IEEE P802.11
Wireless LANs

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| --- |
| CC50 CR for clause 9.4.2.aa1 |
| Date: 2025-05-10 |
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Abstract

This submission proposes resolutions of comments received from TGbn CC50 comments based on TGbn D0.1.

855 3847 3850 1498 2941 473 1466 1230 3278 911 1534 2942 132 910 3615 2944 2943 3399 2095 794 912 1499 2094 3277 2620 3375 2411 3400 793 3376 2945 2451 1041 2395 2947 1042 1501 1500 2948 1502 1535 3857 3858 3860 3140 (45 CIDs)

855 3847 1498 2941 473 1466 1230 3278 911 1534 2942 132 910 3615 2944 794 2620 3375 2411 3400 3376 2945 2451 1041 2395 2947 1042 1501 1500 2948 1535 3857 3858 3860 3140

2095, 1499, 2943

3399, 912, 1499, 2094, 793, 3277

3850

1502

Revisions:

Rev 0: Initial version of the document.

Rev 1: Update the resolution for CID 3847

Rev 2: Update based D0.3 and Alfred’s comments

1. **Introduction**

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 TGbe Draft. The introduction and the explanation of the proposed changes are not part of the adopted material.

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 855 | Tomoko Adachi | 9.4.2.aa1 | 0.00 | Instruction missing to add 9.4.2.aa1. | Add the instruction. | Revised-Agree with the comment in principle, add the missing capability fields.Apply the changes marked as #855 in this document. |
| 3847 | Abhishek Patil | 9.4.2.35 | 58.11 | Add UHR Operation and UHR Capabilities element as subelement to Neighbor Report element (9.4.2.35) along with the appropriate description text. | As in comment | Revised-Agree with the comment, Add UHR Operation and UHR Capabilities element as subelement to Neighbor Report element (9.4.2.35).Apply the changes marked as #3847 in this document. |
| 3850 | Abhishek Patil | 9.4.2.44 | 58.11 | Add UHR Operation and UHR Capabilities element to the 'second item of the 11th paragraph' in clause 9.4.2.44 (Multiple BSSID element). | As in comment | Revised-Agree with the comment.Apply the changes marked as #3850 in this document. |
| 1498 | Dongju Cha | 9.4.2.aa1 | 58.36 | typo in UHR Operation Element | Change "UHR Operation Element" to "UHR Operation element" | Accepted- |
| 2941 | Mark RISON | 9.4.2.aa1 | 58.38 | "The operation of UHR STAs in an UHR BSS is controlled by the following:" -- this is behaviour not format | Move to Clause 37 | Rejected-The referred paragraph is inherited from 802.11be, no change is needed here. |
| 473 | Peshal Nayak | 9.4.2.aa1 | 58.39 | should be 'a UHR BSS' instead of 'an UHR BSS' | Correct the article as described in the comment in the referenced and any other relevant location. | Rejected-The "a UHR BSS" is correct, no change is needed. |
| 1466 | Akira Kishida | 9.4.2.aa1 UHR Operation ElementThe operation of UHR STAs in an UHR BSS | 58.39 | "an UHR" -> "a UHR" | "a UHR" should be correct.(Or please clarify which expression is correct, "a UHR" and "an UHR") | Rejected-The "a UHR BSS" is correct, no change is needed. |
| 1230 | Morteza Mehrnoush | 9.4.2.aa1 | 58.52 | Add the NPCA Operation information field to this element. it is missing | As in comment | Revised-The said NPCA Operation Information field was added in 802.11bn D0.3.To TGbn editor, no further revise is needed. |
| 3278 | Hanqing Lou | 9.4.2.aa1 | 58.52 | NPCA Operation Parameters field is within the UHR Operation Information field. Similarly, I suggest we move DPS Operation Parameters field under UHR Operation Information field. | See Comment | Revised –Proposed resolution is to harmonize across the board and have NPCA Operation Information field after the DPS Operation Parameters field. Apply the changes marked as #3278 in this document. |
