IEEE P802.11  
Wireless LANs

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| CR for CID 2447 - ICF parameters in Co-TDMA | | | | |
| Date: 2025-05-12 | | | | |
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|  |  |  |  |  |

Abstract

This document addresses the CID 2447.

Rev0: initial version

Rev1: Include ICF parameter also in TB ICF

Rev2: Mark changes

Rev3: Updated to fit with current version of PDT and add a proposal on how to signal the TXOP duration intended to be allocated to coordinated AP(s) parameter

Rev 4: Added a sentence on how the coordinated AP can use the TXOP duration information in the ICF

Rev 5: Updated comment resolution to be based on Draft 0.3; Based on offline discussions: Renamed information field in ICF from TXOP Duration Intended to be Allocated to Coordinated AP(s) to Max TXOP Duration **Considered** to be Allocated to Coordinated AP(s) and corresponding sections in the text;

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 2447 | 37.8.2.3.2 | 73 | Co-TDMA sharing AP sending an ICF frame to poll AP should include information that helps the polled AP to decide if it responds to the ICF with a positive response | Include signaling where the sharing AP includes information that help the responding AP to decide if it wants to get a share of the TXOP. | Accepted:  In addition to the primary AC, the sharing AP should indicate the maximum duration of the TXOP it considers to be sharing.  TGbn Editor: Please apply changes as marked as #2447. |

# Discussion:

Based on some offline discussions we want to propose following way to resolve the comment #2447 as an addition to Draft 0.3 [1]:

* + The PDT already includes the primary AC as a parameter in the ICF to help the polled AP to decide if it has wants to receive part of the TXOP from the sharing AP.
  + We propose to add the maximum TXOP duration considered to be allocated to coordinated AP(s) as an additional information field in the ICF to help the polled AP to decide if it wants to receive part of the TXOP from the sharing AP

# Proposal:

***TGbn editor: Please add the underlined text and update Figure 9-90j4 (Feedback information field if the Feedback Type field is set to 3)***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | B0   B1 | B2 | B3 B10 | B11    B23 |
|  | Primary AC | TXOP Return Solicited | Max TXOP Duration Considered to be Allocated to Coordinated AP(s) | Reserved |
| Bits: | 2 | 1 | 8 | 21 |

**Figure 9-90j4 Feedback Information field format when the Feedback Type field is set to 3**

(#3790) The Primary AC field indicates the primary AC of the obtained TXOP by a Co-TDMA sharing AP. The Primary AC field is encoded as the AC index (ACI) defined in Table 9-193 (ACI-to-AC coding).

The TXOP Return Solicited field indicates whether the Co-TDMA sharing AP is soliciting a TXOP return from a Co-TDMA coordinated AP, as described in 37.13.2.3.4 (TXOP return phase). The TXOP Return Solicited field is set to 1 if the Co-TDMA sharing AP is soliciting a TXOP return from a Co-TDMA coordinated AP; otherwise, it is set to 0.

The Max TXOP Duration Considered to be Allocated to Coordinated AP(s) field indicates the maximum TXOP duration the Co-TDMA sharing AP considers for allocation to Co-TDMA coordinated AP(s). The Max TXOP Duration Considered to be Allocated to Coordinated AP(s) is given in microseconds and signalled as integer value times 16us. The polled AP calculates the maximum TXOP duration the sharing AP considers for allocation as [Max TXOP Duration Considered to be Allocated to Coordinated AP(s) \* 16us]. The coordinated AP can use this information to decide in its response whether it requests to receive a time allocation from the Co-TDMA sharing AP and how much time it would like to be allocated.

References:

[1] IEEE P802.11bn™/D0.3, May 2025