IEEE P802.3cx D2.4 ITSA Task Force 4th Working Group recirculation ballot comments

Comments Received

<table>
<thead>
<tr>
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<tr>
<td>45</td>
<td>45.2.1.176</td>
<td>27</td>
<td>33</td>
<td>575</td>
</tr>
</tbody>
</table>

Kabra, Lokesh
Synopsys Inc

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

The definition has redundant terms. "the integer nanosecond portion of the" in the beginning and the "expressed in units of ns" convey the same information.

This comment and proposed change also applies to similar text in 30.13.1.4 - 1.6

**Suggested Remedy:**
Delete "integer nanosecond portion of the".
Change "units of ns" to "units of integer nanoseconds"

**Comment Status:** X
**Response Status:** O

**Proposed Response**

<table>
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Kabra, Lokesh
Synopsys Inc

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

Inconsistent references; register 3.1813.13 is pointed to section 45.2.3.69a (register definition) while register 5.1813.13 is pointed to register field description sub-section (45.2.5.31.1)

**Suggested Remedy:**
Change "45.2.5.31.1" to "45.2.5.31" in line 49 & line 51

**Proposed Response**

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Kabra, Lokesh
Synopsys Inc

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

Register bit not specified correctly

**Suggested Remedy:**
Change all "1803" to "1800.3" in the 6 sub-bullets

**Proposed Response**

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Kabra, Lokesh
Synopsys Inc

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

Description of bits 1800.2 & .3 indicate sub-ns resolution/units but description of bits 1800.1 & 1800.0 does not indicate any units

Same comment applies to Table 45-230, 45-293, 45-336, 45-361 & 45-375

**Suggested Remedy:**
Update "delay ability" to "delay ability, in ns" in 2nd column
Update "delay in" to "delay with ns resolution in" 3rd column for both bit fields

**Proposed Response**

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Kabra, Lokesh
Synopsys Inc

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

Redundant terms in sentence - "integer nanoseconds portion of the" and "in units of nanoseconds" convey the same information;

Same comment applies in multiple/similar sections/sentences
45.2.1.177, 45.2.2.21/22, 45.2.3.68/69, 45.2.4.29/30, 45.2.5.29/30, 45.2.6.15/16

**Suggested Remedy:**
Delete "integer nanosecond portion of the".
Change "units of nanoseconds" to "units of integer nanoseconds"

Applicable in ine 41/42 also in next paragraph

**Proposed Response**

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Kabra, Lokesh
Synopsys Inc

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

Redundant terms in sentence - "integer nanoseconds portion of the" and "in units of nanoseconds" convey the same information;

Same comment applies in multiple/similar sections/sentences
45.2.1.177, 45.2.2.21/22, 45.2.3.68/69, 45.2.4.29/30, 45.2.5.29/30, 45.2.6.15/16

**Suggested Remedy:**
Delete "integer nanosecond portion of the".
Change "units of nanoseconds" to "units of integer nanoseconds"

Applicable in ine 41/42 also in next paragraph

**Proposed Response**

**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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<table>
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<td>45</td>
<td>&quot;both registers&quot;</td>
<td>Change &quot;both registers&quot; to &quot;both register bits&quot;; Similar changes in 45.2.3.67.2, 45.2.5.28.1/2.</td>
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<td>45</td>
<td>Incorrect sentence construct.</td>
<td>Replace this sentence with &quot;The value of this bit has no impact if the value corresponds to a capability that is not supported in register 3.1800&quot;.</td>
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<tr>
<td>90</td>
<td>90.2</td>
<td>54</td>
<td>51</td>
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<td>X</td>
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<td>90</td>
<td>The identification of specific protocol packets of interest, is beyond the scope of this standard.</td>
<td>Change to &quot;The identification of specific protocol packets of interest, is beyond the scope of this standard&quot;.</td>
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<tr>
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<td>X</td>
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<td>90</td>
<td>When DDMP=FIRST_SYMBOL, TS_TX.indication will be given for all fragments including Continuation frames (SMD-C) to PMAC. But when DDMP=SFD, TS_TX.indication is not given for SMD-C as per the description in this paragraph/line. Should we not make the TS_TX.indication behavior consistent in both modes?</td>
<td>Add a sentence that &quot;When DDMP=FIRST_SYMBOL, the TS_TX.indication is not generated for continuation fragments with SMD-C&quot;. OR change &quot;an SMD-S value has been detected&quot; to &quot;either a SMD-S or SMD-C value has been detected&quot; in line 15.</td>
</tr>
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</table>
Comments Received

IEEE P802.3cx D2.4 ITSA Task Force 4th Working Group recirculation ballot comments

### Comment 90.4.3.1.1

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

The operation to be done is not very clear. The positive value is to be added to the mean/average of the maximum & minimum transmit path data delay given in the corresponding registers.

Same comment for reduction/negative value operation

**Suggested Remedy**

Change the sentence that start with "A positive value ..." to

"A positive value represents an addition to the mean/average of the maximum and minimum PCS transmit path data delay values given by the PCS transmit path data delay registers (see 45.2.3.68). A negative value represents a reduction from the mean/average of the maximum and minimum PCS transmit path data delay values given by the PCS transmit path data delay registers."

**Proposed Response**

Response Status: O

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**Comment 90.4.3.2.1**

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

When DDMP=FIRST_SYMBOL, TS_RX.indication will be given for all fragments including Continuation frames (SMD-C) to PMAC. But when DDMP=SFD, TS_RX.indication is not given for SMD-C as per the description in this paragraph/line. Should we not make the TS_RX.indication behavior consistent in both modes?

**Suggested Remedy**

Add a sentence that "When DDMP=FIRST_SYMBOL, the TS_RX.indication is not generated for continuation fragments with SMD-C".

OR change "an SMD-S value has been detected" to "either a SMD-S or SMD-C value has been detected" in line 15.

**Proposed Response**

Response Status: O

---

**Comment 90.7**

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

The obtained data delay looks to be a different font size/format.

**Suggested Remedy**

Update formatting of this paragraph to be consistent with the rest of document.

**Proposed Response**

Response Status: O

---

**Comment Abstract**

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

Editorial consistency

**Suggested Remedy**

Change "transmit and receive path delays" to "transmit and receive path data delays"

**Proposed Response**

Response Status: O
<table>
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**Suggested Remedy**
- Change "transmit and receive path delays" to "transmit and receive path data delays"