IEEE P802.11
Wireless LANs

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| 11be Spec text for TXOP with preamble puncturning |
| Date: 2020-08-20 |
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Abstract

We propose the draft specification skeleton for TXOP with preamble puncturing to help the creation of TGbe draft D0.1.

Revisions:

* Rev 0: Initial version of the document.

The texts is prepared for the following motions.

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| MAC | TXOP: Preamble Puncturing | Yanjun Sun | Kaiying Lu, Das, Dibakar, Jarkko Kneckt, Yunbo Li, Jeongki Kim, Akhmetov Dmitry, Liuming Lu, Greg Geonjung Ko, John Yi, Yonggang Fang | Basics (R1) | Motion 111, #SP0611-26 |

802.11be supports transmitting the MU-RTS/RTS and CTS frames in a non-HT duplicate PPDU on 20 MHz subchannels which are not punctured.

[Motion 111, #SP0611-27, [13] and [87]]

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGbe 0.1 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbe D0.1 Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGbe Editor: Editing instructions preceded by “TGbe Editor” are instructions to the TGbe editor to modify existing material in the TGbe draft. As a result of adopting the changes, the TGbe editor will execute the instructions rather than copy them to the TGbe Draft.***

**Discussion:** *None.*

**Proposed spec text:**

***TGbe editor: Add new a subclause 33.x.x (Preamble Puncturing) under clause 33 as follows:***

33. Extreme High Throughput (EHT) MAC specification

**33.x TXOP**

**33.x.x Preamble Puncturing**

1. **General**
2. **EHT\_INACTIVE\_SUBCHANNELS**

When an EHT STA transmits a RTS, MU-RTS Trigger, or CTS frame in a non-HT duplicate PPDU, the transmission shall avoid any 20 MHz subchannel that is punctured.

The indication of which subchannels are punctured in an RTS, MU-RTS Trigger, or CTS frame that is carried in a non-HT duplicate PPDU is conveyed from the MAC to the PHY through the TXVECTOR parameter EHT\_INACTIVE\_SUBCHANNELS. The parameter EHT\_INACTIVE\_SUBCHANNELS may be present in the TXVECTOR of a non-HT duplicate PPDU that carries an RTS, MU-RTS Trigger, or CTS frame. (Motion 111, #SP0611-27)

NOTE—The format of EHT\_INACTIVE\_SUBCHANNELS and how it is indicated to EHT STAs is TBD.

**Straw Poll: Do you support to incorporate the proposed draft text in this document 11-20/1408r0 to the TGbe Draft 0.1?**

**Result: Yes/No/Abstain**