IEEE P802.11
Wireless LANs

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| Short SSW frame for A-BFT text |
| Date: 2017-05-08 |
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Abstract

This document proposes to how indicate the number of short SSW frame in A-BFT to support the transmission of “short SSW frame” for 11ay.

**Note:**

By using short SSW frames in a SSW slot, more SSW frames can be transmitted within a SSW slot. Therefore, the definition for number of short SSW frame is needed.

The FSS subfield in Beacon Interval Control field in DMG beacon frame can be used to indicate the number of short SSW.

Based on the number of SSWs indicated by the FSS subfield, we defines a table for the number of sSSWs that can be transmitted during the interval.

**9.3.4 Extention frames**

**9.3.4.2 DMG Beacon**

*Change the original text as follows*

…

The FSS subfield specifies the number of SSW frames or Short SSW frames allowed per sector sweep slot minus one (10.38.5 (Beamforming in A-BFT)). The range of this subfield is 0 to 15. For example, when the number of SSW frames allowed per sector sweep is 5, the subfield contains the value 4.

…

**10.38.5 Beamforming in A-BFT**

**10.38.5.2 Operating during the A-BFT**

*Insert the following paragraph after the first paragraph*

If EDMG STA uses Short SSW packet instead of SSW frames to perform an RSS during the A-BFT, the number of Short SSW packets the STA can transmit during a SSW slot is indicated by Table 10-x.

Table 10-x. The number of Short SSW packets as a function of the value of the FSS subfield

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Value of the FSS subfield | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Number ofShort SSW packets | 1 | 3 | 4 | 6 | 8 | 9 | 11 | 12 | 14 | 16 | 17 | 19 | 21 | 22 | 24 | 25 |