

CI 00 SC 0 P I L 30 # 69
Marris, Arthur Cadence

Comment Type T Comment Status X

"It provides an accurate indication of the transmission and reception initiation times of certain packets as required to support IEEE Std P802.1AS-201X."

is not an entirely accurate description of what the amendment is doing.

SuggestedRemedy

Change:

"It provides an accurate indication of the transmission and reception initiation times of certain packets as required to support IEEE Std P802.1AS-201X."

To:

"It defines the Time Synchronization service interface to indicate when frames cross the medium independent interface and PHY management objects to report the latency in passing frames between the MDI and medium indenpent interface. This is required to support IEEE Std P802.1AS-201X."

Also change 'abstract' on page II.

Proposed Response Response Status O

CI 00 SC 0 P VII L 2 # 64
Marris, Arthur Cadence

Comment Type ER Comment Status X

This should be referring to the IEEE 802.3 working group ballot. P802.3bf is a task force.

SuggestedRemedy

Change:

"The following individuals were members of the IEEE 802.3 working group at the beginning of the P802.3bf working group ballot."

To:

"The following individuals were officers and members of the IEEE 802.3 working group at the beginning of the working group ballot."

Also make Valerie Maguire the treasurer.

Proposed Response Response Status O

CI 00 SC 0 P X L 16 # 60
Marris, Arthur Cadence

Comment Type E Comment Status X

Make date a placeholder

SuggestedRemedy

Change:

"15 September 200X"

To:

"XX XXXX 201X"

Proposed Response Response Status O

CI 45 SC 45.2.1.100 P 5 L 38 # 61
Marris, Arthur Cadence

Comment Type E Comment Status X

Mention latency here.

SuggestedRemedy

Change:

"identifies the capability of the given PHY to provide the transmit and receive paths"

To:

"indicates the capability of the PHY to report the transmit and receive latency between the MII and MDI"

Proposed Response Response Status O

CI 45 **SC 45.2.1.101** **P 6** **L 6** # **70**
Marris, Arthur Cadence

Comment Type **T** **Comment Status** **X**

It might help to define 'link is established' as when bit 2 in PMA/PMD status register 1 is high.

SuggestedRemedy
Consider changing:
"The values contained in these registers are valid when the link is established."

To:
"The values contained in these registers are valid when the link is established as indicated by bit 2 in register 1.1 (see 45.2.1.2.2)."

make similar change for the receive latency registers.

Proposed Response **Response Status** **O**

CI 90 **SC 90.4.1** **P 9** **L 44** # **71**
Marris, Arthur Cadence

Comment Type **T** **Comment Status** **X**

Isn't the MAC control layer defined in Clause 31 a client of the MAC?

SuggestedRemedy
Delete:
"definition of the MAC Client is outside of scope of IEEE Std 802.3"

Proposed Response **Response Status** **O**

CI 90 **SC 90.4.1** **P 9** **L 52** # **56**
Anslow, Peter Ciena

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

In "any type of IEEE Std 802.3 media independent interfaces", "interfaces" should be "interface"

SuggestedRemedy
Change "interfaces" to "interface"

Proposed Response **Response Status** **O**

CI 90 **SC 90.4.2.3** **P 11** **L 15** # **57**
Anslow, Peter Ciena

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

In "The TS service interface support the exchange" "support" should be "supports"

SuggestedRemedy
Change "support" to "supports"

Proposed Response **Response Status** **O**

CI 90 **SC 90.4.3.1** **P 11** **L 24** # **72**
Marris, Arthur Cadence

Comment Type **T** **Comment Status** **X**

This does not read right.

SuggestedRemedy
Change:
"This primitive defines the transfer of a indication of an event between gRS and the TimeSync Client."
To:
"This primitive is used to indicate the event of a transmit frame passing through the gRS."

