IEEE P802.11
Wireless LANs

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| RESOLUTION OF Clause 6 CIDs  |
| Date: 2022-12-02 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Graham SMITH | SR Technology | Sunrise, FL, USA. | 916 799 9563 | gsmith@srtrl.com |

Abstract

This submission proposes resolution for CIDs 3048 and 3049

Green indicates material agreed to in the group,

yellow material to be discussed, red material rejected by the group and

cyan material not to be overlooked.

The “Final” view should be selected in Word.

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| **CID** | **Page** | **Clause** | **Resn Status** | **Comment** | **Proposed Change** | **Resolution** | **Owning Ad-hoc** |
| 3048 | 2661.00 | 11.25.3 |  | 6.3.116 (MRCS request and response procedure was deleted in D2.0. The reference needs to be updated | Update the reference or remove it. |  | MAC |
| 3049 | 3121.00 | 15.3.7 |  | 6.3.55 was deleted in D2.0. The reference needs to be updated. The same problem is at 3146.55, 3207.19, 3316.56, 3374.58, 3489.17, 3691.14, 3811.45. | Update the reference or remove it. |  | PHY |

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**CID 3048**

**Discussion**

Reference is 2661.45

“An MSCS setup is initiated by a non-AP STA’s SME. How it does this, and how it selects the MSCS

Descriptor parameters, is out of scope of this standard. Setup of an MSCS uses the MLME primitives defined

in 6.3.116 (MSCS request and response procedure).”

6.3.116 was deleted in D 2.0 and replaced as a row in Table 6-1 (P383.6). In Table 6-1, clause 11.25.3 is given as a reference.

Three ways to satisfy this comment:

1. Delete the sentence. The reference is there in the Table – Easiest option
2. Refer to Table 6-1
3. Spell out the primitives (used in a Type 1 exchange, clause 6.3.2).

Option 2

Replace “Setup of an MSCS uses the MLME primitives defined in 6.3.116 (MSCS request and response procedure).”

With “Setup of an MSCS uses the MLME primitives (see Table 6-1).”

Option 3

 Replace “Setup of an MSCS uses the MLME primitives defined in 6.3.116 (MSCS request and response procedure).”

With “Setup of an MSCS uses the MLME-MSCS.request, MLME-MSCS.indication, MLME-MSCS.response and MLME-MSCS.confirm. (see 6.3.2 Type 1).”

Think I like Option 3 in this case.

**RESOLUTION**

**Revised:**

At 2661.45

Replace

“Setup of an MSCS uses the MLME primitives defined in 6.3.116 (MSCS request and response procedure).”

With

“Setup of an MSCS uses the MLME-MSCS.request, MLME-MSCS.indication, MLME-MSCS.response and MLME-MSCS.confirm primitives. (see 6.3.2 Type 1).”

**CID 3049**

**Discussion**

**Context**

Subsequent to an indication of a valid HT-SIG CRC, a PHY-RXSTART.indication(RXVECTOR) primitive

shall be issued. If dot11TimingMsmtActivated is true, the PHY shall do the following:

* Complete receiving the PHY header and verify the validity of the PHY Header.
* If the PHY header reception is successful (and the SIGNAL field is completely recognizable and supported), a PHY-RXSTART.indication(RXVECTOR) primitive shall be issued and RX\_START\_OF\_FRAME\_OFFSET parameter within the RXVECTOR shall be forwarded (see 15.2.3 (RXVECTOR parameters(#1369))).

NOTE—The RX\_START\_OF\_FRAME\_OFFSET value is used as described in 6.3.55 (Timing measurement) in order to estimate when the start of the preamble for the incoming (#14)PPDU was detected on the medium at the receive antenna connector.

ALSO: At the reference 15.2.3 P3113.59

“RX\_START\_FRAME\_OFFSET is an estimate of the offset (in 10 ns units) from the point in time at which the start of the preamble (#14)of the PPDU arrived at the receive antenna connector to the point in time at which this primitive is issued to the MAC.”

*In RXVECTOR reference, e.g., (see 15.2.3) is changed in each place to correspond to the PHY Clause*.

This same note appears 8 times. In each PHY clause.

RX\_START\_FRAME\_OFFSET is defined in TABLES

15-2, 16-5, 18-3, 19-1, 21-1, 22-1, 23-1, 27-1, 28-1.

**Point #1**

**In D1.4 RX\_START\_OF\_FRAME\_OFFSET does not appear at all in 6.3.55, so the reference is simply wrong.**

It first appears in 6.5 4 (now 6.7.4 in D2.0) PLME\_CHARACTERISTICS and refers to

“RX\_START\_OF\_FRAME\_OFFSET value in the PHY-RXSTART. Indication primitive.”

However the plot thickens as

PHY-RXSTART. Indication primitive, clause 8.3.5.13 has no mention of it!!

I think the reference is not needed. It obviously has not been used for decades.

**Repairing the CID. I think we can simply delete the reference as 1) is is wrong, 2) RX\_START\_OF\_FRAME\_OFFSETis well defined, and 3) obviously has not been used for decades.**

**RESOLUTION**

**Revised**

At 3121.37, 3146.55, 3207.19, 3316.56, 3374.57, 4389.17, 3691.14, and 3811.46

Edit NOTE as shown:

The RX\_START\_OF\_FRAME\_OFFSET value is used ~~as described in 6.3.55 (Timing measurement) in~~ order to estimate when the start of the preamble for the incoming (#14)PPDU was detected on the medium at the receive antenna connector.

ALSO,

At P.543.23

Edit “Description” as shown:

An estimate of the maximum error (in units of picoseconds) in the

RX\_START\_OF\_FRAME\_OFFSET value ~~in the PHYRXSTART.~~

~~indication primitive~~. The estimated maximum error includes

any error due to implementation component and environmental (including

temperature) variability.