IEEE P802.11  
Wireless LANs

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

This document proposes resolution to several CIDS related to radar.

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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. |

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:***

By using the approach described in this Annex to implement radar function, coexistence with DMG and EDMG transmissions on the same channel is achieved due to the use of 802.11 EDCA medium access rules and DMG or EDMG PPDUs, which allow other STAs to determine the duration of a transmission. The addressing rules described above enhance coexistence by reducing the probability that a STA gets confused by radar transmissions.

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| 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: **Reject**

**Discussion:**

Radars are being used and more are being designed in the 60GHz band. These radars do not follow 802.11 medium access rules. They create significant interference to 802.11 devices operating in the 60GHz band. By offering a method for radars to coexist with DMG/EDMG devices, we reduce the amount of interference and allow for higher rates. Besides, not every feature in an amendment is defined to support a target data rate mentioned in a PAR. For example, power saving, spatial reuse, etc. However, just because they don't contribute to the target data rate, it does not mean that they are not important/valuable to an amendment. Most amendments include power saving, for example. Therefore the comment shall be rejected.

**Strawpoll: Do you agree to the resolution of CIDs 4416, 4309, 4234, 4477, 4078**

**References: Draft P802.11ay\_D3.0**