense of a (non-unique) way of building something to the standard, and also as a very specific column in a port classification table in 4.4.2. In this case, the implementer has no discretion, so 'parameters of the particular implementation' is misleading. |
| Response Response Status O | Suggested Remedy Here and in 4.4.2, change 'implementation' to something like 'port type', 'port speed' or 'port data rate'. There are about 20 misleading uses of implementation: it may be too much to clean up them all now but I think you can get many of them in the sections you are modifying. |
| Daines, Kevin World Wide Packets | Response Response Status O |
| Both PAD and pad are used in clause 3. Since subclause 3.2.8 was extracted from 3.2.7, it makes sense to fix the inconsistency. Suggested Remedy pg. 12, line 39: Change "PAD" to "Pad" or pg. 12, line 49: Change "PAD" to "pad" or pg. 11, line 48: Change "PAD" to "pad" or pg. 11, line 50: Change "PAD" to "pad" or pd" or other occurences of "PAD" and fix appropriately. Response Response Status | C/ 03 SC 3.2.9 P 12 L 52 Comment # 82 Booth, Brad Intel Comment Type ER Comment Status D Move editing instruction closer to affected text and remove unchanged text. Suggested Remedy Change editing instruction to read: Change 1st paragraph to read as follows. Remove remaining paragraphs in the subclause. |
| CI 03 SC 3.2.8 P 12 L 49 Comment # 177 Grow, Robert Intel | Response Response Status W PROPOSED ACCEPT. |
| Comment Type ER Comment Status D Why was the case of "n" changed in this move to a new subclause? | C/ 03 SC 3.5 P 13 L 26 Comment # [83] Booth, Brad Intel |
| Suggested Remedy Use lower case "n" in italics. | Comment Type ER Comment Status D Editing instruction is sufficient. |
| Response Response Status W PROPOSED ACCEPT. | Suggested Remedy Remove the text for 3.5 as the editing instruction is sufficient. |
| | Response Response Status W PROPOSED ACCEPT. |

| C/ 03 | SC 3.5.4 | P 14 | L 50 | Comment # 1 | 48 |
|-------------|----------|---------|-------------|-------------|----|
| Dawe, Piers | | Agilent | | | |

Comment Type TR Comment Status D

The 802.3 state machine is entitled to know whether any frame is basic, tagged or envelope (for example it may wish to count too-long frames per 30.3.1.1.25). This document does not define how a receiver can tell these 'three applications' apart. For tagged frames, the information used to be in the stricken 3.5.4. I can't see the information the receiver needs to identify an envelope frame anywhere. A vague and informative note in 3.2.7, really addressing the size of the client data field, is not adequate. In the remedy below, I assume that the length/type field determines the 'application', but lacking the information I'm asking for, I don't know that for a fact.

Suggested Remedy

Expand 3.2.6 with a normative table of types that the 802.3 receiver may recognise.

Response Status W

Response

PROPOSED REJECT.

802.3as will not be listing the Types defined by other groups that may map to the basic/tagged/envelope frame formats (e.g., the definition of Qtag is being moved to 802.1Q). This is invisible to the MAC.

| C/ 03 | SC 3.8 | P 12 | L 37 | Comment # 176 |
|------------|--------------------|------------------|------|---------------|
| Grow, Robe | ert | Intel | | |
| Comment T | Гуре Е | Comment Status X | | |
| Incorrec | ct editing instruc | tion. | | |
| Suggested | Remedy | | | |

This should be "Insert subclause 3.2.8 and renumber following subclauses as required:"d'if accepted, line 52 should also be changed to read: "Change subclause 3.2.8 (renumbered to 3.2.9) as follows:" And, p. 13, I. 22-24 should then be deleted.d'dAlternatively, the instruction for 3.2.7 could be changed to "Replace 3.2.7 with the following and renumber subsequent sublcauses as required:"; with this instruction then deleted.

Response Response Status O

C/ 03 SC Figure 3-1

Daines. Kevin

P 10

World Wide Packets

Comment Type E Comment Status D

The text "clause" is unnecessary.

Suggested Remedy

Remove "clause" to read: "see 3.2.7"d

Response Response Status W

PROPOSED ACCEPT.

| C/ 04 | SC | Ρ | L | Comment # | 180 |
|-------------|----|-------|---|-----------|-----|
| Grow, Rober | t | Intel | | | |

Comment Type E Comment Status D

Most of the changes in Clause 4 and 4A could be significantly reduced in size by referencing paragraphs within a subclause rather than repeating the entire subclause.

Suggested Remedy

Delete unnecessary content from the draft and appropriately enhance editing instructions.

| Response | Response Status | w |
|-----------------|-----------------|---|
| PROPOSED ACCEPT | IN PRINCIPLE. | |

These are mostly covered by other comments

| C/ 04 | SC | P 23 | L 5 | Comment # 178 | |
|--------------|----|-------|------------|---------------|--|
| Grow, Robe | rt | Intel | | | |

Comment Type TR Comment Status D

I think Figure 4-1 and Figure 4-2 belong in 4.3.2 rather than creating a new subclause.

Suggested Remedy

Delete the subclause. Change p. 24, I. 11 to read: The MAC client transmits a frame via an MA_DATA.request or MA_CONTROL.request service primitive as illustrated by Figure 4-1. Service primitives are mapped to the MAC TransmitFrame function as shown in Figure 3-2." (Anchor the figure to the sentence.)

Replace the exit condition from WAIT_FOR TRANSMIT with MA_DATA.request + MA_CONTROL.request

Replace the actions part of GENERATE_TRANSMIT_FRAME with function TransmitFrame. Replace UCT exit transition from GENERATE_TRANSMIT_FRAME with TransmitStatus Change p. 24, I. 27 to read:

The MAC client receives a frame via an MA_DATA.indication or MA_CONTROL.indication service primitive as illustrated by Figure 4-2. Service primitives are mapped to the MAC ReceiveFrame function as shown in Figure 3-2." (Anchor the figure to the sentence.) Replace the exit condition from WAIT FOR RX with ReceiveFrame

Replace the actions part of PASS_TO_CLIENT with if Length/Type = 88 08 hexadecimal then MA_CONTROL.indication else MA_DATA.indication. Replace UCT exit transition from PASS_TO_CLIENT with ReceiveStatus.

Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Move 4.2.11 to 4.3.2.1 with no changes to the state diagram. The commentor is reminded of Fig 2-1.

Move the current 4.3.2 to 4.3.2.2

Also make same changes in Annex 4A

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general

L 38

Comment # 105

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn 9/13/2005 8:57:46 PM C/ 04

Page 18 of 44 C/ 04 SC

| C/ 04 SC 4 Booth, Brad | P 17 Intel | L 26 | Comment # 84 | C/ 04 SC 4.2.11 P 23 L 23 Comment # [211] Shimon Muller Sun Microsystems, Inc |
|--|--|---------------|----------------------------|--|
| Comment Type E Miscellaneous underlir | Comment Status X ne. | | | Comment Type ER Comment Status D In state GENERATE_TRANSMIT_FRAME the TransmitFrame function has incorrect parameters. |
| Suggested Remedy Remove the underline | in the heading | | | Suggested Remedy |
| Response | Response Status O | | | Change the function call to read as follows: "TransmitFrame(destination_address, source_address, lengthOrType, |
| C/ 04 SC 4.2.11 Dawe, Piers | P 20 Agilent | L 21 | Comment # 129 | data, fcs, fcsPresent) : TransmitStatus" |
| Comment Type E 'the state for'? | Comment Status X | | | Same for Annex 4A. |
| Suggested Remedy Change to 'the states t | for'. Similarly in 4A.2.11. | | | Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. |
| Response | Response Status O | | | Accept change |
| C/ 04 SC 4.2.11 | P 23 | L 15 | Comment # 205 | Insert a common set of constants, variables, functions & messages (like in 31.5.3 or 57.3) to define mapping. |
| Marris, Arthur | Cadence | | | This would likely subsume the NOTES in 4.3.2. |
| consistant with the Tra do not match those list | Comment Status X .request call contain the paran ansmitFrame function. Also Tr ted on line 29 on page 24.33A Present or fcsParamPresent? | ansmitFram | e parameters in figure 4-1 | C/ 04 SC 4.2.11 P 23 L 38 Comment # [7] Alping, Arne Ericsson AB Comment Type E Comment Status X Figure 4-2: "WAIT FOR RX" in receive state diagram should be renamed to "WAIT FOR |
| Suggested Remedy | | | | RECEIVE" in analogy with "WAIT FOR TRANSMIT" as of transmit state diagram |
| for TransmitFrame in f | meter fcsPresent to MA_DATA figure 4-1 by adding fcsPreser he document such as in Anne | nt and length | OrTypeParam. This would | Suggested Remedy Rename "WAIT FOR RX" to "WAIT FOR RECEIVE" |
| fcsPresent to fcsParar | | | - | Response Response Status O |
| Deenenee | Deenenee Status | | | |

