IEEE P802.11
Wireless LANs

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| Resolving the Fragmentation/Reassembly CIDs |
| Date: 2014-05-14 |
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Abstract

This submission proposes resolution of CIDs from LB201 relating to fragmentation and reassembly. Specifically, CIDs 4008, 4168, 4169, 4295, 4513, 4739, 4740, 4741, 4742, 4744, 4896, 4897, 4898, 4902, 4903, 5046, 5047, and 5151.

***Instruct the editor to modify section 9.41 as indicated:***

**9.41 Element fragmentation**

The general format of elements limits the information portion of each element to 255 octets. Informationthat is too large for a single element may be fragmented into a series of elements consisting of the element into which the informationdoes not fit, immediately followed by one or more Fragment elements. Elements that are less than 256 octets shall not be fragmented. A fragmented element and the series of one or more Fragment elements that comprise the information of the fragmented element shall all appear in the same MMPDU.

The data to be fragmented is divided into M + Nportions, where

- M is the result of the integer division of the length of the informationby 255

- N is equal to 1 if the length of the informationmodulo 255 is greater than 0, and equal to 0 otherwise

The element into which the informationdoesnot fit is filled with the first portionof informationand is termed the leading element. The length of the leading element shall be 255. This element is immediately followed by M-1 Fragment elements, each containing the next portionof informationin a Fragmented Data field and with a length of 255. If N = 1 these elements are immediately followed by the last portionof informationin a Fragmented Data field of Fragment element which has a length equal to the length of the data modulo 255.

A Fragment element shall only follow another element whose length is 255. A Fragment element shall not

be further fragmented.

***Instruct the editor to modify section 9.42 as indicated:***

**9.42 Element defragmentation**

Elements which have had their information fields fragmented are those that are followed by one or more Fragment elements. To reconstruct the original information,the portionof data from the leading element is concatenated, in order, with the portionsof informationfrom the series of Fragmented Data field of Fragment elements that follow it. The defragmentation procedure finishes when any element other than a Fragment element is encountered or the end of the MMPDU is reached.

**References:**

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