IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Spec text for 33.2 NGV PPDU Format | | | | |
| Date: 2019-11-11 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Dongguk Lim | LG Electronics | LG R&D Campus, Seoul, Korea |  | Dongguk.lim@lge.com |
| Eunsung Park | LG Electronics | LG R&D Campus, Seoul, Korea |  |  |
| Insun Jang | LG Electronics | LG R&D Campus, Seoul, Korea |  |  |
| Jinsoo Choi | LG Electronics | LG R&D Campus, Seoul, Korea |  |  |

Abstract

This submission contains spec text for section 33.2 NGV PPDU format to be incorporated in P802.11bd D0.1 based on the motions in 11-19/0514r10 frd-sfd motion block.

Revision History:

* Rev 0: Initial version of the document

# 33.2 NGV PPDU format

A single PPDU format is defined for this PHY: the NGV PPDU format. The format of NGV PPDU is defiend as Figure 33-x1 (NGV PPDU format).



Figure 33-x1 NGV-PPDU Format

The fields of the NGV PPDU format are summarized in Table 33-x1(Fields of the NGV PPDU).

|  |  |
| --- | --- |
| Tabel 33- x1 Fields of the NGV PPDU | |
| **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 |
| NGV-SIG | NGV Signal field |
| RNGV-SIG | Repeated NGV Signal field |
| NGV-STF | NGV Short Training field |
| NGV-LTF | NGV Long Training field |
| Data | The Data field carrying the PSDU(s) |

The RL-SIG, NGV-SIG, RNGV-SIG, NGV-STF and NGV-LTF fields are present only in NGV PPDU formats. The RNGV-SIG field is equal to NGV-SIG field. In Non-NGV packets only the L-STF, L-LTF, L-SIG and Data fields are present. The number of symbols in the NGV-LTF field, *NNGV-LTF*, can be either 1 or 2 and is determined by the total number of space-time streams being transmitted in the NGV PPDU (see Table 33-x3 (Number of NGV-LTFs required for different numbers of space-time streams)).

**References:**

[1] 11-19/0514r10 frd-sfd motion block