IEEE P802.11  
Wireless LANs

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| LB239 Radar CIDs | | | | |
| Date: 2019-03-05 | | | | |
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Abstract

[place document abstract text here]

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| 4078 |  |  | RADAR is an acronym and should be capatlized | Replace Radar with RADAR |

Proposed Resolution: **Reject**

**Discussion:**

The current spelling for radar is lowercase. Although radar (like laser) comes from the accornym RAdio Detection and Randing, it has become a common word, so it is used in lower case. (Look e.g. <http://www.dictionary.com>

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| 4234 | 763.03 | Annex Z | Annex Z describes an example implementation of radar using 802.11ad/ay modem. Hoever, it does not show any particular mechanism to assure coexistence with regular 802.11ad/ay STAs or DMG BSS. It will create a confusion. | If an example implementation of radar is described, the standard shall describe how the radar can coexist with 802.11 STAs. |
| 4477 | 763.01 | AnnexZ | The reason to add the texts in this subclause into this 11ay amendment is not clear. One of the possible reasons should be coexistence between 11ay devices and other radar systems which would operate in this band. | Add texts of purpose of this subclaus from the aspect of coexistence. |
| 4309 | 763.01 | Z | Proposed Radar will not support a maximum throughput of at least 20 gigabits per second, so Annex Z is out of scope this project. | Delete entire Annex Z |
| 4416 | 763.03 | AnnexZ | According to the title and the abstract, the scope of this standard seems to be "throughput enhancement". However, this section does not describe anything from such perspective. Therefore, it is too difficult to figure out why this annex is required and how this annex helps implementer of this standard. | Remove Annex Z or clarify why this annex is required to be included. |

Proposed Resolution: **Revise**

**Discussion**

The commenters are correct that the text in Annex Z does not specify how coexistence is assured. We propose to modify the text to clarify that.

***TGay Editor: Add the following text after P763L18:***

Coexistence with DMG and EDMG transmissions in the same channel is assured when the radar follows the 802.11 EDCA medium access rules and uses waveforms that are DMG or EDMG PPDUs so that other devices can determine the duration of the waveform. The address rules described above enhances coexistence by reducing the probability that devices are confused by radar transmissions. When radars follow these rules, the throughput of a DMG or an EDMG STA operating in the vicineity of the radar device can be increased due to reduced collisions with radar device.

**References:**