IEEE P802.11
Wireless LANs

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| Resolutions to 32.3.12 NGV transmit procedure |
| Date: 2020-12-01 |
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Abstract

This submission shows

* Resolutions for comments from TGbd draft 1.0
* 3 CIDs: 1836, 1598 and 1837

Revisions:

* Rev 0: Initial version of the document.

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| --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 1836 | 83.60 | improve the text | "NON\_NGV\_10" should be "NON\_NGV\_10 PPDU) | Accepted.  |

***Discussion***

Its intention is to indicate PPDU transmission as below.

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***To TGbd Editor:*** ***P83L50*** *update the description as below.*

***------------- Begin Text Changes ---------------***

There are two paths for the transmit PHY procedure.

* The first path, for which typical transmit procedures are shown in Figure 32-13 (PHY transmit procedure for NGV transmission), is selected if the FORMAT parameter of the PHYTXSTART.request(TXVECTOR) primitive is NGV. These transmit procedures do not describe the operation of optional features, such as SU MIMO.
* The second path is selected if the FORMAT parameter of the PHY-TXSTART.request(TXVECTOR) primitive is NON\_NGV\_10. Transmit parameter N\_REP is set via the PHY service interface using the PHY-TXSTART.request(TXVECTOR) primitive, as described in Table 32-1 (TXVECTOR and RXVECTOR parameters) to indicate the number of repetitions of NON\_NGV\_10 PPDU transmission.

***------------- End Text Changes ------------------***

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| --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 1598 | 84.49 | Where is TIME\_OF\_DEPARTURE\_REQUESTED defined? | Please clarify and fix as needed. | RevisedTGbd Editor: make changes according to this document 11-20-1949-00-00bd Resolutions to 32.3.12 NGV transmit procedure. |
| 1837 | 84.39 | comma is missed between NGV-MCS and Coding types | "NGV-MCS Coding types" should be "NGV-MCS Coding types, NGV-MCS Coding types" | RevisedTGbd Editor: make changes according to this document 11-20-1949-00-00bd Resolutions to 32.3.12 NGV transmit procedure. |

***Discussion***

In draft 11bd 1.0, TIME\_OF\_DEPARTURE\_REQUESTED is shown in Table 32-4 (TXSTATUS parameters).



In 11ac, TIME\_OF\_DEPARTURE\_REQUESTED is defined in TXVECTOR and RXVECTOR parameters as below.

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***To TGbd Editor:*** ***P60L16*** *update the description as below.*

***------------- Begin Text Changes ---------------***

In both paths, in order to transmit data, the MAC generates a PHY-TXSTART.request primitive, which causes the PHY entity to enter the transmit state. Further, the PHY is set to operate at the appropriate frequency through station management via PLME, as specified in Clause 32.4 (NGV PLME). Other transmit parameters, such as NGV-MCS, Coding types, and transmit power, are set via the PHY SAP using the PHYTXSTART.request(TXVECTOR) primitive, as described in Table 32-1 (TXVECTOR and RXVECTOR parameters). The remainder of the clause applies to the first path.

Transmission of the PPDU shall be initiated by the PHY after receiving the PHYTXSTART.request(TXVECTOR) primitive. The TXVECTOR elements for the PHY-TXSTART.request primitive are specified in Table 32-1 (TXVECTOR and RXVECTOR parameters).

Transmission of the PHY preamble may start if TIME\_OF\_DEPARTURE\_REQUESTED is false, and shall start immediately if TIME\_OF\_DEPARTURE\_REQUESTED is true, based on the parameters passed in the PHY-TXSTART.request primitive.

***------------- End Text Changes ------------------***

***To TGbd Editor:*** ***P47L01*** *update the description as below.*

***------------- Begin Text Changes ---------------***

**Table 32-1—TXVECTOR and RXVECTOR parameters**

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| --- | --- | --- | --- | --- |
| **Parameter** | **Condition** | **Value** | **TXVECTOR** | **RXVECTOR** |
| TIME\_OF\_DEPARTURE\_REQUESTED | See corresponding entry in Table 19-1 (TXVECTOR and RXVECTOR parameters) |
| Note: In the “TXVECTOR” and “RXVECTOR” columns, the following apply: Y = ‘Present’;N = ‘Not present’;O = ‘Optional’; |

 ***------------- End Text Changes ------------------***