Response

Response Status 0

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 9/13/2005 8:57:46 PM

Page 19 of 44 57:46 PM C/ 04 SC 4.2.11

| Cl 04 SC 4.2.11 P 23 L 5 Comment # 232 Thaler, Pat Agilent Technologies | C/ 04 SC 4.2.11 P 23 L 8 Comment # 210 Shimon Muller Sun Microsystems, Inc |
|--|---|
| Comment Type TR Comment Status D The figures look okay but the title and text needs some work - These aren't state diagrams for the MAC Client so MAC Client state diagrams is an inaccurate title. Similarly the text is | Comment Type E Comment Status X Typo. |
| incorrect (and state diagrams don't "introduce" something, they describe function). Suggested Remedy These appear to be state diagrams for the MAC interface to the MAC client. Please describe them that way. Also applies to 4A.2.11 | Suggested Remedy Insert "diagrams" between "state" and "for". Same for Annex 4A. Response Response Status O |
| Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. | C/ 04 SC 4.2.4.2.1 P L Comment # 203 Aniruddha Kundu intel Inte |
| See comment 178 Cl 04 SC 4.2.11 P 23 L 5 Comment # 88 Booth, Brad Intel Comment Type E Comment Status X Underlines not required with inserted text. Suggested Remedy Remove underlines. Same edit applies to 4A.2.11. Response Response Status O | Comment Type T Comment Status X The spec adds (section 4.24.2.1) that recv. MAC sublayer is allowed to truncate frames longer than etc. etc and report this event as an (implementation dependant) error. Why is this implementation dependant term? Why not specify a standards way to report error to station management so that in cases where these frames are being counted in the MIB (clause 30) they become interoperable? Suggested Remedy Response Response Status 0 |
| C/ 04 SC 4.2.11 P 23 L 8 Comment # 15 Barrass, Hugh Cisco Systems Comment Type E Comment Status X | Cl 04 SC 4.2.4.2.1 P 17 L 28 Comment # 85 Booth, Brad Intel Comment Type ER Comment Status D Place editing instruction closer to affected text and remove unchanged text. |
| This descriptive text doesn't really explain why these diagrams are inserted. Suggested Remedy Change "introduce the state for the transmit and receive portions of the MAC client." dots "translate the service interface defined in 802.1 and Clause 31 into the format used in this Clause" Response Response Status O | Suggested Remedy Move editing instruction to after the subclause heading. Change instruction to read: Change bullet a) to read as follows. Remove the all other unchanged text in 4.2.4.2.1. Same edit applies to 4A.2.4.2. Response Response Status PROPOSED ACCEPT. |

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed
 U/unsatisfied Z/withdrawn
 9/13/2005 8:57:46 PM
 C/ 04
 SC 4.2.4.2.1

| C/ 04 | SC 4.2.4.2.1 | P 17 | L 38 | Comment # 207 | | C/ 04 | SC 4 | 4.2.4.2.1 | | P 17 | L 38 | Comment # 189 |
|---|---------------------------------------|---|------------------------------|---|---------------------------|--|--------------------------------------|--------------------------|---|---|-------------|--|
| Shimon M | | Sun Microsys | | | | Gupta, Ta | | | I | ntel Corporatio | | |
| Comment | Type TR | Comment Status D | | | | Comment | Туре | TR | Comment St | atus D | | |
| correc statem | t. maxValidFrame | t regarding the truncation of e does not include all the fiel uncate any frame greater that | ds in a valid | frame. Based on this | , | | ge 18. N | laximum F | | addresses, len ck should inclu | | nd CRC as per definition |
| Suggested | | | | | | | | | | naxBasicFrame definition and | | |
| "The r | eceiving CSMA/C d to truncate fran | of this sentence to read as for CD sublayer is not required to nes with the MAC client data | o enforce the | frame size limit, but it is than maxValidFrame | | Response PROP | | ACCEPT II | Response Sta N PRINCIPLE. | atus W | | |
| Same | for Annex 4A. | | | | | Rewo | rd start o | of paragrap | ph: | | | |
| | OSED ACCEPT | | | | | allowe | ed to trur | ncate frame | es longer than | ot required to e [maxBasicFrar or maxEnvelope | neSize or | e frame size limit, but it is ze] octets |
| | sponse to comm | | | | | Also c | hange i | n Annex 4/ | A | | | |
| Cl 04 Dawe, Pier | SC 4.2.4.2.1 | P 17 Agilent | L 38 | Comment # 123 | | CI 04 | | 4.2.4.2.1 | | P 17 | L 40 | Comment # 13 |
| Comment | Туре Е | Comment Status D | | | | Barrass, H | lugh | | (| Cisco Systems | | |
| maxVa | alidFrame hasn't | been introduced (it used to b | be in 3.2.6). | | | Comment | | т | Comment St | | | |
| Suggestea | Remedy | | | | | | | | | commend that f s "dangerous" I | | ould never be truncated |
| | | ne octets (whose value depe | | | | Suggested | | | | o dungerouo i | | |
| | | ' to 'maxValidFrame octets (v e implementation: see 4 2 7 | | | n | | | - | nce at the end | of the paragrap | h: | |
| modes supported by the implementation: see 4.2.7.1)'. Similarly in 4A.2.4.2. <i>Response Response Status</i> W PROPOSED ACCEPT IN PRINCIPLE. | | | "It is re maxVa frames | ecomme alidFran s may ha | ended that ne size sho | any implement ould invalidate ely weakened (| tation that trunc those frames th | ates fram at it has t | es longer than its runcated as such truncated cause serious problems if | | | |
| See re | sponse to comm | ent 189 | | | | Response | 1 | | Response Sta | atus W | | |
| | | | | | | PROP | POSED | ACCEPT IN | N PRINCIPLE. | | | |
| | | | | | | "It is re | ecomme | ended that | any implement | | ates fram | es should invalidate those nd may cause serious |

SC 4.2.4.2.1

| C/ 04 SC 4.2.7.1 P 17 L 60 Comment # 86 Booth, Brad Intel Intel <td< td=""><td>C/ 04 SC 4.2.7.1 P 18 L 20 Comment # 208 Shimon Muller Sun Microsystems, Inc Su</td></td<> | C/ 04 SC 4.2.7.1 P 18 L 20 Comment # 208 Shimon Muller Sun Microsystems, Inc Su |
|---|---|
| Comment Type E Comment Status X Keep editing instruction with associated text. | Comment Type ER Comment Status D Typo. |
| Suggested Remedy Move editing instruction to after the heading. | Suggested Remedy Delete the "4" after "=". Same for Annex 4A. |
| Response Response Status O | Response Response Status W – PROPOSED REJECT. |
| C/ 04 SC 4.2.7.1 P 18 L 18 Comment # 124 Dawe, Piers Agilent | It already is crossed out |
| Comment Type T Comment Status X maxBasicFrameSize is not implementation-dependent. Even with 4.4 using | C/ 04 SC 4.2.7.1 P 18 L 20 Comment # 93 Brown, Benjamin Motorola |
| 'implementation' as a term for a port classification, it's a constant. Same for maxEnvelopeFrameSize (and minFrameSize, by the way). | Comment Type E Comment Status X cut and past error? |
| Suggested Remedy Delete 'implementation-dependent,' three times. Similarly in 4A.2.7.1, and twice in 5.2.4.1. Response Response Status O | Suggested Remedy replace "maxEnvelopeFrameSize = 4;" with "maxEnvelopeFrameSize =;"&This comment also applies to 4A.2.7.1, page 30, line 13 |
| | Response Response Status O |
| CI 04 SC 4.2.7.1 P 18 L 18 Comment # 202 Kim, Yong Broadcom | C/ 04 SC 4.2.7.1 P 18 L 22 Comment # 125 |
| Comment Type TR Comment Status D "maxBasicFrameSizeimplementation-dependent see 3.2.7." does not clarify what maxBasicFrameSize means. Don't you mean frames w/ basic payload (1500+18)? Then this is NOT implementation-dependent. BTW, Delete .4.4 (confusing or no longer the right reference, ditto on line 20). | Dawe, Piers Agilent Comment Type T Comment Status X maxEnvelopeFrameSize isn't 4 Suggested Remedy |
| Suggested Remedy Please clarify or correct. | 2000. Similarly in 4A.2.7.1. |
| Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. | Response Response Status O |
| Delete 'implementation dependent' | |
| Also make change in Annex 4A | |

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 9/13

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| C/ 04 SC 4.2.7 . Brown, Benjamin | 1 P 18 Motorola | L 22 | Comment # 95 | C/ 04 Shimon M | SC 4.2. Iuller | 7.1 | P 18 Sun Microsyst | L 28 ems, Inc | Comment # 209 |
|---|--|--|---------------------------|----------------------------------|---|--|---|-------------------------|---------------------------|
| maxTaggedFrames Suggested Remedy Replace the concep a new constant "ma | icFrameSize and a maxEnvelope Size an equation is needed: maxE pt of determining maxTaggedFrar axTaggedFrameSize =;" to be o applies to 4A.2.7.1, page 30, line <i>Response Status</i> W | BasicFrameS meSize with consistent | Size + qTagPrefixSize | Suggeste Chan | sistent use of d Remedy ge the stater ValidFrame = (maxE maxE (2 x ao | f parenthe nent to rea ((maxBa BasicFram nvelopeFr | omment Status D esis types. Also, I believe ad as follows: sicFrameSize eSize + qTagPrefixSize) ameSize) - e + lengthOrTypeSize + | | enthesis are missing. |
| Previous TF debate to its affect on curre C/ 04 SC 4.2.7. | e (January 2005) has determined ent implementations. 1 P18 | that this app <i>L</i> 28 | Comment # 126 | Response PROF | POSED ACC | Re EPT IN P | esponse Status W RINCIPLE. ad as follows: | | |
| Dawe, Piers Comment Type T maxValidFrame us 'const' section. Suggested Remedy | Agilent Comment Status X ed to be a constant but no longer | ger, although it might be left in the Pascal | | | ValidFrame = (maxE maxE (2 x ac | ∈ ((maxBa BasicFram nvelopeFr | sicFrameSize or eSize + qTagPrefixSize) ameSize) - e + lengthOrTypeSize + | or | |
| , | e '. This constant is defined for ec imilarly in 4A.2.7.1. | litorial conve | enience, as a function of | <i>Cl</i> 04 Dawe, Pie | SC 4.2. | 7.1 | P 18 Agilent | L 28 | Comment # 127 |
| Response | | Comment | Туре Е | | comment Status X s be split up by hyphen a | nd line brea | ık. | | |
| | | | | 00 | | the '+' if it | helps. Do so anyway fo | r consisten | cy of style. Similarly in |
| | | | | Resnonse | ` | P | sponse Status O | | |