| 911 | Mikael Lorgeoux | 9.4.2.1 | 58.54 | The naming of "UHR Operation Information" field seems not correct as this field is not described in the text. | The correct naming for this field seems to be "NPCA Operation Information" | Revised-There is no problem with “UHR Operation Information” field. Adding "NPCA Operation Information" right after "DPS Operation Parameters " to address the issue.Apply the changes marked as #911 in this document. |
| 1534 | yajun CHENG | 9.4.2.aa1 | 58.54 | Following the same logic as EHT/HE Operation element format, the DPS Operation Parameters field should be included in UHR Operation Information. | As in comment. | Rejected-The comment failed to identify the technical issue. DPS Operation Parameters could be either in the UHR operation Information field or not in it.  |
| 2942 | Mark RISON | 9.4.2.aa1 | 58.64 | "The format of the UHR Operation element is shown in Figure 9-aa1 (UHR Operation element format). " duplication | Delete the cited text | Revised-The cited sentence is corrected to “The format of the UHR Operation Parameters field is shown in Figure 9-aa2 (UHR Operation Parameters field format).Apply the changes marked as #2942 in this document. |
| 132 | Ke Zhong | 9.4.2.aa1 | 58.65 | Wrong description of Figure 9-aa2. | Replace "The format of the UHR Operation element is shown in Figure 9-aa1 (UHR Operation element format)." with "The format of the UHR Operation Parameters field format shown in Figure 9-aa2 (UHR Operation Parameters field format)". | Revised-The cited sentence is corrected to “The format of the UHR Operation Parameters field is shown in Figure 9-aa2 (UHR Operation Parameters field format).Apply the changes marked as #132 in this document. |
| 910 | Mikael Lorgeoux | 9.4.2.1 | 58.65 | This sentence is same as in line 50, it should be deleted and replaced, see proposed change | Repalce with the sentence "The format of the UHR Operation Paramters field is shown in Figure 9-aa2 (UHR Operation Parameters field format)." | Accepted- |
| 3615 | James Yee | 9.4.2.aa1 | 58.65 | The sentence should refer to Figure 9-aa2 instead. | As suggested | Revised-The cited sentence is corrected to “The format of the UHR Operation Parameters field is shown in Figure 9-aa2 (UHR Operation Parameters field format).Apply the changes marked as #3615 in this document. |
| 2944 | Mark RISON | 9.4.2.aa1 | 59.10 | B4 to B5 is 2 bits, not 3, and it's not clear why we need 4 adjacent Reserved fields | Have just one Reserved field, from B2 to Bx with Y bits | Revised-Agree with the comment.Apply the changes marked as #2944 in this document. |
| 2943 | Mark RISON | 9.4.2.aa1 | 59.12 | "The DPS Enabled field is set to 1 if the AP sending a frame containing the UHR Operation Parameters field is a mobile AP (TBD for non-mobile AP) and dynamic power save (DPS) is enabled at the AP and set to 0 otherwise." is unclear as to the setting for a non-AP STA. Similarly in next para | Change to "The DPS Enabled field is set to 1 when sent by a mobile AP (TBD for non-mobile AP) with dynamic power save (DPS) enabled, and set to 0 otherwise." | Revised-This sentene is only for mobile AP since this field is sent by AP. Proposed resolution further clarifies this aspect.Apply the changes marked as #2943 in this document. |
