IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | CR – Smoothing | | | | | | Date: 2020-05-28 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Ron Porat | Broadcom |  |  | [Ron.porat@broadcom.com](mailto:Ron.porat@broadcom.com) | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

This submission proposes resolution of comment

24508

From the sponsor ballot of TGax D6.0

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** | **Clause** | **Page/Line** | **Comment** | **Proposed Change** | **Resolution** |
| 24508 | Mark RISON |  |  | "If the Beamformed field in HE-SIG-A of an HE sounding NDP is 1, then the receiver of the HE sounding  NDP should not perform channel smoothing when generating the compressed beamforming feedback report." -- but there is nothing to specify what to do if the Beamformed field is 1 in other contexts (HE SU not NDP, HE ER SU, HE MU). [For the history, see CIDs 22392, 20760, 16179] | Change the cited text to "If the Beamformed field in HE-SIG-A of an HE sounding NDP is 1, then the receiver of the HE sounding  NDP should not perform channel smoothing when generating the compressed beamforming feedback report. If the Beamformed field in HE-SIG-A in other PPDUs or in HE-SIG-B is 1, then the receiver of the PPDU should not perform channel smoothing." | Rejected  It is the coice of the Rx whether to smooth or not and the spec shouldn’t dictate Rx processing.  The beamforming bit just lets the RX know that smoothing may be compromised.  In the case of NDP there is a closer interaction between the Tx (beamformer) using the feedback and beaformee (Rx). The Tx may also not necessarily send the NDP in a manner that allows smoothing. Hence in that case only the spec added that sentence |