IEEE P802.11  
Wireless LANs

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| Resolution for CID 1501 Back off timer | | | | |
| Date: 2018-04 | | | | |
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Abstract

This submission proposes resolutions for CIDs 1378,1466,1469,1477

Green indicates material agreed to in the group,

yellow material to be discussed, red material rejected by the group and

cyan material not to be overlooked.

The “Final” view should be selected in Word.

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| --- | --- | --- | --- | --- | --- | --- |
| CID | Commenter | Clause | Page | Line | Comment | Proposed |
| 1501 | Mark Rison |  |  |  | "backoff timer" is confusing since it's not really a timer, it's just a counter (and indeed there are a number of "backoff counter"s). The "backoff counter" should be referenced instead, and then it's not that it expires but that it is/reaches zero | Change all the instances of "backoff timer" throughout the draft to "backoff counter" |

In document 17/0987r11 we had

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| CID | Commenter | Clause | Page Line | Comment | Proposed |
| 294 | Mark RISON | 10.3.3 |  | Is the backoff timer in units of slots or in units of time (multiples of aSlotTime)? For example, Equation (10-1) indicates the backoff time (or Backoff Time) is in units of time, but at 1351.61 the backoff timer is "decremented" and 1351.8 says the backoff timer has a value measured in "backoff slots" | Be consistent. It's probably easiest if the backoff timer is something that counts in units of slots |
| 189 |  | 10.22.2.4 | 1486.27 | “backoff timer” is confusing since it is not really a timer, it’s just a counter (and indeed there are a number of “backoff counters) | Change all instances of “backoff timer” in the draft to “Backoff counter” |

The resolution was to change the formula “Backoff Timer”to “Backoff Counter”.

Equation 10-1 was changed to be

Backoff Count = Random () and everywhere we had backoff timer we replaced with backoff count, or so we thought. So theoretically this comment 1501 should have been satisfied by CIDs 294 and 189.

BUT

Check for instances of “backoff timer” in D1.0. and we find 16 instances. These need to be fixed.

There are also instances of “backoff time” not all of these need fixing but I have found those that do – assuming that we keep the title of 10.3.3 as “Random backoff time”.

RESOLUTION

REVISED

At the following locations replace ‘backoff timer’ with ‘backoff counter’

10.2.3.2.5 P1578.64

10.3.2.3.6 P1579.27

10.3.4.2 P1607.1

10.3.4.3. P1607.53, 1608.50, 1608.51, 1608.57, 1608.60, 1608.61

10.23.2.2 1668.10

11.1.3.5 P1941.58, 1942.17, 1942.22,

11.1.3.10.2 P1945.60

11.2.3.14 P1985.11

11.15.9 P2128.43

10.3.4.3 at P1607.53 make changes as shown:

“To begin the backoff procedure, the STA shall set its backoff counter to a random value using the equation in 10.3.3 (Random backoff time).”

11.8.3 P2068.4 replace “backoff time” with “backoff count”