IEEE P802.11
Wireless LANs

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| Comment Resolution for CID 1385 |
| Date: 2014-03-15 |
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Abstract

This submission proposes resolutions for the CID 1385 of TGah Draft 1.2

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGah Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGah Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGah Editor: Editing instructions preceded by “TGah Editor” are instructions to the TGah editor to modify existing material in the TGah draft. As a result of adopting the changes, the TGah editor will execute the instructions rather than copy them to the TGah Draft.***

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| --- | --- | --- | --- | --- | --- |
| **CID** | **Page.Line** | **Subclause** | **Comment** | **Propose Change** | **Resolution** |
| 1385 | 86.42 | 8.4.2.170b | currently, the if the RAW group is set to all zeros, it is a RAW that can be accessed by everybody, but since some of the STAs are not supporting the full RAW feature it is cleaner to distinguish this RAW with the Regular RAW. Add a "omni RAW" as a subtype to type 10 (AP PM/non-TIM RAW). This will define a RAW that can be used for everybody even for association. | Add an "omni RAW" subtype to RAW type 10 | Agree with the commenterRevised:TGah editor to make changes shown in 11-14-0313r3 |

* AP Power management

*TGah editor to change the 5th paragraph of this subclause as following:*

The AP shall operate in Active mode during a Beacon or short Beacon interval if the AP Power Management element is either absent in the Beacon or Short Beacon or the PM Mode subfield is set to 0. Similarly, the AP shall operate in Active mode during one or more RAWs defined by an RPS element with the RAW Assignment type set to Regular RAW, Sounding RAW, Triggering Frame RAW or Simplex RAW with RAW Type Options set to 1 or 2.

*TGah editor to change the 8th paragraph of this subclause as following:*

An AP including an AP Power Management element with the PM Mode subfield set to 1 in (Short) Beacon frame shall include an RPS element in the (Short) Beacon that includes an omni- RAW during which all STAs are allowed to access (by setting the RAW Type field to 10 and the RAW Type Options subfield to 2 ). This RAW may be used for association of new STAs.

*TGah editor to change the name of “AP PM/non-TIM RAW” to “Simplex RAW” through the draft.(#924)*

**8.4.2.170b RPS element**

*TGah editor to change the Table 8-191a as following:*

|  |  |  |
| --- | --- | --- |
| RAW Type | Description | RAW Type Options Subfield |
| Bit 0  | Bit 1   |
| 0 | 0 | The RAW is a Regular RAW.  | Bit 0: Paged STABit 1: RA Frame |
| 0 | 1 | The RAW  is a Sounding RAW.  | 0: SST Sounding RAW1: Sector Sounding RAW2,3: Reserved |
| 1 | 0 | The RAW  is a Simplex RAW. | 0: AP PM RAW1: Non-TIM RAW2: Omni RAW3: Reserved |
| 1 | 1 | The RAW is a Triggering Frame RAW.  | Reserved |

*TGah editor to modify the 7th paragraph of this subcluase as the following:*

When the RAW type isSimplex RAW, the RAW is either used for AP Power Management (as described in 10.2.1.19), for reserving channel time for non-TIM STAs, or for the omni-RAW depending on the values of RAW Type Options subfield. For the Simplex RAW, slotDefinition/Format Indication, Cross Slot Boundary, and Number of Slots subfields of the Slot Definition field are set to 1.

*TGah editor to add the following paragraph after the 9th paragraph of this subcluase:*

When the RAW is used as the omni- RAW as indicated by the RAW Type Options subfield, the RAW Assignment subfield for omni-RAW the access is not restriceted for any specific STAs and this duration can be used by all the STAs even to send the Probe/Association Request. The RAW assignemtn subfield of the omni-RAW also conditionally contains the RAW Start Time, and Periodic Operation Parameters sub-subfields.

*TGah editor to modify this subcluase the following:*

* EDCA backoff procedure in Regular or Triggering Frame RAW

If the Cross Slot Boundary subfield in RAW Assignment field of the RPS element is set to 0, a STA shall ~~may~~ count down backoff only in its assigned slots within the RAW. ~~unless Cross Slot Boundary is allowed,~~ If the Cross Slot Boundary subfield in RAW Assignment field of the RPS element is set to 1, ~~in which case~~ the STA shall ~~may~~ continue to count down backoff after its assigned slots.

After the end of the RAW, STAs with the second backoff counter shall reset and disregard the second backoff function state.

*TGah editor to add the following subcluase after 9.20.5.5:*

9.20.5.6 EDCA backoff procedure in RAWs other than Regular or Triggering Frame RAWWhen the S1G STA is performing EDCA in any RAW other than Regular or Triggering Frame RAW, it shall follow the rules defined in 9.20.2.

An S1G STA performing EDCA outside a RAW shall suspends an operation of its EDCA at the start of the RAW and may resume it at the end of the RAW if the STA is not included in that RAW.

An S1G STA performing EDCA outside a RAW shall continue its EDCA operation at the start of the RAW if it is included in that RAW.