IEEE P802.11  
Wireless LANs

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| 11bi D1.0 CRs for 10.71.5.5 and 10.71.6.5 | | | | |
| Date: 2025-07-04 | | | | |
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Abstract

This submission proposes resolutions for the following CIDs:

588, 593, 253.

Revisions:

* Rev 0: Initial version of the document.

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGbi D1.0 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbi D1.0 Draft. (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents). TGbi Editor: Editing instructions preceded by “TGbi Editor” are instructions to the TGbi editor to modify existing material in the TGbi draft. As a result of adopting the changes, the TGbi editor will execute the instructions rather than copy them to the TGbi Draft.***

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| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 588 | 10.71.5.5 | 89.14 | "over-the-air Timestamp (OTSF)" -- a timestamp is not a TSF (and it should be lowercase too). At line 20 the "Timestamp" should be lowercase too | Change to "over-the-air timestamp (OTimestamp)" | Revised  TGbi editor to make the changes shown in the latest version of 11-25/1111 under all headings that include CID 588 |
| 593 | 10.71.6.5 | 92.45 | A minus seems to be missing in this equation | As it says in the comment | Revised  Already solved in draft 1.2 |
| 253 | 10.71.6.5 | 95.07 | Please add minus operator to the equation. | Please add minus operator. | Revised  This is likely 92.45, similar to CID 593. Already solved in draft 1.2. |

**Discussion**

Clause 10.71.5.5 and 10.71.6.5 (draft 1.2) before the CIDs:

**10.71.5.5 Timestamp anonymization**

For Privacy Beacon frames, the transmitter shall compute an over-the-air Timestamp (OTSF) value from the Timestamp value of the frame as follows:

OTSF = (Timestamp + EDP\_Timestamp\_offset) mod 264,

where EDP\_Timestamp\_offset is the Timestamp offset value generated for the BPE AP MLD.

The BPE AP shall transmit Privacy Beacon frames over the air using the OTSF value in the Timestamp field (see 9.3.4.4 (Privacy Beacon frame format)).

**10.71.6.5 Timestamp deanonymization**

For Privacy Beacon frames, the receiver shall recover the original Timestamp value (assigned by the transmitter) from the OTSF value encoded in the Timestamp fields as follows:

Timestamp = (OTSF - EDP\_Timestamp\_offset) mod 264,

where EDP\_Timestamp\_offset is the Timestamp offset value generated for the BPE AP MLD.

The recovered original Timestamp value shall replace the OTSF value in subsequent processing of the Privacy Beacon frame in the receiving MLD.

**Discussion**

CID 588:

Revised

For Privacy Beacon frames, the transmitter shall compute an over-the-air\_Timestamp ~~(OTSF)~~ value from the Timestamp value of the frame as follows:

~~OTSF~~over-the-air\_Timestamp = (Timestamp + EDP\_Timestamp\_offset) mod 264,

where EDP\_Timestamp\_offset is the Timestamp offset value generated for the BPE AP MLD.

The BPE AP shall transmit Privacy Beacon frames over the air using the ~~OTSF~~over-the-air\_Timestamp value in the Timestamp field (see 9.3.4.4 (Privacy Beacon frame format)).

**10.71.6.5 Timestamp deanonymization**

For Privacy Beacon frames, the receiver shall recover the original Timestamp value (assigned by the transmitter) from the ~~OTSF~~over-the-air\_Timestamp value encoded in the Timestamp fields as follows:

Timestamp = (~~OTSF~~over-the-air\_Timestamp - EDP\_Timestamp\_offset) mod 264,

where EDP\_Timestamp\_offset is the Timestamp offset value generated for the BPE AP MLD.

The recovered original Timestamp value shall replace the ~~OTSF~~over-the-air\_Timestamp value in subsequent processing of the Privacy Beacon frame in the receiving MLD.

*TGbi editor: Modify clause 10.71.5.5 as follows (track change on):*

**10.71.5.5 Timestamp anonymization**

For Privacy Beacon frames, the transmitter shall compute an over-the-air\_Timestamp (#588) value from the Timestamp value of the frame as follows:

over-the-air\_Timestamp (#588) = (Timestamp + EDP\_Timestamp\_offset) mod 264,

where EDP\_Timestamp\_offset is the Timestamp offset value generated for the BPE AP MLD.

The BPE AP shall transmit Privacy Beacon frames over the air using the over-the-air\_Timestamp (#588) value in the Timestamp field (see 9.3.4.4 (Privacy Beacon frame format)).

*TGbi editor: Modify clause 10.71.6.5 as follows (track change on):*

**10.71.6.5 Timestamp deanonymization**

For Privacy Beacon frames, the receiver shall recover the original Timestamp value (assigned by the transmitter) from the over-the-air\_Timestamp (#588) value encoded in the Timestamp fields as follows:

Timestamp = (over-the-air\_Timestamp (#588) - EDP\_Timestamp\_offset) mod 264,

where EDP\_Timestamp\_offset is the Timestamp offset value generated for the BPE AP MLD.

The recovered original Timestamp value shall replace the over-the-air\_Timestamp (#588) value in subsequent processing of the Privacy Beacon frame in the receiving MLD.