IEEE P802.11
Wireless LANs

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| Comment resolution for Target RSSI |
| Date: 2017-01-17 |
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Abstract

This submission proposes resolutions for multiple comments related to TGax D1.0 with the following CIDs (9 CIDs):

* 5059, 5324, 7259, 8336, 8532, 9483, 9828,
* 7677, 9482

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Included additional CIDs related to Tx Power field
* Rev 2: Fixed an editorial inconsistency.

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 TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

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

# PARS I (Target RSSI)

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| --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 5059 | 9.3.1.23 | 47.34 | The range of values does not match range of dBm targets. | Adjust ranges to match | Revised –Agree with the comment. Proposed resolution adjusted the range as suggested.TGax editor to make the changes shown in 11-16/0156r2 under all headings that include CID 5509. |
| 5324 | 9.3.1.23 | 47.35 | Values 0 to 90 map to -100 dBm to -20 dBm | Make the size of the range in dBm the same as the range of possible values. | Revised –Agree with the comment. Proposed resolution adjusted the range as suggested.TGax editor to make the changes shown in 11-16/0156r2 under all headings that include CID 5324. |
| 7259 | 9.3.1.23 | 47.35 | For the description "Values 0 to 90 maps to -100 dBm to -20 dBm", it means that there are 92 values mapping to 81 target RSSI levels. Given the resolution for the Targer RSSI subfield is 1 dB, this mapping is not correct. | Please fix the mapping by adjusting the target RSSI levels correctly. | Revised –Agree with the comment. Proposed resolution adjusted the range as suggested.TGax editor to make the changes shown in 11-16/0156r2 under all headings that include CID 7259. |
| 8336 | 9.3.1.23 | 47.34 | The expected step size of 1dB is not present in Table 2-25g. The implied step size in the first row of the table is 8/9 of a dB. | Change -20dBm to -10dBm | Revised –Agree with the comment. Proposed resolution adjusted the range as suggested (though the suggested change is wrong).TGax editor to make the changes shown in 11-16/0156r2 under all headings that include CID 8336. |
| 8532 | 9.3.1.23 | 47.34 | Range mismatch | Values 0 to 90 map to -110 to -20 dBm | Accepted |
| 9483 | 9.3.1.23 | 47.35 | In Table 9-25g Target RSSI subfield encoding, Values 0 to 90 maps to -100dBm to -20dBm contradicts with PHY motion #156. It says that values 0 to 90 maps to -110dBm to 20dBm. | As in comment | Revised –Agree with the comment. Proposed resolution adjusted the range as suggested.TGax editor to make the changes shown in 11-16/0156r2 under all headings that include CID 5509. |
| 9828 | 9.3.1.23 | 47.35 | "Values 0 to 90" has 91 elements. However, -100dBm to -20dBm with 1dB resolution only has 81 element. So, this mapping is not correct. | Modify the description to "Values 0 to 90 map to -100dBm to -10dBm". | Revised –Agree in principle with the comment. Proposed resolution adjusted the range as suggested by many other comments in this item.TGax editor to make the changes shown in 11-16/0156r2 under all headings that include CID 9828. |

**Discussion: *None.***

**TGax Editor: *Change the table below of this subclause as follows (#CID 5059, 5324, 7259, 8336, 8532, 9483, 9829):***

**Table 9-25g – Target RSSI subfield encoding**

|  |  |
| --- | --- |
| **Target RSSI subfield** | **Description** |
| 0-90 | Values 0 to 90 map to -110 dBm to -20 dBm |
| 91-126 | Reserved |
| 127 | Indicates to the STA to transmit an HE trigger-based PPDU response at its maximum transmit power for the assigned MCS. |

# PARS II (AP TX Power)

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| --- | --- | --- | --- | --- | --- |
| **CID** | **Section** | **Pg / Ln** | **Comment** | **Proposed Change** | **Resolution** |
| 7677 | 9.3.1.23 | 44.50 | "Values 0 - 61 maps to -20 dBm to 40 dBm" is inaccurate in Table 9-25e. | "Values 0 - 60 maps to -20 dBm to 40 dBm" | Accepted. |
| 9482 | 9.3.1.23 | 44.44 | In Table 9-25e AP Tx Power subfield encoding, Values 0 to 61 maps to -20dBm to 40dBm cannot be one to one mapping. It should be Values 0 to 60 maps to -20dBm to 40dBm. | As in comment | Revised.Agree with the comment. Proposed resolution adjusted the range as suggested.TGax editor to make the changes shown in 11-16/0156r2 under all headings that include CID 9482. |

**TGax Editor: *Change the table below of this subclause as follows (#CID 7677, 9482):***

**Table 9-25e—AP Tx Power subfield encoding**

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| --- | --- |
| **AP Tx Power subfield value** | **Description** |
| 0-60 | Values 0 to 60 maps to -20 dBm to 40 dBm |
| 61-63 | Reserved |