|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Proposed Spec Text for CR for CID 1105 | | | | |
| Date: 2019-01-11 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Xiaofei Wang | InterDigital Inc. | South Wing, 4th Floor  2 Huntington Quad  Melville, NY 11747 | +1-6075922727 | Xiaofei.wang@interdigital.com |
| Rui Yang |
|  |
|  |  |
|  |  |  |  |  |

Abstract

This submission contains the proposed spec text change for CR for CID 1105. The baseline for this document is 802.11ba Draft 1.1.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L.** | **Clause** | **Comment** | **Proposed Change** | **Resolutions** |
| 1105 | Xiaofei Wang | 36.29 | 9.4.2.276 | A WUR Discovery frame offset compared to current TBTT of the transmitting AP may be beneficial and enable a discovering STA to quickly switching through different channels to scan for WUR discovery frames. | Add a field of "WUR Discovery frame offset" to indicate the offset of current TBTT of WUR discovery frames to enable a discovering STA to quickly switching through different channels to scan for Wur discovery frames. | Revised:  Agree in principle with the comment. Added a WUR Discovery Frame Offset field in the WUR AP Parameters Subfield and associated indications and text.  Instructions to editor: Please incorporate changes as shown in 11-19/0057r0. |

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

* WUR Discovery element

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | WUR AP Parameters 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 Parameters subfield format | | | | |  |

.

The WUR AP Parameters Control field indicates the presence of the Short-SSID field, the BSSID field, the WUR Discovery Period field, and the WUR Discovery Frame Offset field. The format of the WUR AP Parameters Control is shown in Figure 9-751o (WUR AP Parameters Control field 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 |
|  | | * WUR AP Parameters Control field format | | | | | |

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

The WUR Discovery Frame Offset Present subfield is set to 1 if the WUR Discovery Frame Offset is present in the WUR AP Parameters subfield. Otherwise, the WUR Discovery Frame Offset Present subfield is set to 0.

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 31.10 WUR Discovery as shown below***

* WUR Discovery

A WUR non-AP STA may use its WURx to scan WUR discovery channels for WUR Discovery frames. Using the WURx to scan WUR discovery channels is known as *WUR scanning.*(#151)A WUR non-AP may use the information contained in received WUR Discovery elements to conduct WUR scanning.