IEEE P802.11  
Wireless LANs

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| Resolutions to 32.3.8.3 NGV portion of NGV format preamble | | | | |
| Date: 2021-08-13 | | | | |
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Abstract

This submission shows

* Comments from TGbd draft 2.0.
* Resolutions applied to TGbd draft 2.0.
* 11 CIDs: 2032, 2033, 2098, 2034, 2190, 2037, 2038, 2191, 2039, 2040, and 2104

Revisions:

* Rev 0: Initial version of the document.

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| **CID** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 2032 | 89.46 | two RL SIG definition such as 32.3.8.2.5 (RL-SIG definition) and 32.3.8.3.3 (RL-SIG definition). Delete one of those. | as in comment | Revised  It is resolved under CID 2029 in 11-21-1344-00-00bd-Resolutions to 32.3.8.2 Non\_NGV portion of NGV format preamble. Redundant 32.3.8.3.3 (RL-SIG definition) is deleted.  TGbd Editor: No more modification is required. |
| 2033 | 90.07 | In Equation (32-13) and its notion, Eta\_L-RSIG has not been discussed before. Delete unnecessary symbol. | as in comment | Revised  Agreed in principle. However, the Equation (32-13) is not existed by deleting the 32.3.8.3.3 (RL-SIG definition).  Same resolution applied for CIDs 2033, 2098 and 2034.  TGbd Editor: No more modification is required. |
| 2098 | 90.07 | Typos L-SIG and L-RSIG in 32.3.8.3.3 RL-SIG section. | Revise accordingly throughout the whole subclause. | Revised  Agreed in principle. However, 32.3.8.3.3 (RL-SIG definition) is deleted.  Same resolution applied for CIDs 2033, 2098 and 2034.  TGbd Editor: No more modification is required. |
| 2034 | 90.21 | In Equation (32-13) and its notion, Eta\_L-RSIG has not been discussed before. Delete unnecessary symbol. | as in comment | Revised  Agreed in principle. However, the Equation (32-13) is not existed by deleting the 32.3.8.3.3 (RL-SIG definition).  Same resolution applied for CIDs 2033, 2098 and 2034.  TGbd Editor: No more modification is required. |

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| **CID** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 2190 | 90.62 | Add "NDP" after "NGV ranging" for consistency with next line, where "NGV Ranging NDP" is mentioned. | as in comment | Revised  The modification is applied in Table 32-10 (Fields in the NGV-SIG field)    TGbd Editor: Incorporate the changes in 11-21-1345-00-00bd-Resolutions to 32.3.8.3 NGV portion of NGV format preamble |

***Discussion***

No discussion

***To TGbd Editor:*** ***P90L62*** *update the description in Table 32-10 as below.*

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

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| B12 | LTF Repetition | 1 | Set to 0 for NGV PPDU with Data field and NGV  ranging NDP without NGV-LTF repetition. Set to 1 for  NGV Ranging NDP with NGV-LTF repetition. |

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

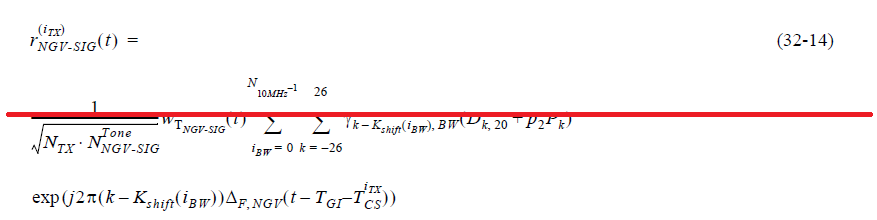
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 2037 | 91.33 | In Equation (32-14), D\_k,20 and D\_k,10 mixed in use with the same definition. Make it consistent. | as in comment | Revised  is replaced with based on the comment.    Same resolution applied for CIDs 2037, 2038, 2191and 2039.  TGbd Editor: Incorporate the changes in 11-21-1345-00-00bd-Resolutions to 32.3.8.3 NGV portion of NGV format preamble |
| 2038 | 91.47 | D\_k,20 and D\_k,10 mixed in use with the same definition. Make it consistent. | as in comment | Revised  is replaced with based on the comment.    Same resolution applied for CIDs 2037, 2038, 2191and 2039.  TGbd Editor: Incorporate the changes in 11-21-1345-00-00bd-Resolutions to 32.3.8.3 NGV portion of NGV format preamble |
| 2191 | 91.48 | Equation (32-10) defines M^{r}\_{10}(k), but on line 48 and line 51 it is "M^{r}\_{20}(k)". Please replace "20" by "10" as in (32-10). | as in comment | Revised  is replaced with based on the comment.    Same resolution applied for CIDs 2037, 2038, 2191and 2039.  TGbd Editor: Incorporate the changes in 11-21-1345-00-00bd-Resolutions to 32.3.8.3 NGV portion of NGV format preamble |
| 2039 | 91.51 | D\_k,20 and D\_k,10 mixed in use with the same definition. Make it consistent. Equation (32-20) indicates M\_10(k) not 20. | as in comment | Revised  is replaced with based on the comment.    Same resolution applied for CIDs 2037, 2038, 2191and 2039.  TGbd Editor: Incorporate the changes in 11-21-1345-00-00bd-Resolutions to 32.3.8.3 NGV portion of NGV format preamble |