| 3399 | Gaurang Naik | 9.4.2.aa1 | 59.13 | The design for DPS and NPCA must be unified. DPS enabled is signaled using a "DPS Enabled" subfield, whereas NPCA enabled is signaled using a "Information Present" subfield. | Either have Enabled bits for both or Information Present for both. | Revised-Agree with the comment. Change "NPCA Operation Information Present" to "NPCA Enabled".Apply the changes marked as #3399 in this document. |
| 2095 | Vishnu Ratnam | 9.4.2.aa1 | 59.15 | Text reads: "... dynamic power save (DPS) is enabled at the AP and set to 0 otherwise." Suggest to break into two sentences as "... dynamic power save (DPS) is enabled at the AP. It is set to 0 otherwise." | As in comment. | Revised-Agree with the comment. Rephrase this sentence to account for the proposed change.Apply the changes marked as #2095 in this document. |
| 794 | Seongho Byeon | 9.4.2.aa1 | 59.18 | An AP that can set NPCA Operation Information Present to 1 should be explicitly stated as an AP that has set NPCA Supported to 1 in the UHR MAC Capabilities Information field, i.e., an AP supporting NPCA.Suggest changing the text: "The NPCA Operation Information Present field indicates whether NPCA operation is enabled on the AP that has NPCA Supported subfield set to 1 in the UHR MAC Capabilities Information field, and whether the NPCA Operation Information field is present in the UHR Operation Information field." | As in comment. | Rejected-The proposed change is described in clause 37.10, no repeated info is needed here. |
| 912 | Mikael Lorgeoux | 9.4.2.1 | 59.18 | In this paragraph, the 3 occurances of "UHR Operation Information field" should be replaced by "UHR Operation Element". | Same as in comment | Revised-Agree with the comment. Rephrase this sentence to account for the proposed change.Apply the changes marked as #912 in this document. |
| 1499 | Dongju Cha | 9.4.2.aa1 | 59.18 | Naming of NPCA Operation Information Present field can be changed to NPCA Enabled. Rather than saying NPCA Operation Information Present is set to 1 indicates the operation of NPCA is enabled and NPCA Operation Information field exists, it is more natural to say NPCA Enabled field indicates the operation of NPCA is enabled and NPCA Operation Information field exists in UHR Operation Information element. Also, to make alignment with other features that is defined (e.g., DPS Enabled) in UHR Operation Parameter field, it is better to change to NPCA Enabled for readability | As in comment | Revised-Agree with the comment. Rephrase the corresponding paragraphs to account for the proposed change.Apply the changes marked as #1499 in this document. |
| 2094 | Vishnu Ratnam | 9.4.2.aa1 | 59.18 | Suggest to change the name of "NPCA Operation Information Present" field to "NPCA Enabled" to be consistent with the other fields. | As in comment. | Revised-Agree with the comment. Change "NPCA Operation Information Present" to "NPCA Enabled".Apply the changes marked as #2094 in this document. |
| 3277 | Hanqing Lou | 9.4.2.aa1 | 59.18 | Better unify the field format for DPS and NPCA. For example, we have DPS Enable field, then we may want to have NPCA enabled field. | Change "NPCA Operation Information Present field" to "NPCA Enabled field" | Revised-Agree with the comment. Change "NPCA Operation Information Present" to "NPCA Enabled".Apply the changes marked as #3277 in this document. |
| 2620 | Ying Wang | 9.4.2.aa1 | 59.23 | Wrong field name referred in "The NPCA Operation Present field is set to 0 to indicate that..." | Change "The NPCA Operation Present field is set to 0 to indicate that..." to "The NPCS Operation Information Present field is set to 0 to indicate that..." | Revised-The citeded part is revised based on the comment CID 3339.Apply the changes marked as #3399 in this document. |