Proposed Response **Response Status** **O**

CI 90 **SC 90.4.3.1** **P 11** **L 24** # **58**
Anslow, Peter Ciena

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

In "This primitive defines the transfer of a indication of an event" "a indication" should be "the indication"
Same in 90.4.3.2

SuggestedRemedy
Change "a indication" to "the indication" here and in 90.4.3.2

Proposed Response **Response Status** **O**

CI 90 SC 90.4.3.1.1 P 11 L 24 # 73
Marris, Arthur Cadence
Comment Type T Comment Status X
Please use 'NOT DETECTED' as was agreed in the resolution to comment 31 against the last draft.
SuggestedRemedy
Change:
"UNDETECTED"
To:
"NOT DETECTED"
and elsewhere in the document.
Also change:
"any of the following two values"
To:
"either of the following two values"
Proposed Response Response Status O

CI 90 SC 90.4.3.1.1 P 11 L 32 # 65
Anslow, Peter Ciena
Comment Type T Comment Status X
Since in 90.5.1 we have: "The service primitive across the TS service interface i.e. TS_TX.indication is generated only when the SFD sequence is detected on the transmit signals. Otherwise, the status of TS_TX.indication is undefined." what is the purpose of defining the SFD parameter value of UNDETECTED?
Same issue for TS_RX.indication(SFD)
SuggestedRemedy
Remove the value "UNDETECTED" or use it for something
Same in 90.4.3.2.1
Proposed Response Response Status O

CI 90 SC 90.4.3.2 P 11 L 50 # 74
Marris, Arthur Cadence
Comment Type T Comment Status X
This could be worded better.
SuggestedRemedy
Change:
"This primitive defines the transfer of a indication of an event between gRS and the TimeSync Client."
To:
"This primitive is used to indicate the event of a receive frame passing through the gRS."
Proposed Response Response Status O

CI 90 SC 90.4.3.2.1 P 12 L 3 # 62
Marris, Arthur Cadence
Comment Type E Comment Status X
Change 'any' to 'either'
SuggestedRemedy
Change 'any' to 'either'
Proposed Response Response Status O

CI 90 SC 90.5 P 12 L 32 # 63
Marris, Arthur Cadence
Comment Type E Comment Status X
Change:
"responsible for generation of the TS_TX.indication and TS_RX.indication service primitives, respectively, across the TS service interface defined in 90.4"
To:
"which are responsible for generation of the TS_TX.indication and TS_RX.indication service primitives defined in 90.4"
SuggestedRemedy
Change:
"responsible for generation of the TS_TX.indication and TS_RX.indication service primitives, respectively, across the TS service interface defined in 90.4"
To:
"which are responsible for generation of the TS_TX.indication and TS_RX.indication service primitives defined in 90.4"
Proposed Response Response Status O

CI 90 SC 90.5.1 P 12 L 40 # 59
Anslow, Peter Ciena
Comment Type E Comment Status X
"instantied" isn't a word
same in 90.5.2
SuggestedRemedy
Change "instantied" to "instantiated" and also in 90.5.2
Proposed Response Response Status O

CI 90 SC 90.5.1 P 12 L 44 # 75
Marris, Arthur Cadence
Comment Type T Comment Status X
TS_TX.indication is not undefined otherwise.
SuggestedRemedy
Change:
"The service primitive across the TS service interface i.e. TS_TX.indication is generated only when the SFD sequence is detected on the transmit signals. Otherwise, the status of TS_TX.indication is undefined."
To:
"On detection of SFD by the TS_SFD_Detect_TX function TS_TX.indication(SFD) signals DETECTED otherwise it signals NOT DETECTED."
Make similar change in 90.5.2.
Proposed Response Response Status O

CI 90 SC 90.6 P 13 L 31 # 55
Anslow, Peter Ciena
Comment Type E Comment Status X
The two references to "Clause 30" should be black and links since Clause 30 is included in the draft.
Same for Clause 45 in 90.7
SuggestedRemedy
Change the two instances of "Clause 30" to black font and make them links.
Change the two instances of "Clause 45" in 90.7 to black font and make them links.
Proposed Response Response Status O

CI 90 SC 90.6 P 13 L 31 # 77
Marris, Arthur Cadence
Comment Type T Comment Status X
Should not say changes as this will be meaningless once the standard is published.
SuggestedRemedy
Change:
"Changes to Clause 30 for the optional support of TimeSync capability are summarized below:"
To:
"Objects defined in Clause 30 for the optional support of TimeSync capability are summarized below:"
Proposed Response Response Status O

