IEEE P802.11  
Wireless LANs

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| Comment Resolution LB253 Parameters – Parameters Part 3 | | | | |
| Date: 2021-01-08 | | | | |
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Abstract

This submission proposes the comment resolution of CID XXXX related to the initial FTM frame in the negotiation; as part of LB253, changes are relative to Draft 3.0.

Revisions:

1. Started on spec text

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 TGax Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGaz Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGaz Editor: Editing instructions preceded by “TGaz Editor” are instructions to the TGaz editor to modify existing material in the TGaz draft. As a result of adopting the changes, the TGaz editor will execute the instructions rather than copy them to the TGaz Draft.***

**The text preceded by “Discussion” is not part of the adopted changes.**

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| **5014** | 77.08 |  | Add BSS color information field to the Non-TB specific subelement format (i.e., Figure 9-788edi and the associated text) similar to TB specific subelement and the corresponding normative text in section 11.21.6.4.2 | Similar text as 'The BSS Color Information field has the same format as in the BSS Color Information field in the HE Operation element. Each subfield of the BSS Color Information field is set to the same value, as in the HE Operation element transmitted by an RSTA. The BSS Color Information field is reserved in the IFTMR frame' for section 9 | Revised  TGaz editor, make changes depicted in  https://mentor.ieee.org/802.11/dcn/21/11-21-0519-03-00az-comment-resolution-lb253-parameters-part-3.docx |
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Discussion:

When an RSTA rejects an FTMR with status code 2/3, which elements/subelements are required in an IFTM frame

* Ranging parameters
* Specific subelement
* TB Ranging case, RSTA Availability window, how many Availability Window Information fields?

P76/L20-23

The Ranging subelements field contains one or more subelements. The subelement format and ordering of the subelements are defined in 9.4.3 (Subelements). The Subelement ID field values for the defined subelements are shown in Table 9-322h23fd (Ranging subelement IDs for Ranging Parameters).

P.78/L.14-18:

The definition of Availability Window field is either an ISTA Availability Window element, see Figure 9-788eda (ISTA Availability Window element format), when the containing Ranging Parameters element is in an IFTMR frame; or an RSTA Availability Window element, see Figure 9-788edc (RSTA Availability Window element format), when the containing Ranging Parameters element is in an FTM frame.

P80/L5-10

The Ranging Parameters element in the IFTMR frame includes a Non-TB specific subelement and/or a TB specific subelement; and the Ranging Parameters element in the corresponding initial Fine Timing Measurement frame includes either a Non-TB specific subelement or a TB specific subelement, if the Status Indication subfield in the Ranging Parameters field is set to Success to indicate the range measurement protocol selected by the responder for the negotiated FTM session.

P127/L1-3

For TB and Non-TB Ranging measurement exchange the initial Fine Timing Measurement frame shall include a Ranging Parameters element containing either the Non-TB Specific subelement or the TB Specific subelement.

**11.21.6.3.3 Negotiation for TB and Non-TB Ranging measurement exchange**

TGaz Editor: Move the following paragraph to page 127 (line 11) as follows

If the RSTA includes a TB-specific subelement in an IFTM frame and the Status Indication field in the IFTM frame is set to 1, then the RSTA shall include an RSTA Availability Window element in the IFTM frame. The RSTA Availability Information field in the RSTA Availability Window element shall contain exactly one Availability Window Information field.

TGaz Editor: Add and modify the following paragraphs starting on page 130 (line 41) as follows

When an RSTA sets the Status Indication field in an IFTM frame to 1 (Successful), it shall include an FTM Synchronization Information element in this IFTM frame.

When an RSTA sets the Status Indication field in an IFTM frame to 2 (Request incapable) or 3 (Request failed), it shall include a Non-TB specific or TB-specific subelement

If the RSTA includes a TB-specific subelement in an IFTM frame and the Status Indication field in the IFTM frame is set to 2 (Request incapable) or 3 (Request failed), then the RSTA may include an RSTA Availability Window element in the IFTM frame. The RSTA Availability Information field in the RSTA Availability Window element shall contain one or more Availability Window Information fields. Each Availability Window Information field represents an availability window that the RSTA can assign to that ISTA if requested by the ISTA in future. The Passive TB Ranging Availability Window bit in this Availability Window Information subfield is set to 0.