IEEE P802.11
Wireless LANs

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| Bug Fix in EDMG Extended Schedule element |
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Abstract

This submission proposes to fix a bug in the EDMG Extended Schedule element.

**Discussion:**

The Channel Allocation field of the EDMG Extended Schedule element has two formats depending on the value of the Scheduling Type subfield, as shown below:





For an allocation that includes the primary channel, the allocation information can be present in both the EDMG Extended Schedule element and Extended Schedule element. In this case, the value of the Scheduling Type subfield of the Channel Allocation field for the allocation shall be set to 0; and the Channel Allocation field for the allocation contains supplemental allocation information to the Allocation field in the Extended Schedule element for the same allocation. However, the supplemental allocation information such as the Asymmetric Beamforming Training subfield, Receive Direction subfield, Number of Space-time Slots subfield and Nmax STS subfield is currently missing in the Channel Allocation field with the Scheduling Type subfield set to 0.

**Proposed changes to D2.1:**

**9.4.2.252 EDMG Extended Schedule element**

***TGay editor: Please replace Figure 62 (Channel Allocation field format when Scheduling Type is 0) by the following figure:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | B0 | B1 B24  | B25 | B26 B33  |
|  | Scheduling Type | Allocation Key | Channel Aggregation | BW |
| Bits: | 1 | 24 | 1 | 8 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | B34 | B35 B49  | B50 B54 | B55 B56  | B57 B63  |
|  | Asymmetric Beamforming Training | Receive Direction | Number of Space-time Slots | Nmax STS | Reserved |
| Bits: | 1 | 15 | 5 | 2 | 7 |

***TGay editor: Please modify the paragraph at P115L16 as follows:***

The Channel Aggregation and BW subfields are defined in Table 53. These fields specify the channel(s) over which the allocation is scheduled on. The Channel Aggregation and BW subfields are reserved when the Asymmetric Beamforming Training subfield is set to 1.

The Asymmetric Beamforming Training subfield is set to 1 to indicate that this allocation is dedicated to performing the procedure specified in 10.43.10.3. Otherwise, this subfield is set to 0.

The Receive Direction subfield indicates the receive antenna configuration that the PCP or AP uses during the allocation and is formatted as shown in Figure 65. The Receive Direction subfield is reserved if the Asymmetric Beamforming Training subfield is 1.

The value of the Number of Space-time Slots subfield indicates the number of space-time slots allocated by the AP or PCP for asymmetric beamforming training. The Number of Space-time Slots subfield is reserved if the Asymmetric Beamforming Training subfield is 0.

The value 2STS, where STS is the value of the Nmax STS subfield, indicates the maximum number of consecutive space-time slots a responder can occupy within a listen period of asymmetric beamforming training. The Nmax STS subfield is reserved if the Asymmetric Beamforming Training subfield is 0. The value 2STS is no more than the value of the Number of Space-time Slots subfield.