IEEE P802.11  
Wireless LANs

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| PDT: Initial text proposal for B.4.3 and B.4.36a.2 | | | | |
| Date: 2021-02-19 | | | | |
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Abstract

This document contains a partial proposal for Annex B of 802.11be (Protocol Implementation Conformance Statement (PICS)). Focus is on the PHY features.

Features were identified from section 36.1.1 and the latest proposal for EHT Capabilities.

R2 includes updates based on received comments

**Introduction**

Annex B contains the PICS (Protocol Implementation Conformance Statement). In D0.3, this Annex consists entirely of placeholders. Specifically, Section B.4.3 anticipates any additions to the IUT Configuration. Section B.4.36a.2 is a placeholder section for the Table of EHT PHY features.

In this submission, we provide text proposals for B.4.3 and B.4.36a.2.

Applicable features were identified from section 36.1.1 and from the ongoing activity in defining the EHT PHY Capabilities field.

**Text proposal**

**B.2.2 General abbreviations for Item and Support columns**

***Insert the following abbreviations into B.2.2:***

EHTM Extremely High Throughput MAC

EHTP Extremely High Throughput PHY

**B.4.3 IUT configuration**

***Add the following rows to the Table:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CFEHT | EHT Operation | Clause 36 | O | Yes ☐ No ☐ |
| CFEHT2G4 | EHT operation in the 2.4 GHz band | Clause 36 | O.10 | Yes ☐ No ☐ |
| CFEHT5G | EHT operation in the 5 GHz band | Clause 36 | O.10 | Yes ☐ No ☐ |
| CFEHT6G | EHT operation in the 6 GHz band | Clause 36 | O.10 | Yes ☐ No ☐ |
| CFEHT20 | EHT operation as a 20 MHz-only non-AP EHT STA | Clause 36 | CFIndepSTA AND CFEHT: O.11 | Yes ☐ No ☐ |
| CFEHT80 | EHT operation with capability of 80 MHz or wider channel width | Clause 36 | CFAP AND CFEHT: M | Yes ☐ No ☐ |
| CFIndepSTA AND CFEHT: O.11 |