***Discussion***

No discussion

***To TGbd Editor:*** ***P91L33*** *update the description as below.*

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

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(32-14)

where

and are defined in 32.3.8.2.4 (L-SIG definition)

is defined in Equation (32-10)

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

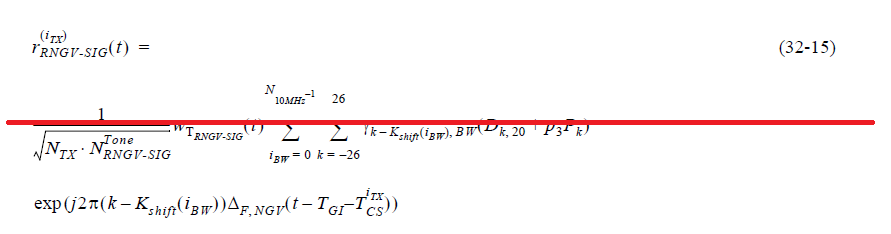
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 2040 | 92.14 | D\_k,20 and D\_k,10 mixed in use with the same definition. Make it consistent. | as in comment | Revised  is replaced with based on the comment.    TGbd Editor: Incorporate the changes in 11-21-1345-00-00bd-Resolutions to 32.3.8.3 NGV portion of NGV format preamble |

***Discussion***

No discussion

***To TGbd Editor:*** ***P92L14*** *update the description as below. 32.3.8.3.1 (Introduction) and 32.3.8.3.3 (RL-SIG definition) needs to be deleted.*

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

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(32-15)

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

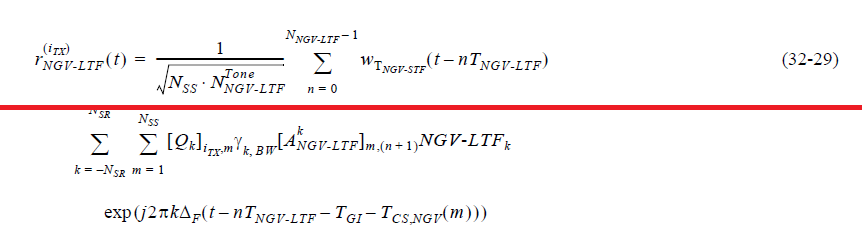
|  |  |  |  |  |
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| **CID** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 2104 | 97.02 | Change the typo w\_T\_NGV-STF to w\_T\_NGV-LTF. N\_NGV-LTF needs to be revised to reflect the new parameter LTF\_REP, perhaps done in Table 32-11. | As in comment. | Revised  is replaced with in Equation (32-29) based on the comment.  Since the description of NGV Ranging NDP is included in 32.3.15 (NGV Ranging NDP), a new equation which reflects the comment is defined in the same subclause. The number of NGV-LTF in Equation is  TGbd Editor: Incorporate the changes in 11-21-1345-00-00bd-Resolutions to 32.3.8.3 NGV portion of NGV format preamble |

***Discussion***

No discussion

***To TGbd Editor:*** ***P97L02*** *update the description as below.*

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

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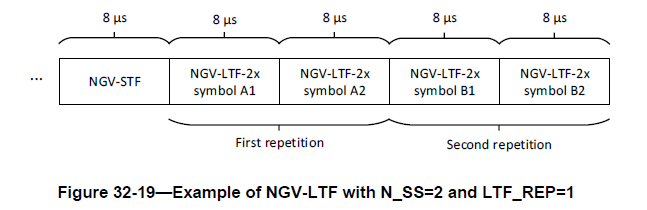
(32-29)

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

***To TGbd Editor:*** ***P117L06*** *update the description as below.*

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

The construction of the NGV-LTFs in an NGV Ranging NDP is done by performing the steps in 32.3.4.7 (Construction of NGV-LTF) LTF\_REP plus 1 time. An example of NGV\_LTF with 2 spatial streams and 1 LTF repetition is shown in Figure 32-19 (Example of NGV-LTF with N\_SS=2 and LTF\_REP=1).



The time domain representation of the waveform transmitted on transmit chain in NGV Ranging NDP shall be as described by Equation (32-x1).

(32-x1)

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