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 24144, 24147, 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** |
| 24144 | 9.4.2.248 | 205 | 45 | "The BSS Color Disabled subfield is set to 1 to temporarily disable the use of" .. Without notion of what is the maximum duration an AP can disable BSS color, the word "temporary" has no normative meaning. Remove it from the sentence and if you want to say that an HE BSS should try to advertise a BSS color as much as possible, put it as a NOTE. | As in comment | RevisedAgree with the comment. The term temporarily is removed from the paragraph. TGax editor: please make changes as shown in doc 11-20-852r1 tagged as 24144 |
| 24147 | 26.17.3.3 | 464 | 16 | "An HE STA that transmits an HE Operation element and that decides to temporarily disable .." Remove the word temporarily if no maximum time during which a BSS can disable BSS coloring is defined in the standard. | As in comment | **Revised**Agree with the comment. The term temporarily is removed from the paragraph. TGax editor:please make changes as shown in doc 11-20-852r1 tagged as 24147 |
| 24375 | 9.4.2.253 | 211 | 24 | [Resubmission of comment withdrawn on D5.0] " A value of 0 indicates that theswitch occurs at the current TBTT if the element is carried in a Beacon frame or at the next TBTT followingthe frame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 11-20/852r1 under 24375. |
| 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 11-20/852r1 under 24376. |

***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 that remain until the HE AP sending the

BSS Color Change Announcement element switches to the new BSS color. When received in a beacon frame, the value of 0 is reserved. When received in a frame that is not a Beacon frame, a value of 0 indicates that the switch occurs at the next TBTT following the frame. [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]