CI 90 SC 90.7 P 13 L 45 # 78
Marris, Arthur Cadence
Comment Type T Comment Status X
Put a table in here and remove the word changes.
SuggestedRemedy
Change:
"Clause 45 describes the Management Data Input/Output (MDIO) Interface for any of the IEEE Std 802.3 compliant PHYs. Changes to Clause 45 for the optional support of TimeSync capability are summarized below:"
To:
"The optional MDIO capability described in Clause 45 defines several variables that provide TimeSync status information for the PMD. If MDIO is implemented, it will map MDIO TimeSync status variables to PMD status variables as shown in Table 90-X."
Insert table called "MDIO/PMD status variable mapping" and delete 90.8.
Proposed Response Response Status O

CI 90 SC 90.8 P 14 L 4 # 76
Marris, Arthur Cadence
Comment Type T Comment Status X
Delete 90.8
SuggestedRemedy
Delete 90.8 and add a table called "MDIO/PMD status variable mapping" to 90.7.
Proposed Response Response Status O

CI 90 SC 90.9 P 14 L 16 # 80
Marris, Arthur Cadence

Comment Type T Comment Status X

Why not just call MP2 the MDI?

SuggestedRemedy

Delete the note at the top of page 15 as it is confusing and unnecessary. Replace the note with :
"MP2 is at the MDI."

Also change:
"namely a minimum and a maximum PHY latency values, observed over the number of conducted PHY latency measurements"
To:
"namely a minimum and a maximum PHY latency value"

Proposed Response Response Status O

CI 90 SC 90.9 P 14 L 17 # 68
Anslow, Peter Ciena

Comment Type T Comment Status X

This says "The measurement of the PHY latency shall be conducted with 1 ns precision"
To achieve this level of precision (0.1 UI for 100 Mbit/s), the definition of the two events needs to be much more precise than currently defined.

Presumably one event is the assertion of TS_TX.indication or TS_RX.indication by the gRS. What is the definition of the other event? This must define which edge passing the MDI starts or stops the delay measurement

SuggestedRemedy

Define the two times precisely. At MP1 this is the assertion of TS_TX.indication or TS_RX.indication. At MP2 define which edge passing the MDI defines the start or stop time.
Also, in Figure 90-3 it would be better to show MP1 at the TS service interface since this is where the event of the assertion of TS_TX.indication or TS_RX.indication is observable.

Proposed Response Response Status O

CI 90 SC 90.9 P 14 L 17 # 79
Marris, Arthur Cadence

Comment Type T Comment Status X

Just because the register can report 1 ns precision does not mean the PHY has to.

SuggestedRemedy

Delete "measurement of the PHY latency shall be conducted with 1 ns precision, while the"

Proposed Response Response Status O

CI 90 SC 90.9 P 14 L 51 # 66
Anslow, Peter Ciena

Comment Type T Comment Status X

Since "the method used for the PHY latency measurement is outside the scope of this specification" the title of Figure 90-3 should not be "PHY latency measurement methodology"

SuggestedRemedy

Change the title to "PHY latency measurement points"

Proposed Response Response Status O

CI 90 SC 90.9 P 15 L 1 # 67
Anslow, Peter Ciena

Comment Type T Comment Status X

This says "MP2 is located at the bottom of the MDI," but the MDI does not have a top and bottom, it is an interface point. See for instance Figure 52-2.

SuggestedRemedy

Change this to "MP2 is located at the MDI,"
Also, in Figure 90-3 show the dotted line for MP2 going through the centre of the MDI box to bring it in to line with the architecture diagrams such as Figures 21-1, 34-1, 44-1 etc.

Proposed Response Response Status O

<i>Cl</i> 90	<i>SC</i> 99.10	<i>P</i> 16	<i>L</i> 1	# <div><div>54</div></div>		
Anslow, Peter		Ciena				
<i>Comment Type</i>	E	<i>Comment Status</i>	X			
The numbering still changes to 99 part way through clause 90.						
See comment 52 against D 0.21						
<i>SuggestedRemedy</i>						
99.10 onwards should be re-numbered 90.10 etc.						
<i>Proposed Response</i>	<i>Response Status</i> O					