**B.4.36a Extremely High Throughput (EHT) features**

**B.4.36a.1 EHT MAC features**

TBD

**B.4.36a.2 EHT PHY features**

***Add the following Table:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Protocol Capability** | **Reference** | **Status** | **Support** |
| **EHTP1** | **PHY Operating Modes** |  |  |  |
| EHTP1.1 | Operation according to Clause 17 (Orthogonal frequency division multiplexing (OFDM) PHY specification) | Clause 17 | CFEHT6G: M  CFEHT5G: M  CFEHT2G4: M | Yes ☐ No ☐ N/A ☐ |
| EHTP1.2 | Operation according to Clause 19 (High Throughput (HT) PHY specification) | Clause 19 | CFEHT5G AND CFEHT80: M | Yes ☐ No ☐ N/A ☐ |
| CFEHT5G AND CFEHT20: M |
| CFEHT2G4: M |
| EHTP1.3 | Operation according to Clause 21 (Very High Throughput (VHT) PHY specification) | Clause 21 | CFEHT5G AND CFEHT80: M | Yes ☐ No ☐ N/A ☐ |
| CFEHT5G AND CFEHT20: M |
| EHTP1.4 | Operation according to Clause 27 (High Efficiency (HE) PHY specification) | Clause 27 | CFEHT5G AND CFEHT80: M | Yes ☐ No ☐ N/A ☐ |
| CFEHT5G AND CFEHT20: M |
| CFEHT2G4: M |
| CFEHT6G: M |
|  |  |  |  |  |
| **EHTP2** | **EHT PPDU formats** |  |  |  |
| EHTP2.1 | Single user transmission of an EHT MU PPDU with single RU or MRU in the entire PPDU bandwidth | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP2.2 | Single user reception of an EHT MU PPDU with single RU or MRU in the entire PPDU bandwidth | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP2.3 | Transmission of an EHT MU PPDU where none of the RUs or MRUs utilize MU-MIMO (DL OFDMA) | 36.1.1 | CFEHT and CFAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP2.4 | Reception of an EHT MU PPDU where the RU/MRU allocated to the non-AP STA is not utilizing MU-MIMO (DL OFDMA). | 36.1.1 | CFEHT AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP2.5 | Transmission of an EHT MU PPDU consisting of a single RU or MRU spanning the entire PPDU bandwidth and utilizing MU-MIMO (DL MU-MIMO) | 36.3.3.1.2 | CFEHT and CFAP AND EHTP7.22: M | Yes ☐ No ☐ N/A ☐ |
| EHTP2.6 | Reception of an EHT MU PPDU consisting of a single RU or MRU in the entire PPDU bandwidth and utilizing MU-MIMO (DL MU-MIMO). | 36.3.3.1.2 | CFEHT AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP2.7 | MU-MIMO transmission on an RU/MRU in an EHT MU PPDU where there are multiple RU/MRUs in the PPDU bandwidth (DL MU-MIMO within OFDMA). | TBD | CFEHT and CFAP: O | Yes ☐ No ☐ N/A ☐ |
| EHTP2.8 | MU-MIMO reception on an RU/MRU in an EHT MU PPDU where there are multiple RU/MRUs in the PPDU bandwidth (DL MU-MIMO within OFDMA). | 36.3.3.1.1 | CFEHT AND CFSTAofAP: O | Yes ☐ No ☐ N/A ☐ |
| EHTP2.9 | Transmission of an EHT TB PPDU where the RU/MRU allocated to the non-AP STA is not utilizing MU-MIMO (UL OFDMA). | TBD | CFEHT AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP2.10 | Reception of an EHT TB PPDU where none of the RUs or MRUs utilize MU-MIMO (UL OFDMA) | TBD | CFEHT and CFAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP2.11 | Transmission of an EHT TB PPDU consisting of a single RU or MRU spanning the entire PPDU bandwidth and utilizing MU-MIMO (UL MU-MIMO) | 36.3.3.2.4 | CFEHT and CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP2.12 | Reception of an EHT TB PPDU consisting of a single RU or MRU spanning the entire PPDU bandwidth and utilizing MU-MIMO (UL MU-MIMO) | 36.3.3.3 | CFEHT and CFAP AND EHTP7.22: O | Yes ☐ No ☐ N/A ☐ |
| EHTP2.13 | Transmission of an EHT TB PPDU where the RU/MRU allocated to the non-AP STA is utilizing MU-MIMO (UL MU-MIMO within OFDMA). | TBD | CFEHT and CFSTAofAP: O | Yes ☐ No ☐ N/A ☐ |
| EHTP2.14 | Reception of an EHT TB PPDU where RU/MRU allocated to a non-AP STA are utilizing MU-MIMO (UL MU-MIMO within OFDMA). | TBD | CFEHT and CFAP AND EHTP7.22: O | Yes ☐ No ☐ N/A ☐ |
|  |  |  |  |  |
| **EHTP3** | **BSS Bandwidth** |  |  |  |
| EHTP3.1 | 20 MHz operation | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP3.2 | 40 MHz operation | 36.1.1 | CFEHT80 AND CFEHT5G: M | Yes ☐ No ☐ N/A ☐ |
