IEEE P802.11
Wireless LANs

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| Proposed Draft Text: EHT PPE Thresholds field |
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Abstract

This submission provides the proposed draft text for **9.4.2.295c.5 EHT PPE Thresholds field** in 9.4.2.295c EHT Capabilities element. The revised contents in this draft indicate the changes compared with the text in D0.4. The following changes are made in this submission:

1. Add the description of non-zero RU Index Bitmask subfield (The bits in RU Index Bitmask cannot be all zeros)

**Version history:**

Rev 0: Initial PDT

Rev 1: Typo

9.4.2.295c.5 EHT PPE Thresholds field

Revision in the Paragraph starting from L62, Page 127 in D0.4:

The RU Index Bitmask subfield contains a bitmask that indicates whether the PPE Thresholds Info field contains PPETx and PPET8 subfields for the five possible RU allocation indexes indicated in Figure 9-322ar (RU allocation index). The PPETx and PPET8 subfields for RU allocation index *k* are present in the PPE Thresholds Info field only if bit *k* of the RU Index Bitmask subfield (bit 4 + *k* of the EHT PPE Thresholds field) is 1. For example, if B0 of the RU Index Bitmask subfield (B4 of the EHT PPE Thresholds field) is 1, the PPETx and PPET8 subfields are present in the PPE Thresholds Info field for the RU allocation size corresponding to RU allocation index 0 (242-tone RU). If B0 of the RU Index Bitmask subfield is 0, the PPETx and PPET8 subfields are not present in the PPE Thresholds Info field for the RU allocation size corresponding to RU allocation index 0. The RU Index Bitmask subfield shall contain at least one bit equal to 1. To indicate nominal packet padding values of 0 μs for all modes, the PPE Thresholds Present subfield and the Common Nominal Packet Padding subfield shall be set to 0 in the EHT Capabilities element (See 35.11 (Nominal packet padding values selection rules) for details). If there exists one or more 0s after the first 1 in the bitmask sequence in the RU Index Bitmask subfield, the PPETx and PPET8 subfields for each RU allocation index corresponding to these 0s are not present, but the PPETx and PPET8 values are present, and the values shall be the same as the PPETx and PPET8 values for the closest smaller RU allocation index with the bitmask value equal to 1 in the RU Index Bitmask subfield.