IEEE P802.11
Wireless LANs

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| SubmissionCR CID 5672 dynamic NSTR bitmap |
| Date: 2021-09-19 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Matthew Fischer | Broadcom | 250 Innovation Drive, San Jose, CA 95134 |  | Matthew.fischer@broadcom.com |
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Abstract

This submission proposes resolutions to TGbe CC36 CIDs as listed:

5672

These CIDs are related to the subject of dynamic modification of the NSTR bitmap

Revisions:

* R0: Initial version of the document.

***Editing instructions formatted like this are intended to be copied into the TGbe Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGbe Editor: Editing instructions preceded by “TGbe Editor” are instructions to the TGbe editor to modify existing material in the TGbe draft. As a result of adopting the changes, the TGbe editor will execute the instructions rather than copy them to the TGbe Draft.***

**CIDs**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution (Proposed)** |
| 5672 | Julien Sevin | 35,3,14,3 | 274.60 | How to indicate a modification of the NSTR bitmap in operation time | As in comment | Revised – Tgbe editor shall make changes found under CID 5672 within 11-21-1547r0 which adds a new EHT Protected Action frame that allows the ML element containing the NSTR Bitmap to be transmitted from one MLD to another. |

**Discussion**

**Proposed changes**

**CID 5672**

***TGbe editor: Within TGbe D1.1 in Table 9-526p-Protected EHT Action field values, add a new row as shown, noting that the table’s header row is shown for convenience and modify the reserved values from “6-255” to “7-255”:***

9.6.35 Protected EHT Action frame details

9.6.35.1 Protected EHT Action field

Table 9-526p—Protected EHT Action field values

|  |  |  |
| --- | --- | --- |
| **Value** | **Meaning** | **Time Priority** |
| 6 | NSTR Update | No |

***TGbe editor: Within TGbe D1.1, insert the following new subclause to appear immediately after 9.6.35.7 NSEP Priority Access Teardown frame details:***

9.6.35.8 NSTR Update frame format

A non-AP MLD affiliated to an AP MLD uses the NSTR Update frame to indicate a change in the NSTR status of its links. The Action field of the NSTR Update frame contains the information shown in Table 9-526yy (NSTR Update frame Action field format).

**Table 9-526yy -- NSTR Update frame Action field format**

|  |  |
| --- | --- |
| **Order** | **Information** |
| 1 | Category |
| 2 | EHT Action |
| 3 | Per-STA Profile subelement (see 9.4.2.295b.2 (Basic variant Multi-Link element)) |

The Category field is defined in 9.4.1.11 (Action field).

The EHT Action field is defined in 9.6.34.1 (EHT Action field).

The Subelement ID of the Per-STA Profile sublement is set to 0.

***TGbe editor: Within TGbe D1.1, insert the following new paragraph at the end of subclause 35.3.15.4, as shown:***

35.3.15.4 Capability signaling

To indicate a change in the NSTR status of its links, a non-AP MLD may transmit an NSTR Update frame to a peer MLD containing a value in the NSTR Indication Bitmap field that differs from the most recently transmitted NSTR Indication Bitmap field value to that peer.

**(#5672)**