Response Response Status **O**

SC 4.2.7.1

| Brown, Benjamin | P 18 Motorola | L 28 | Comment # 94 | C/ 04 SC 4.2.9 Dawe, Piers | P 20 Agilent | L 21 | Comment # | 128 |
|---|---|--|--|--|---|-------------------|-----------|------------|
| Comment Type TR New symbol? I think th it should be defined so | Comment Status D his is the first time I've seen a " omewhere first? | " symbol in | this document. I wonder if | Comment Type E Strikeouts and underl Suggested Remedy | Comment Status X ines slightly wrong? | | | |
| Suggested Remedy | | | | Suggested Remedy | | | | |
| | the word "or" or define it somevoplies to 4A.2.7.1, page 30, line | | | Response | Response Status O | | | |
| Response PROPOSED ACCEPT | Response Status W T. | | | | P 20 | L 24 | Comment # | 14 |
| C/ 04 SC 4.2.7.2 | P 19 | 1.00 | Comment # 25 | Barrass, Hugh | Cisco Systems | | | |
| Barrass, Hugh | Cisco Systems | L 23 | Comment # 25 | Comment Type E | Comment Status X | | | |
| Comment Type T | Comment Status X | , , | | • • | ree values "larger" is no longer a | opropriate | • | |
| New clause change for | | | | Suggested Remedy | | | | |
| Suggested Remedy | | | | Change "larger" to "la | rgest"♂ | | | |
| (maxBasicFrameSize interFrameSpacing + accompanying note ac maximum size of fram qTagPrefixSize) for sy supporting 802.3as." | | lopeFrameS chRatio);"ଟିଜ counter is c ner (maxBas | Size) x 8 + headerSize + At the end of the determined by the sicFrameSize + | Cl 04 SC 4.3.2 Booth, Brad Comment Type ER Keep editing instruction Suggested Remedy | P 23 Intel Comment Status D on closer to affect text and remov | L 60 ve unchan | Comment # | 89 |
| Response | Response Status O | | | Move editing instruction | on to be before last paragraph of paragraph to read as follows. R | | | |
| C/ 04 SC 4.2.9 Booth, Brad | P 19 Intel | L 22 | Comment # 87 | from this subclause. Same edit applies to 4 | | | | inged text |
| bootii, biau | Comment Status D | | | Response | Response Status W | | | |
| Commont Tuno ED | | | | PROPOSED ACCEP | T. | | | |
| 21 | on closer to affect text and remo | ve unchanc | ied text | | | | | |
| Keep editing instruction | on closer to affect text and remo | ove unchang | jed text. | | | | | |
| Keep editing instructic Suggested Remedy Move the change instruction to read: Ch | ruction to be before function Re nange function ReceiveDataDec ext from this subclause. | ceiveDataD | ecap and change | | | | | |

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

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| Barrass, Hugh | P 24 Cisco Systems | L 3 | Comment # 38 | C/ 04 Booth, Brac | SC 4.4.2 | P 25 Intel | L 38 | Comment # 66 |
|---|--|---|---|---|---|---|------------------------|--|
| Comment Type T With the change to 4.2. | Comment Status X 11, this section is now mislead | ing. | | Comment 1 Keep e | | Comment Status D on closer to affect text and remo | ove unchan | ged text. |
| MAC sublayer are trans MAC client uses the fac functions."ở toở ở "The s transmission and recep MAC sublayer definitio and ReceiveFrame defi | aragraph from:dd"The services smission and reception of fram cilities of the MAC sublayer the ervices provided to the MAC o tion of frames as defined in Cl ins use two similar but subtely ined below. The relationship be ent state diagrams in 4.2.11."d | es. The inf refore con lient by the ause 2. Fo different fu | terface through which the sists of a pair of e MAC sublayer are or historical reasons the unctions, TransmitFrame | read as NOTE from No <i>Response</i> | diting instructi follows. Add 5. Remove the | on to before the table and chan an editing instruction before NG e remaining unchanged text from <i>Response Status</i> W T. | OTE 6 to rea | ad: Insert NOTE 6 after ause. Remove underlines |
| Response | Response Status O | | | <i>Cl</i> 04 Thaler, Pat | SC 4.4.2 | P 26 Agilent Techno | L 27 plogies | Comment # 233 |
| CI 04 SC 4.3.2 | P 25 | L 27 | Comment # 96 | Comment 7 The sha | | Comment Status X he text and makes the tables le | ess easy to | read. |
| Brown, Benjamin | Motorola | | | Suggested | Remedy | | | |
| Comment Type TR Comment Status D | | | | Please | remove the sh | nading. | | |
| 1500, it "is a constant, i frame" (see page 25, lin way:∂page 20, line 58∂ now it is also used to do truncated:∂page 17, line | ined a definition. It has always regardless of whether the fram ne 28). There are numerous pl page 21, line & page 25, line 2 etermine whether a packet is to e 38 page 18, line 28 of It may | e is a basi aces wher 1∂page 28 50 long an | ic, tagged or envelope e it still is used this 5, line 27♂7However, d should be | Response C/ 04 Dawe, Piers | SC 4.4.2 | Response Status O P 27 Agilent | L 13 | Comment # 137 |
| variable for this new de | termination ^d | | | Comment T | ype E | Comment Status X | | |
| | d page 18, line 28, replace "ma some other suitable variable na | | me" with | | re only two ta , hard to refer | bles in clause 4. This one is ve to. | ry importan | t, and without a table |
| | lies to 4A.3.2, page 36, line 11 | | | Suggested | - | | | |
| This comment also app | | | | As a se | rvice to huma | nity, number the two tables in c | lause 4. | |
| | Response Status 🛛 🛛 🛛 🛛 🛛 🖉 | | | Deenenee | | Response Status O | | |
| | | | | Response | | Response status O | | |
| Response | IN PRINCIPLE. | | | Response | | | | |
| Response PROPOSED ACCEPT See response to comm | IN PRINCIPLE. | | | Response | | | | |
| Response PROPOSED ACCEPT See response to comm Rename maxValidFram Define as: 1500; | IN PRINCIPLE. | field of th | e basic frame. } | Response | | | | |
| Response PROPOSED ACCEPT See response to comm Rename maxValidFram Define as: 1500; | IN PRINCIPLE. ent 189 ne -> maxBasicDataSize n length of the MAC client data | field of th | e basic frame. } | Response | | Response Status 0 | | |

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

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| C/ 04 SC 4.4.2 P 27 L 13 Comment # [130] vawe, Piers Agilent | C/ 04 SC 4.4.2 P 27 L 17 Comment # 16 Barrass, Hugh Cisco Systems Cisco Systems 16 < |
|--|--|
| Comment Type E Comment Status X Lost a full stop. | Comment Type E Comment Status X Although the recommendation of this note is correct, it is overstated to say that frame |
| uggested Remedy | corruption is "likely." |
| Replace full stop at the end of note 5. | Suggested Remedy Change "likely" to "possible"♂ |
| Pesponse Response Status O | |
| | Response Response Status O |
| 21 04 SC 4.4.2 P 27 L 16 Comment # 234 | _ |
| haler, Pat Agilent Technologies | C/ 04A SC 4A.2.11 P 33 L 4 Comment # 179 |
| Comment Type T Comment Status X | Grow, Robert Intel |
| "likely" is probably too strong. Frame corruption would require a transmitter and receiver | Comment Type TR Comment Status D |
| that are near opposite edges of the clock tolerance. | If Figures 4-1 and 4-2 are relocated as advocated in a separate comment, do the same |
| uggested Remedy | here. |
| Replace "likely" with "possible" | Suggested Remedy |
| Pesponse Response Status O | See comment. |
| | Response Response Status W |
| | _ PROPOSED ACCEPT IN PRINCIPLE. |
| C/ 04 SC 4.4.2 P 27 L 16 Comment # 237 hompson, Geoff Nortel | See response to comment 178 |
| comment Type ER Comment Status D | C/ 04A SC 4A.2.11 P 33 L 56 Comment # 19 |
| Note 6 should only apply to networks containing half-duplex portions. Fully switched 10 | Barrass, Hugh Cisco Systems |
| Mb/s networks do not have repeaters | Comment Type E Comment Status X |
| uggested Remedy | This descriptive text doesn't really explain why these diagrams are inserted. |
| Change to: | Suggested Remedy |
| NOTE 6: For 10 Mb/s half-duplex implementations, the use of 2000 octet frames is not recommended for use with repeaters, as described in clause 9, as a result of likely frame | Change "introduce the state for the transmit and receive portions of the MAC client." ato |
| corruption due to clock skew. | "translate the service interface defined in 802.1 and Clause 31 into the format used in this Clause"∂ |
| Pesponse Response Status W | Response Response Status O |
| PROPOSED 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 9/13/2005 8:57:47 PM

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| C/ 04A SC 4A.2.11 P 34 L 30 Com Alping, Arne Ericsson AB Ericsson AB | | 04A sarrass, Hugh | SC 4 A.2.4.2 | P 29 Cisco Systems | L 44 | Comment # 17 |
|--|---|--------------------------|---|---|-----------------------|--|
| Comment Type E Comment Status X Figure 4-2: "WAIT FOR RX" in receive state diagram should be rename RECEIVE" in analogy with "WAIT FOR TRANSMIT" as of transmit state | d to "WAIT FOR | | d be a good o | Comment Status X pportunity to recommend that fr that constitutes "dangerous" b | | ould never be truncated |
| Suggested Remedy Rename "WAIT FOR RX" to "WAIT FOR RECEIVE" Response Response Status O | | implement those fram | llowing senter tation that trur nes that it has | nce at the end of the paragraph ncates frames longer than its m truncated as such truncated fra y cause serious problems if for <i>Response Status</i> O | axValidFr ames may | ame size should invalidate / have severely weakened |
| Dawe, Piers Agilent Comment Type T Comment Status X 4.2.4.2.1 uses maxValidFrame while here we have maxValidFrameSize instance is the odd one out. Suggested Remedy Change to maxValidFrame. Response Response Status O | e. Looks like this Di | awe, Piers omment Typ | e reference be medy | P 30 Agilent Comment Status X e to 4A? Response Status O | L 16 | Comment # 134 |
| Cl 04A SC 4A.2.4.2 P 29 L 41 Common Gupta, Tanmay Intel Corporation Intel Corporation Comment Type TR Comment Status D maxValidFrameSize is undefined. maxValidFrame is defined. Suggested Remedy Refer to comment 189 for the proper value. Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See response to comment 189 | nment # 1 <u>90</u> C. D. C. S. | | ! | P 30 Agilent Comment Status X | L 11 | Comment # <u>131</u> |

