IEEE P802.11
Wireless LANs

|  |
| --- |
| Proposed text change on Example of spoofing algorithm |
| Date: 2017-12-5 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Hiroyuki Motozuka | Panasonic | 600 Saedo-cho, Tsuzuki-ku, Yokohama, Kanagawa, Japan |  | motozuka.hiroyuki@jp.panasonic.com |
| Takenori Sakamoto |  |  | sakamoto.takenori@jp.panasonic.com |
| Yutaka Murakami |  |  | murakami.ytk@jp.panasonic.com |
| Lei Huang |  |  | lei.huang@sg.panasonic.com |
| Gaius Wee |  |  | yaohuang.wee@sg.panasonic.com |
| Kazu Takahashi |  |  | takahashi.kazu@jp.panasonic.com |
| SungJin Park | LG electronics |  |  | allean.park@lge.com |

Abstract

This submission proposes text changes on 30.3.3.2.4.2 Example of spoofing algorithm for Length field of Draft P802.11ay D1.0, which address the editor note remains in the subclause.

***Editor: modify the text in subclause 30.3.3.2.4.2 of D1.0 as follows:***

Example of spoofing algorithm for Length field

The following is an informative algorithm for calculating the value of the Length field, , and the Training Length field, , in the L-Header of an EDMG SC mode PPDU or an EDMG OFDM mode PPDU.

1. The tentative number of SC symbol blocks, , is calculated as ,
where is defined in 30.12.3, and , and are defined in 30.5.10.4.2.2.
2. The Base MCS field in the L-Header is set to the value such that the following conditions are met:
* ,
where , and are the parameters defined in section 20.6.3.2.5, 20.6.3.2.3 and 20.6.3.2.3 respectively, and the values are chosen based on the value of the Base MCS field as described in section 20.6.3.
* If and , the Base MCS field shall be set to the value that is greater than 5.
1. The parameters and which denote the number of SC symbol blocks and the Training Length respectively in a DMG SC mode PPDU with the same as the EDMG PPDU are calculated as follows:

If the Base MCS > 5 (QPSK, 16-QAM and 64-QAM)

End

If the Base MCS ≤ 5 (BPSK) and

 If

 Else

 , and is calculated as follows:

 If

 Else

 End

 End

End

1. The maximum value that fulfills the requirement for the spoofing error specified in 30.3.3.2.4.1, , is calculated as
 = ,
where is the parameter defined in section 20.6.3.2.3, and the value is chosen based on the value of the Base MCS field as described in section 20.6.3.
2. The spoofed values of the Length and Training Length fields of the EDMG PPDU are calculated as follows:

If

 =

Else

 =

End

 =

where the parameter is the value of the Compressed BW field in the L-Header as described in 30.3.3.2.4.1.

When the Base MCS field is set to 1, the calculated length may not satisfy the requirement for the spoofing error defined in 30.3.3.2.4.1. In that case, the Base MCS field shall be set to a value different from 1, and the Length and the Training Length fields shall be calculated by repeating c) to e).

**Straw Poll:**

* **Do you agree to accept the text changes proposed in 11-17/aaaar0 proposed text change on example of spoofing algorithm?**

**References**

[1] Draft P802.11ay D1.0