IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | Definition Acronym | | | | | | Date: 2022-12-07 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Youhan Kim | Qualcomm Technologies, Inc. |  |  | [youhank@qti.qualcomm.com](mailto:youhank@qti.qualcomm.com) | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

This submission proposes resolutions for the following comments from comment collection on P802.11-REVme D2.0:

3819

NOTE – Set the Track Changes Viewing Option in the MS Word to “All Markup” to clearly see the proposed text edits.

**Revision History:**

R0: Initial version.

R1: Added some options suggested by TGme participants

R2: Added some options which came up during the Editors’ meeting on Nov. 15, 2022.

R3:

# CID 3819

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| --- | --- | --- |
| **CID**  **Clause**  **Page.Line** | **Comment** | **Proposed Change** |
| 3819  3  180.1 | Terms defined in clause 3 often do not show up in a 'search' because most of the terms are written out in 'long form' instead of 'full acronym'.  For example, if one searches for "STA 6G", the definition at P232L1 does not show up. This is because the 'term' is written as "station (STA) 6G" in Clause 3, not "STA 6G".  So, it is often very hard to find the definition unless one already knows that there is a definition for it and knows how to look for it - which seems to defeat the purpose of having a definition. | For the definition 'terms' in Clause 3, write the full acronym at the end of the full term.  E.g., "station (STA) 6G" --> "station 6G (STA 6G)" "high throughput (HT) beamformer" --> "high throughput beamformer (HT beamformer)" "high-efficiency (HE) masked HE-long training field (HE-LTF) sequence mode" --> "high-efficiency masked HE-long training field sequence mode (HE masked HE-LTF sequence mode)" |

**Proposed Resolution: CID 3819**

[11-22/1993r3 is for discussion purposes. Exact proposed resolution will be provided in subsequent revisions after discussion in the TGme group.]

**Proposed Text Update: CID 3819**

[Below is an example of some of the changes. This change is not exhaustive but shown here for discussion purposes.]

*Instruction to TGme Editor: Update REVme D2.0 clause 3 as shown below.*

**3. Definitions, acronyms, and abbreviations**

3.1 Definitions

…

**access point (AP) reachability:** [AP rechability] An AP is reachable by a station (STA) if preauthentication messages can be exchanged between the STA and the target AP via the distribution system (DS).

* Preauthentication is defined in 12.6.10.2 (Preauthentication and RSNA key management).

…

**aggregate medium access control (MAC) protocol data unit:** [A-MPDU] A structure that contains one or more MPDUs and is transported by a physical layer (PHY) as a single PHY service data unit (PSDU).

**aggregate medium access control (MAC) protocol data unit (A-MPDU) subframe:** [A-MPDU subframe] A portion of an A-MPDU that contains a delimiter and optionally contains an MPDU plus any necessary padding.

…

**Fast basic service set (BSS) transition:** [Fast BSS transition] Change of association by a station (STA) that is from one BSS in one extended service set (ESS) to another BSS in the same ESS and that minimizes the amount of time that the data connectivity is lost between the STA and the distribution system (DS).

…

**independent basic service set (IBSS) station (STA): [IBSS STA]** A STA that has started or joined an IBSS.

…

3.2 Definitions specific to IEEE Std 802.11

…

**destination directional multi-gigabit (DMG) station (STA):** [DMG STA] A DMG STA that is expected to receive during a time division duplex (TDD) slot, or a DMG STA identified by the destination association identifier (AID) field contained in a Grant frame or Extended Schedule element that caused the allocation of a service period (SP) or a contention based access period (CBAP).

…

**high-efficiency (HE) basic service set (BSS):** [HE BSS] A BSS in which the transmitted Beacon frame includes an HE Operation element.

**high-efficiency (HE) beacon:** [HE beacon] A Beacon frame transmitted in a HE single-user (SU) physical layer (PHY) protocol data unit (PPDU).

**high-efficiency (HE) beamformee: [HE beamformee]** An HE station (STA) that receives an HE physical layer (PHY) protocol data unit (PPDU) that was transmitted using a beamforming steering matrix.

**high-efficiency (HE) beamformer: [HE beamformer]** An HE station (STA) that transmits an HE physical layer (PHY) protocol data unit (PPDU) using a beamforming steering matrix.

…

**station (STA) 2G4:** [STA 2G4] A STA that is operating on a channel that belongs to any operating class that has a value of 25 or 40 for the entry in the Channel spacing column and that has a value of 2.407 or 2.414 for the entry in the Channel starting frequency column of any of the tables found in E.1 (Country information and operating classes).

**station (STA) 5G:** [STA 5G] A STA that is operating on a channel that belongs to any operating class that has a value of 20 or 40 for the entry in the Channel spacing column and that has a value of 5 for the entry in the Channel starting frequency column of any of the tables found in E.1 (Country information and operating classes).

**station (STA) 6G: [STA 6G]** A STA that is operating on a channel that belongs to any operating class that has a value of 5.925 or 5.950(#2333) for the entry in the “Channel starting frequency” column of Table E-4 (Global operating classes).(11ax)

**sub 1 GHz 1M (S1G\_1M) physical layer (PHY) protocol data unit (PPDU):** [S1G\_1M PPDU] A 1 MHz PPDU or 1 MHz duplicate PPDU that is transmitted with S1G\_1M preamble.

**Alternative 1.5:**

**sub 1 GHz 1M physical layer protocol data unit (S1G\_1M PPDU):** A 1 MHz PPDU or 1 MHz duplicate PPDU that is transmitted with S1G\_1M preamble.

**Alternative 2:**

**sub 1 GHz 1M (S1G\_1M) physical layer (PHY) protocol data unit (PPDU): (S1G\_1M PPDU)** A 1 MHz PPDU or 1 MHz duplicate PPDU that is transmitted with S1G\_1M preamble.

**Alternative 3:**

**sub 1 GHz 1M (S1G\_1M) physical layer (PHY) protocol data unit (PPDU):** A 1 MHz PPDU or 1 MHz duplicate PPDU that is transmitted with S1G\_1M preamble. **(S1G\_1M PPDU)**

**Alternative 4:**

**Sub 1 GHz 1M (S1G\_1M) physical layer (PHY) protocol data unit (PPDU):** A 1 MHz PPDU or 1 MHz duplicate PPDU that is transmitted with S1G\_1M preamble. **Used in the standard as S1G\_1M PPDU.**

**Alternative 5:**

**Sub 1 GHz 1M (S1G\_1M) physical layer (PHY) protocol data unit (PPDU):** A 1 MHz PPDU or 1 MHz duplicate PPDU that is transmitted with S1G\_1M preamble.

S1G\_1M PPDU

…

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