IEEE P802.11
Wireless LANs

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|  SB000 comment resolution CID 6216 |
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Abstract

Resolution of CID 6216

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| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause Number(C)** | **Page(C)** | **Line(C)** | **Comment** | **Proposed Change** | **Resolution**  |
| 6216 | 3.2 | 22 | 36 | The definition of DMG A-PPDU and EDMG A-PPDU are very confusing. A DMG PPDU is defined as a clause 20 PPDU. Hence, a DMG A-PPDU is defined to cognatian only DMG PPDUs (which are non-EDMG PPDUs) and an EDMG A-PPDU to contain only EDMG PPDUs. But DMG is defined to include all operation in a frequency band with a channel greater than 45 GHz, hence both non-EDMG (clause 20) and EDMG (clause 28). To me this is inconsistant. | Fix the definitions to remove the inconsistancy and confusion. | **Revised** See below in the document |

Discussion:

The following changes are based on the analysis and solutions presented in the document

11-20-0533-00-00ay Clarification of DMG, EDMG, and CDMG relationship

P23L6

*Remove the definion in 3.2 (Definitions specific to IEEE Std 802.11)*

“enhanced directional multi-gigabit (EDMG) station (STA): A directional multi-gigabit (DMG) STA capable of transmitting and receiving EDMG physical layer (PHY) protocol data units (PPDUs).”

*Append definition in 3.2 (Definitions specific to IEEE Std 802.11)*

 **“non-directional multi-gigabit (non-DMG):** A modifier meaning not directional multi-gigabit (DMG), not enhanced directional multi-gigabit (EDMG), and not China directional multi-gigabit (CDMG)**”**

P23L8

*Change the definition in 3.2 (Definitions specific to IEEE Std 802.11).*

**“non-enhanced directional multi-gigabit (non-EDMG)**: A modifier meaning directional multi-gigabit (DMG) and include neither EDMG enhancement nor CDMG enhancement..”

P429L6

*Change the text in 28.3.2.1 (General)*

Fields are included depending on whether the PPDU is an SU PPDU, an MU PPDU, or a part of an EDMG A-PPDU

P25L16

*Change the text in 4.3.30 (EDMG STA)*

The IEEE 802.11 enhanced directional multi-gigabit (EDMG) STA is a DMG STA that provides PHY and MAC features that can support a throughput of at least 20 Gb/s, as measured at the MAC data service access point (SAP). An EDMG STA supports DMG and EDMG features as identified …

**References:**

1. IEEE P802.11ay/D5.0, October 2019