| CFEHT80 AND CFEHT6G: M |
| CFEHT2G4: O |
| EHTP3.3: M |
| EHTP3.3 | 80 MHz operation | 36.1.1 | CFEHT80 AND CFEHT5G: M | Yes ☐ No ☐ N/A ☐ |
| CFEHT80 AND CFEHT6G: M |
| EHTP3.4: M |
| EHTP3.4 | 160 MHz operation | 36.1.1 | CFEHT80 AND CFEHT5G: O | Yes ☐ No ☐ N/A ☐ |
| CFAP AND CFEHT6G: M |
| CFSTAofAP AND CFEHT6G: O |
| EHTP3.5: M |
| EHTP3.5 | 320 MHz operation | 36.1.1 | CFEHT80 AND CFEHT6G: O | Yes ☐ No ☐ N/A ☐ |
| EHTP3.6 | Ability to participate in 40 MHz DL OFDMA | 36.3.2.2 | CFEHT20: M | Yes ☐ No ☐ N/A ☐ |
| EHTP3.7 | Ability to participate in 80 MHz DL OFDMA | 36.3.2.2 | CFEHT20: M | Yes ☐ No ☐ N/A ☐ |
| EHTP3.8 | Ability to participate in 160 MHz DL OFDMA | 36.3.2.2 | CFEHT20: M | Yes ☐ No ☐ N/A ☐ |
| CFEHT80: M |
| EHTP3.9 | Ability to participate in 320 MHz DL OFDMA | 36.3.2.3 | CFEHT20: M | Yes ☐ No ☐ N/A ☐ |
| CFEHT80: M |
| EHTP3.4: M |
| EHTP3.10 | Ability to participate in 40 MHz UL OFDMA | 36.3.2.2 | CFEHT20: M | Yes ☐ No ☐ N/A ☐ |
| EHTP3.11 | Ability to participate in 80 MHz UL OFDMA | 36.3.2.2 | CFEHT20: M | Yes ☐ No ☐ N/A ☐ |
| EHTP3.12 | Ability to participate in 160 MHz UL OFDMA | 36.3.2.2 | CFEHT20: M | Yes ☐ No ☐ N/A ☐ |
| CFEHT80: M |
| EHTP3.13 | Ability to participate in 320 MHz UL OFDMA | 36.3.2.3 | CFEHT20: M | Yes ☐ No ☐ N/A ☐ |
| CFEHT80: M |
| EHTP3.4: M |
|  |  |  |  |  |
| **EHTP4** | **EHT LTF formats** |  |  |  |
| EHTP4.1 | Single user transmission and reception of an EHT MU PPDU with a 2x EHT-LTF and 0.8 μs GI duration | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.2 | Single user transmission and reception of an EHT MU PPDU with a 2x EHT-LTF and 1.6 μs GI duration | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.3 | Single user transmission and reception of an EHT MU PPDU with a 4x EHT-LTF and 3.2 μs GI duration | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.4 | Single user transmission and reception of an EHT MU PPDU with a 4x EHT-LTF and 0.8 μs GI duration | 36.1.1 | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP4.5 | Multiple user transmission of an EHT MU PPDU with a 2x EHT-LTF and 0.8 μs GI duration | 36.1.1 | CFEHT and CFAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.6 | Multiple user transmission of an EHT MU PPDU with a 2x EHT-LTF and 1.6 μs GI duration | 36.1.1 | CFEHT and CFAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.7 | Multiple user transmission of an EHT MU PPDU with a 4x EHT-LTF and 3.2 μs GI duration | 36.1.1 | CFEHT and CFAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.8 | Multiple user transmission of an EHT MU PPDU with a 4x EHT-LTF and 0.8 μs GI duration | 36.1.1 | CFEHT AND CFAP: O | Yes ☐ No ☐ N/A ☐ |
| EHTP4.9 | Reception of a non-OFDMA EHT TB PPDU with a 1x EHT-LTF and 1.6 µs GI duration on the EHT-LTF and Data field OFDM symbols | 36.1.1 | CFEHT AND CFAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.10 | Reception of an EHT TB PPDU with a 2x EHT-LTF and 1.6 µs GI duration on the EHT-LTF and Data field OFDM symbols | 36.1.1 | CFEHT AND CFAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.11 | Reception of an EHT TB PPDU with a 4x EHT-LTF and 3.2 µs GI duration on the EHT-LTF and Data field OFDM symbols | 36.1.1 | CFEHT AND CFAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.12 | Reception of an EHT MU PPDU to multiple users with a 2x EHT-LTF and 0.8 µs GI duration on the EHT-LTF and Data field OFDM symbols | 36.1.1 | CFEHT AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.13 | Reception of an EHT MU PPDU to multiple users with a 2x EHT-LTF and 1.6 µs GI duration on the EHT-LTF and Data field OFDM symbols | 36.1.1 | CFEHT AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.14 | Reception of an EHT MU PPDU to multiple users with a 4x EHT-LTF and 3.2 µs GI duration on the EHT-LTF and Data field OFDM symbols | 36.1.1 | CFEHT AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.15 | Reception of an EHT MU PPDU to multiple users with a 4x EHT-LTF and 0.8 µs GI duration on the EHT-LTF and Data field OFDM symbols | 36.1.1 | CFEHT AND CFSTAofAP: O | Yes ☐ No ☐ N/A ☐ |
