IEEE P802.11  
Wireless LANs

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| 802.11  IEEE P802.11bd/D3.0 Mandatory Draft Review (MDR) Report | | | | |
| Date: 2022-01-16 | | | | |
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**Abstract**

This document contains the report of the TGbd Mandatory Draft Review.

r0: section headings, initial assignements.

R01: Peter Ecclesine MDR comments

# Introduction

## Purpose of this document

This document is the report from the group of volunteers that participated in the P802.11ba/D3.0 mandatory draft review.

This document contains recommendations for changes to the P802.11az draft to bring it into improved compliance to IEEE-SA and WG11 style.

The recommended changes need to be reviewed by TGaz and approved, or ownership of the issues taken by TGaz.

## Process / references

The MDR process is described in:

* 11-11/615r6 – WG802.11 MEC Process

And references:

* 11-09/1034r19 – 802.11 Editorial Style Guide

A setup meeting was held, and review topics identified and assigned to volunteers. The volunteers provided their review comments, which have been compiled into this document, with some editorial changes.

## Acknowledgements

The 802.11 technical editors (Robert Stacey and Peter Ecclesine) gratefully acknowledge the work and contribution of:

* Yujin Noh
* Emily Qi
* Joseph Levy
* Yongho Seok
* Edward Au
* Carol Ansley

# Findings

## Style

### Style Gude 2.1 – Frames

Emily Qi

### Style Guide 2.2 – Naming Frames

Emily Qi

### Style Guide 2.2 – true/false

Carol Ansley

### Style Guide 2.3 – “is set to”

Carol Ansley

### Information Elements/Subelements

Edward Au

#### Style Guide 2.4.1 – Information Elements/subelements – Naming

#### Style Guide 2.4.2 – Definition Conventions

#### Style Guide 2.4.3 – Element Inclusion Conventions

### Style Guide 2.5 – Removal of functions and features

Edward Au

### Style Guide 2.6 – Capitalization

Edward Au

### Style Guide 2.7 – Terminology: frame vs packet vs PPDU vs MPDU

Edward Au

### Style Guide 2.8 – Use of verbs & problematic words

Joseph Levy

#### normative, non-normative, ensure

#### which/that

#### articles

#### missing nouns

#### unnecessary nouns

#### unicast and multicast

### Style Guide 2.9 – Numbers

Edward Au

### Style Guide 2.10 – Maths operators and relations

Edward Au

### Style Guide 2.11 – Hyphenation

Edward Au

### Style Guide 2.12 – References to SAP primitives

Peter Ecclesine

No issues noted.

### Style Guide 2.13 – References to the contents of a field/subfield

Emily Qi

### Style Guide 2.14 – References to MIB variables/attributes

Joseph Levy

### Style Guide 2.15 – Hanging Paragraphs

Emily Qi

### Style Guide 2.16 – Abbreviations

Edward Au

### Style Guide 2.17 – Format for code/pseudocode

Not applicable

### Style guide 3 – Style applicable to specific Clauses

#### Definitions (Clause 3)

Peter Ecclesine

No issues noted.

#### General Description (Clause 4)

Peter Ecclesine

P19 L19 because 11me D1.0 renumbered, the editor instruction to insert the following subclause after 4.3.17 (STA transmission of Data frames outside the context of a BSS (OCB)) will be renumbered. The editor instruction could say “Insert the following subclause immediately after” . . .

#### Frame formats (Clause 9) – shall or may?

Emily Qi

#### SAP interfaces (Clause 6)

Edward Au

#### New top level clauses (Clauses 31, 32)

Peter Ecclesine

P64 L06 delete two empty lines 06, 07, and delete L08 (the period).

P72 L37-38 NGV-MCS, FORMAT is NGV, Integer in the range: should have periods after PPDU.

P73 L33 NGV-LTF Definition(#2029) the definition number #2029 is not highlighted. The amendment has a mixture of highlighted and unhighlighted comment numbers and eventually will be removed before publication (11ax and 11ay) or published as black (11ba-2021 page 89 (#4663), page 93 (#2390). I recommend removal of WG comment numbers from the draft before SA ballot begins.

P77 L05 Figures 32-1, 32-2 and 32-3. The second sentence of 32.2.5.1 General asserts these figures are normative – “The MAC interfaces to the PHYs via … are shown in Figure …”.

IEEE Std 802.11-2020 has similar VHT Figures 21-1, 21-2 and 21-3, while clauses 17 OFDM and 19 HT do not.

Our editors practice says do not reference clause numbers in Figures, it is very hard to maintain. Take a decision on these three NGV clause 32 figures.

P114 L01 32.3.11.3 Nonadjacent channel rejection paragraph text has incorrect spacing.

P141 L14 the editor instructions (P14 L38) do not include ‘Add” change, delete, insert, and replace. Revise.

#### Annex A – Bibliography

Not applicable. There are neither normative nor informative references.

#### Annex B – PICS

Edward Au

#### Annex G – Frame exchange sequences

## ANA

Check for correct use of numbers against database.

Check names against database (update database if names have changed).

Robert Stacey

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Additional Actions:

## MIB

Conformance to 09/533r1 and 15/355r13 – Joseph Levy

### Detailed proposed changes

# Collateral findings

# IEEE-SA MEC

At the time of writing this report, the IEEE-SA mandatory editorial coordination (MEC) is ongoing. When complete, the findings will be added to this report.

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