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

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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:  Agreed, the sharing AP should indicate the primary AC and the expected duration of the TXOP it is 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 the PDT [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 TXOP duration intended to be allocated to coordinated AP(s) as an additional parameter 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 updateFigure 9-zzz to 9.3.1.22.12 (BSRP Trigger frame format***

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

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

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 37.8.2.3.4 (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 TXOP Duration Intended to be Allocated to Coordinated AP(s) field indicates the TXOP duration the Co-TDMA sharing AP intends to allocate to Co-TDMA coordinated AP(s). The TXOP Duration Intended to be Allocated to Coordinated AP(s) is given in microseconds and signalled as integer value times 16us. The polled AP calculates the TXOP duration the sharing AP intends to allocate as [TXOP Duration Intended to be Allocated to Coordinated AP(s) \* 16us] and can use this information to decide whether it wishes to receive a time allocation from the Co-TDMA sharing AP.

References:

[1] IEEE 802.11-25/0755r8, PDT and Comment resolutions for Co-TDMA (Part 2)