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| C/ 04A SC 4A.2.7.1 Dawe, Piers | P 30 Agilent | L 13 | Comment # 132 | C/ 04A SC 4A.3.2 P 35 L 1 Comment # 39 Barrass, Hugh Cisco Systems |
|---|--|------------------|---------------|--|
| Comment Type E maxEnvelopFrameSize | Comment Status X | | | Comment Type T Comment Status X With the change to 4A.2.11, this section is now misleading. |
| Suggested Remedy maxEnvelopeFrameSiz | e | | | Suggested Remedy Change the opening paragraph from: 3"The services provided to the MAC client by the |
| Pesponse | Response Status O | | | MAC sublayer are transmission and reception of frames. The interface through which th MAC client uses the facilities of the MAC sublayer therefore consists of a pair of functions."ేరtoౌరా"The services provided to the MAC client by the MAC sublayer are transmission and reception of frames as defined in Clause 2. For historical reasons the |
| C/ 04A SC 4A.2.7.1 Daines, Kevin | P 36 World Wide P | L 14 ackets | Comment # 109 | MAC sublayer definitions use two similar but subtely different functions, TransmitFrame and ReceiveFrame defined below. The relationship between these two sets of functions defined by the MAC client state diagrams in 4A.2.11." |
| Comment Type E Missing spaces, unwan | Comment Status X ted hyphenation | | | Response Response Status O |
| | xBasicFrameSize (for basic : ze (for Envelope frames)"♂♂T e" are not hyphenated. | | | C/ 04A SC 4A.3.2 P 36 L 14 Comment # 136 Dawe, Piers Agilent Agilent |
| Response | Response Status O | | | Comment Type E Comment Status X Some misplaced spaces and a spare full stop Suggested Remedy |
| C/ 04A SC 4A.2.9 Barrass, Hugh | P 32 Cisco System | L 4 Is | Comment # 18 | Response Response Status O |
| Comment Type E Now that there are three | Comment Status X e values "larger" is no longer | appropriate | | |
| Suggested Remedy Change "larger" to "larg | | - FF - F | | CI 04A SC 4A.4.2 P 36 L 18 Comment # 67 Booth, Brad Intel |
| Response | Response Status O | | | Comment Type ER Comment Status D Keep editing instruction closer to affect text and remove unchanged text. |
| 7 04A SC 4A.3.2 hawe, Piers | P 34 Agilent | L 56 | Comment # 135 | Suggested Remedy Move editing instruction to before the table and change instruction to read: Change Tab 4A-1 to read as follows. Remove all other unchanged text in the subannex. |
| <i>Comment Type</i> E Orphan title | Comment Status X | | | Response Response Status W PROPOSED ACCEPT. |
| Suggested Remedy Keep with next | | | | |
| Response | Response Status O | | | |

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 9/13/2005 8:57:47 PM

Page 28 of 44 05 8:57:47 PM *C*/ **04A** SC **4A.4.2**

| C/ 04A SC Figure 4-1 Brown, Benjamin | P 34 Motorola | L 22 | Comment # 97 | C/ 3 Grow, Ro | SC hert | 3.2 | P 11 Intel | L 28 | Comment # 172 |
|---|--|--------------------------------------|---|--|---|--|---|---|---|
| | t Status X | | | Comment | t Type | ER | Comment Status D ginning of 3.2 should be char | aed | |
| Suggested Remedy replace "Figure 4-1 & 4-2" with "Figu | ure 4A-1 & 4A-2" Status O | | | Suggeste 3.2 n "Elen Add p Data | d Reme eeds to nents of paragrap frame is | dy be retitled the MAC oh: encapsul | | CD MAC. ⁻ | |
| Cl 12 SC 12.9.5 Barrass, Hugh Comment Type E Comment New clause change for "1518" refer Note that this is a "dead" clause. Suggested Remedy Add the following at the end of the p that frames using the envelope form shrink of 4 BT. | paragraph starting " | ل 3 Hub Dela: may yield | Comment # <u>35</u> y Stretch/Shrink":♂♂Note a maximum stretch or | enca Response PROI 3.2 n "Elen Add p Fram the fin | POSED POSED eeds to nents of paragrap e is enc elds of ti | the data fr ACCEPT be retitled the MAC bh: apsulted i the Ethern | ame. These fields are descril <i>Response Status</i> W IN PRINCIPLE. | oed in order MAC. This sids that the | of transmission. section describes in detail MAC creates to |
| | Status O | | | Cl 3 Thompso | SC | 3.2.7 | P 12 Nortel | L 24 | Comment # 236 |
| Although I recognize the benefit of t interface, it is imperative that the do "TransmitFrame" and "ReceiveFram addressed appropriately. Suggested Remedy I will submit a number of separate to most beneficial for others to conduct | ecument integrity is ne" and related topi echnical comments it similar searches. <i>Status</i> W LE. | maintaine cs must b for instan | d. All references to e sought out and ces that I find. It would b | refere Suggeste Add t Response PRO | refers to ences, P <i>d Reme</i> o refere e POSED | 802.1ad, <i>dy</i> nces. ACCEPT | Comment Status D r of projects/standards that I b P802.1ah, P802.1AE and MP <i>Response Status</i> W IN PRINCIPLE. een renamed in response to co | LS | e not been added to the |

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 9/13/2009

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| 2/ 30 SC P 41 L Comment # 226 | C/ 30 SC 30.2.5 P 41 L 26 Comment # 36 |
|--|---|
| quire, Matt Hatteras Networks | Barrass, Hugh Cisco Systems |
| Comment Type T Comment Status X | Comment Type TR Comment Status D |
| There should be a way to read the size of the max valid frame supported by the implementation via management. | It is necessary to define a MIB object that allows network management entities to discover the frame length capability of devices in the network. |
| uggested Remedy | Suggested Remedy |
| Add attribute 3/30.3.1.1.xx aMaxValidFrameSize3ATTRIBUTE3APPROPRIATE SYNTAX:3INTEGER3/BEHAVIOUR DEFINED AS:3The maximum valid frame size supported by this implementation as defined in 3.2.7. Values may be 1518 (support for basic frames), 1522 (support for QTagged frames), or 2000 (support for envelop frames). | Add a new object into table 30-1a, part of oMACEntity managed object class (30.3.1) "aMaxFrameLength" ; ATTRIBUTE ; GET ; (member of "recommended package") In subclause 30.3.1 add a new object definition in the appropriate place 30.3.1.1.xx aMaxFrameLength ATTRIBUTE |
| | APPROPRIATE SYNTAX: An ENUMERATED VALUE that has one of the following entries: |
| Ed 30 SC 3 P 41 L 31 Comment # 1 bbott, John Corning Incorporated 1 comment Type E Comment Status X In 30.3.1.1.25 p. 41 line 31 and 30.4.3.1.8 p.41 line 56, these appear to be a lists with definitions. Is "ATTRIBUTE" part of the list? If so, it should have a definition and appear alphabetically. If "ATTRIBUTE" is the heading of the list, it should appear in a slightly different font, or underlined, or the terms below should be indented for clarity, so that it is clear that it is a heading and not one of the terms in the list. suggested Remedy Items in the list should be alphabetical, with definitions. A heading to the list should be disting for the list is a dearity. | basic frame Capable of supporting maxBasicFrameSize (1518 octet frames) tagged frame Capable of supporting maxBasicFrameSize + qTagPrefixSize (1522 octer frames) envelope frame Capable of supporting maxEnvelopeFrameSize (2000 octet frames) unknown Frame length capability unknown BEHAVIOUR DEFINED AS: This indicates the frame length capability of the DTE. <i>Response Response Status</i> W PROPOSED ACCEPT IN PRINCIPLE. Accept remedu except change DTE -> MAC at the end. <i>CI</i> 30 SC 30.3.1.1.25 <i>P</i> 41 <i>L</i> 27 <i>Comment</i> # 68 |
| distinguished from the list itself for clarity. Response Response Status | Booth, Brad Intel |
| | Comment Type ER Comment Status D Keep editing instruction closer to affect text and remove unchanged text. |
| | Suggested Remedy Move editing instruction to before the note and change instruction to read: Change the NOTE to read as follows. Remove unchanged text from the subclause. |
| | Response Response Status W PROPOSED ACCEPT. |

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| C/ 30 SC 30.3 . Daines, Kevin | | P 41 World Wide Pac | L 45 kets | Comment # 110 | C/ 31 Grow, Rol | SC bert | | P Inte | 43 | L 27 | Comment # | 184 |
|--|---|-------------------------------|---------------------|---------------|---------------------------|---|---------------|--|-------------------|---------------|-------------------|------------|
| Comment Type E Missing space | Comment St | atus X | | | | | ctions for th | o <i>mment Statu</i> ne figures sho | | eded by the | e subclause title | to which |
| Suggested Remedy Change "maxEnve | lopeFrameSize(see | ' to "maxEnvelo | peFrameS | ize (see"ೆೆ | Suggester | - | | | | | | |
| Response | Response Sta | atus O | | | See c | omment | | | | | | |
| | | | | | Response | 9 | Re | sponse Status | 6 O | | | |
| C/ 30 SC 30.4 . Barrass, Hugh | | P 42 Cisco Systems | L 7 | Comment # 20 | C/ 31 Grow, Rol | SC | | P | 43 | L 28 | Comment # | 181 |
| | <i>Comment St</i> three values "larger | | opropriate | | Comment | | | omment Statu | | | | |
| Suggested Remedy Change "larger" to | "lorgoot" 1 | | | | | - d Remedy | | | | | | |
| Response | Response Sta | atus O | | | Alter t | | | | ure 31-2 wi | th the follov | ving:" Note that | this could |
| | | | | | Response | 9 POSED ACC | | sponse Status | 5 W | | | |
| C/ 30 SC 30.4. Dawe, Piers | | P 42 Agilent | L7 | Comment # 138 | | | LF 1. | | | | | |
| Comment Type E | , Comment St | 0 | | | C/ 31 | SC | | | 43 rel Semicor | L 40 | Comment # | 102 |
| • • | er but now there are | | | | George Cl Comment | | 0 | omment Statu | | luuctoi | | |
| Suggested Remedy | luce levest | | | | | 21 | | | | and 'MA_C | ATA.indication' | |
| one of the three va | | - t | | | Suggestee | - | | | | | | |
| Response | Response Sta | atus O | | | Label name | • | es betweer | the Medium <i>i</i> | Access Co | ntrol and M | AC Control with | unique |
| C/ 30 SC 30.4 . Daines, Kevin | | P 42 World Wide Pac | L 9 kets | Comment # 111 | Response |) | Re | sponse Status | 6 O | | | |
| Comment Type T The term "MAC" is | Comment St unnecessary. | atus X | | | C/ 31 Grow, Rol | SC bert | | P Inte | 44 | L 12 | Comment # | 185 |
| Suggested Remedy Change to read "o | r envelope frame"ೆೆ | | | | Comment Incorr | <i>Type</i> E rect editing in | | omment Statu | s X | | | |
| Response | Response Sta | atus O | | | | <i>d Remedy</i> ge to "Repla | се" | | | | | |
| | | | | | Response | • | Re | sponse Status | 5 O | | | |

