IEEE P802.11
Wireless LANs

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| PDT-EHT-PPDU-Format-Draft |
| Date: 2020-08-27 |
| Author(s): |
| Name | Company | Address | Phone | email |
| Dongguk Lim | LGE |  |  | Dongguk.lim@lge.com |
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Abstract

This document contains proposed draft text for EHT-PPDU-Format.

R0: initial

###  EHT PPDU Format

EHT MU PPDU and EHT TB PPDU are defined.

The format of the EHT MU PPDU is defined as in Figure 34-x1 (EHT MU PPDU format). This format is used for transmission to one or more users if the PPDU is not a response of a trigger frame. In the EHT MU PPDU, the EHT-SIG field is present.

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| Figure 34-x1 EHT MU PPDU Format |

The format of the EHT TB PPDU is defined as in Figure 34-x2 (EHT TB PPDU format). This format is used for a transmission that is a response to a triggering frame from an AP.

In the EHT TB PPDU, the EHT-SIG field is not present and the duration of the EHT-STF field is twice the duration of the EHT-STF field in the EHT MU PPDU.



Figure 34-x2 EHT TB PPDU Format

The fields of the EHT PPDU formats are summarized in Table 34-x1 (EHT PPDU fields).

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| Table 34-x1 EHT PPDU fields  |
| Field | Description |
| L-STF | Non-HT Short Training field |
| L-LTF | Non-HT Long Training field |
| L-SIG | Non-HT SIGNAL field |
| RL-SIG | Repeated Non-HT SIGNAL field |
| U-SIG | Universal SIGNAL field |
| EHT-SIG | EHT SIGNAL field |
| EHT-STF | EHT Short Training field |
| EHT-LTF | EHT Long Training field |
| Data | The Data field carrying the PSDU(s) |
| PE | Packet extension field |

The PE field is defined in TBD.

The L-STF, L-LTF, L-SIG, RL-SIG, U-SIG, and EHT-SIG fields are referred to as pre-EHT modulated fields, while the EHT-STF, EHT-LTF and Data fields are referred to as the EHT modulated fields.