IEEE P802.11  
Wireless LANs

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| Comment resolution for CID 5165 | | | | |
| Date: 5/14/2012 | | | | |
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Abstract

This document proposes a resolution for CID 5165.

## Comment:

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| --- | --- | --- | --- | --- | --- |
| 5165 | 208.14 | 22.3.8.2.3 | Mathematical description of VHT-SIG-A does not meet general format (24) | the general format does not include a summation over symbols. Specify first and second symbol instead (similar to VHT-LTF) |  |

Proposed resolution: Revised. Make modifications as shown in the section “Proposed Resolution” of document 802.11-12/0658R1.

## Discussion

This CID was discussed in documenty 802.11-12/0336r0. There the proposal was to reject the comment. After further discussion, it was concluded that a better way to achieve consistency for all fields was to address the way VHT-LTF is currently described.

In section 22.3.7, the concept of “fields” and “subfields” is introduced. A subfield is essentially a single OFDM symbol. A field is defined as the summation of one or more subfields. This mathematical form is followed for all fields except VHT-LTF. The proposal is therefore to address the inconsistency by bringing VHT-LTF in the same format as the other fields.

## Proposed resolution

Replace Equation (22-8) with:

Modify Equation (22-38) and text above as follows:

The time domain representation of the waveform transmitted on frequency segment *iSeg* of transmit chain *iTx*

~~during VHT-LTF symbol~~ *~~n~~*~~, ,~~ shall be as described by Equation (22-38).