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 Page 31 of 44 9/13/2005 8:57:47 PM C/ 31 SC

| C/ 31 SC | P 44 | L 26 | Comment # 103 | C/ 31 SC 31 | P 44 | L 16 | Comment # 69 |
|---|---|---------------|----------------------------|--|---|--------------|-----------------------------|
| George Claseman | Micrel Semico | onductor | | Booth, Brad | Intel | | |
| Comment Type T | Comment Status X | | | Comment Type E | Comment Status X | | |
| 5 | relates to my comment on page | e 43. The inp | out and output names | Figure 31-4. Trans | ition statements and state informa | ation overru | ns the lines. |
| should be unique (MA | A_DATA.indication). | | | Suggested Remedy | | | |
| Suggested Remedy | | | | Clean up state mac | chine to that transition statements | and state in | nformation doesn't overrun |
| Name MA_DATA.ind | ication primitive uniquely (input | to MAC con | itrol). | lines. | | | |
| Response | Response Status O | | | Response | Response Status O | | |
| C/ 31 SC Grow, Robert | P 44 Intel | L 31 | Comment # 183 | C/ 31 SC 31.3 Dawe, Piers | P 43 Agilent | L 27 | Comment # 139 |
| Comment Type E Editorial cleanup requ | Comment Status X uired on Figure 31-4. | | | Comment Type E Editorials | Comment Status X | | |
| Suggested Remedy | | | | Suggested Remedy | | | |
| outside of state boxes | | do not cros | s transition lines or go | two figures before t | relevant subclause title (31.3, 31. the changes.ሪWhile you have the es more reasonable: 8 point or gr | figures ope | n for edit, please consider |
| Response | Response Status O | | | Response | Response Status O | | |
| | | | | Nesponse | | | |
| C/ 31 SC 31 | P 43 | L 46 | Comment # 21 | <u> </u> | D 42 | 1.00 | |
| Barrass, Hugh | Cisco System | S | | C/ 31 SC 31.3 Shimon Muller | P 43 Sun Microsyst | L 36 | Comment # 212 |
| Comment Type E | Comment Status X | | | | | ems, me | |
| The editing instruction for figures 31-2 and 3 | ns say "Change" but no "chang 31-4 | es" are indic | ated.ೆೆThis is the case | Comment Type E The note reference | Comment Status X d on Figure 31-2 no longer exists. | | |
| Suggested Remedy | | | | Suggested Remedy | | | |
| Use correct format (s 4.ଣ | trikethrough and underscore) for | or the chang | es in figures 31-2 and 31- | Delete "(see Note)" | ' in this figure. | | |
| Response | Response Status O | | | Response | Response Status O | | |
| | | | | | | | |

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 9/13/2005 8:57:47 PM

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| | .3 P 43 | L 60 | Comment # 213 | | C 31.4.1 | P 43 | L 56 | Comment # 182 |
|---|---|--|---|--|--|--|--------------|--------------------------------|
| himon Muller | Sun Microsys | tems, Inc | | Grow, Robert | | Intel | | |
| comment Type | ER Comment Status D | | | Comment Type | TR | Comment Status D | | |
| Changing Figure diagram. | e 31-2 has ramifications on the text | in 31.3, which | implicitly refers to the old | frame form | at rather that | and packet is illustrated here in a packet format. In this cas , but the figure should be edit | se, Figure 3 | 1-3 only include the fileds |
| uggested Remedy | | | | those acce | | | | coponding changes as |
| | raph (just below the figure) there ar need to be replaced by a MA_DATA | | | Suggested Ren | nedy | | | |
| | d to the first sentence: | | | Reconcile t | o be consis | tent with and comments acce | pted and ch | anges made to Clause 3. |
| _ | ATA.indication primitive." | | | Response | | Response Status W | | |
| Response PROPOSED AC | Response Status W | | | PROPOSE | D ACCEPT | IN PRINCIPLE. | | |
| | | | | See respor | se to comn | ient 163 | | |
| 31 SC 31 | | L 60 | Comment # 40 | Reword: | | | | |
| arrass, Hugh | Cisco System | 15 | | MAC Contr | | e distinguished from other M | AC frames o | only by their Length/Type |
| comment Type | | | | field identifi | er. | | | |
| | nanged but the accompanying text h nd meaningless sections of text in th | | This would result in | To: | | | | |
| Suggested Remedy | - | | | | ol frames a | e distinguished from other fra | imes only by | y their Length/Type field |
| | wing in section 31.3♂Change♂♂"Th erface to the MAC client as specifie | | | C/ 31 S | C 31.5 | P 43 | L 60 | Comment # 214 |
| | se specified in 4.3.2."ddtodd"The MA | AC Control su | blayer provides a client | Shimon Muller | | Sun Microsyst | tems, Inc | |
| | | | | | | | | |
| service interface | e to the MAC client as specified in C se specified in 4.2.11."♂Change♂ď | | | Comment Type | ER | Comment Status D | | |
| service interface primitives to thos generated by M/ result in the gen | se specified in 4.2.11."उंटChangeउं AC Control clients are interpreted by eration of TransmitFrame function o | MA_CONTR the MAC Co alls to the M | OL.request primitives ontrol sublayer, and may AC | 51 | | | n 31.5, whic | h implicitly refers to the old |
| service interface primitives to thos generated by M/ result in the gen sublayer"մմtod | se specified in 4.2.11."उंChangeउं AC Control clients are interpreted by eration of TransmitFrame function o 'ज"MA_CONTROL.request primitive | MA_CONTR the MAC Co alls to the M/ s generated b | OL.request primitives ontrol sublayer, and may AC by MAC Control clients | Changing F | igure 31-2 | Comment Status D | n 31.5, whic | h implicitly refers to the old |
| service interface primitives to the generated by M result in the gen- sublayer"dot are interpreted b MA_DATA.reque state of the MAC generation of a | se specified in 4.2.11."s' Changes" AC Control clients are interpreted by eration of TransmitFrame function of ""MA_CONTROL.request primitive by the MAC Control sublayer, and m est function calls to the MAC sublay C Control sublayer, MA_DATA.reque TransmitFrame function call to the M | MA_CONTR the MAC Co calls to the MA s generated b ay result in th er"do Changest primitives MAC sublayer | OL.request primitives ontrol sublayer, and may AC by MAC Control clients le generation of geሪ♂"Based upon the may cause the immediate , or be delayed, | Changing F diagram. Suggested Ren Replace the "The MAC | igure 31-2 <i>nedy</i> e text in 31. passes to th | Comment Status D | alid frames | via the |
| service interface primitives to the generated by M/ result in the gen- sublayer"3'stoa are interpreted b MA_DATA.reque state of the MAC generation of a discarded, or mo function."3'sto3' | se specified in 4.2.11." 'd' Change d' AC Control clients are interpreted by eration of TransmitFrame function of d'"MA_CONTROL.request primitive by the MAC Control sublayer, and m est function calls to the MAC sublay C Control sublayer, MA_DATA.reque transmitFrame function call to the M odified in order to perform of the reque 'Based upon the state of the MAC C | MA_CONTR / the MAC Co calls to the M/ s generated to ay result in the result | OL.request primitives ontrol sublayer, and may AC by MAC Control clients be generation of gedd"Based upon the may cause the immediate , or be delayed, ontrol per, MA_DATA.request | Changing F diagram. Suggested Ren Replace the "The MAC MA_DATA. | igure 31-2 <i>nedy</i> e text in 31. passes to th | Comment Status D has ramifications on the text in 5 with the following: he MAC Control sublayer all va | alid frames | via the |
| service interface primitives to the generated by M/ result in the gen sublayer" of to are interpreted b MA_DATA.reque state of the MAC generation of a discarded, or mo function." of to of primitives may c | se specified in 4.2.11." d'Change d' AC Control clients are interpreted by eration of TransmitFrame function of d'"MA_CONTROL.request primitive by the MAC Control sublayer, and m est function calls to the MAC sublay C Control sublayer, MA_DATA.reque TransmitFrame function call to the M odified in order to perform d the reque Based upon the state of the MAC C ause the immediate generation of a br be delayed, discarded, or modifie | MA_CONTR / the MAC Co alls to the M/ s generated b ay result in th for"d'Chang est primitives MAC sublayer ested MAC Co control sublay MA_DATA.r | OL.request primitives ontrol sublayer, and may AC by MAC Control clients le generation of gedd"Based upon the may cause the immediate , or be delayed, ontrol er, MA_DATA.request equest function call to the | Changing F diagram. Suggested Ren Replace th "The MAC MA_DATA. (see 3.4)." | igure 31-2 nedy e text in 31. passes to the indication p | Comment Status D has ramifications on the text in 5 with the following: he MAC Control sublayer all va rimitive. Invalid frames, are no Response Status W | alid frames | via the |

