IEEE P802.11
Wireless LANs

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| **Suggested resolution to mesh comment** |
| Date: 2020-02-04 |
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Abstract

This submission brings discussion and/or suggested resolution to CID 4425.

The CIDs are in reference to Comment database on Draft IEEE 802.11md/D3.0.

**Comment:**

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| **CID** | **PP.LL** | **Comment** | **Proposed Change** |
| 4425 | 2801.00 | It is not clear what a "standard size" is. Also there is duplication for ef | In the referenced subclause delete "standard " in "standard size" (2x), delete "for a (#1556)nominal frame containing a frame body ofsize Bt" and change "It represents the estimated data rate" to "It is the estimated data rate" |

**Discussion:**

D3.0 reads:





* It is true that “standard size” is not defined properly. 🡪 Remove “standard” as suggested.
* *r* and *ef* are reference values to guide how the airtime link metric should be calculated. Indeed, how to measure these values are implementation dependent. It is better to keep on using the term “nominal frame containing a frame body of size *Bt*”
* The description of the “input parameter *r*” and “input parameter ef” can be improved.

**Proposed resolution: Revise**

*Change the description on “input parameter r” and “input parameter ef” as follows in 14.9.2 (Airtime link metric and high PHY rate airtime link metric):*

input parameter *r* is the estimated PHY data rate (in Mb/s) at which the mesh STA would transmit a nominal frame containing a frame body of size *Bt* based on current link conditions; its estimation is dependent on local implementation of rate adaptation

input parameter *ef* is the estimated frame error rate. It is the probability that when a nominal frame containing a frame body of size *Bt* is transmitted at the PHY data rate *r*, the frame is corrupted; its estimation is a local implementation choice. Failures due to exceeding Mesh TTL should not be included in this estimate as they are not correlated with link performance

**Reference:**

[1] Draft P802.11REVmd\_D3.0.

[2] 11-19/2156r3 “REVmd Sponsor Ballot Comments”