IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Resolutions to CID 6228, 6229, 6230 | | | | |
| Date: 2020-04-15 | | | | |
| Author(s): | | | | |
| Name | Company | Address | Phone | email |
| Cheng Chen | Intel |  |  | [cheng.chen@intel.com](mailto:cheng.chen@intel.com) |
| Carlos Cordeiro | Intel |  |  | [carlos.cordeiro@intel.com](mailto:carlos.cordeiro@intel.com) |
| Solomon Trainin | Qualcomm |  |  | [strainin@qti.qualcomm.com](mailto:strainin@qti.qualcomm.com) |
| Payam Torab | Facebook |  |  | torab@ieee.org |

Abstract

This submission proposes resolutions to 3 SA ballot CIDs. These CIDs include:

6228 6229 6230

The CIDs are in reference to Draft IEEE 802.11ay/D5.0 and IEEE 802.11REVmd D3.2.

|  |  |  |  |
| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed change |
| 6228 | 3.1 P23 L37 | TDD SP should be defined independently of its channe access. Once a TDD SP is defined, its channel access scheme can be specified. Test has a better definition of TDD SP, use that one. | Remove the NOTE on line 38 and change the definition to "An SP that has the TDD Applicable SP subfield in an Allocation field within an Extended Schedule element equal to 1."  There is another comment that proposes to use the Allocation Type field in DMG Extended Schedule Element to designate a TDD SP. If the proposed resolution for that comment is accepted, the definition here should be "A DMG allocation with Allocation Type subfield set to 4." |

**Discussion:**

Propose to reject this CID due to the following reasons:

1. The current way to define TDD SP based on its channel access is simiar to the existing way to define CBAP in IEEE 802.11 REVmd D3.2. Therefore, it is totally fine to define TDD SP based on its channel access.

**CBAP**: The time period in the data transfer interval (DTI) of a directional multi-gigabit (DMG) basic service set (BSS) during which enhanced distributed channel access (EDCA) is used.

1. Typically, we do not refer to specific subfield in the definition of a term.

**Proposed resolution: Reject**

|  |  |  |  |
| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed change |
| 6229 | 3.1 P24 L2 | Destination DMG STA is a STA that is expected to receive during (not at the start of) a TDD slot (not TDD SP). Language can be improved too. | Change the definition to "A DMG STA that is expected to receive during a time division duplex (TDD) slot, or a DMG STA identified by the destination association identifier (AID) field in a Grant frame or in an Extended Schedule element that defines a service period (SP) or a contention based access period (CBAP). |
| 6230 | 3.1 P24 L16 | Source DMG STA is a STA that is expected to transmit during (not at the start of) a TDD slot (not TDD SP). Language can be improved too. | Change the definition to "A DMG STA that is expected to transmit during a time division duplex (TDD) slot, or a DMG STA identified by the source association identifier (AID) field in a Grant frame or in an Extended Schedule element that defines a service period (SP) or a contention based access period (CBAP). |

**Discussion:**

Generally, agree with the commenter and propose to revise the definitions and some related spec text.

**Proposed resolution: Revise**

*Revise the following definitions in Section 3.2 as follows:*

**source directional multi-gigabit (DMG) station (STA):** A DMG STA that is expected to receive during a time division duplex (TDD) slot, or a DMG STA identified by the source association identifier (AID) field contained in a Grant frame or Extended Schedule element that caused the allocation of a service period (SP) or contention based access period (CBAP).

**destination directional multi-gigabit (DMG) station (STA)**: A DMG STA that is expected to transmit during a time division duplex (TDD) slot, or a DMG STA identified by the destination association identifier (AID) field contained in a Grant frame or Extended Schedule element that caused the allocation of a service period (SP) or a contention based access period (CBAP).

*Revise the paragraph at P256L12 in section 10.39.6.2.2 as follows:*

In a simplex TDD slot that has the Bitmap and Access Type Schedule field for the STA equal to TX, the STA can transmit to the peer STA assigned to the TDD slot.

**Straw Poll:**

* **Do you agree to accept comment resolutions as proposed in doc 11-20/0620r2?**