802.11ba Draft Specification

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| Spec Text for WUR Wake Up Frame |
| Date: 2018-01-xx |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Guoqing Li | Apple |  |  | Apple.com |

Abstract

This submission contains spec text associated with contribution 18/473r5 which defines WUR Discovery frame format

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

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

**TGba Editor: *Instruction: Modify 9.10.3.3 WUR Discovery frame as the following:***

**9.10.3.3 WUR Discovery frame format**

The Frame Control field is set as defined in 9.10.2.1.1 (Frame Control field).

The Address field is set to the Transmit ID.

*Discussion Note Not To Be Added to the Draft: Transmit ID is being proposed as the 12 LSBs of the compressed BSSID (see X.Y.Z).*

The TD Control contains an additional AP identifier and is set to bit 12 to 23 of the BSSID.

Discussion note Note: combining Address and TD Control field specifiy the 24 LSBs of the BSSID.

The format of the Frame Body field is as defined in Figure 9-747a (Frame Body field format of WUR Discovery frame).

|  |  |
| --- | --- |
| B0               B15 | B16                 B31 |
| Compressed SSID | PCR Operating Channel |
| 16 | 16 |

Figure 9-747a (Frame Body field format of WUR Discovery frame).

The Compressed SSID field contains 16 LSBs of the Short-SSID as defined in 9.4.2.171.2.

Note (not to be added to spec text): 9.4.2.171.specifies how Short SSID is calculated using CRC 32 which was defined in 11ai.

The PCR Operating Channel field contains operating class and channel information as defined in 9.4.1.22.

Note (not to be added to spec text): 9.4.1.22 speicifes the format of operating class and channel number as defined in baseline spec.

~~WUR Discovery frame includes compressed information of BSSID, SSID and information of PCR operating channel.~~

~~How to calculate compressed BSSID is TBD.~~

~~How to calculate compressed SSID is TBD.~~

~~How to signal PCR operating channel is TBD.~~