IEEE P802.11
Wireless LANs

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| Definition of Secondary, secondary1, and secondary 2 channels  |
| Date: 2018-01-23 |
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Abstract

Resolution of CID 1943 is presented

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| --- | --- | --- | --- | --- |
| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** |
| 1943 | 28.01 | 8.3.5.12.2 | Terms of Primary Channel Offset, secondary, secondary1, and secondary2 are illustrated in Figure 1 and Figure 2 but are not defined. | Provide definition of the terms. Definition is provided as a table in separate submission |

Proposal: **Revise**

*Discussion:*

*There is no definition of secondary, secondary1, secondary2 and primary channel offset that are used in the normative text. The secondary, secondary1, secondary2 and primary channel offset are parameters that depends on relative order of CN of the primary 2.16GHz channel and secondary 2.16GHz channels. The definition is proposed below.*

*Editor, append at end of the subclause 9.4.2.251 EDMG Operation element*

Definition of the secondary, secondary1 and secondary2 channels is presented in Table xyz1 depending on relative order of CN of the primary 2.16GHz channel and secondary 2.16GHz channels. The relative order of the CNs is indicated in Primary Channel field and in BSS Operating Channels field of the EDMG Operation element (9.4.2.251)

BSS operating channel may be comprised of one, two, three, or four channels of 2.16GHz channels. Number of the channels is represented by number of subfields set to one in the BSS Operating Channels field of the EDMG Operation element (9.4.2.251)

The channels that are set to one in the BSS Operating Channels field are indicated as:

Ch(i)<Ch(k)<Ch(l)<Ch(m)

B0<=i=<B5, (i+1)<=k=<B5, (k+1)<=l=<B5, (l+1)<=m=<B5, there i, k, l, m are the positions of subfileds set to one in the bitmap (Figure 44)**.** One of the channels is the Primary channel as indicated in the Primary Channel field.

**Table xyz1 – Definition of secondary, secondary1 and secondary2 channels, and Primary channel offset**

|  |  |
| --- | --- |
| Configuration presented in Primary Channel field and in BSS Operating Channels field | Channels’ related definitions |
| Number of channels | Channels set | Primary | Secondary | Secondary1 | Secondary2 | Primary channel offset |
| 1 | Ch(i) | Ch(i) | NA | NA | NA | 0 |
| 2 | Ch(i), Ch(k) | Ch(i) | Ch(k) | NA |  | 0 |
| Ch(k) | Ch(i) | NA | NA |
| 3 | Ch(i), Ch(k), Ch(l) | Ch(i) | Ch(k) | Ch(l) | NA | 0 |
| Ch(l) | Ch(k) | Ch(i) | NA |
| Ch(k) | Ch(i) | Ch(l) | NA | 1 |
| 4 | Ch(i), Ch(k), Ch(l), Ch(m) | Ch(i) | Ch(k) | Ch(l) | Ch(m) | 0 |
| Ch(m) | Ch(l) | Ch(k) | Ch(i) |
| Ch(k) | Ch(i) | Ch(l) | Ch(m) | 1 |
| Ch(l) | Ch(m) | Ch(k) | Ch(i) |

**References:**

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