IEEE P802.11  
Wireless LANs

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| 802.11  IEEE P802.11REVme/D3.0 Mandatory Draft Review (MDR) Report | | | | |
| Date: 2023-04-27 | | | | |
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**Abstract**

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

r0: section headings.

R1: volunteer names added

R2: ANA check

# Introduction

## Purpose of this document

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

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

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

## Process / references

The MDR process is described in:

* [11-11/615r6](https://mentor.ieee.org/802.11/dcn/11/11-11-0615-06-0000-wg802-11-mec-process.doc) – WG802.11 MEC Process

And references:

* [11-09/1034r20](https://mentor.ieee.org/802.11/dcn/09/11-09-1034-20-0000-802-11-editorial-style-guide.docx) – 802.11 Editorial Style Guide

A setup meeting will be held with and review topics assigned to volunteers. The review comments from the volunteers will be compiled into this document.

## Acknowledgements

The 802.11 technical editor (Robert Stacey) gratefully acknowledges the work and contribution of:

* Claudio de Silva
* Carol Ansley
* Emily Qi
* Edward Au
* Joseph Levy
* Roy Want
* Brian Hart
* Yongho Seok

# Findings

## Style

### Style Gude 2.1 – Frames

Claudio

### Style Guide 2.1.1 – Frame Format Figures

Claudio

### Style Guide 2.1.2 – Naming Frames

Claudio

### Style Guide 2.2 – true/false

Carol

### Style Guide 2.3 – “is set to”

Joseph

Update list he has already generated.

Bring to TGme as soon as possible to see if they are willing to accept changes.

### Style Guide 2.4 – Information Elements/Subelements

Emily (Edward’s suggestion)

#### 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

### Style Guide 2.6 – Capitalization

Edward

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

Edward

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

[Volunteer name]

#### normative, non-normative, ensure

#### Carol

(Mark Rison has done a substantial amount of review on this topic)

**May**

**"Will” should not be used**

**“Must”**

**“May not” should not be used.**

**“Only”** used as a constraint

#### Style Guide 2.8.1 – which/that

Joseph

Carol

(decide between yourself who does which section)

#### Style Guide 2.8.2 – articles

Check with Mark Rison

#### Style Guide 2.8.3 – missing nouns

Check with Mark Rison

#### Style Guide 2.8.4 – unnecessary nouns

Check with Mark Rison

#### Style Guide 2.8.5 – unicast and multicast

#### Roy

### Style Guide 2.9 – Numbers

Brian Hart (will review what he can) – focus on LSB/MSB

Edward will do the rest

### Style Guide 2.10 – Maths operators and relations

Edward

### Style Guide 2.11 – Hyphenation

Edward

### Style Guide 2.12 – References to SAP primitives

No volunteer

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

Discuss with Emily and see what to do about this.

### Style Guide 2.14 –MIB attributes

Mark Hamilton

### Style Guide 2.15 – Hanging Paragraphs

No volunteer

### Style Guide 2.16 – Abbreviations

Emily (Edward’s suggestion)

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

No volunteer

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

#### Definitions (Clause 3)

Carol

#### General Description (Clause 4)

No volunteer

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

Emily

#### SAP interfaces (Clause 6)

No volunteer

#### New top level clauses

No volunteer

#### Annex A – Bibliography

No volunteer

#### Annex B – PICS

Edward

#### Annex G – Frame exchange sequences

No volunteer – Robert to fix style guide

## 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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| **Resource** | **Reference** | **Notes** |
| AKM suite selectors | 9.4.2.23.3 | OK |
| Authentication algorithm numbers | 9.4.1.1 | Value 1 should be released. Draft is OK. |
| Behavior limits | E.1 | No longer applicable. |
| Capabilities | 9.4.1.4 | Values 2, 3, 4, 6, 14, 15 should be released. Draft is OK. |
| Categories | 9.4.1.11 | Value 33 allocated but not used in draft. Was a TGay allocation. |
| Cypher suites | 9.4.2.23.2 | OK |
| Protocol Version | 9.2.4.1.2 | OK |
| Frame types | 9.2.4.1.3 | OK |
| Control subtypes | 9.2.4.1.3 | Value 15 should be released. Draft is OK. |
| Data subtypes | 9.2.4.1.3 | Values 14 and 15 should be released. Draft is OK. |
| Management subtypes | 9.2.4.1.3 | OK |
| Extended subtypes | 9.2.4.1.3 | OK |
| Extended Control values | 9.2.4.1.3 | Rename value 7 to “Grant Ack”. Rename value 0 to “Sector Ack”. Rename value 1 to “Block Ack Schdule”. Allocate value 11 as “TDD Beamforming”. |
| Element IDs | 9.4.2.1 | Values 17-31 should be released. Value 77 should be released. Draft OK. |
| Element ID Extension 1 | 9.4.2.1 | Value 0 should be released. Draft OK. |
| RSNXE | 9.4.2.240 | OK |
| RSNE | 9.4.2.23.4 | OK |
| Extended Capabilities | 9.4.2.25 | Value 76 is reserved in draft but allocated (TGaq) in database. Otherwise OK. |
| FT sublement IDs | Table 9-219 | Rename value 1 to “PMK-R1”. Remame value 3 to “PMK-R0”. Allocate: 5 = OCI, 6 = BIGTK, 7 = WIGTK. |
| FILS Discovery Frame Control subfield | Figure 9-1127 | OK |
| ANQP Info ID | Table 9-412 | 280 was released but shown in draft as Network Authentication Type with Timestamp. 283, 284, 285 conflict with TGbc. 286 without allocation. |
| Public Action frames | 9.6.7.1 | Values 35-38 rename: DCT -> DCS. Otherwise OK. |
| Reason codes | 9.4.1.7 | Value 69 is TIME\_SYNC\_LOST in draft, but reserved in database (previous TGak allocation). Value 70 in database is TIME\_SYNC\_LOST. Otherwise OK. |
| Status codes | 9.4.1.9 | Value 48 should be released. Some names missing in database. Otherwise OK. |
| PV1 frame types | 9.8.3.1 | OK |
| PV1 Control frame subtypes | 9.8.4.1 | OK |
| PV1 Management frame subtypes | 9.8.5.1 | OK |
| Subelement neighbor report | 9.4.2.35 | OK |
| Spectrum management action frames | 9.6.2.1 | OK. Should be released from ANA control. |
| TLV encodings |  | Release 4, 5, and 6. (no reference in draft) |
| WNM notification type | 9.6.13.29 | OK |
| USA operating classes | Table E-1 | OK |
| Europe operating classes | Table E-2 | OK |
| Japan operating classes | Table E-3 | Release 2-7, 9-10, 12-16, 18-19, 21-24, 27-28, 35, 38, 40, 43, 45, 47-50, 52-55. Draft OK. |
| Global operating classes | Table E-4 | Release 61-63. Allocate 77. Release 112-114. |
| Dot11smt | C | OK |
| Dot11phy | C | OK |
| Dot11StationConfig | C | 189 dot11UnsolicitedBAActivated used without allocation. |
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Additional Actions:

## MIB

Yongho Soek

The compiled MIB is embedded as the following.

[Embed MIB after compilation]

### Detailed proposed changes

* MIB Detail

# Collateral findings

# IEEE-SA MEC

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