IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CR for Dynamic NSTR Capability Update | | | | |
| Date: 2022-10-11 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Yunbo Li | Huawei |  |  | liyunbo@huawei.com |
| Ming Gan |  |  |  |  |
| Yuchen Guo |  |  |  |  |
| Guogang Huang |  |  |  |  |
| Yousi Lin |  |  |  |  |
| Zhenguo Du |  |  |  |  |
| Stephen McCann |  |  |  |  |
| Edward Au |  |  |  |  |
|  |  |  |  |  |

Abstract

This submission proposes comment resolution(s) for the following 3 CID(s) received in LB266 on TGbe D2.2

CIDs:

12439, 12524, 13640

Revisions:

* Rev 0: Initial version of the document.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 12439 | Ryuichi Hirata | 35.3.16.2 | 452.10 | Dynamic NSTR cabability related discussion was deferred to R2 in 11-0828/r1. | Revisit dynamic NSTR capability related discussion and define mechanism for dynamic NSTR capability such as indication of additonal information about NSTR interference. | Rejected  Since the static NSTR capability updated is adopted by the standard, some members expressed concern about an additional implementation complexity for a more dynamic update. The task group also fails to reach consensus to add a mechanism for a dynamic NSTR capability update. |
| 12524 | Yusuke Tanaka | 35.3.16.2 | 452.45 | Whether STR is possible or not depends on the frequency separation, transmission and reception power, MCS, etc. of the links actually used. Static and binary capability indication causes a low frequency utilization efficiency issue. | Please solve this issue and allow a MLD device to dynamically decide whether STR can be enabled or not. That could be realized by defining measurement sequences of in-device interference for example. The group comcluded that this issue will be discussed in R2 (21/828r1) | Rejected  Since the static NSTR capability updated is adopted by the standard, some members expressed concern about an additional implementation complexity for a more dynamic update. The task group also fails to reach consensus to add a mechanism for a dynamic NSTR capability update. |
| 13640 | Rubayet Shafin | 35.3.16.4 | 454.19 | In the current spec, the NSTR capability information exchange with the AP MLD is pretty much on a long term basis. However, a device's NSTR ability can change more dynamically. For example, for a folding device, the device can be in STR when in unfolded position, while it is NSTR-constrained when in folded position. The current mechanism in the spec on NSTR information exchange is not conducive to more dynamic NSTR update. | Please provide procedures in the spec to enable dynamic NSTR update. | Rejected  Since the static NSTR capability updated is adopted by the standard, some members expressed concern about an additional implementation complexity for a more dynamic update. The task group also fails to reach consensus to add a mechanism for a dynamic NSTR capability update. |