| 3375 | Zhenpeng Shi | 9.4.2.aa1 | 59.23 | "NPCA Operation Presnet field" should be "NPCA Operation Information Present field". | As in comment. | Revised-The citeded part is revised based on the comment CID 3339.Apply the changes marked as #3399 in this document. |
| 2411 | Manasi Ekkundi | 9.4.2.aa.1 | 59.26 | DPS operation parameter location and definition can be placed together with DPS enabled field | Delete lines 26 to 30 and add below at line 13." The DPS Enabled field indicates whether DPS operation is enabled at the AP which is a Mobile-AP (TBD for non Mobile-AP) transmitting this field and whether the DPS Operation Parameter field is present in the UHR Operation Information field. The DPS Operation Parameters field contains parameters for dynamic power save operation as defined in 9.4.1.85 (DPS Operation Parameters field). DPS Operation Parameters field is not present if the DPS Enabled field is 0." | Revised-Agree with the comment.Apply the changes marked as #2411 in this document. |
| 3400 | Gaurang Naik | 9.4.2.aa1 | 59.26 | To avoid having to switch between subclauses, better to define the DPS Operation Parameters field as a subfield of the UHR Operation Information field. | As in comment. | Rejected-The comment failed to identify the technical issue. |
| 793 | Seongho Byeon | 9.4.2.aa1 | 59.32 | It is not clear where the NPCA Operation Information field belongs. A clear description is needed for the location of NPCA Operation Information field. | Suggest adding clear location information of the field. | Revised-A clarification is made, the NPCA Operation Information field is in the UHR Operation element.Apply the changes marked as #793 in this document. |
| 3376 | Zhenpeng Shi | 9.4.2.aa1 | 59.32 | Other TBD fields can also be included in NPCA Operation Information field, for example, whether AP enables the mode in which untriggered UL transmissions on the NPCA primary channel by NPCA non-AP STAs is not permitted. | Add "whether other fields related to NPCA operation will be included in NPCA Operation Information field is TBD". | Rejected-The comment failed to identify the technical issue, please point out what field be included. |
| 2945 | Mark RISON | 9.4.2.aa1 | 59.36 | Weird font for the first 7 | As it says in the comment | Revised-The cited part is changed based the comment CID 2395. No further change is needed for this comment. |
| 2451 | Klaus Doppler | 9.4.2.aa1 | 59.40 | NPCA parameters in Figure 9-aa3 does not include an option to signal NPCA channelization | Include an NPCA channelization field in the NPCA parameters. This will give the opportunity to use a channelization which is not the default channelization for NPCA operation. | Rejected-The comment failed to identify the technical issue, the motivation to have NPCA channelization is not clear. |
| 1041 | Matthew Fischer | 9.4.2.aa1 | 59.42 | Replace TBDs with implementable values. | Within Figure 9-aa3 UHR Operation information field format, Replace TBD size of NPCA Minimum Duration Threshold field with 8 (i.e. 8 bits), fix bit position indication above the image for this field appropriately, | Revised-The corresponding change has beed made in 802.11bn D0.3.To TGbn editor, no futher change for this CID. |
| 2395 | Yuki Fujimori | 9.4.2.aa1 | 59.42 | In Figure 9-aa3 --NPCA Operation Information field format, why do we need 8 bits for signalling NPCA Primary Channel? Isn't it enough to have 4 bits to express at most 16 20MHz channels in 320MHz operating bandwidth? | Fix the bit size of NPCA Primary Channel from 8 to 4. | Revised-Agree with the comment.Apply the changes marked as #2395 in this document. |
