IEEE P802.11
Wireless LANs

|  |
| --- |
| PDT JOINT Abbreviations and Acronyms |
| Date: April 25, 2025 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Akira Kishida | NTT |  |  | akira.kishida@ntt.com |
| Yusuke Asai | NTT |  |  |  |
| Gaius Wee | Panasonic |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This submission proposes amending the draft text of abbreviations and acronyms in P802.11bn D0.2 to resolve CC50's five comments below.

400, 1458, 1680, 3222, 3957

**Revision History**

|  |  |
| --- | --- |
| **Revision** | **Changes** |
| 0 | Initial version of the document. |
| 1 | Clarified the document number |
| 2 | Removed 10 terms based on the feedback of the Editor’s meeting (see Discussions section) |
| 3 | Removed 2 terms based on Tomo’s comments cast to the reflector. |
| 4 | Added 1 term (ICF) based on 11-25/0657r0 |
|  |  |

**CC50 Comments**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 400 | Shuang Fan | 3.4 | 22.25 | add the definitions for DRU,RRU,IFCS,DPS,P-EDCA,LC,HC, DUO, and other acronyms mentioned in the draft | as in comment | **REVISED**Agree with the comment.TGbn editor: please implement changes as shown in this document tagged [CID400]. |
| 1458 | Akira Kishida | 3.4 | 22.29 | There are no abbreviations except MAPC and UHR. | Add the other terms those are defined in this amendment such as ICF, MLPM, AAR, DRU, DUO, PUO, and LOM. | **REVISED**Agree with the comment.TGbn editor: please implement changes as shown in this document tagged [CID1458]. |
| 1680 | Gaius Wee | 3.4 | 22 | Missing acronyms | Add missing acronyms (P-EDCA, etc) | **REVISED**Agree with the comment.TGbn editor: please implement changes as shown in this document tagged [CID1680]. |
| 3222 | Yusuke Asai | 3.2 | 21.04 | Some new technical terms such are DRU, RRU, ELR PPDU, and DBW are missed | Add the definitions for these terms. | **REVISED**Agree with the comment.TGbn editor: please implement changes as shown in this document tagged [CID3222]. |
| 3957 | Abhishek Patil | 3.4 | 22.25 | Add acronyms for NPCA/DUO/PUO to clause 3.4 | As in comment | **REVISED**Agree with the comment.TGbn editor: please implement changes as shown in this document tagged [CID3957]. |

**Discussion:**

Some terms (CFO, SINR, RL-SIG) are already used in the baseline but not included in the 3.4 Abbreviations and acronyms section. Should we include those terms in the section as indicated in this document?

Comments from the TGbn Editor based on the Editor’s meeting discussions: If the abbreviations are only locally used, then provide abbreviation when the term is firstly used. No need to add them into subclause 3.4. If the abbreviations are globally used in the whole draft, then could provide abbreviations also in subclause 3.4.

**SINR is only used in Annex AE in IEEE Std 802.11-2024 and the Abstract in IEEE P802.11bn D0.2. So, this use is regarded as locally used. The term has been deleted from 3.4 in this document.**

**CFO appears in 35 places in IEEE Std 802.11-2024 across 7 subclauses and is used in 11 places in IEEE P802.11bn D0.2 across 2 subclauses. Then, the term is considered a global use and has been added in subclause 3.4.**

**RL-SIG appears in 112 places in IEEE Std 802.11-2024; however, the term is not used in IEEE P802.11bn D0.2. The term has been deleted from 3.4 in this document because it is not for 11bn.**

Comments from the TGbn Editor based on the Editor’s meeting discussions: Do we need to define the abbreviation terms that are newly defined in subclause 3.2? (e.g. TGbn D0.1 newly defines DRU in subclause 3.2. Do we also need to define abbreviation of DRU in subclause 3.4 as well?)

Ross: the answer is no.

**Referring to the documents IEEE P802.11bn D0.2 and 11-****25/0646r4, these terms are already defined in subclause 3.2 and have been deleted from 3.4 in this document.**

**Co-BF
Co-RTWT
Co-SR
Co-TDMA
ICF
MAPC**

**Note: MAPC is initially indicated in IEEE P802.11bn D0.2 but deleted based on the criteria above.**

**Note: DRU is not shown in subclause 3.2 in both IEEE P802.11bn D0.2 and 11-25/0646r4 documents. The term is added as it is in this document.**

**Updated (r4): ICF is added again according to comment resolutions #3817 #3617 #1453 #1744 #2839 in the PDT regarding subclause 3.2. (25/0657r0)**

Comments from the TGbn Editor based on the Editor’s meeting discussions: How do we utilize the hyphen?
(e.g. Which is better for the abbreviation of "intermediate FCS", IFCS or I-FCS?)

Ross: recommend no hyphen, so IFCS.
Also, for the following multi-AP mechanism in 11bn, the following style is recommended:

CBF
CSR
CTDMA
CRTWT

**After applying the update based on the above comments, no more of the above terms use hyphens. Some terms defined in subclause 3.2 include hyphens, but that is beyond the scope of this PDT.**

Comments from the TGbn Editor based on the Editor’s meeting discussions: Besides, do not over use abbreviations, for example CoAP doesn’t save much compared with coordinated AP.

**After applying the update, adding this document's terms to subclause 3.4 seems reasonable.**

Comments from the member in the presentation: Please check that the term “HC” is used as “Hybrid Coordinator” in the baseline.

**As the commenter said, HC (higher capability) and LC (lower capability) are already used for the abbreviations of "hybrid coordinator" and "light communications" in the baseline, respectively. Therefore, other abbreviations should be used if needed. (But it is beyond the comment resolution of this document.)**

**According to the guideline in the Editor meeting, TGbn draft does not need to define them in subclause 3.4. because those terms are used only in subclause 37.10.2 (locally used). Then, these 2 terms have been deleted.**

**Proposed Changes to P802.11bn D0.2:**

**3.4 Abbreviations and acronyms**

[CID400, CID1458, CID1680, CID3222, CID3957]

***Insert the following acronym definitions (maintaining alphabetical order):***

CFO carrier frequency offset

DBW distribution bandwidth

DPS dynamic power save

DRU distributed-tone resource units

DSO dynamic subband operation

DUO dynamic unavailability operation

ELR extended long range

ICF initial control frame

ICR initial control response

IFCS intermediate FCS

IM interference mitigation

LLI low latency indication

LOM limited operation mode

MLPM multi-link power management

NPCA non-primary channel access

P-EDCA prioritized EDCA

PUO periodic unavailability operation

RRU regular RU

SMD seamless mobility domain

UEQM unequal modulation

UHR ultra high reliability

End of the document