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 9/13/2005

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| CI 31 SC 31.5.2 P 43 L 60 Comment # 215 Shimon Muller Sun Microsystems, Inc Sun Microsystems, Inc <t< th=""><th>CI 31 SC 31.5.3.5 P 44 L 30 Comment # 218 Shimon Muller Sun Microsystems, Inc</th></t<> | CI 31 SC 31.5.3.5 P 44 L 30 Comment # 218 Shimon Muller Sun Microsystems, Inc |
|--|--|
| Comment Type ER Comment Status D | Comment Type E Comment Status X |
| Changing Figure 31-2 has ramifications on the text in 31.5.2, which implicitly refers to the old diagram. | There is no need to spell out "Generate" while you are in a given state. It is implied by state diagram conventions. |
| Suggested Remedy | Suggested Remedy |
| Replace the first two sentences of 31.5.2 with the following: | Delete "Generate" is state PASS_TO_CLIENT. |
| "Validly received MAC Control frames are further parsed to determine the opcode. The location of the opcode within a valid MAC Control frame and its format are specified in 31.4.1.4 and Figure 31-3." | Response Response Status O |
| Response Response Status W | C/ 31 SC Figure 31-4 P 44 L 30 Comment # 112 |
| PROPOSED ACCEPT. | Daines, Kevin World Wide Packets |
| CI 31 SC 31.5.3.3 P 44 L 1 Comment # 216 | Comment Type E Comment Status X |
| Shimon Muller Sun Microsystems, Inc | Text spills out of boxes. Could be font size issue. Best approach is to widen boxes to prevent this from happening. |
| Comment Type ER Comment Status D Changing the state diagram on Figure 31-4 has ramifications on its supporting text in 31.5.3.3. | Suggested Remedy Per comment. |
| Suggested Remedy Delete subclause 31.5.3.3, and renumber the following sub-clauses. | Response Response Status O |
| Response Response Status W | |
| PROPOSED ACCEPT. | C/ 31B SC P L Comment # 151 Wael William Diab Cisco |
| C/ 31 SC 31.5.3.4 P 44 L 1 Comment # 217 Shimon Muller Sun Microsystems, Inc < | Comment Type E Comment Status X Bookmarks are broken and show 43B as part of 31B |
| Comment Type ER Comment Status D | Suggested Remedy |
| Changing the state diagram on Figure 31-4 has ramifications on its supporting text in | Please fix |
| 31.5.3.4. | Response Response Status O |
| Suggested Remedy - Delete the definition of MA_CONTROL.indication. It is no longer used in the state | |
| diagram. | C/ 31B SC P 46 L 12 Comment # 186 |
| - Replace the definition of MA_DATA.indication as follows: "The service primitive used to | Grow, Robert Intel |
| pass a validly received frame between the MAC and the MAC Control sublayers, or between the MAC Control sublayer and the MAC client. When generated by the MAC | Comment Type E Comment Status X |
| sublayer, this message is used by the MAC Control Receive state diagram as the | Incorrect editing instruction |
| condition for transition between WAIT_FOR_RX and CHECK_TYPE states. While in the PASS TO CLIENT state, the MAC Control Receive state diagram generates this | Suggested Remedy |
| message to the MAC client." | Change to "Replace" |
| Response Response Status W PROPOSED ACCEPT. | Response Response Status O |
| | |

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 Pa

 COMMENT STATUS: D/dispatched A/accepted R/rejected
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| C/ 31B SC P 46 L 50 Cc George Claseman Micrel Semiconductor | omment # 104 | C/ 31B SC 31B P 46 L 29 Comment # 22 Barrass, Hugh Cisco Systems |
|--|-------------------|---|
| Comment Type T Comment Status X See figure 31B-1.In SEND CONTROL FRAME and SEND DATA FRA MA_DATA.request should have a unique name. See my previous com names into and out of the MAC Control sublayer. Suggested Remedy Make MA_DATA.request name unique. | | Comment Type E Comment Status X The editing instructions say "Change" but no "changes" are indicated.d Suggested Remedy Use correct format (strikethrough and underscore) for the changes in figure 31B-1d Response Response Status O |
| Response Response Status O | | C/ 31B SC 31B.3.1 P 46 L 5 Comment # 41 Barrass, Hugh Cisco Systems |
| C/ 31B SC 31B P 46 L 18 Co David V James JGG | omment # 192 | Comment Type T Comment Status X |
| Comment Type TR Comment Status D State machine names should have an underscore, not spaces.The oth | ner ones were OK. | Figure 31B-1 is changed but the accompanying text has been left. This would result in contradictions and meaningless sections of text in the draft. |
| but this one is not. | | Suggested Remedy Change the following in section 31B.3.1ởটChange 2 instances ofൽ"the MAC Control |
| Suggested Remedy Fix it, here and check throughout. | | sublayer calls the MAC sublayer TransmitFrame function with the following |
| Response Response Status W PROPOSED REJECT. | | parameters:"ঔtoঔ"the MAC Control sublayer calls the MAC sublayer MA_DATA.request function with the following parameters:"ঔFor both instances of bullet a) change "destinationParam" to "destination_address"ঔFor both instances of bullet b) change "sourceParam" to "source_address"ঔFor the first bullet c) changeऔThe |
| State machines in this clause do not have underscores in the names. | | lengthOrTypeParam is set to the reserved IEEE 802.3 MAC Control type value specified in 31.4.1.3." at to a length/type field (i.e. the first two octets) within the |
| C/ 31B SC 31B P 46 L 28 Cc Booth, Brad Intel Intel | omment # [70 | mac_service_data_unit parameter is set to the reserved IEEE 802.3 MAC Control type value specified in 31.4.1.3."37For the first bullet d) change33"The dataParam is set equal to the concatenation of the PAUSE opcode encoding (see Annex 31A), the pause_time |
| Comment Type E Comment Status X Figure 31B-1. Right justify the two leftmost transition statements. | | request_operand specified in the MA_CONTROL.request primitive, and a field containing zeros of the length specified in 31.4.1.6."ঐtodৈ"The remainder of the mac_service_data_unit is set equal to the concatenation of the PAUSE opcode encoding |
| Suggested Remedy As per comment. | | (see Annex 31A), the pause_time request_operand specified in the MA_CONTROL.request primitive, and a field containing zeros of the length specified in 31.4.1.6."ởFor the first bullet e) changeởở"The fcsParamPresent is set to |
| Response Response Status O | | false."ଣଣtoଟଣ"The frame_check_sequence is ommitted."ଣReplace second bullets c) and d) with a new c) bulletଣଣ"The mac_service_data_unit is set equal to the mac_service_data_unit parameter of the MA_DATA.request primitive."ଣଣଣ |
| | | Response Response Status O |

| CI 31B SC 31B.3.2.2 P 46 L 3 Comment # 44 Barrass, Hugh Cisco Systems | C/ 31B SC 31B.3.2.6 P 46 L 1 Comment # 221 Shimon Muller Sun Microsystems, Inc |
|---|---|
| Comment Type T Comment Status X Figure 31B-1 is changed but the accompanying text has been left. This would result in | Comment Type ER Comment Status D Changing the state diagram on Figure 31B-1 has ramifications on its supporting text in |
| contradictions and meaningless sections of text in the draft.d | multiple places. |
| Suggested Remedy | Suggested Remedy |
| In the definition of the variable transmission_in_progress, change "TransmitFrame" to "MA_DATA.request" Response Response Status O | I ran out of steam here, so I am giving the editor editorial license of what the precise changes should be. Following are the locations in the original text that require changes: - Subclause 31B.3.1 requires a major rewrite. It is based on using the TransmitFrame function and of all its associated parameters in the state diagram. Need to convert the entire text to comply with the MA_DATA.request semantics. |
| C/ 31B SC 31B.3.2.3 P 46 L 5 Comment # 42 Barrass, Hugh Cisco Systems Cisco Systems | Delete 31B.3.2.3, and renumber the following subclauses. In subclause 31B.3.2.5 need to expand the definition of MA_DATA.request. It is used by the MAC client to request data transmission from MAC Control, but it is also used by MAC Control to request both data and control frames' transmission from the MAC. Also, need |
| Comment Type T Comment Status X Figure 31B-1 is changed but the accompanying text has been left. This would result in contradictions and meaningless sections of text in the draft.d Suggested Remedy Suggested Remedy Change "TransmitFrame" to "MA_DATA.request"d | to specify the context of its use in the state diagram, similar to what I suggested for Figure 31-4. - Subclause 31B.3.4.2: - Uses the ReceiveFrame function in the DA definition. - Uses the TransmitFrame function in the transmission_in_ progress definition. - Subclause 31B.3.7: uses TransmitFrame function in the 2-nd paragraph. |
| Response Response Status O | *** There may be more that I missed both here and in clause 31. Also, I am not sure that I was looking at the final version on the master document. An independent sanity check is strongly encouraged. |
| | Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. |

The editor will do his best...

| C/ 31B | SC 31B.3.2.6 | P 46 | L 15 | Comment # 222 | l |
|------------|--------------|----------------|---------|---------------|---|
| Shimon Mul | ler | Sun Microsyste | ms, Inc | | |

Comment Type TR Comment Status D

As part of the changes to the state diagram on Figure 31B-1, the HALT TX state has been eliminated. I am not sure what the motivation for that is, but there was actually a good reason why I put it in there in the first place. Consider the following scenario:

* At the beginning of time the MAC is initialized and put on-line. In order for the MAC client to be able to send the first frame, we need to initialize the pause timerDone variable to true in INITIALIZE TX, so that we can proceed to PAUSED and TRANSMIT READY and wait for the frame from the MAC client.

* At some point later, let's assume that a pause frame was received with a non-zero value for n guanta rx. This will rearm the pause timer and will force the pause timerDone variable to false. For a fast network and a long link, the timer value can be very large. * Now let's assume that during the time that the pause timer is doing its thing, we want to

disable the MAC (change a programmable value while the MAC is off-line) and then we enable it again. All this before the pause time expired.

* Based on the new state diagram, we will re-initialize the pause timerDone variable to true, and if the MAC client has a frame ready to go, we will send it out before the pause time has expired, in violation of the standard.

The underlying assumption here is that transmitEnabled isnot necessarily the same as reset. Also, we used the generic BEGIN rather than reset, so that we can imply that as part of the BEGIN sequence there will be a transmitEnabled at some point.

Suggested Remedy

Reinstate the HALT TX state.

Response Response Status W

PROPOSED ACCEPT.

C/ 31B SC 31B.3.2.6

P 46 / 30

Shimon Muller

Sun Microsystems, Inc

Comment Type E Comment Status X

The new state diagram uses the constant "reserved mc address" rather than the original "reserved multicast address", which is what is defined in 31B.3.2.1.

Suggested Remedy

Reconcile the two in four places in the state diagram. My preference is "reserved multicast address".

