IEEE P802.11  
 Wireless LANs

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| **Proposed TGbd draft specification** |
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Abstract

This document contains a proposal for the TGbd draft amendment. It captures the feature requirements outlined in the TGbd specification framework document (11-19/0497) in detailed draft text.

# Preface

## Revision history

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| --- | --- | --- |
| **Revision** | **Date** | **Changes** |
| 0 | September 15, 2019 | Initial draft |
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## Notation

Editing instructions are shown in bold italic.

Editor’s notes in ***red*** ***bold*** ***italics*** are provided to aid in drafting the document. For example, missing text or indicating the placement of future text.

## Baseline document

This document is written as an amendment to the Draft P802.11-REVmd™/D2.2 revision of the 802.11 specification as amendend by IEEE P802.11ax™/D4.1, IEEE P802.11ay™/D3.1, IEEE P802.11az™/D1.0, and IEEE P802.11ba™/D3.1.

# Normative references

# Definitions, acronyms, and abbreviations

## Definitions

## Definitions specific to IEEE Std 802.11

## Definitions specific to IEEE 802.11 operation in some regulatory domains

## Abbreviations and acronyms

Insert the following acronym definitions:

NGV Next Generation V2X

## Abbreviations and acronyms in some regulatory domains

# General description

# MAC service definition

# Layer management

# DS SAP specification

# PHY service specification

# Frame formats

# MAC sublayer functional description

# MLME

# Next Generation V2X (NGV) MAC specification

## Introduction

## Operation in 5.9 GHz band

## Operation in 60 GHz band

# Next Generation V2X (NGV) PHY specification

## Intorduction

## NGV PPDU format

## Transmitter block diagram

## Overview of the PPDU encoding process

## NGV modulatin and coding schemes

## Timing related parameters

## Mathematical description of signals

## NGV Preamble

## Data field

## Transmit specification

## Receiver specification

## NGV transmit procedure

## NGV receive proceduee

## Regulatory requirements