IEEE P802.11
Wireless LANs

|  |
| --- |
| Resolution for CIDs related to UORA |
| Date: June 10, 2020 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Chittabrata Ghosh | Intel Corporation |  |  | chittabrata.ghosh@intel.com |

 Abstract

This submission proposes resolutions for following (4) CIDs received for TGax SA Ballot 1:

24018, 24019, 24391, 24392

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Revised the proposed resolution for CIDs 24391 and 24392 based on D6.1
* Rev 2: Revised resolutions to CIDs 24018, 24391, and 24392 based on discussions in the IEEE 11ax teleconference call
* Rev 3: Revised the resolution with addition of instruction to the 11ax Editor

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGax Draft. This introduction is not part of the adopted material.

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Pg/Ln** | **Section** | **Comment** | **Proposed Change** | **Resolution** |
| 24018 | Chitrakar, Rojan | 363/33 | 26.5.4.2 | RUs that are restricted from operations specified in 27.3.2.8 shall be excluded from an eligible RA-RU if the receiving non-AP STA is a 20 MHz operating non-AP HE STA. However, it is not easy to understand it from "26.5.4.2 Eligible RA-RUs". | Change "... if it supports all the transmit parameters indicated in the Common Info field and in the User Info field that allocates that RU ..." to "... if it is capable to transmit an HE TB PPDU in that RU according to the parameters indicated in the Common Info field and in the User Info field that allocates the RU ..." in the paragraphs of L33-L37 and L39-L43,Further, add the following note after the paragraph of P363L39-43.Note - RUs that are restricted from operations specified in 27.3.2.8 shall be excluded from eligible RA-RUs if the STA is a 20 MHz operating non-AP HE STA.  | RevisedAgree with the Commenter and revised the suggested text for clarityRequest the TGax Editor to make the following changes:“ … if it supports all the transmit parameters indicated in the Common Info field and in the User Info field that allocates that RU ..." to "... if it is capable of transmitting an HE TB PPDU in that RU according to the parameters indicated in the Common Info field and in the User Info field that allocates the RU …”NOTE – If the STA is a 20 MHz operating non-AP HE STA, RUs that are excluded as specified in 27.3.2.8 are not present in the list of eligible RA-RUs. |
| 24019 | Chitrakar, Rojan | 363/59 | 26.5.4.2 | RUs that are restricted from operations specified in 27.3.2.8 shall be excluded from an eligible RA-RU if the receiving non-AP STA is a 20 MHz operating non-AP HE STA. It should be clarified in the calculation for determining the number of eligible RA-RUs. | Change "A non-AP HE STA shall determine the number of eligible RA-RUs in a contiguous set by adding the value carried in the Number Of RA-RU subfields plus one for the User Info field corresponding to an eligible RA-RU." to "A non-AP HE STA shall determine the number of eligible RA-RUs in a contiguous set by adding the value carried in the Number Of RA-RU subfields plus one for the User Info field which allocates at least one eligible RA-RU. If the STA is a 20 MHz operating non-AP HE STA, the STA shall further subtract the number of RUs that are restricted from operations specified in 27.3.2.8." | **Accepted** |
| 24391 | RISON, Mark | 363/19 | 26.5.4.1 | [Resubmission of comment withdrawn on D5.0] "Each time a non-AP HE STA associates with a different AP (or a different BSSID for non-AP STA withdot11MultiBSSIDImplemented set to true), and prior an initial attempt of RA-RU transmission towards it,the non-AP STA shall set the value of OCW to the OCWmin value, and shall initialize its OBO counter inthe range 0 to OCW as defined in 26.5.4.3 (Transmission procedure for UORA)." -- this is inadequate, because it basically causes thenon-AP STA to keep resetting to OCWmin | As it says in the comment | **Revised**The quoted text was revised based on CIDs 24382 and 24383 in document 0318r2 (11-20-0318-02-00ax-resolution-for-cids-related-to-uora.docx) with the following text and is incorporated in the 802.11ax Draft 6.1; therefore, no action is requested to the TGax Editor based on this CID. “Each time a non-AP HE STA associates with a different AP, and prior to the(#22272, #22220) initial attempt of RA-RU transmission towards it, the non-AP STA shall set the value of OCW to the *OCWmin* value, and shall initialize its OBO counter in the range 0 to OCW as defined in 26.5.4.3 (Transmission procedure for UORA).NOTE – For a non-AP STA with dot11MultiBSSIDImplemented set to true, associating with a different AP includes associating with an AP corresponding to a different BSSID in the same multiple BSSID set.”  |
| 24392 | RISON, Mark | 363/19 | 26.5.4.1 | [Resubmission of comment withdrawn on D5.0] "Each time a non-AP HE STA associates with a different AP (or a different BSSID for non-AP STA withdot11MultiBSSIDImplemented set to true), and prior an initial attempt of RA-RU transmission towards it,the non-AP STA shall set the value of OCW to the OCWmin value, and shall initialize its OBO counter inthe range 0 to OCW as defined in 26.5.4.3 (Transmission procedure for UORA)." -- this is inadequate, because it basically causes thenon-AP STA to keep resetting to OCWmin  | Delete ", and prior an initial attempt of RA-RU transmission towards it, " from the cited text | **Revised**The quoted text for CID 24391 was revised based on CIDs 24382 and 24383 in document 0318r2 (11-20-0318-02-00ax-resolution-for-cids-related-to-uora.docx); therefore, no action is requested to the TGax Editor based on this CID.  |