IEEE P802.11
Wireless LANs

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| PDT MAC NPCA |
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Abstract

This document contains Proposed Draft Text (PDT) for the Non Primary Channel Access (NPCA) feature 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:

|  |  |
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| **Revision** | **Major changes** |
| 0 | Initial revision |
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# 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 TGbe 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 TGbe 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 motions:

* [Motion #11, [1]]
* TGbn defines a mode of operation that enables a STA to access the secondary channel while the primary channel is known to be busy due to OBSS traffic or other TBD conditions.
	+ The mode of operation shall not assume that the STA is capable to detect or decode a frame and obtain NAV information of the secondary channel concurrently with the primary channel.
	+ A BSS shall only have a single NPCA primary channel (name TBD) on which the STA contends while the primary channel of the BSS is known to be busy due to OBSS traffic or other TBD conditions.

# Text to be adopted begins here:

***TGbn editor: Please add the following new subclause 37.x Non-primary channel access (NPCA) to the 802.11bn draft D0.1:***

37.x Non-primary channel access (NPCA)

A STA that supports NPCA operation is called an NPCA STA.

There is one NPCA primary channel within a BSS. The NPCA primary channel is identified as TBD.

When a STA is operating in the NPCA mode, the STA may switch from performing EDCA on the BSS primary channel to performing EDCA on the NPCA primary channel if the BSS primary channel is busy as determined by either of the following two conditions:

1. The STA has received a PPDU on the BSS primary channel and the received PPDU is classified by the STA as an inter-BSS PPDU following the procedure defined in (26.2.2 Intra-BSS and inter-BSS PPDU classification)
2. TBD

# Text to be adopted ends here.

**References:**

1. [11-24-0171r15](https://mentor.ieee.org/802.11/dcn/24/11-24-0171-15-00bn-tgbn-motions-list-part-1.pptx): 11-24-0171-15-00bn-tgbn-motions-list-part-1, Alfred Asterjadhi (Qualcomm Inc.)