IEEE P802.11  
Wireless LANs

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| CC50 editorial comments part 1 | | | | |
| Date: Mar 21, 2025 | | | | |
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Abstract

This submission proposes resolutions for CC50 editorial comments part 1:

17 CIDs: CID 110, 276, 397, 398, 461, 462, 472, 712, 716, 854, 860, 1032, 1034, 1328, 1672, 1673, 1674

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: update based on offline comments, remove CID 184, 399, so the total number of CIDs is 17 now.

## CID 110

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 21.17 | 3.2 | In the definition of coordinated beamforming, the term "multiple-AP" uses a lowercase "m," which is inconsistent with its usage in other sections of the specifications. | Change "multi-AP" to "Multi-AP". Suggest making the same change for the definition of coordinated spatial reuse. | REVISED  TGbn editor: please change Multi-AP to multi-AP throughout the IEEE P802.11bn D0.1 except for initial letters, no changes for coordinated spatial reuse as it is a suggestion, and the instruction is not clear. |

## CID 398

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 21.18 | 3.2 | This clause uses 'Multi-AP' in some places and 'multi-AP' in others. Please use a unified term, such as Multi-AP. | as in comment | REVISED  TGbn editor: please change Multi-AP to multi-AP throughout the IEEE P802.11bn D0.1 except for initial letters. |

## CID 1674

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 2.01 | Abstract | Unnecessary and inconsistent use of capitalization | Use lower case for expanded acronyms (e.g., ultra high reliability, wireless local area network, medium access control, etc.). Same comment for the introduction text on page 3, lines 11-32. Same comment for other sections (e.g., "Multi-AP coordination" should be "multi-AP coordination", etc.) | REVISED  TGbn editor: please change Multi-AP to multi-AP throughout the IEEE P802.11bn D0.1 except for initial letters. |

2.6 Capitalization

Capital letters are often over-used. In particular, some groups seem to think that every concept they create (especially the Really Important Ones) deserves capitals. This Is Not So. Initial caps are used as described below.

Capital letters should be reserved for:

* Abbreviations
* Proper names of entities outside 802.11. Generally, follow whatever appears to be the prevailing custom.
* Initial first letter of headings
* Initial letters of proper names, which includes:
  + Frame names – e.g. the “Beacon frame”, but “transmits a beacon” where it is used to represent the concept of a beacon (no caps).
  + Element & subelement names – e.g. “the Capabilities element”, but “the capabilities of the STA”
  + Field & subfield names – e.g. “the More Data subfield of the Frame Control field”, but “shall set it to 1 if it has more data to send”.
  + Enumerated values of a field or subfield
  + Certain measurement requests and reports (see 8.4.2.20 and 8.4.2.21)
* Grandfathered terms where the cost of changing the capitalization of a widely used term was considered excessive. The grandfathered terms include:
  + TIM Broadcast
  + Tail

For proper names, all words in the name (excluding acronyms) should be capitalized, including prepositions and conjunctions. This is to avoid ambiguity where the preposition or conjuction might be misinterpreted as part of the sentence. For example, “HT And VHT Trigger Frame RX Support subfield.” This rule may not apply to legacy text; these remain unchanged since the effort involved in changing all instances is substantial and no harm has been demonstrated.

When hyphenation is used in a frame, field, subfield, element or subelement name, then each component is capitalized, e.g., “Multi-Link Operation element”. This rule does not apply to legacy text; specifically, the following terms are grandfathered (remain unchanged):

* On-channel Tunnel Request frame
* WUR Wake-up frame
* WUR Short Wake-up frame
* WUR Wake-up Indication frame
* Recommended WUR Short Wake-up Frame or WUR Wake-up Frame Rate field
* Minimum Wake-up Duration subfield
* Multi-band RSNA subfield
* Multi-band element
* Multi-band Control field
* Multi-band GTK KDE
* Multi-band Key ID KDE
* Quality-of-Service Management Frame Policy element
* Number of Space-time Slots subfield

Note “Block Ack” was removed as a grandfathered term in REVmc. “Block Ack” still exists in this form, but only where it occurs in the name of a field or as an enumeration value.

**End of discussion**

## CID 276

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 21.10 | 3.2 | Typo in "identifying an AP, during" | Remove comma (-> identifying an AP during ...) | ACCEPTED  NOTE: already reflected in D0.2, no further changes are needed. |

## CID 397

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 21 | 3 | Clause 3 and 6 have different and wrong headers ("IEEE P802.11bn/D0.01, November 2024", "IEEE P802.11bn/D0.1, November 2024") | As in the comment | REVISED  TGbn editor: please change the headers to: IEEE P802.11bn/D0.2, March 2025  NOTE: already reflected in D0.2, no further changes are needed. |

## CID 461

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 22.08 | 3.2 | ICF is written two times. Delete the first occurrence | Initial control frame (ICF): [ICF]' should be 'Initial control frame: [ICF]' | ACCEPTED |

**Discussion:**

The reflected changes will be like this:

**Initial control frame:** [ICF] A Control frame that is sent to poll one or more STAs to determine their availability and/or willingness to participate during the TXOP. A STA’s participation might require transitioning to a different mode of operation.

