IEEE P802.11  
Wireless LANs

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| Comment resolutions for 27.16.1 related to 6 Ghz band | | | | |
| Date: 2018-09-01 | | | | |
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Abstract

This submission proposes resolutions for multiple comments related to TGax D3.0 with the following CIDs (2 CIDs):

* 15121, 15122

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 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.***

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| **CID** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 15121 | Abhishek Patil | 369.47 | Spec needs to provide rules on how a non-AP STA discovers and associates with a 6GHz BSS. Need details on how 6GHz BSS presence and configuration is advertised in 5/2.4G | As in comment | Revised –  Agree in principle with the comment. Proposed resolution is to provide operation details on how the non-AP STA can discover and associate with a 6 GHz AP, by either using passive scanning or active scanning, in either the 2.4/5 GHz band, or in the 6 GHz band when certain conditions are satisfied.  TGax editor to make the changes shown in 11-18/1471r0 under all headings that include CID 15121. |
| 15122 | Abhishek Patil | 369.47 | Define 6GHz access rules in compliance with regulatory requirements | As in comment | Revised –  Agree in principle. Proposed resolution is to provide details for the access rules in the 6 GHz band, specifying that the STAs’ access to this greenfield band is controlled by the AP to which it intends to associate. This way the STAs do not end up transmitting during certain times at which other traffic is being exchanged.  TGax editor to make the changes shown in 11-18/1471r0 under all headings that include CID 15122. |

**Discussion: *None***

* HE Operation element

**TGax Editor: *Insert a bit “Pre Association EDCA Enabled” in the Control field of the HE Operation element: (#CID 15121, 15122))***

**TGax Editor: *Insert a new paragraph in this subclause (#CID 15121, 15122)):***

The Pre Association EDCA Enabled field indicates access rules for pre association exchanges and is set to 0 if EDCA based pre association exchanges are not allowed in the 6 GHz band, set to 1 if EDCA based pre association exchanges are allowed in the 6 GHz band.*(#15121, 15122)*

* HE BSS operation
  + 1. Basic HE BSS functionality

**TGax Editor: *Insert a new subclause as follows (#CID 15121, 15122):***

27.16.1a HE BSS functionality in 6 GHz band

An AP that operates only in the 6 GHz band shall set the Pre Association EDCA Enabled field to 1 in HE Operation elements it transmits. An AP that advertises its operation in the 6 GHz band in a non-6 GHz band may set the Pre Association EDCA Enabled field to any value.

An HE STA shall not send pre-association frames to an HE AP in the 6 GHz band unless explicitly allowed by the AP that is the intended recipient of the frames.

NOTE -- An HE STA that intends to associate with an HE AP operating in the 6 GHz band that does not allow pre-association frame transmissions using EDCA in the 6 GHz band can associate using OCT via the 2.4 and/or 5 GHz band or in response to Trigger frame for random access.

An HE STA shall not transmit broadcast Probe Request frames in the 6 GHz band. The HE STA shall wait for at least MinChanTime before sending a directed Probe Request in the 6 GHz band to an HE AP.

An HE STA that intends to associate with a 6G HE AP shall follow the rules set by that AP, which are indicated in a received Neighbor Discovery element or FILS Discovery frames that contains 6 GHz operation information for that AP.*(#15121, 15122)*