IEEE P802.11
Wireless LANs

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| CC23 PHY CR Miscellaneous Part 1  |
| Date: 2016-10-20 |
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Abstract

This submission proposes resolutions of comments received from TGax comment collection 23.
(The proposed change is based on TGax Draft 0.5.)

* CIDs: 2431

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** |
| --- | --- | --- | --- | --- | --- |
| 2431 | 160.32 | 26.4.4 | A support of the Mid-packet CCA from the HE PPDU is not decided yet.Delete aCCAMidTIme from Table 22-36 or define the Mid-packet CCA mechanism for the HE PPDU. | As per comment | Revised- 11-16/1370r0 proposes the Mid-packet CCA mechanism. So, TGax editor does not need any change for CID 2431.  |

Discussion:

Currently, aCCAMidTime (25us) in Table 26-43 (HE PHY characteristics) is copied from 802.11ac spec.

As proposed in TGac, 25us is derived from PIFS.

<https://mentor.ieee.org/802.11/dcn/10/11-10-0012-00-00ac-cca-using-gi.ppt>

But, in 2.4GHz, DIFS is used for a secondary channel CCA.

And, DIFS is either 28us (when a short slot time is used) or 50us (when a long slot time is used).

NOTE- A shot slot time may be used when the BSS consists of only ERP STAs.

Because aCCAMidTime of 25us is less than DIFS, the proposal is to keep aCCAMidTime of 25us for both 2.4GHz and 5GHz.

But, in 2.4 GHz, please remind that the ED based CCA duration and MidPacket based CCA duration on a secondary channel CCA is different.

