IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CR for 10.3.2.9 and 10.3.2.11 | | | | |
| Date: 2023-06-23 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Yunbo Li | Huawei |  |  | liyunbo@huawei.com |
| Ming Gan |  |  |  |  |
| Yuchen Guo |  |  |  |  |
| Guogang Huang |  |  |  |  |
| Yue Zhao |  |  |  |  |
| Zhenguo Du |  |  |  |  |
| Stephen McCann |  |  |  |  |
| Edward Au |  |  |  |  |
|  |  |  |  |  |

Abstract

This submission proposes comment resolution(s) for the following 3 CID(s) received in LB271 on TGbe D3.2 related to 10.3.2.9 and 10.3.2.11

CIDs: 15681, 17319, 17320

Revisions:

* Rev 0: Initial version of the document.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 17320 | Alfred Asterjadhi | 10.3.2.11 | 333.63 | I think we need to define again what NSTR limited means here, since the NSTR limited defined in 10.3.2.9 relies on the reception of an RTS frame and generation of a CTS, while here we are discssing acknowledgments. | Please clarify. | Revised  Agree with the commenter.  The two paragraphes are moved to subclause 10.3.1 and change RTS/CTS to a general description, so all frame exchanges (include RTS/CTS in 10.3.2.9, MU-RTS/CTS in 26.2.6.3, and Acknowledgment procedure in 10.3.2.11) can use the definition of NSTR limitation.  TGbe editor to make the changes with the CID tag 17320 in doc 11-23/1047r0 |
| 15681 | Yanchao Xu | 10.3.2.11 | 333.61 | The current definition of NSTR limited includes follow condition, -- the STA has received the RTS on a link that is a member of one or more of the MLD's NSTR link pairs. So a STA is NSTR limited only if this STA has received a RTS. But the current NSTR limit is also to affect the ACK/BA transmission, as below , "a STA that is NSTR limited may transmit an Ack or BlockAck frame after a SIFS, regardless of the busy/idle state of the medium"  The definition of the NSTR limited shall be changed | Apparently, the "NSTR limited" is to limit the behaviour of control response, such as CTS/ACK/BA etc. So the proposed change is as below, In this subclause, a STA is NSTR limited if all of the following conditions are true: -- the STA is affiliated with an MLD that has at least one NSTR link pair -- the STA has received a frame on a link that is a member of one or more of the MLD's NSTR link pairs, and this frame requires a immediate control response -- another STA affiliated with the same MLD is a TXOP holder or TXOP responder on one of the other links that is a member of at least one of the NSTR link pairs of which the link on which the RTS was received is a member | Revised  Agree with the commenter.  The two paragraphes are moved to subclause 10.3.1 and change RTS/CTS to a general description, so all frame exchanges (include RTS/CTS in 10.3.2.9, MU-RTS/CTS in 26.2.6.3, and Acknowledgment procedure in 10.3.2.11) can use the definition of NSTR limitation.  TGbe editor to make the changes with the CID tag 17320 in doc 11-23/1047r0 |
| 17319 | Alfred Asterjadhi | 10.3.2.9 | 332.22 | I think there is an equivalent word to "not true" that can be used instead... | Replace with "false". | Accepted |

1. **Proposed spec text**

***TGbe editor: Please add following paragraphes at the end of subclause 10.3.1 (General) :***

**10.3.1 General**

(#17320) A STA is NSTR limited if all of the following conditions are true:

—the STA is affiliated with an MLD that has at least one NSTR link pair

—the STA has received a frame on a link that belongs to an NSTR link pair, and this frame requires a immediate response frame

—another STA affiliated with the same MLD, is a TXOP holder or responder on the other link of the NSTR link pair that the link on which the frame was received is a member

If at least one of the above conditions is false (#17319), then the STA is not NSTR limited.

***TGbe editor: Please make the following changes in subclause 10.3.2.9 (CTS and DMG CTS procedure) :***

**10.3.2.9 CTS and DMG CTS procedure**

(#17320)