IEEE P802.11
Wireless LANs

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| LB225 CR Sub-clause 27.11.3 |
| Date: 2017-07-12 |
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Abstract

This submission proposes resolutions of comments received from TGax LB225.

(The proposed change is based on TGax Draft 1.3.)

* CIDs: 5212, 8727, 8726 (3 CIDs)

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** |
| --- | --- | --- | --- | --- | --- |
| 5212 | 196.20 | 27.11.3 | Always setting BEAM\_CHANGE to 1 if NSS is > 2 makes no sense. If this is truly the case, you don't need this parameter as NSS provides the same information. And why is BEAM\_CHANGE aways set to 1 for the first PPDU in a TXOP? | as in comment | Rejected- When the NSS is equal to either 1 or 2, the TXVECTOR parameter BEAM\_CHANGE can be set to either 0 or 1. So, Te NSS can not provide the same information. And, the TXVECTOR parameter BEAM\_CHANGE is aways set to 1 for the first PPDU in a TXOP for enhancing the protection of the TXOP.  |
| 8726 | 196.31 | 27.11.3 | Change "or the PPDU" to "or if the PPDU" | See comment | Revised- Agree in principle.And, insert the following constraint for setting the BEAM\_CHANGE parameter to 1. An HE PPDU carrying a Trigger frame shall set TXVECTOR parameter BEAM\_CHANGE to 1. Otherwise, for Power pre-correction, DL path loss computation is not correct because the measured DL\_RSSI may represent the beam-formed value. TGax editor makes changes as shown in the as specified in 11-17/1023r1.TGax editor makes changes as shown in the as specified in 11-17/1023r0. |
| 8727 | 196.31 | 27.11.3 | Replace "number of spatial streams" with reference to TXVECTOR parameter NUM\_STS | See comment | Rejected- If “number of spatial streams” is replaced to “TXVECTOR parameter NUM\_STA”, a technical meaning is changed.  |

***TGax editor: change the sub-clause 27.11.3 as the following:***

27.11.3 BEAM\_CHANGE

The TXVECTOR parameter BEAM\_CHANGE of an HE SU PPDU, HE ER SU PPDU shall be set to 1 if any of the following conditions are met:

* the number of spatial streams is greater than 2 ~~or~~
* the PPDU is the first PPDU in a TXOP
* the PPDU carries a Trigger frame. (#8726)