| EHTP4.16 | Transmission of a non-OFDMA EHT TB PPDU with a 1x EHT-LTF and 1.6 µs GI duration on the EHT-LTF and Data field OFDM symbols | 36.1.1 | CFEHT AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.17 | Transmission of an EHT TB PPDU with a 2x EHT-LTF and 1.6 µs GI duration on the EHT-LTF and Data field OFDM symbols | 36.1.1 | CFEHT AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.18 | Transmission of an EHT TB PPDU with a 4x EHT-LTF and 3.2 µs GI duration on the EHT-LTF and Data field OFDM symbols | 36.1.1 | CFEHT AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP4.19 | Support of extra EHT-LTF for non-OFDMA transmissions | TBD | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
|  |  |  |  |  |
| **EHTP5** | **RU support** |  |  |  |
| EHTP5.1 | (single) RU support in all applicable locations |  |  |  |
| EHTP5.1.1 | 26-tone RU mapping | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.1.2 | 52-tone RU mapping | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.1.3 | 106-tone RU mapping | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.1.4 | 242-tone RU mapping | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.1.5 | Support of 242-tone RU in wider BW OFDMA | 36.1.1 | CFEHT20: O | Yes ☐ No ☐ N/A ☐ |
| EHTP5.1.6 | 484-tone RU mapping | 36.1.1 | CFEHT80: M | Yes ☐ No ☐ N/A ☐ |
| 36.1.1 | EHTP3.2: M |
| EHTP5.1.8 | 996-tone RU mapping | 36.1.1 | CFEHT80: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.1.9 | 2x996-tone RU mapping | 36.1.1 | EHTP3.4: M | Yes ☐ No ☐ N/A ☐ |
| 36.1.1 | EHTP3.5: M |
| EHTP5.1.11 | 4x996-tone RU mapping | 36.1.1 | EHTP3.5: M | Yes ☐ No ☐ N/A ☐ |
|  |  |  |  |  |
| EHTP5.2 | Large M-RU support in all applicable locations |  |  |  |
| EHTP5.2.1 | 484+242 tone RU in non-OFDMA | 36.3.2.3.3 | CFEHT80: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.2.2 | 996+484 tone RU in non-OFDMA | 36.3.2.3.3 | EHTP3.4: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.2.3 | 996+484+242 tone RU in non-OFDMA | 36.3.2.3.3 | EHTP3.4: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.2.4 | 2x996+484 tone RU in non-OFDMA | 36.3.2.3.3 | EHTP3.5: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.2.5 | 3x996 tone RU in non-OFDMA | 36.3.2.3.3 | EHTP3.5: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.2.6 | 3x996+484 tone RU in non-OFDMA | 36.3.2.3.3 | EHTP3.5: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.2.7 | 484+242 tone RU in OFDMA | 36.3.2.3.3 | CFEHT80 AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
| CFEHT AND CFAP: O |
| EHTP5.2.8 | 996+484 tone RU in OFDMA | 36.3.2.5 | CFSTAofAP AND EHTP3.4: M | Yes ☐ No ☐ N/A ☐ |
| CFAP AND EHTP3.4: O |
| EHTP5.2.9 | 996+484+242 tone RU in OFDMA | 36.3.3.1 | CFSTAofAP AND EHTP3.4: M | Yes ☐ No ☐ N/A ☐ |
| CFAP AND EHTP3.4: O |
| EHTP5.2.10 | 2x996+484 tone RU in OFDMA | 36.3.3.1.2 | CFSTAofAP AND EHTP3.5: M | Yes ☐ No ☐ N/A ☐ |
| CFAP AND EHTP3.5: O |
| EHTP5.2.11 | 3x996 tone RU in OFDMA | 36.3.3.2.1 | CFSTAofAP AND EHTP3.5: M | Yes ☐ No ☐ N/A ☐ |
| CFAP AND EHTP3.5: O |
| EHTP5.2.12 | 3x996+484 tone RU in OFDMA | 36.3.3.2.3 | CFSTAofAP AND EHTP3.5: M | Yes ☐ No ☐ N/A ☐ |
| CFAP AND EHTP3.5: O |
|  |  |  |  |  |
| EHTP5.3 | Small M-RU support in all applicable locations |  |  |  |
| EHTP5.3.1 | 26+52 tone RU in OFDMA in a 20 MHz PPDU | 36.3.2.3.2 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.3.2 | 26+52 tone RU in OFDMA in a 40 MHz PPDU | 36.3.2.3.2 | CFEHT80: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.3.3 | 26+52 tone RU in OFDMA in each 80 MHz segment | 36.3.2.3.2 | CFEHT80: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.3.4 | 26+106 tone RU in OFDMA in a 20 MHz PPDU | 36.3.2.3.2 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.3.5 | 26+106 tone RU in OFDMA in a 40 MHz PPDU | 36.3.2.3.2 | CFEHT80: M | Yes ☐ No ☐ N/A ☐ |
