IEEE P802.11  
Wireless LANs

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| CIDs 7009 & 7010 | | | | |
| Date: 2024-03-13 | | | | |
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Abstract

This document contains proposed text changes to address IEEE P802.11-REVme SB2 CIDs 7009, 7010, etc.

Revision History:

R0: Initial version.

Proposed Resolution:

* CID 7009 & 7010: Revised. Incorporate the changes shown as “Proposed change” in this document.

CID 7009

|  |  |  |  |
| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 7009 | E.1 | The 920-925 MHz band in Singapore has expanded to 917-925 MHz so the entry for Singapore in table E-5 needs to be updated. | Update entry for Singapore in table E-5 and table E-4 to cover 917-925 MHz. |

## Discussion

The expansion of the 920-925 MHz band to 917-925 MHz in Singapore is recorded in Info-communications Media Development Authority document IMDA TS SRD

Issue 1 Revision 3, Sep 2023. See sub-band 30d for Non-Specific SRD (short range device) in <https://www.imda.gov.sg/regulations-and-licensing-listing/ict-standards-and-quality-of-service/telecommunication-and-security-standards/radio-communication-equipment-standards>.

The 1 MHz channels in the additional 917-920 MHz have already been defined for other regulatory domains and in the global operating classes in Table E-4 so it’s just a matter of adding the extra three 1 MHz channels to the Singapore operating class 18 in Table E.5. However, the 2 MHz, 4 MHz and 8 MHz channels are offset to any existing channels in Tables E-4 and E-5 so both tables need to be updated.

# CID 7010

|  |  |  |  |
| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 7010 | E.1 | The upper S1G band in Europe has expanded to 915.8-919.4 which means we can add an extra channel 31 at center frequency 916.9 MHz. | Add channel 31 for Europe in Table E-5 at center frequency 916.9 MHz. Modify type classification field to become 916.4-919.4 MHz. |

## Discussion

For Europe COMMISSION IMPLEMENTING DECISION (EU) 2018/1538 originally covered only 917.4-919.4 MHz. See band 2 in:

https://docdb.cept.org/download/913676aa-f35b/EC%20Decision%202018%201538.pdf

Subsequently CEPT 70-03 has recommended the wider 915.8-919.4 MHz band. See band a2 on page 15: <https://docdb.cept.org/download/25c41779-cd6e/Rec7003e.pdf>

The change required is to add channel 31 to operating class 30 and modify the type classification field to cover the 916.4-919.4 MHz band in Table E-5.

We have also discovered that the EN 300 220 test plan can be used for the 865-868 MHz band in Europe with polite spectrum access rather than a duty cycle so we would like to restore operating class 7 for 2 MHz channel 6 in the S1G operating classes table E-5. This only requires a minor change to the global operating class 67 in Table E-4 to reference Table E-5 entry E-5-7.

***Proposed resolution for CID 7009 & 7010, update Tables E-4 and E-5 as below:***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| * Global operating classes | | | | | | | |
| Operating class | Nonglobal operating class(es) (see NOTE 3) | Channel starting frequency (GHz) | Channel spacing (MHz) | LC IF Channel starting frequency (MHz)(11bb) | Channel set | Channel number of the center frequency(#6420) | Behavior limits set |
| 1–60~~3~~  (#2387) | — | Reserved | Reserved |  | Reserved | — | Reserved |
| 61 | E-5-20 | 0.902 | 2 |  | — | Reserved | — |
| 62 | E-5-21 | 0.902 | 4 |  | — | Reserved | — |
| 63 | E-5-31 | 0.902 | 8 |  | — | Reserved | — |
| 64  (#2387) | E-5-9,  E-5-10 | 0.9225 | 2 |  | — | Reserved | — |
| 65  (#2387) | E-5-11,  E-5-12 | 0.9065 | 4 |  | — | Reserved | — |
| 66 | E-5-6, E-5-17 | 0.863 | 1 |  | — | Reserved | — |
| 67 | E-5-7, E-5-19 | 0.863 | 2 |  | — | Reserved | — |
| 68 | E-5-1, E-5-18, E-5-22, E-5-26 | 0.902 | 1 |  | — | Reserved | — |
| 69 | E-5-2, ~~E-5-20,~~ E-5-23, E-5-27 | 0.902 | 2 |  | — | Reserved | — |
| 70 | E-5-3, ~~E-5-21,~~  E-5-24, E-5-28 | 0.902 | 4 |  | — | Reserved | — |
|  |  |  |  |  |  |  |  |

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| * S1G operating classes | | | | | | |
| S1G operating Class | Global operating Class (see Table E-4) | Channel starting frequency (GHz) | Channel spacing (MHz) | Channel number of the center frequency(#6420) | CCA Level Classification | Behavior limits set |
|  |  |  |  |  |  |  |
| 7 (Europe) | 67 | 0.863~~Reserved~~ | 2~~Reserved~~ | 6~~Reserved~~ | Type 1  (863–868 MHz)~~Reserved~~ | —~~Reserved~~ |
|  |  |  |  |  |  |  |
| 17 (Singapore) | 66 | 0.863 | 1 | 7, 9, 11 | Type 1  (866–869 MHz) | — |
| 18 (Singapore) | 68 | 0.902 | 1 | 31, 33, 35, 37, 39, 41, 43, 45 | Type 1  (917~~20~~–925 MHz) | — |
| 19 (Singapore) | 67 | 0.863 | 2 | 10 | Type 1  (866–869 MHz) | — |
| 20 (Singapore) | 61~~9~~ | 0.902 | 2 | 32, 36, 40, 44~~38, 42~~ | Type 1  (917~~20~~–925 MHz) | — |
| 21 (Singapore) | 62~~70~~ | 0.902 | 4 | 34, 42~~40~~ | Type 1  (917~~20~~–925 MHz) | — |
|  |  |  |  |  |  |  |
| 30 (Europe) | 77 | 0.9014 | 1 | 31, 33, 35 | Type 1  (916~~7~~.4–919.4 MHz) | — |
| 31 (Singapore) | 63 | 0.902 | 8 | 38 | Type 1  (917–925 MHz) |  |
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**References:**