IEEE P802.11  
Wireless LANs

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| N\_LTF correction to Clause 20 and 22 | | | | |
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Abstract

This document provides correction to errors in equations REVmc D2.7 Eq 22-104 and Eq 20-91/94 related to use of N\_LTF.

**Clause 22 correction**

**Discussion:**

There is no definition in Clause 22 for N\_LTF, yet it is used in Equation 22-104. This should be changed to N\_VHTLTF.



**Proposed change:**

**REVmc editor: In REVmc D2.7, Section 22.3.21, pg 2562 line 10, Eq 22-104**

Replace N\_LTF by N\_VHTLTF

**Clause 20 simple correction**

**Discussion:**

The reference given for N\_LTF (following Eq 20-94 is Equation 20-22:



Eq 20-22 is actually the equation for N\_HTLTF:



We have two choices. Fix the reference to point to the correct equation or change the equations to use N\_HTLTF.

There is sort of a definition for N\_LTF in 20.3.9.4.6,

This does not seem quantitative enough to be generally used or referenced.

Since there isn’t a clear reference for N\_LTF, the simplest change would be to change N\_LTF to N\_HTLTF in Equation 20-91/94.

**Proposed change:**

**REVmc editor: In REVmc D2.7, Section 20.4.31, pg 2383 line 50, Eq 22-91/4**

Replace N\_LTF by N\_HTLTF

**REVmc editor: In REVmc D2.7, Section 20.4.31, pg 2383 line 54, Eq 22-91/4**

Replace N\_LTF by N\_HTLTF

**REVmc editor: In REVmc D2.7, Section 20.4.31, pg 2383 line 61, Eq 22-91/4**

Replace N\_LTF by N\_HTLTF

**Clause 20 more involved corrections**

**Discussion:**

Looking back to Clause 20, it appears that N\_LTF is used interchangeably with N\_HTLTF.

Below is an explanation of N\_LTF.



Below is the formal definition for N\_HTLTF.



From the definitions, there doesn’t seem to be any difference between N\_LTF and N\_HTLTF. Especially with the use of N\_VHTLTF in Clause 22, it would be better to only use N\_HTLTF in Clause 20.

Below are the uses of N\_LTF in REVmc D2.7 (besides the ones previously corrected):

Pg 2312 ln 11 & 27, Eq 20-2



Pg 2312 ln 41 & 55, Eq 20-3



Pg 2324 ln 38



Pg 2325 ln 10



Pg 2357 ln 60, 61, 62



**Proposed change:**

**REVmc editor: In REVmc D2.7, Section 20.3.7, pg 2312 line 11&27, Eq 22-2**

Replace N\_LTF by N\_HTLTF (twice)

**REVmc editor: In REVmc D2.7, Section 20.3.7, pg 2312 line 41&55, Eq 22-3**

Replace N\_LTF by N\_HTLTF (twice)

**REVmc editor: In REVmc D2.7, Section 20.3.9.4.6, pg 2324 line 38**

Replace N\_LTF by N\_HTLTF

**REVmc editor: In REVmc D2.7, Section 20.3.9.4.6, pg 2325 line 10**

Replace N\_LTF by N\_HTLTF

**REVmc editor: In REVmc D2.7, Section 20.3.13.1, pg 2357 line 60, 61, 62**

Replace N\_LTF by N\_HTLTF (three times)