| EHTP5.3.6 | 26+106 tone RU in OFDMA in each 80 MHz segment | 36.3.2.3.2 | CFEHT80: M | Yes ☐ No ☐ N/A ☐ |
|  |  |  |  |  |
| **EHTP6** | **Coding** |  |  |  |
| EHTP6.1 | BCC coding | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP6.2 | LDPC coding in all supported EHT PPDU types, RU and MRU sizes and NSS | 36.1.1 | EHTP3.2: M | Yes ☐ No ☐ N/A ☐ |
| EHTP7.4: M |
| EHTP7.29: M |
| EHTP6.3 | LDPC coding with less than 4 SS | 36.1.1 | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
|  |  |  |  |  |
| **EHTP7** | **EHT MCS support** |  |  |  |
| EHTP7.1 | EHT-MCS 0-7 with NSS=1 | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP7.2 | EHT-MCS 8 with NSS=1 | 36.1.1 | CFEHT80: M | Yes ☐ No ☐ N/A ☐ |
|  | CFEHT20: O |
| EHTP7.3 | EHT-MCS 9 with NSS=1 | 36.1.1 | CFEHT80: M | Yes ☐ No ☐ N/A ☐ |
| CFEHT20 AND EHTP7.2: O |
| EHTP7.4 | EHT-MCS 10 with NSS=1 | 36.1.1 | EHTP7.3: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.5 | EHT-MCS 11 with NSS=1 | 36.1.1 | EHTP7.4: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.6 | EHT-MCS 12 with NSS=1 | 36.1.1 | EHTP7.5: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.7 | EHT-MCS 13 with NSS=1 | 36.1.1 | EHTP7.6: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.8 | EHT-MCS 0-7 with NSS=2 | 36.1.1 | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.9 | EHT-MCS 8 with NSS=2 | 36.1.1 | EHTP7.8: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.10 | EHT-MCS 9 with NSS=2 | 36.1.1 | EHTP7.9: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.11 | EHT-MCS 10 with NSS=2 | 36.1.1 | EHTP7.10: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.12 | EHT-MCS 11 with NSS=2 | 36.1.1 | EHTP7.11: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.13 | EHT-MCS 12 with NSS=2 | 36.1.1 | EHTP7.12: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.14 | EHT-MCS 13 with NSS=2 | 36.1.1 | EHTP7.13: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.15 | EHT-MCS 0-7 with NSS=3 | 36.1.1 | EHTP7.8: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.16 | EHT-MCS 8 with NSS=3 | 36.1.1 | EHTP7.15: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.17 | EHT-MCS 9 with NSS=3 | 36.1.1 | EHTP7.16: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.18 | EHT-MCS 10 with NSS=3 | 36.1.1 | EHTP7.17: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.19 | EHT-MCS 11 with NSS=3 | 36.1.1 | EHTP7.18: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.20 | EHT-MCS 12 with NSS=3 | 36.1.1 | EHTP7.19: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.21 | EHT-MCS 13 with NSS=3 | 36.1.1 | EHTP7.20: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.22 | EHT-MCS 0-7 with NSS=4 | 36.1.1 | EHTP7.15: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.23 | EHT-MCS 8 with NSS=4 | 36.1.1 | EHTP7.22: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.24 | EHT-MCS 9 with NSS=4 | 36.1.1 | EHTP7.23: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.25 | EHT-MCS 10 with NSS=4 | 36.1.1 | EHTP7.24: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.26 | EHT-MCS 11 with NSS=4 | 36.1.1 | EHTP7.25: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.27 | EHT-MCS 12 with NSS=4 | 36.1.1 | EHTP7.26: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.28 | EHT-MCS 13 with NSS=4 | 36.1.1 | EHTP7.27: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.29 | EHT-MCS 0-7 with NSS=5 | 36.1.1 | EHTP7.22: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.30 | EHT-MCS 8 with NSS=5 | 36.1.1 | EHTP7.29: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.31 | EHT-MCS 9 with NSS=5 | 36.1.1 | EHTP7.30: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.32 | EHT-MCS 10 with NSS=5 | 36.1.1 | EHTP7.31: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.33 | EHT-MCS 11 with NSS=5 | 36.1.1 | EHTP7.32: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.34 | EHT-MCS 12 with NSS=5 | 36.1.1 | EHTP7.33: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.35 | EHT-MCS 13 with NSS=5 | 36.1.1 | EHTP7.34: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.36 | EHT-MCS 0-7 with NSS=6 | 36.1.1 | EHTP7.29: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.37 | EHT-MCS 8 with NSS=6 | 36.1.1 | EHTP7.36: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.38 | EHT-MCS 9 with NSS=6 | 36.1.1 | EHTP7.37: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.39 | EHT-MCS 10 with NSS=6 | 36.1.1 | EHTP7.38: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.40 | EHT-MCS 11 with NSS=6 | 36.1.1 | EHTP7.39: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.41 | EHT-MCS 12 with NSS=6 | 36.1.1 | EHTP7.40: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.42 | EHT-MCS 13 with NSS=6 | 36.1.1 | EHTP7.41: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.43 | EHT-MCS 0-7 with NSS=7 | 36.1.1 | EHTP7.36: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.44 | EHT-MCS 8 with NSS=7 | 36.1.1 | EHTP7.43: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.45 | EHT-MCS 9 with NSS=7 | 36.1.1 | EHTP7.44: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.46 | EHT-MCS 10 with NSS=7 | 36.1.1 | EHTP7.45: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.47 | EHT-MCS 11 with NSS=7 | 36.1.1 | EHTP7.46: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.48 | EHT-MCS 12 with NSS=7 | 36.1.1 | EHTP7.47: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.49 | EHT-MCS 13 with NSS=7 | 36.1.1 | EHTP7.48: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.50 | EHT-MCS 0-7 with NSS=8 | 36.1.1 | EHTP7.43: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.51 | EHT-MCS 8 with NSS=8 | 36.1.1 | EHTP7.50: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.52 | EHT-MCS 9 with NSS=8 | 36.1.1 | EHTP7.51: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.53 | EHT-MCS 10 with NSS=8 | 36.1.1 | EHTP7.52: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.54 | EHT-MCS 11 with NSS=8 | 36.1.1 | EHTP7.53: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.55 | EHT-MCS 12 with NSS=8 | 36.1.1 | EHTP7.54: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.56 | EHT-MCS 13 with NSS=8 | 36.1.1 | EHTP7.55: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.57 | EHT-MCS 15 with NSS=1 and RU <= 242 tones | 36.1.1 | CFEHT20: M | Yes ☐ No ☐ N/A ☐ |
| EHTP7.58 | EHT-MCS 15 with NSS=1 and RU <= 996 tones | 36.1.1 | CFEHT80: M | Yes ☐ No ☐ N/A ☐ |
| EHTP7.59 | EHT-MCS 15 with NSS=1 and RU size 2x996 | 36.1.1 | EHTP3.4: M | Yes ☐ No ☐ N/A ☐ |
| EHTP7.60 | EHT-MCS 15 with NSS=1 and RU size 4x996 | 36.1.1 | EHTP3.5: M | Yes ☐ No ☐ N/A ☐ |
| EHTP7.61 | EHT-MCS 15 with NSS=1 and RU 52+26 | 36.1.1 | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.62 | EHT-MCS 15 with NSS=1 and RU 106+26 | 36.1.1 | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.63 | EHT-MCS 15 with NSS=1 and RU 484+242 | 36.1.1 | CFEHT80: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.64 | EHT-MCS 15 with NSS=1 and RU 996+484 | 36.1.1 | EHTP3.4: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.65 | EHT-MCS 15 with NSS=1 and RU 996+484+242 | 36.1.1 | EHTP3.4: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.66 | EHT-MCS 15 with NSS=1 and RU 3x996 | 36.1.1 | EHTP3.5: O | Yes ☐ No ☐ N/A ☐ |
| EHTP7.67 | EHT-MCS 14 with NSS=1 | 36.1.1 | CFEHT6G: O | Yes ☐ No ☐ N/A ☐ |
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| **EHTP8** | **Preamble** |  |  |  |
| EHTP8.1 | Reception of the EHT-SIG field in an EHT MU PPDU at MCS MCS 0, 1, 3 and 15 | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP8.2 | Transmission and reception of a non-OFDMA EHT MU PPDU with any preamble puncturing pattern needed to support mandatory MRU for non-OFDMA | 36.1.1 | CFEHT AND CFAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP8.3 | Transmission of an OFDMA EHT MU PPDU with any preamble puncturing pattern needed to support mandatory MRU for non-OFDMA | 36.1.1 | CFEHT AND CFAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP8.4 | Transmission of an OFDMA EHT MU PPDU with any preamble puncturing pattern as specified in subclause 36.3.11.11 but excluding any pattern needed to support mandatory MRU for non-OFDMA | 36.1.1 | CFEHT AND CFAP: O | Yes ☐ No ☐ N/A ☐ |
