802.11ba Draft Specification

|  |
| --- |
| Proposed Spec Text for Indicating Neighboring BSS’s WUR Discovery Frame offset |
| Date: 2018-09-11 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Xiaofei Wang | InterDigital Inc. | South Wing, 4th Floor2 Huntington QuadMelville, NY 11747 | +1-631-622-4028 | Xiaofei.wang@interdigital.com |
| Joseph Levy |
| Rui Yang |
| Frank La Sita |  |
|  |  |  |  |  |

Abstract

This submission proposes the spec text change for indicating the neighboring BSS’ WUR Discovery frame offset. The baseline for this document is 802.11ba Draft 0.4.

**TGba Editor: *Instruction: Modify 9.4.2.276 WUR Discovery element as shown below***

* WUR Discovery element

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Bitmap Control | Short-SSID | BSSID |  | WUR Discovery Period | WUR Discovery Frame Offset |
| Octets: | 1 | 0 or 4 | 0 or 6 |  | 0 or 2 | 0 or 2 |
|  | * WUR AP subfield format
 |  |
|  | B0 | B1 | B2 | B3 | B4 | B5          B7 |
|  | Transmitting WUR AP | Short-SSID Present | BSSID Present | WUR Discovery Period Present | WUR Discovery Frame Offset Present | Reserved |
| Bits: | 1 | 1 | 1 | 1 | 1 | 3 |
|  | * Bitmap Control field format
 |

The WUR Discovery Period field contains the number of time units (TUs) between consecutive WUR Discovery frames transmitted by the WUR AP identified by the WUR AP subfield (#Ed). The value of zero is reserved.

The WUR Discovery Frame Offset field contains the number of time units (TUs) between the target time for the next WUR Discovery frame transmitted by the WUR AP identified by the WUR AP subfield and the previous TBTT of the transmitting AP, rounded down to the closest TU.

**TGba Editor: *Instruction: Modify 9.4.2.276 WUR Discovery element as shown below***

* WUR Discovery

A WUR non-AP STA may use its WURx to scan WUR discovery channels. Using the WURx to scan WUR discovery channels may be referred to as *WUR scanning.* A WUR non-AP may use the information contained in received WUR Discovery elements to conduct WUR scanning.