IEEE P802.11
Wireless LANs

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| S1G CIDs |
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Abstract

This document proposes comment resolutions for LB1000 SAB CIDs 5107, 5160 and 5161.

*Discussion :*

CID 5107, 5160 and 5161 are shown on the next page.

Proposed Resolution:

* CID 5107, 5160 and 5161 : Revised.

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| **CID** | **Page** | **Line** | **Clause** | **Comment** | **Proposed Change** |
| 5107 | 49.00 | 0 | 9.4.2.191 | A way to schedule EBCS UL traffic through RAW, for S1G traffic and utilizing the RPS element, is missing. | Create an EBCS UL RAW, which is similar to the Simplex, Omni RAW. A submission by commenter will be done during comment resolution. |
| 5160 |  |  |  | In 802.11bc, a STA does not need to be associated to send an uplink frame (EBCS UL frame). A large number of unassociated EBCS UL STAs sending unscheduled traffic may cause collisions and loss of data, for example in 802.11ah metering applications. | For 802.11ah create an EBCS UL restricted access window (RAW) which is similar to the Simplex, Omni RAW. |
| 5161 | 80.64 | 64 | 11.55.3.2 | There needs to be a similar description for the BSS color in EBCS info and data frames for an S1G AP. | As per comment |

*Proposed change for CIDs 5107 & 5160: for clause 9.4.2.191*

The value of the RAW Type field indicates the type of the RAW defined by the RAW assignment. The interpretation of the RAW Type subfields is shown in Table 9-336 (Interpretation of RAW Type and RAW Type Options).

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| * **Interpretation of RAW Type and RAW Type Options**
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| **RAW Type** | **Description** | **RAW Type Options subfield** |
| 0 | Generic RAW | Bit 0 (Bit 2 of RAW Control subfield): Paged STABit 1 (Bit 3 of RAW Control subfield): RA frame |
| 1 | Sounding RAW | 0: SST sounding RAW1: SST report RAW2: Sector sounding RAW3: Sector report RAW |
| 2 | Simplex RAW | 0: AP PM RAW1: Non-TIM RAW2: Omni RAW3: ~~Reserved~~ EBCS UL RAW |
| 3 | Triggering frame RAW | Reserved |

*Proposed change for CIDs 5107 & 5160: further changes for clause 9.4.2.191*

* Simplex RAW: the Slot Definition Format Indication, Cross Slot Boundary, and Number of Slots subfields of the Slot Definition field are set to 1, and the RAW is either used for AP Power Management (as described in 11.2.3.18 (AP power management)), for reserving channel time for S1G STAs in non-TIM mode, or for the omni RAW, or for the EBCS UL RAW depending on the values of RAW Type Options subfield as follows:
* When the RAW is used as the non-TIM RAW as indicated by the RAW Type Options subfield, the access is restricted to S1G STAs in non-TIM mode that have been previously scheduled within the RAW such as TWT STAs or doze awake cycle rescheduled STAs (as described in 10.48.2 (Rescheduling of awake/doze cycle)). The RAW Assignment subfield for non-TIM RAW also conditionally contains the RAW Start Time, Channel Indication, and Periodic Operation Parameters subfields.
* When the RAW is used as the AP PM RAW as indicated by the RAW Type Options subfield, the RAW Assignment subfield for AP PM RAW also conditionally contains the RAW Start Time and Periodic Operation Parameters subfields.
* When the RAW is used as the omni RAW as indicated by the RAW Type Options subfield of the RAW Assignment subfield for omni RAW, the access is not restricted for any specific STA and this duration can be used by non-AP STAs to communicate with the AP that has scheduled the omni RAW to send the Probe Request frame or Association Request frame. The RAW assignment subfield of the omni RAW also conditionally contains the RAW Start Time, and Periodic Operation Parameters subfields.
* When the RAW is used as the EBCS UL RAW as indicated by the RAW Type Options subfield of the RAW Assignment subfield for EBCS UL RAW, the access is not restricted for any specific STA and this duration can be used by non-AP STAs to communicate with the AP that has scheduled the EBCS UL RAW to send the EBCS UL frame. The RAW assignment subfield of the EBCS UL RAW also conditionally contains the RAW Start Time, and Periodic Operation Parameters subfields.

NOTE - An EBCS non-AP STA that does not support RAW operation (see 10.23.5 (Restricted access window (RAW) operation)) can transmit an EBCS UL frame outside the RAW window.

*Proposed change for CID 5161: for clause 11.55.3.2*

When an EBCS AP is an HE AP or S1G AP:

**References:**