IEEE P802.11  
Wireless LANs

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| D0.1 CID resolutions for Section 38.1 – Part 3 | | | | |
| Date: 2025-05-11 | | | | |
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Abstract

This submission contains proposed comment resolutions to comments pertaining to Clause 38.1 in P802.11bn D0.1. The proposed text edits as part of the resolutions will be with respect to Draft 0.2.

The submission provides resolutions to the following 12 CIDs :

* 1471, 3226, 2047,2048,2237,2549,2559,2567,2568,2569,2717,3295

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 1471 | 38.1.1 | 87.23 | There are spelling inconsistencies for the terms between "UHR non-AP STA(p76)" and "non-AP UHR STA." | Define which spelling is correct. | Revised  In 11be spec, the term “non-AP EHT STA” and “EHT non-AP STA” are both used. In majority of the cases, espeically in PHY sections, the term “non-AP EHT STA” is used. Similar situation in 11b D0.2 in which almost all PHY sections uses “non-AP UHR STA”. Recommend at least in the PHY sections using “non-AP UHR STA” term.  Instruction to editor:  Please replace all “UHR non-AP STA” with “non-AP UHR STA” |
| 3226 | 38.1.1 | 87.09 | It is not clear whether each newly defined features is manodatory or optional. | Please revise the overview text to make it clear. | Rejected  Wait for the group to reach concensus |
| 2047 | 38.1.1 | 88.20 | The full bandwidth and partial bandwidth UHR sounding are not defined in Section 37.7 (UHR sounding operation). Instead, UHR TB sequential NDP sounding and UHR TB joint NDP sounding are used. | Either define "full bandwidth" and "partial bandwidth" UHR sounding in 37.7, or replace "full bandwidth" and "partial bandwidth" with "sequencial" and "joint" respectively. | Revised  Clarify that except for multiple AP (e,g. C-BF) related sounding, UHR doesn’t define new sounding operation and will use EHT sounding process.  Instruction to editor:  Please replace the following in P96L20 of D0.2  “Full bandwidth and partial bandwidth UHR sounding as defined in 37.7 (UHR sounding operation).” with  “Mulit-AP sequential and joint UHR sounding as defined in 37.7 (UHR sounding operation) if AP supports C-BF.” |
| 2048 | 38.1.1 | 88.28 | The full bandwidth is not defined in Section 37.7 (UHR sounding operation). Instead, UHR TB sequential NDP sounding sounding is used. | Either define "full bandwidth UHR sounding" in 37.7, or replace "full bandwidth" with "sequencial" . | Revised  Except for multiple AP (e,g. C-BF) related sounding, UHR doesn’t define new sounding operation and will use EHT sounding process.  Instruction to editor:  see the Proposed Text Changes section of 11-25/0881r0 |
| 2237 | 38.1.1 | 88.23 | "A non-AP UHR STA shall support the following features: -- Responding with requested beamforming feedback in a UHR sounding procedure with up to 4 spatial streams in the EHT sounding NDP if the non-AP STA supports Co-BF, except for a 20 MHz-only non-AP STA with 20 MHz-Only Limited Capabilities Support subfield equal to 1. -- Full bandwidth UHR sounding as defined in 37.7 (UHR sounding operation) if the non-AP STA supports Co-BF.". The following features are mandatory support only if non-AP STA support Co-BF, no need to add except for a 20 MHz-only STA lll equal to 1 since those STAs do not support Co-BF.. Please change the sentences to "A non-AP UHR STA shall support the following features if it supports Co-BF: -- Responding with requested beamforming feedback in a UHR sounding procedure with up to 4 spatial streams in the EHT sounding NDP -- Full bandwidth UHR sounding as defined in 37.7 (UHR sounding operation) | As in comment | Revised  Agree with commenter that no need to mention “except for a 20 MHz-only non-AP STA with 20 MHz-Only Limited Capabilities Support subfield equal to 1” since those devices can indicate the support of C-BF sounding directly. Morevoer, need to clarify that the only new sounding operation introduced in UHR is multi-AP sequential or joint sounding.  Instruction to editor:  see the Proposed Text Changes section of 11-25/0881r0 |
| 2549 | 38.1.1 | 88.26 | There has been no decision that UHR will have two types of 20 MHz-Only STA - one with limited capabilities, and one without the limited capabilites. The reason why EHT had the two types was because the original definition of the EHT 20 MHz-Only STA was too broad and not practical, so EHT had to add a narrower scope version of the 20 MHz-Only STA. There is no need to repeat the same mistake in UHR. We should just define one narrow scope/simple 20 MHz-Only UHR STA. Furthermore, the UHR Capabilities element currently does not have "20 MHz-Only Limited Capabilities Support" | Change "except for a 20 MHz-only non-AP STA with 20 MHz-Only Limited Capabilities Support subfield equal to 1" to "except for a 20 MHz-only non-AP UHR STA" | Rejected  Will wait for the group consensus on this topic |
| 2559 | 38.1.1 | 88.25 | It seems the two items can/should be combined into one. | Combine the two bullets on line 25 and 29. | Revised  Agree in principle  Instruction to editor:  see the Proposed Text Changes section of 11-25/0881r0 |
| 2567 | 38.1.1 | 88.59 | The list of features that UHR APs shall or may support is incomplete, and should be updated | Add new text or rewrite to more completely list the features that UHR APs must support and features that UHR APs can optionally support | Rejected  Will wait for group consensus to update the text in the future |
| 2568 | 38.1.1 | 88.23 | The list of features that UHR non-AP STAs shall or may support is incomplete, and should be updated | Add new text or rewrite to more completely list the features that UHR non-AP STAs must support and features that UHR non-AP STAs can optionally support | Rejected  Will wait for group consensus to update the text in the future |
| 2569 | 38.1.1 | 88.30 | Previous PHY amendments additionally include lists of features that may or shall be supported for: all STAs, 20MHz operating STAs, and 20MHz operating limited capability STAs. Consider adding new text to list and classify the new UHR features accordingly | As stated in comment. | Rejected  Will wait for group consensus to update the text in the future |
| 2717 | 38.1.1 | 88.19 | From line 19 to line 30, should be deleted or complete the section, as optional / madatory features have not discussed | see comments | Rejected  Text will be added as more consensus reached by the group |
| 3295 | 38.1.1 | 88.20 | "A UHR AP may support the following features: -- Full bandwidth and partial bandwidth UHR sounding as defined in 37.7 (UHR sounding operation)." This statement seems defining all the sounding modes are optional for AP. Need clarify. | Clarify the mandatory and optional sounding operations. | Revised  Clarified that only multi-AP joint or sequential sounding supporti is optionaly supported if a STA supports C-BF  Instruction to editor:  see the Proposed Text Changes section of 11-25/0881r0 |

# Text Changes

D0.2 P96 L24 (CID 2048,2237, 2559, 3295)

A non-AP UHR STA shall support the following features:

— Responding with requested beamforming feedback in a UHR multi-AP sequential and/or joint sounding procedure with up to 4 spatial streams in the EHT sounding NDP if the non-AP STA supports Co-BF

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