Response Response Status 0

| C/ 31B | SC 31B.3.2.6 | P 46 | L 49 | Comment # | 220 |
|--------------|--------------|------------------|-------------|-----------|-----|
| Shimon Mulle | er | Sun Microsystems | s, Inc | | |

Shimon Muller

Comment Type Е Comment Status X

There is no need to spell out "Generate" while you are in a given state. It is implied by state diagram conventions.

Suggested Remedy

Delete "Generate" in two places (states SEND CONTROL FRAME and SEND_DATA_FRAME).

Response Response Status O

| C/ 31B | SC 31B.3.3 | P 46 | L 9 | Comment # 140 |
|-------------|------------|------------------|-----|---------------|
| Dawe, Piers | | Agilent | | |
| Comment Typ | e E | Comment Status X | | |

Editorials

Suggested Remedy

Please include the relevant subclause title (31B.3.3). d'Please include (stricken) the figure before the changes. While you have the figure open for edit, please consider using 8 point font instead of 7 point.

Response Status 0 Response

| C/ 31B | SC 31B.3.4.2 | P 46 | L 3 | Comment # 45 | |
|------------|--------------|------------------|-----|--------------|--|
| Barrass, H | ugh | Cisco Systems | | | |
| Comment | Туре Т | Comment Status X | | | |

Figure 31B-1 is changed but the accompanying text has been left. This would result in contradictions and meaningless sections of text in the draft.d

Suggested Remedy

In the definition of the variable transmission in progress, change "TransmitFrame" to "MA DATA.request"

Response Response Status **O**

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

Comment # 219

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| C/ 31B Barrass, Hu | SC 31B.3.7 ugh | P 46 Cisco Systems | L 3 | Comment # 43 | Cl 43B Booth, Brad | SC 43B.2 | P 47 Intel | L 32 | Comment # 71 |
|------------------------------|----------------------------|--|------------|---------------------------|------------------------------------|---|---|-------------|--------------------------|
| | 31B-1 is change | Comment Status X d but the accompanying text ha ningless sections of text in the o | | ft. This would result in | Comment T Keep e | | Comment Status D on closer to affect text and remo | ve unchan | ged text. |
| Suggested | Remedy | h, change "TransmitFrame" to " | | A.request"♂ | | editing instruction | on to before bullet d) and chang emove the remaining unchanged | | |
| esponse | | Response Status O | | | Response PROP | DSED ACCEP | Response Status W | | |
| 2/ 43 Barrass, Hu | SC 43.4.2.2 ugh | P 47 Cisco Systems | L 1 | Comment # 26 | C/ 43B Grow, Rob | SC 43B.2 ert | P 47 Intel | L 55 | Comment # 188 |
| Comment 7 New cl | 51 | Comment Status X "tagged" reference | | | Comment T Use co | <i>Type</i> ER mplete defined | Comment Status D | | |
| | e subclause 43.4 | I.2.2 as follows be tagged" to "they shall not be | tagged o | r envelope format frames" | Suggested Chang Response | • | all not be tagged frames or enve Response Status W | lope frame | •s" |
| Response | | Response Status O | | | PROP | DSED ACCEP | т. | | |
| 2/ 43 arrass, Hu | SC 43.7.15 ugh | P 47 Cisco Systems | L 1 | Comment # 28 | Cl 43B Barrass, Hi | SC 43B.6.2 Jgh | Cisco Systems | L 6 | Comment # 30 |
| Comment T New cl | | Comment Status X "tagged" reference | | | Comment T New cl Suggested | ause change fo | Comment Status X or "tagged" reference | | |
| | e subclause 43.7 | | | | | e subclause 43 | B.6.2.3 as followsೆChange "No | ot tagged" | o "Not tagged or |
| Change Response | e "Not tagged" to | "Not tagged or envelope forma Response Status O | ť | | Response | | Response Status O | | |
| / 43 arrass, Hi | SC 43.7.23 | P 47 Cisco Systems | <i>L</i> 1 | Comment # 29 | <i>Cl</i> 45 Barrass, Hi | SC 43.5.3.2 Jgh | P 47 Cisco Systems | L 1 | Comment # 27 |
| omment T | Туре Т | Comment Status X "tagged" reference | | | | ause change fo | Comment Status X or "tagged" reference | | |
| <i>uggested</i> Change | Remedy e subclause 43.7 | 7.23 as follows∂∂Change "Not ta | gged" to | "Not tagged or envelope | | e subclause 43 | 3.5.3.2 as follows of be tagged" to "they shall not b | e tagged o | r envelope format frames |
| Response | for 2 references | Response Status O | | | Response | | Response Status O | | |

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 Page 38 of 44 9/13/2005 8:57:48 PM C/ 45 SC 43.5.3.2

| CI 4A SC 4 David V James | A.2.9 P 32 JGG | L 39 | Comment # 193 | C/ 57 SC 57.4.2 Booth, Brad | P 49 Intel | L 27 | Comment # 72 |
|---|--|--|---|---|---|--------------|---------------|
| This code seen | TR Comment Status I ms either to be Pascal-like, whi ed.Neither is OK. | - | tion, or something else t | Comment Type E Keep editing instructio Suggested Remedy | Comment Status X in closer to affect text. | | |
| Suggested Remedy | | | | | on below the subclause heade | er. | |
| Use a defined l | language that has compilers, p | erferably C. | | Response | Response Status 0 | | |
| Fix here and the | 0 | | | | | | |
| Response PROPOSED R | Response Status N REJECT. | N | | C/ 57 SC 57.4.2 Grow, Robert | P 49 Intel | L 31 | Comment # 187 |
| Changing from | Pascal to C is out of scope for | this project. | | Comment Type ER | Comment Status D | | |
| C/ 57 SC 57 | | L 33 | Comment # 31 | Use complete defined | names | | |
| Barrass, Hugh | | Systems | | Suggested Remedy Change to read " sha | all not be tagged frames or en | velope frame | es " |
| | T Comment Status 2 ange for "tagged" reference | ζ. | | Response | Response Status W | | |
| Suggested Remedy | 0 00 | | | PROPOSED ACCEPT | , | | |
| | ause 57.3.3 as follows∛Change | ≥ "cannot be tagg€ | d" to "cannot be tagged | C/ 57 SC 57.4.2 Booth, Brad | P 49 Intel | L 32 | Comment # 73 |
| Response | Response Status |) | | <i>Comment Type</i> E Missing a period. | Comment Status X | | |
| Cl 57 SC 57 Barrass, Hugh | 7.3.3.2 P 49 Cisco S | L 27 Systems | Comment # 46 | Suggested Remedy Add a period after "Fig | ure 57-9." | | |
| · · · / | T Comment Status 2 o Clause 2.1 must be reflected | | cument. | Response | Response Status O | | |
| Suggested Remedy | , the MAC's TransmitFrame fur to♂♂"(i.e., the MAC's MA_DATA | nction is synchron A.request function | ous, and is never is synchronous, and is | C/ 57 SC 57.4.2 Dawe, Piers | P 49 Agilent | L 32 | Comment # 141 |
| interrupted)"ddt | | | | Comment Type E Lost a full stop. | Comment Status X | | |
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| interrupted)" art never interrupte | , | D | | • | d of sentence. Response Status O | | |

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 COMMENT STATUS: D/dispatched A/accepted R/rejected
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 U/unsatisfied Z/withdrawn
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 C/ 57
 SC 57.4.2

| CI 57 SC 57.5.2 | 1 <i>P</i> 50 | L 1 | Comment # 143 | C/ 61 SC 61.2.2.7.3 P 51 L 1 Comment # 32 |
|---|--|-----------------|-------------------------|---|
| Dawe, Piers | Agilent | | | Barrass, Hugh Cisco Systems |
| Comment Type T | Comment Status X | | | Comment Type T Comment Status X |
| | n't make sense to me 'The mini | | | New clause change for "tagged" reference∂ |
| | hat? This is my attempt at gue d of some unnecessary capitals | | | Suggested Remedy |
| uggested Remedy | · · · · · · · · · · · · · · · · · · · | | | Change subclause 61.2.2.7.3 as follows d'Change "(i.e. maxUntaggedFrameSize + |
| Prior to exchanging number, probably no | and agreeing upon a maximum ot 512] OAMPDUs with size bet e octets, inclusive. maxBasicFr | tween minFra | meSize / 8 and | qTagPrefixSize, currently 1522 octets (see 3.5, 4.2.7.1 and 4.4))" to "(i.e. maxUntaggedFrameSize + qTagPrefixSize or maxEnvelopeFrameSize, currently 15: 2000 octets (see 3.5, 4.2.7.1 and 4.4))"d |
| esponse | Response Status O | | | Response Response Status O |
| 57 SC 57.5.2 | | L 1 | Comment # 142 | C/ 64 SC P 46 L 15 Comment # 98 Brown, Benjamin Motorola |
| awe, Piers | Agilent Comment Status X | | | Comment Type TR Comment Status D You forget multi point mac control |
| uggested Remedy | elevant subclause title (57.5.2.1 | 1). | | Suggested Remedy Modify clause 64 |
| per comment esponse | Response Status O | | | Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. |
| / 61 SC 61.1.4 | | L 60 | Comment # 64 | Modifications to include MA_DATA.request & MA_DATA.indication service primitives Fig 31B-1 required for Fig 64-10, 11, 12, 13 |
| arrass, Hugh | Cisco System | ns | | C/ 64 SC 64.1.3 P 50 L 60 Comment # 47 |
| mment Type T | Comment Status X | | | Barrass, Hugh Cisco Systems |
| Now clause change | for frame length. frame buffer in the Clause 61 P matching to operate; in the rece | | | Comment Type T Comment Status X The changes to Clause 2.1 must be reflected throughout the document.♂ |
| There is an implied the MAC-PHY rate r | | | | Suggested Remedy |
| There is an implied the MAC-PHY rate r reassemble frames | | | | Suggested Remedy |
| There is an implied the MAC-PHY rate r reassemble frames iggested Remedy | from fragments. | | | Change figure 64.3 (2 instances)∛d"TransmitFrame(DA, SA, Length/Type, |
| There is an implied the MAC-PHY rate r reassemble frames uggested Remedy Add a paragraph at Note: the MAC_PH some form of frame | from fragments. the end of the subclause: Y rate matching function and PN buffer for many implementation | ns. It is recom | mended that these frame | |
| There is an implied the MAC-PHY rate r reassemble frames uggested Remedy Add a paragraph at Note: the MAC_PH some form of frame | from fragments. the end of the subclause: Y rate matching function and PN buffer for many implementation zed to accommodate the longes | ns. It is recom | mended that these frame | Change figure 64.3 (2 instances)් "TransmitFrame(DA, SA, Length/Type, data)" |

