IEEE P802.11
Wireless LANs

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| CR for BSS Color Related CIDs |
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Abstract

This submission proposes resolutions for CIDs 24375 and 24376. The baseline for this comment resolution document is 802.11ax Draft 6.1.

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 24375 | 9.4.2.253 | 211 | 24 | [Resubmission of comment withdrawn on D5.0] " A value of 0 indicates that theswitch occurs at the current TBTT if the element is carried in a Beacon frame or at the next TBTT followingthe frame that carried the element if the frame is not a Beacon frame." -- by the time the Beacon frame is out the TBTT it was transmitted under has passed. So "current TBTT" is the same thing as "next TBTT". I suspect the intent is to say that the switch has already occurred ... so it's meaningless | Change the cited text to "A value of 1 indicates that theswitch occurs at the next TBTT. The value 0 is reserved." | RevisedAgree with the comment that more clarification is needed. The wording has been clarified to show that a value 0 is used in a beacon frame to indicate that the color switch has taken place at the TBTT of the current beacon frame. This can provide additional information for STAs to become aware that the BSS has just switched color and a new color is being advertised in the same beacon.TGax editor:Please make the changes contained in 11-20/852r3. |
| 24376 | 9.4.2.253 | 211 | 24 | [Resubmission of comment withdrawn on D5.0] " A value of 0 indicates that theswitch occurs at the current TBTT if the element is carried in a Beacon frame or at the next TBTT followingthe frame that carried the element if the frame is not a Beacon frame." -- by the time the Beacon frame is out the TBTT it was transmitted under has passed. So "current TBTT" is the same thing as "next TBTT". I suspect the intent is to say that the switch has already occurred ... so it's meaningless | Change the cited text to "A value of 0 indicates that theswitch occurs at the next TBTT." | RevisedAgree with the comment that more clarification is needed. The wording has been clarified to show that a value 0 is used in a beacon frame to indicate that the color switch has taken place at the TBTT of the current beacon frame. This can provide additional information for STAs to become aware that the BSS has just switched color and a new color is being advertised in the same beacon.TGax editor:Please make the changes contained in 11-20/852r3. |

***TGax Editor: Please modify the paragraph starting on P211L23 in Clause 9.4.2.254 (802.11ax Draft 6.1) as follows:***

The Color Switch Countdown field is set to the number of TBTTs until the HE AP sending the

BSS Color Change Announcement element switches to the new BSS color. The value 1 indicates that the switch occurs at the next TBTT (the ensuing Beacon frame advertises in the BSS Color subfield of the BSS Color Information field the new BSS color). The value 0 is reserved. [24375, 24376]

***TGax Editor: Please modify the paragraph starting on P466L31 in Clause 26.17.3.4 (802.11ax Draft 6.1) as follows:***

If the Color Switch Countdown field in the BSS Color Change Announcement element has a value greater than

1, then at the next TBTT the AP shall decrement the Color Switch Countdown field value by 1. The BSS color change TBTT is the TBTT following a frame containing a BSS Color Change Announcement element with the Color Switch Countdown field containing the value 1. An HE AP shall not alter the BSS color change TBTT after it has announced a pending BSS

color change. An AP belonging to a co-hosted BSSID set (see 26.17.7 (Co-hosted BSSID set)) should select

the value of Color Switch Countdown field such that the BSS color change TBTT interval between the BSSs in the set shall not be greater than one beacon interval of the BSS with largest beacon interval in the set. [24375, 24376]

***TGax Editor: Please modify the paragraph starting on P317L5 in Clause 26.2.2 (802.11ax Draft 6.1) as follows:***

If a STA determines that the BSS color is disabled (see 26.17.3.3 (Disabling BSS color)), then

the RXVECTOR parameter BSS\_COLOR of a PPDU shall not be used to classify the PPDU. [24144]

***TGax Editor: Please modify the note starting on P431L55 in Clause 26.11.4 (802.11ax Draft 6.1) as follows:***

NOTE—A non-AP HE STA sets the TXVECTOR parameter BSS\_COLOR of an HE PPDU that it transmits to the value

advertised by the AP it intends to communicate with even if the AP has disabled BSS color. [24147]