IEEE P802.11
Wireless LANs

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| TGbd D5.0 Comment Resolution related to MIB variable definitionand misc |
| Date: 2022-7-11 |
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Abstract

This submission proposes resolution to the following CIDs received during 11bd D5.0 Recirculation SA Ballot.

4 CIDs 6026, 6027, 6033, 6038

Revision history:

r0 Initial version

r1 Edited during TGbd session in July plenary. Modified proposed change for CID6038. Added notes for 6026, 6027, yet to be agreed, based on discussion during the session.

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| **CID** | **Page.Line** | **Comment** | **Proposed Change** | **Proposed Resolution** |
| 6026 | 135.26 | Confusing name of MIB variable. This should be implemented. | Replace "dot11NGVActivated" with "dot11NGVImplemented" throughout. | **Revised****Discussion:**In 802.11-15/0355r13 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0355-13-0arc-mib-truthvalue-usage-patterns.docx>), it is recommended that “dot11<XXX>Implemented” is used for static implementation capability, and “dot<XXX>Activated” is used for dynamic operational capability.The attribute, dot11NGVActivated, is defined as a control variable whose value can be written by external entities as in Annex C of the 11bd draft. Thus, we believe the attribute has been defined as a dynamic operational capability, and the name is appropriate.Comments during TGbd session:* Recommend “revised” with changing the variable definition in Annex C from read-write to read-only.
* Further discussion is needed
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| 6027 | 135.26 | Confusing name of MIB variable. It says supported but then content says it is a control variable. Use a consistent term. | Replace "dot11NONNGVRadioEnvironmentSupported" with "dot11NONNGVRadioEnvironmentActivated" throughout. | **Revised*** Further discussion is needed

**Discussion**Agreed in principle with the commenter; The name for a MIB variable should use one of the patterns shown in 802.11-15/0355r13 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0355-13-0arc-mib-truthvalue-usage-patterns.docx>), and “dot11<\*\*\*>Activated” should be appropriate for the usage of this variable.As this variable appears in the ANA database, the database entry must be modified as well.**TGbd Editor:**Please replace "dot11NONNGVRadioEnvironmentSupported" with "dot11NONNGVRadioEnvironmentActivated" at P23L44, P25L65, P27L16, P135L18, P135L26, and P139L22 (Please double-check the occurrences), and please make request for ANA database to apply the change on the variable name. (On “dot11StationConfigEntry” and “TGbd” sheets in ANA database: <https://mentor.ieee.org/802.11/dcn/11/11-11-0270-62-0000-ana-database.xls> or newer revision) |
| 6033 | 44.64 | dot11DMGOCBActivated is not present in the 5G9. Please fix the inconsistency. | Remove "dot11DMGOCBActivated". | **Revised****Discussion**dot11OCBActivated can be set to true for a DMG STA operating OCB, in which dot11DMGOCBActivated is set to true, thus “dot11DMGOCBActivated” should not be removed from this statement.As the commenter pointed out, it is likely the parameter is not present for 5G9 STAs. Although it is described, in clause 4 of 11bd draft, “A STA whose MIB does not include the dot11DMGOCBActivated attribute operates as if the attribute is false,” description in clause 4 may not be regarded as normative spec. For complete description and clarification, we propose to change “false” to “false or not present” in the concerned text.**TGbd Editor:**Please change “dot11NGVActivated is false and dot11DMGOCBActivated is false” to “dot11NGVActivated is false or not present and dot11DMGOCBActivated is false or not present” at P44L64 in TGbd draft. |

When dot11OCBActivated is true, dot11NGVActivated is false or not present and dot11DMGOCBActivated is false or not present, the TXOP limit~~s~~ shall be 0 for each AC.

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| **CID** | **Page.Line** | **Comment** | **Proposed Change** | **Proposed Resolution** |
| 6038 | 19.16 | Not clear if the STA may or may not be an eDMG. Here it says it follows the rules for EDMG but in the entry sentence it says might be a DMG. From a quick check of the draft the eDMG seems to be present but generally by accident. So I am thinking it is a typo. | Delete all occurrences of EDMG from the TGbd draft (that are related to TGbd). | **Revised****Discussion**DMG related description in TGbd draft are written so that they can be applied to EDMG STA as well as DMG=non-EDMG STA. For example, subclause 11.18 specifies types of control frames that are not transmitted OCB, including frames defined in 11ay. The MLME SAP primitives and DMG OCB Parameters field in DMG Beacon, for example, carry EDMG-related capability information so that the STAs can exchange EDMG capabilities that may be utilized for communication and/or discovery OCB.For clarification, we propose text change for the general description on subclause 4.3.17.**TGbd Editor:**Please remove “or EDMG” from the last sentence of the 1st paragraph in 4.3.17 (P19L16) and add a new sentence “A DMG STA operating OCB might support EDMG features.” at the end of the paragraph. |

**A STA with dot11OCBActivated equal to true might operate as a DMG STA. A DMG STA with dot11DMGOCBActivated equal to true supports the MAC and MLME functions defined in Clause 31.3 (Operation in the 60 GHz band) in addition to the MAC functions defined in Clause 10 (MAC sublayer functional description) and the MLME functions defined in Clause 11 (MLME) for DMG STAs. A DMG STA operating OCB might support EDMG features.**

**References**

[1] Draft P802.11bd D5.0

[2] IEEE802.11-15/0355r13, “MIB TruthValue usage patterns” <https://mentor.ieee.org/802.11/dcn/15/11-15-0355-13-0arc-mib-truthvalue-usage-patterns.docx>