| C/ 64 | SC 64.2. | 1 | P 50 | L 60 | Comment # | 48 | C/ 64 | SC 64.2.2 | P 50 | L 60 | Comment # 50 |
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| Barrass, H | lugh | | Cisco Systems | 6 | | | Barrass, H | Hugh | Cisco Systems | | |
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| | | es of "Receivel b "MA_DATA. | Frame" to "MA_DAT/ request"ನ | A.indication | "ẩởChange | | "MA_ | DATA.request(C | 'TransmitFrame(DA, SA, Length/)A, SA, data)"ୈandି change "NG | OTE—Tra | nsmitFrame" to |
| Response | | Respor | nse Status O | | | | Trans | | equest"ਰੋਟੀn the body of the claus nerated for transmission." to "a ission."ਰੋਟੋ | | |
| 2/ 64 Barrass, H | SC 64.2. | 2 | P 50 Cisco Systems | L 60 | Comment # | 49 | Response | • | Response Status O | | |
| comment | Туре Т | Comn | nent Status X | | | | C/ 64 | SC 64.2.2.4 | P 50 | L 60 | Comment # 52 |
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| Suggested Figure "MA_[| SC 64.2. | ge "ReceiveFra ion(DA, SA, d <i>Respol</i> | ame(DA, SA, Length ata)"ೆ | /Type, data <i>L</i> 60 | | 51 | Comment The c Suggester Chan data) | ' Type T hanges to Claus d Remedy ge "ReceiveFrar 'ঔChange "Trar ata)"ঐ | Comment Status X se 2.1 must be reflected througho me(DA, SA, Length/Type, data)" t | to "MA_D/ | ATA.indication(DA, SA, |
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Page 41 of 44 C/ 64 SC 64.2.2.7

| C/ 64 SC Barrass, Hugh | C 64.2.2.7 | P 50 Cisco Systems | L 60 | Comment # 53 | C/ 64 Barrass, H | SC 64.3 . Iugh | 3.6 | P 50 Cisco System | L 60 s | Comment # | 57 |
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| Suggested Rem Figure 64-1 | <i>edy</i> 0 and 64-11, | change "ReceiveFrame(DA, //A_DATA.indication(DA, SA | SA, Lengtl | n/Type, | Suggester Figure | d Remedy e 64-18, 64-2 | 0, 64-21 (2 ins | stances) and 64-22 /Type, data_tx)" to " | (4 instances | s) change | , data_tx)' |
| Response | | Response Status O | | | Response | • | - | nse Status O | _ | | / |
| C/ 64 SC Barrass, Hugh | C 64.3.3 | P 50 Cisco Systems | L 60 | Comment # 55 | C/ 64 Barrass, F | SC 64.3 . Iugh | 4 | P 50 Cisco System | L 60 s | Comment # | 58 |
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| Figure 64-1 | , | 64-17 change "TransmitFram SA, data)"♂ | ne(DA, SA | , Length/Type, data)" to | Figure | e 64-23 chan | ge "TransmitF st(DA, SA, data | rame(DA, SA, Leng a)"♂ | th/Type, dat | a)" to | |
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| C/ 64 SC Barrass, Hugh | 64.3.3.3 | P 50 Cisco Systems | L 60 | Comment # 56 | C/ 64 Barrass, ⊦ | SC 64.3. Iugh | 4.3 | P 50 Cisco System | L 60 s | Comment # | 59 |
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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 Page 42 of 44 9/13/2005 8:57:48 PM C/ 64 SC 64.3.4.3.6

| C/ 64 SC 64.3.5 Barrass, Hugh | P 50 Cisco Systems | L 60 | Comment # 61 | C/ 64 Barrass, Hug | SC 64.4.4.4 gh | P 51 Cisco Systems | L 2 | Comment # | 34 |
|---|---|--|---|--|--|---|---------------------------------|--|---------------------------------------|
| Comment Type T The changes to Claus | Comment Status X se 2.1 must be reflected throughout | ut the docu | iment.♂ | Comment Ty New clau | | Comment Status X "tagged" reference | | | |
| Suggested Remedy Figure 64-26 change "MA_DATA.request(D | "TransmitFrame(DA, SA, Length/)A, SA, data)"♂ | Type, data |)" to | <i>Suggested F</i> Change format" | • | I.4.4 as follows∛ેChange "not ta | agged" to | "not tagged or e | envelope |
| Response | Response Status O | | | Response | | Response Status O | | | |
| C/ 64 SC 64.3.5.3 Barrass, Hugh | Cisco Systems | L 60 | Comment # 62 | C/ 65 Barrass, Hug | • | P 50 Cisco Systems | L 60 | Comment # | 65 |
| Suggested Remedy | Comment Status X se 2.1 must be reflected throughout me(DA, SA, Length/Type, data)" t | | | (Burst m for trans code is c | , use change for ode and FEC) mission and the checked. Additi | Comment Status X frame length.ddThere is an imp PCS. The transmit buffer accon e receive buffer accommodates onally, the number of FEC block r a 2000 byte frame.dd | nmodates a frame | s a frame or fram or frames while t | nes waiting the FEC |
| Response | Response Status O | | | | aragraph at the | end of the subclause:d'd'Note: M | | | the |
| arrass, Hugh Comment Type T | Cisco Systems Comment Status X | L 60 | Comment # 63 | supporte the longe also reco requiring | ed. It is recomment est frame formation commended that | Iffers might be dependant on the nended that these frame buffers at as defined in 3.1 (i.e. "envelop t the FEC function should accom ode blocks per frame. | should b be frame | e sized to accon format," 2000 by | nmodate ytes). It is |
| arrass, Hugh omment Type T The changes to Claus <i>uggested Remedy</i> Figure 64-27 change "MA_DATA.request(D | Cisco Systems | ut the docu | iment.♂ | supporte the longe also reco | ed. It is recommest frame formation formation formation formation for the second state of the second state | nended that these frame buffers at as defined in 3.1 (i.e. "envelop t the FEC function should accon | should b be frame | e sized to accon format," 2000 by | nmodate ytes). It is ne format, |
| arrass, Hugh comment Type T The changes to Claus cuggested Remedy Figure 64-27 change "MA_DATA.request(D cesponse c/ 64 SC 64.3.6 arrass, Hugh | Cisco Systems <i>Comment Status</i> X se 2.1 must be reflected throughor "TransmitFrame(DA, SA, Length/ DA, SA, data_tx)" (2 instances)o | ut the docu | iment.♂ | supporte the long also reco requiring <i>Response</i> <i>Cl</i> 99 Grow, Rober <i>Comment Ty</i> Needs m <i>Suggested R</i> To be pr | ed. It is recommended that frame formation formation for the formation of the second state of the second s | ended that these frame buffers at as defined in 3.1 (i.e. "envelop t the FEC function should accom ode blocks per frame. <i>Response Status</i> O <i>P</i> 2 Intel <i>Comment Status</i> D front matter for Sponsor Ballot. | should b be frame nmodate | e sized to accon format," 2000 by the longest fram | nmodate ytes). It is ne format, |
| Barrass, Hugh Comment Type T The changes to Claus Suggested Remedy Figure 64-27 change "MA_DATA.request(D Response CI 64 SC 64.3.6 Barrass, Hugh Comment Type T New clause change for Suggested Remedy | Cisco Systems <i>Comment Status</i> X se 2.1 must be reflected throughor "TransmitFrame(DA, SA, Length/)A, SA, data_tx)" (2 instances)♂ <i>Response Status</i> O <i>P</i> 51 Cisco Systems <i>Comment Status</i> X or "tagged" reference 4.3.6 as follows♂∂Change "they sh | ut the docu Type, data <i>L</i> 2 | ıment.♂ _tx)" to <i>Comment</i> # [<u>33</u> | supporte the long also reco requiring <i>Response</i> <i>Cl</i> 99 Grow, Rober <i>Comment Ty</i> Needs m <i>Suggested R</i> To be pr <i>Response</i> PROPOS | ed. It is recommended that frame formation formation for the formation of the second s | nended that these frame buffers at as defined in 3.1 (i.e. "envelop t the FEC function should accom ode blocks per frame. <i>Response Status</i> O <i>P</i> 2 Intel <i>Comment Status</i> D Front matter for Sponsor Ballot. | should b be frame nmodate | e sized to accon format," 2000 by the longest fram | nmodate ytes). It is ne format, |

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| Dawe, Piers | SC 99 | P 1 | L 25 | Comment # 115 |
|--|--|--|---|---|
| | S | Agilent | | |
| | s the size of the | Comment Status X e IEEE 802.3 frame format' so fact that the frame itself can be | | ormats rather than two. |
| Suggested | Remedy | | | |
| Sugges format | | tends the size of the IEEE 802 | .3 frame wit | h an envelope frame |
| Response | | Response Status O | | |
| C/ All | SC All | P AII | L All | Comment # 206 |
| Shimon Mu | ller Tvpe ER | Sun Microsyst Comment Status D | ems, Inc | |
| what th Further a very p change code.TI Suggested Unless would s - In the Rathe entire p - In the If you | e final text is. more, from my painful way) that is in these clau herefore, I belie <i>Remedy</i> the change is v suggest the foll- text: ir than do piecee paragraph and i Pascal code: are changing a elow it with the i stand that this i | emeal insertion and deletion of insert a new paragraph right b a Pascal statement, strike the e new text. | editorof the trouble figu This is partic uld be veryc dding ordele words and o elow it with t ntire statem | se clauses, I found out (in ring out how tomerge the cularly true for the Pascal risp and unambiguous. eting an entire sentence), I characters, strike the he new text. |
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