IEEE P802.11
Wireless LANs

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| Resolutions to 32.3.9.9 Midambles |
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Abstract

This submission shows

* Resolutions for comments from TGbd draft 1.0
* 2 CIDs: 1833 and 1834

Revisions:

* Rev 0: Initial version of the document.

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| **CID** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 1833 | 76.25 | Equation 32-34 includes error | N\_(sym-1) should be replaced with N\_sym -1 | Revised.TGbd Editor: make changes according to this document 11-20-1947-00-00bd Resolutions to 32.3.9.9 Midambles. |
| 1834 | 76.28 | Equation (21-67) is used for multi-user. | update it with proper Equation refering to Nsym based on LDPC for a single user. It should be Equation (19-41) | Revised.TGbd Editor: make changes according to this document 11-20-1947-00-00bd Resolutions to 32.3.9.9 Midambles. |

***Discussion***

Looking at the spec in 11ac, one more step requires after Nsym obtained by Equation 21-67 as below.

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Depending on the condition of *Nsym* and *Nsym\_max\_init*, the value in LDPC Extra OFDM Symbol field of NGV-SIG shall be determined.

***To TGbd Editor:*** ***P76L21*** *update the description as below.*

***------------- Begin Text Changes ---------------***

If present, the number of midamble periods, *NMA*, in a PPDU is calculated using Equation (32-34).



 $N\_{MA= \left⌊\frac{N\_{SYM}-1}{M}\right⌋} $

where *NSYM* is defined in 32.3.9.4 (Coding)~~Equation (21-67) with single user~~.

***------------- End Text Changes ------------------***

***To TGbd Editor:*** ***P73L31*** *update the description as below.*

***------------- Begin Text Changes ---------------***

**32.3.9.4 Coding**

The Data field of an NGV PPDU shall be encoded using a low-density parity check (LDPC) code~~-~~ and uses

the same LDPC code and encoding process~~-~~ as described in Clause 21.3.10.5.4 (LDPC coding) for a VHT

SU PPDU with parameter *mSTBC* set to 1 and the LDPC Extra Symbol field setting in NGV-SIG.

***------------- End Text Changes ------------------***