IEEE P802.11
Wireless LANs

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| Resolution for “Obsolete?” DMG OFDM |
| Date: 2017-08 |
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Abstract

This submission proposes resolutions for CID 64

Green indicates material agreed to in the group,

yellow material to be discussed, red material rejected by the group and

cyan material not to be overlooked.

The “Final” view should be selected in Word.

R1 – corrected reference to Figure 20-21 and added new Figure diagram.

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| --- | --- | --- | --- | --- | --- | --- |
| CID | Commenter | Clause  | Page  | Line | Comment | Proposed |
| 64 | Graham Smith | 20.5.1 | 2627 | 7 | Time to remove DMG OFDM? | Remove |

CID 64 DMG OFDM

*Transmission and reception of DMG OFDM mode PPDUs is optional. The use of the DMG OFDM mode is obsolete. Consequently, this option may be removed in a later revision of the standard.*

Seems clear to me. Delete 20.5 etc.

139 instances but about 30+ are in the Index.

Discussed 8/9 by 11ay

**11ay meeting on August 9, 2017**

Carlos: Provided the obsolete text. Mode not used and could be removed. Concern with resolution global text. No general issue to remove but needs careful work

Lei: Agree with Carlos. Spatial features related to OFDM need to be removed correctly. Timing features need to be arr

Assaf: Highly supportive to remove. Need to have a contribution willing to support removal.

Dorothy: Specific detailed actions required. Helpful to look at original contribution that introduced DMG OFDM. D1.0 slated for January. Like to resolve as many comments as possible.

Mark H observation : General support. Removal is more complicated, including clean-up of MCS rates, (consider/remove?) dynamic tone pairing, PHY timing. Need a detailed contribution. (Carlos C, Assaf and Lei can help.)

Note to self : MCS 13 – 24 are the DMG OFDM that need to be removed.

Consensus to remove

**RESOLUTION**

**REVISED**

214.60 delete “20.5 (DMG OFDM mode)”

1125.46 Change as shown “MCS with 13/16 code rate specified in Table 20-19 (DMG SC mode modulation and coding schemes) is not supported regardless of the value in Maximum SC/OFDM Tx/Rx MCS subfields.”

1461.36 delete “or DMG OFDM modulation class”

1464.22 Table 10-6, delete row “DMG OFDM”

2605.16 delete “- An OFDM modulation using MCS 13 to MCS 24 (the DMG OFDM mode; see 20.5 (DMG OFDM mode))”

2605.29 delete “DMG OFDM mode,”

2606.34 delete “— MCS values of 13 to 24 indicates use of OFDM modulations. The value is an index to Table 20-14 (DMG OFDM mode modulation and coding schemes).

2618.42 delete “**DMG OFDM mode,”**

2624.14 delete “DMG OFDM mode,”

2624.27 delete “DMG OFDM mode,”

2627.1 delete 20.5 DMG OFDM mode in its entirety

2643.26 delete “DMG OFDM mode,”

2657.15 delete “20.5 (DMG OFDM mode),”

2658.1 Figure 20-21

 Replace Figure 20-21 with following:

Note to Editor: Visio version is available

Note to DMG expert - Not sure what the lines are around the “TX SC Header” box. Should they be removed or should it be an arrow?



2662.58 delete “The minimum duration of the data field of a BRP packet when sent in an DMG OFDM mode is aBRPminOFDMblocks OFDM blocks and, if needed, the data field of the packet shall be extended by extra zero padding to generate the required number of OFDM symbols.”

2666.54 delete “the DMG OFDM mode and for”

2666.56 delete “– see, for example, Table 20-13 (DMG OFDM mode header fields)”

2667.49 delete “; DMG OFDM mode: 3.3 μs”

3030.13 delete “DMG-P2.3” entry

3030.32 delete DMG-P2.5.3 entry

3654.4 delete “For DMG OFDM mode modulation samples, no symbol shaping has been applied to the data because the implementation of OFDM symbol shaping is not defined in this standard.”

3667.17 delete I.7 in its entirety