## CID 462

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 22.13 | 3.2 | : is not needed after 'such as' | such as: Co-BF should be such as Co-BF | ACCEPTED  NOTE: already reflected in D0.2, no further changes are needed. |

## CID 472

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 57.65 | 9.4.1.85 | initial Control frame -> Initial Control frame to be uniform with the rest of the test. I is uppercase. | I should be uppercase to maintain uniformity with the rest of the text or just use ICF since the abbreviation is mentioned in the definitions section. | REVISED  TGbn editor: please change Initial control frame to Initial Control frame in page 22, line 8 of IEEE P802.11bn D0.1  Please add (ICF) after “initial Control frame” in page 54, line 28.  Please change “initial Control frame” to “ICF” in P.L:  9.60, 54.29, 57.65, 58.1, 77.37, 77. 39, 77.43, 80.28, 85.12, 85.15, 85.16, 85.20, 85.24  Change “initial Control frame (ICF)” to “ICF” in page 81, line 42 |

## CID 712

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 65.45 | 9.7.3 | "an UHR AP's" should be "a UHR AP's" | as the comment | ACCEPTED  NOTE: already reflected in D0.2, no further changes are needed. |

## CID 860

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 0.00 |  | Mixture of "a UHR ..." and "an UHR ...". | Change all those appearing as "an UHR ..." to "a UHR ...". | ACCEPTED  NOTE: already reflected in D0.2, no further changes are needed. |

## CID 716

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 26.16 | 6.4 | A typo in comments of Multi-AP Coordination Over-the-DS: "See 337.8 (Multi-AP coordination framework)." | Change "337.8" to "37.8" | ACCEPTED  NOTE: already reflected in D0.2, no further changes are needed. |

## CID 854

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 57 | 9.4.1.85 | Instruction missing to add 9.4.1.85. | Add the instruction. | REVISED  TGbn editor: insert “Add the following subclause after 9.4.1.84 as follows:” in page 57. Line 47 of IEEE P802.11bn D0.1.  NOTE: already reflected in D0.2, no further changes are needed. |

## CID 1032

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 35.13 | 9.2.4.6.4 | Shouldn't the table contain all values, not just the rows that surround the modifications due to this amendment? | Include all rows in Table 9-25 Control ID subfield values | REVISED  TGbn editor: please replace Table 9-25 in IEEE P802.11bn D0.1 with the new table shown in 11-25/0506r0 under CID 1032.  NOTE: already reflected in D0.2, no further changes are needed. |

TGbn editor: please replace Table 9-25 in IEEE P802.11bn D0.1 with the new table shown in 11-25/0506r0 under CID 1032.

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| * Control ID subfield values | | | |
| Control ID value | Meaning | Length of the Control Information subfield (bits) | Content of the Control Information subfield |
|
| 0 | Triggered response scheduling (TRS) | 26 | See 9.2.4.7.1 (TRS Control). |
| 1 | Operating mode (OM) | 12 | See 9.2.4.7.2 (OM Control). |
| 2 | HE link adaptation (HLA)/EHT link adaptation (ELA) | 26 | See 9.2.4.7.3 (HLA Control)/9.2.4.7.11 (ELA Control).  (See 9.2.4.7.11 (ELA Control) for disambiguating HLA Control and ELA Control.). |
| 3 | Buffer status report (BSR) | 26 | See 9.2.4.7.4 (BSR Control). |
| 4 | UL power headroom (UPH) | 8 | See 9.2.4.7.5 (UPH Control). |
| 5 | Bandwidth query report (BQR) | 10 | See 9.2.4.7.6 (BQR Control). |
| 6 | Command and status (CAS) | 8 | See 9.2.4.7.7 (CAS Control). |
| 7 | EHT operating mode (EHT OM) | 6 | See 9.2.4.7.8 (EHT OM Control). |
| 8 | Single response scheduling (SRS) | 10 | See 9.2.4.7.9 (SRS Control). |
| 9 | AP assistance request (AAR) | 20 | See 9.2.4.7.10 (AAR Control). |
| 10 | Multi-link power management (MLPM) | TBD | See 9.2.4.7.12 (MLPM Control) |
| 11–14  ~~10–14~~ | Reserved |  |  |
| 15 | Ones need expansion surely (ONES) | 26 | Set to all 1s. |

## CID 1034

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 35.13 | 9.2.4.6.4 | We don't use subfield anymore - everything is a field | Change the name "Control ID subfield" to "Control ID field" everywhere in the document and add an editorial instruction to make the change throughout the draft standard to appear as part of the amendment | REJECTED  The comment aligns with the editorial instructions. Whilst regarding the subfield used in previous standard, it is better to make the changes in REVmf. |

## CID 1328

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 100.43 | 38.3.2.1 | change "and and" to "and" | see comment | ACCEPTED  NOTE: already reflected in D0.2, no further changes are needed. |

## CID 1672

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 1.18 | Cover | Use of inconsistent capitalization (e.g., "Local") | Replace with "local" or shift "Local" to a new line (e.g., refer to page 19) | REVISED  TGbn editor: change the whole paragraph to:  Draft Standard for Information Technology—  Telecommunications and Information Exchange between Systems  Local and Metropolitan Area Networks—  Specific Requirements  NOTE: this follows the front page in Draft P802.11REVme D7.0 |

## CID 1673

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| **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 1.33 | Cover | Incorrect spelling for "reliability" | Correct spelling to "reliability". Also make the correction in the introduction page 3, line 7 | ACCEPTED  NOTE: already reflected in D0.2, no further changes are needed. |

End of the document