| 2947 | Mark RISON | 9.4.2.aa1 | 59.51 | "The NPCA Minimum Duration Threshold field indicates the minimum duration of inter-BSS activity (inter-BSS PPDU or inter-BSS TXOP) that is required to have been indicated on the primary channel of the BSS as a necessary condition to permit an NPCA STA to switch to the NPCA primary channel to perform NPCA operation." not clear what "an NPCA STA" means | Change to "the NPCA AP and its associated NPCA non-AP STAs" as in the previous para | Accepted- |
| 1042 | Matthew Fischer | 9.4.2.aa1 | 59.55 | Replace TBDs with implementable values. (NPCA Minimum Duration Threshold field) | Replace "The encoding and the maximum value of this field are TBD." with "The NPCA Minimum Duration Threshold field contains an unsigned integer, in 20 s units, that indicates a delay between 0 and 5100 s." | Revised-The corresponding change has beed made in 802.11bn D0.3.To TGbn editor, no futher change for this CID. |
| 1501 | Dongju Cha | 9.4.2.aa1 | 59.55 | TBD should be resolved | As in comment | Revised-The corresponding change has beed made in 802.11bn D0.3.To TGbn editor, no futher change for this CID. |
| 1500 | Dongju Cha | 9.4.2.aa1 | 59.57 | NPCA Switching Delay field and NPCA Switch Back Delay field need to have unified form. Change NPCA Switch Back Delay to NPCA Switching Back Delay | As in comment | Revised-Agree with the comment. To TGbn editor, please change “NPCA Switching” to “NPCA Switch” though the 802.11bn draft 0.2.Apply the changes marked as #1500 in this document. |
| 2948 | Mark RISON | 9.4.2.aa1 | 59.57 | "The NPCA Switching Delay field indicates the time needed by an NPCA STA to switch from the BSS pri-mary channel to the NPCA primary channel in units of 4 s.The NPCA Switch Back Delay field indicates the time needed by an NPCA STA to switch from the NPCA primary channel to the BSS primary channel in units of 4 s." not clear what "an NPCA STA" means. Since this is sent by the AP it must be the AP | Change to "... by the NPCA AP ..." | Accepted- |
| 1502 | Dongju Cha | 9.4.2.aa1 | 59.58 | "in units of 4 us" should be changed to "in the unit of 4 us" | As in comment | Revised-Agree with the comment. Apply the changes marked as #1502 in this document. |
| 1535 | yajun CHENG | 9.4.2.aa1 | 59.58 | To be more accurate, it should be "NPCA AP" instead of "NPCA STA". The same issue in P59L61. | As in comment. | Accepted- |
| 3857 | Abhishek Patil | 9.6.15 | 63.22 | Add UHR Operation and UHR Capabilities element to the tables in clause 9.6.15.2.2 and 9.6.15.3.2. | As in comment | Revised-Agree with the comment in principle. Apply the changes marked as #3857 in this document. |
| 3858 | Abhishek Patil | 9.6.12 | 63.22 | Add UHR Capabilities element to 9.6.12.2 and 9.6.12.3, and add UHR Operation element 9.6.12.4. | As in comment | Revised-Agree with the comment in principle. Apply the changes marked as #3858 in this document. |
| 3860 | Abhishek Patil | 9.6.7.17 | 63.25 | Add UHR Capabilities element to 9.6.7.17 | As in comment | Revised-Agree with the comment in principle. Apply the changes marked as #3860 in this document. |
| 3140 |  | 9.6.12.2 | 0 | TDLS frame (e.g., TLDS Setup Request frame, TDLS Setup Response frame, etc.) should be updated based on UHR features. For example, TLDS STA need to know which UHR features (NPCA, IDC, DPS, etc.) the peer STA supports or enables. | Update the TDLS frames and related fields accordingly | Revised-Agree with the comment in principle. Apply the changes marked as #3140 in this document. |

