IEEE P802.11
Wireless LANs

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| Resolution of Various CIDs |
| Date: 2018-05-09 |
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Abstract

This submission proposes resolutions to 1002, 1181, 1700, 1701,1090, 1890, 2192 and 1739 CIDs

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| **CID** | **Clause** | **Comment** | **Proposed change** | **Resolution**  |
| 1700 | 3.2 | In 802.11 this is called fragmentation and defragmentation. There is no need to use a new term for an existing concept. | Change term to EDMG fragmentation and defragmentation | Rejected  |
| 1090 | 3.2 | The baseline uses the term fragmentation. Is there a reason why not using this term and replace it with segmentation? | use the term as in the baseline |  |

**Discussion**

Segmentation is different feature than fragmentation.

While fragmentation devides limited size MPDU to shorter frames in order to utilize short time of link access, segmentation deals with sending large size MSDU over multiple maximum size MPDU. Operation of two features are totally different hence no justification to use the same mechanism.

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| **CID** | **Clause** | **Comment** | **Proposed change** | **Resolution**  |
| 1002 | 3.2 | It is better to define segmentation and reassembly separately. | as per comment | Revised |
| 1701 | 3.2 | 1. Segmentation and reassembly is a generic concept and the term shouldn't be applied to a specific protocol without a modifier (e.g., EDMG segmentation and reassembly). 2. We use the terms fragmentation and defragmentation in 802.11 and there is no need to apply a different term to the same concept. 3. The definition is inaccurate. The first sentence defines "segmentation" and the second sentence defines "reassembly"; it is not a cohesive definition of the term "segmentation and reassembly". | Remove the definition. Where the term "segmentation and reassembly" is used in the draft change it to "EDMG fragmentation and defragmentation". Title the procedure in 10.62 "EDMG fragmentation and defragmentation". | Revised  |
| 1890 | 3.2 | Add text to distinguish between segmentation and reassembly. | Add text in quotes: The process of partitioning a large medium access control (MAC) service data unit (MSDU) into a sequence of maximum size MAC protocol data units (MPDUs), each carrying an MSDU segment "is known as segmentation" |  |
| 2192 | 3.2 | Segmentation and reassembly are two different processes, which are done in two different STAs, why are they defined as one process? | Provide a definition for segmentation, which includes reference to reassembly as its inverse and provide a definition for reassembly, which includes reference to the fact that it is the inverse of segmentation. A good guide for these definitions are they way fragmentation is defined in 802.11-2016 |  |

**3.2 Definitions specific to IEEE Std 802.11***Change the following definitions as follow:*

**segmentation**: The process of partitioning a large medium access control (MAC) service data unit (MSDU) into a sequence of maximum size MAC protocol data units (MPDUs), each carrying an MSDU segment. The inverse process of recombining a set of segmented MPDUs into an MSDU is known as reassembly.

**reassembly** : The recipient process of recombining a set of segmented MPDUs into a large medium access control (MAC) service data unit (MSDU).

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| **CID** | **Clause** | **Comment** | **Proposed change** | **Resolution**  |
| 1181 | 5.1.5.1 | While the editing instruction is correct, it does not help understand the scope of the changes to the figure. | Please add an editor's note that can be deleted from the final ballot that summarises the changes to the figure. Ditto Figure 5-2. | Revised  |
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**5.1.5.1 General***Add below Editor Note at the end of the section*

*Editor Note: Figures 5.1 and 5.2 were modified to integrate the “Segmentation (TX)/ Reassembly (RX)” MAC module*

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| **CID** | **Clause** | **Comment** | **Proposed change** | **Resolution**  |
| 1739 | 9.3.3.6 | According to at 11.2.7.2.2, there is a sentence "A non-AP EDMG STA may set the Triggered Unscheduled PS subfield to one..." Sounds like this is optional for non-AP EDMG STA to use Triggered Unscheduled PS. It would be preferrable to define a MIB variable to control the use of Triggered Unschduled PS. | "Please consider the following changes: | Reject |

**Discussion**

802.11 standard includes many optional features which the STA “may” support, only minor are having an associated MIB variable. Triggered Unscheduled PS subfield feature does not require specific MIB configuration.

**SP/M:** Do you accept the resolutions given in this document ?