IEEE P802.11
Wireless LANs

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| Resolution for D5 comment on DSSS Parameter Set  |
| Date: 2016-01 |
| Author(s): |
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Abstract

This submission proposes resolution for a new comment by Graham Smith submitted on 11mc/D5.0.

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.

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| Identifiers | Comment | Proposed change |
| CID xxxGraham Smith9.3.3.3624.54 | DSSS Parameter Set clearly indicates the channel number only in 2.4GHz band only, but in practice it is used to indicate 5GHz channels. | Remove 2.4GHz only reference where appropriate and change name. Submitter will submit proposal.  |

Discussion:

DSSS Parameter Set

P624 L54 and L60 Table 9-27 Beacons

P637 L22, L30, L35, L42 Table 9-33 Probe Requests

P638 L47, L53 Table 8-34 Probe Response

Clearly indicates the channel number only in 2.4GHz band only.

BUT,

Clause 9.4.2.4 DSSS Parameter Set element, P731 L63

“The Information field contains a single parameter containing the dot11CurrentChannel (see 15.4.4.3(Channel Numbering of operating channels), 16.3.6.3 (Channel Numbering of operating channels), 17.3.8.4.2 (Channel numbering) and 19.3.15 (Channel numbering and channelization) for values).”.

BUT

Clause 19.3.15.3 (P3292.55) is **Channel allocation in the 5 GHz band** and specifies the 5GHz channel numbers.

In addition, I sniffed several 5GHz Beacons and checked that the DSSS Parameter Set element was present and indicating the 5GHz channel.

**Discussion:**

It is clear that Clause 9.4.2.4 DSSS Parameter set element specifies that 5GHz channels are to be indicated in this element. Hence, the “2.4GHz” restriction on Clause 20 devices needs to be removed from the Tables.

Another, maybe bigger question is whether the naming of this element should be changed as it is used for both DSSS and OFDM. As suggested name is “Current Channel element”? Then it is clear.

PROPOSED CHANGE

Delete “in the 2.4GHz band” at the following locations:

P624 L62

P637 L31 and L43

P638 L54

Change “DSSS Parameter Set element” to “Current Channel element” in 28 places