**Discussion:** None.

***TGbn Editor: please modify the following paragraph in 802.11bn 0.2***

***Insert the following new subclauses at the end of subclause 9.4.2: (#855)***

* UHR Operation Element

The operation of UHR STAs in a UHR BSS is controlled by the following:

* The HT Operation element, HE Operation element, EHT Operation element, and UHR Operation element if operating in the 2.4 GHz band
* The HT Operation element, VHT Operation element (if present), HE Operation element, EHT Operation element, and UHR Operation element if operating in the 5 GHz band
* The HE Operation element, EHT Operation element and UHR Operation element if operating in the 6 GHz band

The format of the UHR Operation element is shown in Figure9-aa1 (UHR Operation element format).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Element ID | Length | Element ID Extension | UHR Operation Parameters | Basic UHR-MCS And NSS Set | UHR Operation Information | DPS Operation Parameters | NPCA Operation Parameters |
| Octets: | 1 | 1 | 1 | 2 | 4 | 0,3 or 5 | 0 or 4 | 0 or 6(#911, 3278) |
| * UHR Operation element format
 |

The Element ID, Length, and Element ID Extension fields are defined in 9.4.2.1 (General).

 The format of the UHR Operation Parameters field is shown in Figure 9-aa2 (UHR Operation Parameters field format) (#2942, 132, 3615).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | B0 | B1 | B2 |  |  | B3 B15 |
|  | DPS Enabled | NPCA -Enabled (#3399,3277) | DBE Enabled |  |  | Reserved |
| Bits: | 1 | 1 | 1 |  |  (#2944) | 13 |
| * UHR Operation Parameters field format
 |

The DPS Enabled field indicates whether DPS is enabled at the mobile AP transmitting this field. The DPS Enabled field is set to 1 if DPS is enabled; otherwise it is set to 0. The DPS Operation Parameters field is not present in a UHR Operation element if the UHR Operation element is carried in a Beacon frame or DPS is not enabled; otherwise it is present in the UHR Operation element. (#2095, 1499, 2943).

The NPCA Enabled field indicates whether NPCA operation is enabled at the AP transmitting this field. The NPCA Enabled field is set to 1 if the NPCA operation is enabled; otherwise it is set to 0 . The NPCA Operation Parameters field is not present in a UHR Operation element if the UHR Operation element is carried in a Beacon frame or NPCA operation is not enabled; otherwise it is present in the UHR Operation element. (#3399, 912, 1499, 2094, 793, 3277).

The DPS Operation Parameters field contains parameters for dynamic power save operation and is defined in 9.4.1.85 (DPS Operation Parameters field). (#2411).

The format of the NPCA Operation Information field is defined in Figure 9-aa3 (NPCA Operation Information field format),

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | B0 B3 | B4 B7 | B8 B13 | B14 B19 | B20 B23 |
|  | NPCA Primary Channel | NPCA Minimum Duration Threshold | NPCA Switch(#1500) Delay | NPCA Switch Back Delay | Reserved |
| Bits: | (#2395) 4  | 4 | 6 | 6 | 4 |
| * NPCA Operation Parameters (#911) field format
 |

The NPCA Primary Channel field indicates the channel number of a channel within the BSS bandwidth that corresponds to the channel that the NPCA AP and its associated NPCA non-AP STAs switch to in order to perform NPCA operation, as described in 37.11 (Non-primary channel access (NPCA)).

The NPCA Minimum Duration Threshold field indicates the minimum duration of inter-BSS activity (inter-BSS PPDU or inter-BSS TXOP) that is required to have been indicated on the primary channel of the BSS as a necessary condition to permit an NPCA STA to switch to the NPCA primary channel to perform NPCA operation. The NPCA Minimum Duration Threshold field is set as defined in Table 9-349b (Encoding of the NPCA Minimum Duration Threshold field).

The NPCA Switch (#1500) Delay field indicates the time needed by an NPCA STA to switch from the BSS primary channel to the NPCA primary channel in the unit (#1502) of 4 µs.

The NPCA Switch Back Delay field indicates the time needed by an NPCA STA to switch from the NPCA primary channel to the BSS primary channel in the unit(#1502) of 4 µs.

**9.4.2.44 Multiple BSSID element**

***Change the second item of the 11th paragraph (not all items shown) as follows:***

—The Timestamp and Beacon Interval fields, TIM, DSSS Parameter Set, IBSS Parameter Set, Coun-try, Channel Switch Announcement, Extended Channel Switch Announcement, Wide Bandwidth Channel Switch, Transmit Power Envelope, Supported Operating Classes, IBSS DFS, ERP Informa-tion, HT Capabilities, HT Operation, VHT Capabilities, and VHT Operation, S1G Beacon Compati-bility, Short Beacon Interval, S1G Capabilities, S1G Operation, HE Capabilities, HE 6 GHz Band Capabilities, HE Operation, BSS Color Change Announcement, Spatial Reuse Parameter Set, Max Channel Switch Time, Quiet, Quiet Channel, and Multiple BSSID Configuration, EHT Capabilities, EHT Operation elements, UHR Capabilities, and UHR Operation elements (#3850) are not included in the Nontransmitted BSSID Profile subelement; the values of these elements for each nontransmitted BSSID are always the same as the corresponding transmitted BSSID element values.

