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 22100, 22174 and 22175.The baseline for this comment resolution document is 802.11ax Draft 5.0.

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 22100 | 9.4.2.253 | 206 | 26 | It is not clear hoe to set Non-zero TBTT Count Down in a frame that is not Beacon: option 1) the number of TBTT per the TBTT before the frame, 2) the number of TBTT per the TBTT after the frame. | Clarify the issue. | RevisedAgree in principle with the comment. The setting of the field for Color Switch Countdown Field is further clarified.TGax editor:Please make the changes contained in 11-19/1956r1. |
| 22174 | 9.4.2.253 | 206 | 24 | " 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 11-19/1956r1. |
| 22175 | 9.4.2.253 | 206 | 24 | " 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 11-19/1956r1. |

***TGax Editor: Please modify the paragraph starting on P206L23 in Clause 9.4.2.253 (802.11ax Draft 5.0) 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 the Color Switch Countdown field is interpreted as the number of the TBTTs that remain until the HE AP sending the BSS Color Change Announcement element switches to the new BSS color including the TBTT of the current beacon frame. A value of 0 indicates that the switch occurred at the TBTT of the current beacon frame if the element is carried in a Beacon frame. Otherwise, a value of 0 indicates that the switch occurs at the next TBTT.