IEEE P802.11
Wireless LANs

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| PDT PHY Misc. COBF  |
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Abstract

This document contains Proposed Draft Text (PDT) for misc. CoBF topics in support of the proposed TGbn (UHR, Ultra High Reliability) amendment to the 802.11 standard.

# Revision information

The following is a summary of the important changes that occurred within each revision of this document:

|  |  |
| --- | --- |
| **Revision** | **Major changes** |
| 0 | Initial revision |

# Introduction

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 TGbn Draft. The abstract, revision information, introduction, explanation of the proposed changes, and references sections are not part of the adopted material.

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

## Explanation of the proposed changes:

The proposed changes to the 802.11 TGbn draft within this document are based on the following motions adopted by the TGbn task group.

### Relevant passing PHY motions in doc 25/0014 [1]:

[Motion #422, [1]]

**Move to add to the TGbn SFD the following:**

* In the TB PPDU carrying OBSS AP sounding feedback do you support limiting Nss to 1
* In TB PPDU carrying cross BSS (including joint) sounding feedback for COBF the T\_PE is fixed as 20uS (nominal\_packet\_padding=20uS and aFactor=4) and LDPC extra symbol set as 1
	+ AP will set the UL length field and other parameters in the BFRP trigger frame according to this rule

[Motion #423, [1]]

**Move to add to the TGbn SFD the following:**

•In COBF, cross-BSS/joint sounding feedback max Nc is limited to 2

# Text to be adopted begins here:

***TGbn editor: Please add in section 38.3.17 page 312 line 17:***

In the EHT TB PPDU carrying the sounding feedback for Co-BF in a cross-BSS UHR Co-BF sounding sequence or a UHR Co-BF joint NDP sounding sequence, the nominal packet padding value shall be equal to 20 uS, the pre-FEC padding factor ***α*** shall be equal to 4 and LDPC extra symbol segment shall be set as 1.

AP will set the UL length field and other parameters in the BFRP trigger frame according to this rule.

***TGbn editor: Please add at the bottom of section 38.3.21.2:***

In the EHT TB PPDU carrying the sounding feedback for Co-BF in a cross-BSS UHR Co-BF sounding sequence or a UHR Co-BF joint NDP sounding sequence, Nss shall be limited to 1, the max Nc shall be limited to 2, codebook size shall be limited to (9,7) and Ng shall be limited to the value of 4.