**9.6.15.2.2 Mesh Peering Open frame details**

***Insert two new rows to Table 9-519—Mesh Peering Open frame Action field format (not all lines shown) in numeric order: (#3857)***

|  |
| --- |
| Table 9-519—Mesh Peering Open frame Action field format |
| Order | Information | Notes |
| … |  |  |
| <Lastassigned + 1> | UHR Capabilities | The UHR Capabilities element is present if dot11UHROptionImplemented is true; otherwise, it is not present. |
| <Lastassigned + 2> | UHR Operation | The UHR Operation element is present if dot11UHROptionImplemented is true; otherwise, it is not present. |

**9.6.15.3.2 Mesh Peering Confirm frame details**

***Insert two new rows to Table 9-520—Mesh Peering Confirm frame Action field format (not all lines shown) in numeric order: (#3857)***

|  |
| --- |
| Table 9-520—Mesh Peering Confirm frame Action field format |
| Order | Information | Notes |
| … |  |  |
| <Lastassigned + 1> | UHR Capabilities | The UHR Capabilities element is present if dot11UHROptionImplemented is true; otherwise, it is not present. |
| <Lastassigned + 2> | UHR Operation | The UHR Operation element is present if dot11UHROptionImplemented is true; otherwise, it is not present. |

**9.6.12.2 TDLS Setup Request Action field format**

***Insert one new row to Table 9-497—Information for TDLS Setup Request Action field (not all lines shown) in numeric order: (#3858,*** 3140***)***

|  |
| --- |
| Table 9-497—Information for TDLS Setup Request Action field |
| Order | Information | Notes |
| … |  |  |
| <Lastassigned + 1> | UHR Capabilities | The UHR Capabilities element is present if dot11UHROptionImplemented is true; otherwise, it is not present. |

**9.6.12.3 TDLS Setup Response Action field format**

***Insert one new row to Table 9-498—Information for TDLS Setup Response Action field (not all lines shown) in numeric order: (#3858,*** 3140***)***

|  |
| --- |
| Table 9-498—Information for TDLS Setup Response Action field |
| Order | Information | Notes |
| … |  |  |
| <Lastassigned + 1> | UHR Capabilities | The UHR Capabilities element is present if dot11UHROptionImplemented is true; otherwise, it is not present. |

**9.6.12.4 TDLS Setup Confirm Action field format**

***Insert one new row to Table 9-499—Information for TDLS Setup Confirm Action field (not all lines shown) in numeric order: (#3858,*** 3140***)***

|  |
| --- |
| Table 9-499—Information for TDLS Setup Confirm Action field |
| Order | Information | Notes |
| … |  |  |
| <Lastassigned + 1> | UHR Operation | The UHR Operation element is present if dot11UHROptionImplemented is true; otherwise, it is not present. |

**9.6.7.16 TDLS Discovery Response frame format**

***Insert one new row to Table 9-457—TDLS Discovery Response frame Action field format (not all lines shown) in numeric order: (#3860,*** 3140***)***

|  |
| --- |
| Table 9-457—TDLS Discovery Response frame Action field format |
| Order | Information | Notes |
| … |  |  |
| <Lastassigned + 1> | UHR Capabilities | The UHR Capabilities element is present if dot11UHROptionImplemented is true; otherwise, it is not present. |

**9.4.2.36 Neighbor Report element**

***Change Table 9-212 (Optional subelement IDs for Neighbor Report) (not all lines shown) as follows:***

|  |
| --- |
| Table 9-212—Optional subelement IDs for Neighbor Report (#3847) |
| Subelement ID | Name | Extensible |
| … |  |  |
| [ANA] | UHR Capabilities | Yes |
| <ANA> | UHR Operation | Yes |
| <ANA>-220 | Reserved |  |

***Insert the following paragraph after the 65th paragraph (“The Data field of the Basic Multi-***

***Link subelement ...”):***

The Data field of the UHR Capabilities subelement has the same format as the Information field of the UHR Capabilities element defined in 9.4.2.aa1 (UHR Capabilities element). (#3847)

The Data field of the UHR Operation subelement has the same format as the Information field of the UHR Operation element defined in 9.4.2.aa2 (UHR Operation element). (#3847)