IEEE P802.11
Wireless LANs

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| CR Document for CIDs related to NDP format |
| Date: 2022-11-09 |
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Abstract

This submission proposes resolutions of comments received from TGbf comment collection 40 (TGbf Draft 0.1).

* CIDs: 307 and 480 (2 CIDs)

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Changed rejected to revised.
* Rev 2: Minor typos correction.
* Rev 3: Editorial changes

### 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 TGbf Draft. The introduction and the explanation of the proposed changes are not part of the adopted material.

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

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

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| **CID** | **Commenter** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 307 | Rojan Chitrakar | 11.21.18 | 64 | 32 | While it is not explicitly mentioned, implicitly the draft seems to assume that only HE and higher PHY versions can be supported by 11bf.Since 11bf only makes MAC changes for sub-7GHz, adding support for pre-HE PHYs (e.g., HT/VHT) would greatly increase 11bf's appeal to the market. Refer to 21/1047r1 and 21/1754r2 for related discussions. | Add support to enable pre-HE PHYs (e.g., HT/VHT) to participate in 11bf WLAN Sensing. | ***Rejected.***It has already been proposed in 22/1937r0 that only HE TB Ranging NDP for BW <=160MHz and EHT sounding NDP when BW=320MHZ is to be used for WLAN Sensing.**TGbf Editor to make no changes to the draft text.** |
| 480 | Rajat Pushkarna | 11.21.18.6.3 | 70 | 4 | Different PPDU types must be supported by 11bf devices based on the PHY of transmitters and receviers. NDPA may define a field to indicate the type of NDP being used for sensing. | NDP format must be discussed and it can be of different PPDU type based on the devices PHY support. An NDP support field must be added in the NDPA to indicate the same | ***Rejected.***It has already been proposed in 22/1937r0 that only HE TB Ranging NDP for BW <=160MHz and EHT sounding NDP when BW=320MHZ is to be used for WLAN Sensing.**TGbf Editor to make no changes to the draft text.** |

**SP:** Do you agree to incorporate the changes provided in IEEE 11-22/1980r4 for CID 307 and 480 to the next revision of 802.11bf draft?

**References:**

[1] P802.11bf D0.4