IEEE P802.11
Wireless LANs

|  |
| --- |
| LB225 CR Sub-clause 27.11.2 |
| Date: 2017-02-22 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Yongho Seok | NEWRACOM | 9008 Research Drive, Irvine, CA, 92618  |  | yongho.seok@newracom.com  |

Abstract

This submission proposes resolutions of comments received from TGax LB225.

(The proposed change is based on TGax Draft 1.0.)

* CIDs: 4266, 4479, 5211, 10290 (4 CID)

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.***

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
| 4266 | 196.19 | 27.11.2 | (T)DLS peer STA is not defined or linked to IEEE 802.11-2016 or IEEE 802.11ac-2013 | Add text clarification and figure to support description | Revised- The TDLS peer STA is defiend in IEEE 802.11-2016 as the following: “tunneled direct-link setup (TDLS) peer station (STA): A STA with a TDLS direct link.”The terminology of a DLS or TDLS peer STA is used in IEEE 802.11-2016. Change “(T)DLS peer STA” to “DLS or TDLS peer STA”. TGax editor makes changes as shown in the as specified in 11-17/0248r2. |
| 4479 | 196.19 | 27.11.2 | (T)DLS peer STA is not defined or linked to IEEE 802.11-2016 or IEEE 802.11ac-2013 | Add text clarification and figure to support description | Revised- The TDLS peer STA is defiend in IEEE 802.11-2016 as the following: “tunneled direct-link setup (TDLS) peer station (STA): A STA with a TDLS direct link.”The terminology of a DLS or TDLS peer STA is used in IEEE 802.11-2016. Change “(T)DLS peer STA” to “DLS or TDLS peer STA”. TGax editor makes changes as shown in the as specified in 11-17/0248r2. |
| 5211 | 196.19 | 27.11.2 | Regarding, "A STA transmitting an HE PPDU in a direct path to a (T)DLS peer STA", we need additional control by the network over peer-to-peer operation. Specifically, channel selection in an dense ESS is critical in achieving high efficiency. The network must be able to dictate which channels may be used by clients in order to manage interference. | define such a protocol | Rejected- The channel usage procedure in the base specification can be used for the channel selection mechanism of the P2P operation. Please review the channel usage procedure. Then, if the commenter thinks that the channel usage procedure is not enough, please provide additional input.  |
| 10290 | 196.19 | 27.11.2 | What parameter should be used for Public Action frame sent from an AP to an AP? | Define what parameter should be used for Public Action frame. | Rejected- The first bullet already covers the Public Action frame. “A STA transmitting an HE PPDU…”Because in the base specification a term of a STA includes both a non-AP STA and an AP STA.  |

***TGax editor: change the sub-clause 27.11.2 as the following:***

* UPLINK\_FLAG

The Uplink Flag is carried in the TXVECTOR parameter UPLINK\_FLAG of an HE SU PPDU, HE extended range SU PPDU, and HE MU PPDU and is set as follows:

* A STA transmitting an HE PPDU that is addressed to an AP shall set the TXVECTOR parameter UPLINK\_FLAG to 1, except when the HE PPDU is an HE extended range SU PPDU with the TXOP Duration field set to all 1s and contains an RTS or CTS frame in which case the STA may set the TXVECTOR parameter UPLINK\_FLAG to 0
* An AP transmitting an HE PPDU that is addressed to a non-AP STA shall set the TXVECTOR parameter UPLINK\_FLAG to 0
* A STA transmitting an HE PPDU in a direct path to a ~~(T)~~DLS or TDLS peer STA, or to a member of an IBSS, or to a mesh STA, shall set the TXVECTOR parameter UPLINK\_FLAG to 0

NOTE—A ~~(T)~~DLS or TDLS peer STA or the member of an IBSS can identify that the HE PPDU is sent in a direct path from the To DS and From DS fields of the MAC header of its MPDU(s)

The TXVECTOR parameter UPLINK\_FLAG is not present for HE trigger-based PPDUs.