### **IEEE P802.11 Wireless LANs**

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| Channel Usage | | | | |
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**Abstract**

No available CID; but soliciting the following change regardless.

**Revisions:**

* Rev 0: Initial version of the document.
* Rev 1: Fixed offline editorial issues

***TGme editor: Please note Baseline is 11me D5.0. Edits are expressed via Word track changes:***

***Belated Comment:***

1. The Channel Usage element could be sent in a groupcast frame, and so it is desirable that all intended recipients understand the listed operating classes. Then, for wider bandwidths (thinking ahead to 320 MHz), there should be a way to interpret 160 and an adjacent 160 as 320 MHz
2. The Channel Usage element was designed in an era of 20 MHz and 40 MHz channels in 5 GHz. With 6 GHz, there are many more channels and channel bandwidths, so a way to leverage the wider bandwidths to compress the element is desirable.

***Proposed resolution:***

Revised: add text in 11.21.15 Channel Usage to account for these goals.

***Changes for this non-comment:***

11.21.15 Channel usage procedures

***Insert the following text at P2781L53 (after first two paragraphs in this section):***

A Channel Entry field, in a Channel Usage element with Usage Mode field equal to 0 or 2, shall be interpreted as a recommendation for the indicated channel, and also for all narrower channels fully encompassed by the bandwidth of the indicated channel.

NOTE – For example, if such a Channel Usage element indicates global operating class 128 and channel 42 (80 MHz at 5 GHz) is a recommendation for that 80 MHz channel, and also for the two 40 MHz channels (36+40, 44+48) and the four 20 MHz channels (36, 40, 44, 48) within that 80 MHz channel.

The operating class(es) included in a Channel Usage element should be selected such that they are expected to be understood by the intended recipient(s) of the element. Operating Class And Channel fields in the Channel Entry field in a Channel Usage element that indicate channels that span a single contiguous bandwidth where the Channel Usage element is sent in a group addressed frame shall be interpreted as a recommendation for each of the identified channels and also for any channel that fully encompasses one or more of the identified channels and is within the contiguous bandwidth.