IEEE P802.11  
Wireless LANs

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| Length Calculation in EDMG PPDU | | | | |
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Abstract

This document proposes draft changes to include the equation to set Length field and Training Length field within L-Header in an EDMG PPDU.

Proposed text: equation to set Length field in L-Header

**30.3.3.2.6 L-Header definition**

*Insert the following after the second paragraph:*

Note: Example of the L-Header fields calculation for an EDMG PPDU

1. The tentative number of SC symbol blocks, is calculated as follows:
2. .The Base MCS field is set to the value such that the following conditions are met:

If and , the Base MCS field shall be set to the value that is greater than 5.

1. The number of SC symbol blocks, , and the value of the Training Length field, , are calculated as follows:

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

End

If the Base MCS 5 (BPSK) and

If

Else

and is calculated as follows:

If

Else

End

End

End

1. The maximum length of PSDU, is calculated as follows:

=

1. The spoofed length of PSDU with compressed BW, is calculated as follows:

If

=

Else

=

End

When the Base MCS field is set to 1, the calculated *Length* may not satisfy the requirement for the spoofing error (see 30.3.3.2.6 L-Header definition.) In that case, the Base MCS field shall be set to a value different from 1, and the *Length* and the Training Length shall be calculated by repeating c) to e).