802.11ba Draft Specification

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| Spec Text for WUR Discovery Period | | | | |
| Date: 2018-07-11 | | | | |
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Abstract

This submission contains spec text to be incorporated in the P802.11ba D1.0 related to the following.

The content of this document is based on 11-18/1120r1.

Revision History:

* Rev 0: Initial version of the document
* Rev 1: Revices based on feedbacks (Changes in green.)
* Rev 2: Revices based on feedbacks (Changes in skyblue.)

***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.***

***SP:* Do you agree to incorporate the proposed changes provided in document 11-18/1293r2 in the next draft of TGba?**

***Y/N/A***

* **Elements**

9.4.2.265 WUR Discovery element

***TGba Editor: Instruction: Modify Figure 9.xxx (WUR AP subfield format) as shown below:***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Bitmap Control | | Short-SSID | BSSID | WUR Discovery Period |
| Octets: | 1 | | 0 or 4 | 0 or 6 | 0 or 2 |
|  | | Figure 9-xxx - WUR AP subfield format | | | | |

***TGba Editor: Instruction: Modify Figure 9.xxx (Bitmap Control field) as shown below:***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | B0 | B1 | B2 | B3 | B4              B7 |
|  | Transmitting  WUR AP | Short-SSID Present | BSSID Present | WUR Discovery Period Present | Reserved |
| Bits: | 1 | 1 | 1 | 1 | 4 |
|  | Figure 9-xxx - Bitmap Control field format | | | | |

***TGba Editor: Instruction: Add the following sentence in subclause 9.4.2.265 (WUR Discover element) after 10th paragraph as shown below:***

The WUR Discovery Period Present subfield is set to 1 if the WUR Discovery Period is present in the WUR AP subfield and is set to 0, otherwise.

***TGba Editor: Instruction: Add the following sentence in subclause 9.4.2.265 (WUR Discover element) after 13th paragraph as shown below:***

The WUR Discovery Period field contains the number of time units (TUs) between consecutive WUR Discovery frames transmitted by a WUR AP STA.

* 1. **WUR Discovery**

***TGba Editor: Instruction: Change subclause 31.10 (WUR Discovery) as shown below (Track changes ON) :***

A WUR AP with dot11WURDiscoveryImplemented equal to true shall periodically transmit WUR Discovery frames on the WUR AP’s WUR discovery channel to assist WUR STAs in WUR AP discovery. The WUR AP’s WUR discovery channel is indicated in the transmitted WUR Discovery elements by the WUR Discovery Operating Class and WUR Discovery Channel fields in the WUR AP Information subfield in which the Transmitting WUR AP subfield is set to 1. WUR Discovery frames shall be generated for transmission by the WUR AP once every WUR Discovery Period TUs. The WUR discovery channel(s) that are used to transmit the WUR Discovery frames should be selected from channel 6 in the 2.4 GHz frequency band and channel 40, 44, 149 and 153 in the 5 GHz frequency band as specified in Table E-4 in Annex E.a fixed set of all possible WUR channels.