| EHTP8.5 | Transmission and reception of a non-OFDMA EHT MU PPDU with any preamble puncturing pattern needed to support mandatory MRU for non-OFDMA | 36.1.1 | CFEHT AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP8.6 | Reception of an OFDMA EHT MU PPDU with any preamble puncturing pattern | 36.1.1 | CFEHT AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
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| **EHTP9** | **Sounding** |  |  |  |
| EHTP9.1 | Punctured Sounding operation | TBD | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP9.2 | Responding with requested beamforming feedback in an EHT sounding procedure with the maximum number of space-time streams in the EHT sounding NDP that the non-AP EHT STA can respond to equal to at least 4 | TBD | CFEHT AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
| EHTP9.3 | EHT Sounding PPDU with 2x EHT-LTD and 0.8 usec GI | 36.3.17 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP9.4 | EHT Sounding PPDU with 2x EHT-LTD and 1.6 usec GI | 36.3.17 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP9.5 | EHT Sounding PPDU with 4x EHT-LTD and 3.2 usec GI | 36.3.17 | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP9.6 | Ng=4 SU feedback | 9.4.1.67a | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP9.7 | Ng=4 MU feedback | 9.4.1.67a | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP9.8 | Ng=16 SU feedback | 9.4.1.67a | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP9.9 | Ng=16 MU feedback | 9.4.1.67a | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP9.10 | Codebook size = {6,4} SU feedback | 9.4.1.67a | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP9.11 | Codebook size = {4, 2} SU feedback | 9.4.1.67a | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP9.12 | Codebook size = {9, 7} MU feedback | 9.4.1.67a | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP9.13 | Codebook size = {7, 5} MU feedback | 9.4.1.67a | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP9.14 | Triggered SU Beamforming feedback |  | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP9.15 | Triggered CQI feedback |  | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP9.16 | Reception of full bandwidth non-triggered CQI feedback |  | CFEHT AND CFAP: O | Yes ☐ No ☐ N/A ☐ |
| EHTP9.17 | Transmission of full bandwidth non-triggered CQI feedback |  | CFEHT AND CFSTAofAP: O | Yes ☐ No ☐ N/A ☐ |
| EHTP9.18 | Receiving and NDP with BW of 40, 80 or 160 MHz |  | CFEHT20: O | Yes ☐ No ☐ N/A ☐ |
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| **EHTP10** | **Transmit Beamforming** |  |  |  |
| EHTP10.1 | SU beamformer capable if the supported maximum number of transmit spatial streams is less than 4 | 36.1.1 | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP10.2 | SU beamformer capable if the supported maximum number of transmit spatial streams is greater than or equal to 4 | 36.1.1 | CFEHT: M | Yes ☐ No ☐ N/A ☐ |
| EHTP10.3 | SU beamformee capable | 36.1.1 | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
| EHTP10.4 | MU beamformer capable if the supported maximum number of transmit spatial streams is less than 4 | 36.1.1 | CFAP AND EHTP10.1: O | Yes ☐ No ☐ N/A ☐ |
| EHTP10.5 | MU beamformer capable if the supported maximum number of transmit spatial streams is greater than or equal to 4 | 36.1.1 | CFAP AND EHTP10.2: M | Yes ☐ No ☐ N/A ☐ |
| EHTP10.6 | MU beamformee capable | 36.1.1 | CFEHT AND CFSTAofAP: M | Yes ☐ No ☐ N/A ☐ |
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| **EHTP11** | **Spatial Reuse** |  |  |  |
| EHTP11.1 | PSR-based SR support | TBD | CFEHT AND CFSTAofAP: O | Yes ☐ No ☐ N/A ☐ |
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| EHTP12 | Power Boost Factor | TBD | CFEHT: O | Yes ☐ No ☐ N/A ☐ |
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