IEEE P802.11  
Wireless LANs

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| Comment resolution for CIDs 2353 and 2354 | | | | |
| Date: 2025-07-16 | | | | |
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This submission is a comment resolution to CIDs 2353 and 2354.

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| **CID** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 2353 | 37.8.2.5 | Baseline BSS Transition Management feature offers limited or no options to a non-AP STA to discover nearby APs that are suitable for roaming. | Enhance baseline BSS Transition Management to enable a non-AP STA to find the best APs for roaming. | Revised.  Agree in principle.  TGbn editor, please make the changes as shown in the 11-25-XXXX and identified with #2354. |
| 2354 | 37.8.2.5 | 11bn Seamless Roaming feature lacks an efficient mechanism where a non-AP STA can discover neighboring APs with desired capabilities (eg BSSes with light load, APs with co-located 6GHz link etc.) among its neighboring APs. Without such mechanism, a non-AP STA would end spending time and power to scan all the channels in search of APs with desired capabilities. | Enhance exsting discovery mechanism for UHR seamless roaming feature so that a non-AP STA can query its associated AP for neighboring APs with desired capabilities. | Revised.  Agree in principle.  TGbn editor, please make the changes as shown in the 11-25-XXXX and identified with #2354. |

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**37.9.4 Target AP MLD selection recommendation**

*Instructions to 11bn Editor: Please add the following paragraph at the end of 37.9.4:*

(#2354) When a UHR AP sends a BTM Request frame, Neighbor Report Response frame, or ANQP response frame (that includes a Neighbor Report ANQP-element), to a UHR non-AP STA or to a broadcast address, then the included Neighbor Report elements shall include at least the following sub-elements, for each reported AP: BSS load (if included in the Beacon frame of the reported AP), RSNE, RSNXE, UHR Operation, UHR Capabilities, Transmit Power Envelope (if the reported AP operates in the 6 GHz band), Supported Rates and BSS Membership Selectors, and Extended Supported Rates and BSS Membership Selectors.

NOTE: Above-listed elements help a non-AP STA to efficiently prepare a list of suitable APs and AP MLDs to roam to, when a roaming event occurs.

**9.4.2.35 Neighbor Report element**

*Instructions to 11bn Editor: Please make the following changes shown with track changes to the Table 9-212.*

**Table 9-212—Optional subelement IDs for Neighbor Report**

|  |  |  |
| --- | --- | --- |
| **Subelement ID** | **Name** | **Extensible** |
| … | … | … |
| <ANA> | RSNE (see 9.4.2.23 (RSNE)) | No |
| <ANA> | RSNXE (see 9.4.2.240 (RSNXE)) | Yes |
| <ANA> | Transmit Power Envelope (see 9.4.2.160) (#2354) | Yes |
| <ANA> | UHR Operation(#2354) | Yes |
| <ANA> | UHR Capabilities(#2354) | Yes |
| <ANA> | Supported Rates and BSS Membership Selectors (see 9.4.2.3) (#2354) | No |
| <ANA> | Extended Supported Rates and BSS Membership Selectors (9.4.2.11) (#2354) | No |
| ~~202~~ 204 -220 | Reserved |  |

*Instructions to 11bn Editor: Please make the following changes to the Table 9-212.*

The RSNE subelement has the same format as the RSNE element as defined in 9.4.2.23. (#2354)

The RSNXE subelement has the same format as the RSNXE element as defined in 9.4.2.240. (#2354)

The Transmit Power Envelope subelement has the same format as the Transmit Power Envelope element as defined in 9.4.2.160. (#2354)

The UHR Capabilities subelement has the same format as the UHR Capabilities element as defined in 9.4.2.aa2. (#2354)

The UHR Operation subelement has the same format as the UHR Operation element as defined in 9.4.2.aa1. (#2354)

The Supported Rates and BSS Membership Selectors subelement has the same format as the Supported Rates and BSS Membership Selectors element as defined in 9.4.2.3. (#2354)

The Extended Supported Rates and BSS Membership Selectors subelement has the same format as the Extended Supported Rates and BSS Membership Selectors element as defined in 9.4.2.11. (#2354)