IEEE P802.11
Wireless LANs

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| CR for Dynamic NSTR Capability Update |
| Date: 2022-10-11 |
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Abstract

This submission proposes comment resolution(s) for the following 4 CID(s) received in LB266 on TGbe D2.2

CIDs:

12439, 12524, 13640, 13212

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: add CID 13212

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| **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. | RejectedThe task group fails to reach consensus to allow NSTR status varies depends on different PPDU transmission parameters (such as BW, power, MCS,…). |
| 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) | RejectedThe task group fails to reach consensus to allow NSTR status varies depends on different PPDU transmission parameters (such as BW, power, MCS,…). |
| 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. | RejectedThe task group fails to reach consensus to allow NSTR status varies depends on different PPDU transmission parameters (such as BW, power, MCS,…). |
| 13212 | Evgeny Khorov | 35.3.1 | 454.52 | Current spec considers only STR and NSTR operation, while in devices a conditional STR case is also possible, see <https://mentor.ieee.org/802.11/dcn/21/11-21-1887-00-00be-conditional-str.pptx> | Add siganling to describe conditional STR properties | RejectedThe task group fails to reach consensus to allow NSTR status varies depends on different PPDU transmission parameters (such as BW, power, MCS,…). |