IEEE P802.11  
Wireless LANs

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| BRP Fixes | | | | |
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Abstract

This document provides bug fixes for CID 9001.

Double request.

Raising both L\_RX>0 and TX-TRN-REQ>0 together complicates the state machines for no reason. We propose to allow that only in BRP-TX packet, therefore allowing always to request for the next frame.

TGad Editor: add the following text after P361L38

A STA shall not set L\_RX>0 and TX-TRN-REQ>0 in a BRP frame unless the frame is transmitted in a BRP TX packet.

TGad Editor: add the following text after P339L14

A STA shall not set both L\_RX>0 and TX-TRN-REQ>0 in an SSW-ACK frame.

Unnecessary note

TGad editor remove the note in P361L42:

Contradiction between 9.35.2.2.1 and 8.3.1.16

The text in 9.35.2.2.1 says:

“If the ISS is initiated in a CBAP and the initiator has the responder’s DMG Capabilities element which includes the value of the Total Number of Sectors field, the Duration field shall be set to the time remaining until the end of the RSS. “

While in 8.3.1.16

The Duration field is set to the time until the end of the SSW frame transmission that has the CDOWN subfield within the SSW field equal to 0 or until the end of the current allocation (see 9.35), whichever comes first.

***TGad Editor: Modify P332L27-P333L1-3 as follows:***

the time remaining until the end of the ISS or the end of the current allocation, whichever is earlier.

Timeout for responses to Transmit Beam Tracking request

There is not timeout for transmitting the response to a beam tracking request.

***TGad Editor: Add a 2 bit Beam Tracking Response Time field to DMG STA Capability information field format, (figure 8-401o) replacing the reserved bits in B60-B61***

***TGad Editor: Add the following text after P182L34:***

The Beam Tracking Response Time indicates the maximum time it takes the STA to return a response to a transmit beam tracking request. A value of 0 indicates 0.5ms, a value of 1 indicates 1ms, a value of 2 indicates 1.5ms and a value of 3 indicates 2ms.

***TGad Editor: Add the following text at the end of P365L17:***

The responder shall send the response within the time indicated in the Beam Tracking Response Time field in its DMG capability element. The initiator shall not send a new transmit beam tracking request until the time indicated in the responder’s Beam Tracking Response have passed from the end of the transmission of the packet that included the previous transmit beam tracking request