IEEE P802.11`
Wireless LANs

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| Remaining Comment resolutions for section 4 |
| Date: 2018-01-05 |
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Abstract

This submission proposes resolutions for the following CIDs:

* 12119, 11964.

Revisions:

* Rev 0: Initial version of the document.

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGax Draft. This introduction is not part of the adopted material.

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

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

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| **CID** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 12119 | 37.00 | The 802.11ax amendment provides new capabilities/features that warrant a more explanative introduction then simply stating a list of the "new" phy/mac features and if the features are mandatory or optional. Therefore adding descriptive text as to what the new capabilities and features of a HE STA are and what the purpose and benefits of these capabilities and features are is warranted. Following the style of VHT in no excuse of not adding descriptive text. | Provide a useful and clear introduction to the new capabilities provided by 802.11ax features, including: 1) the benefits of the of capability (e.g. provides for MU access to lower overhead and reduce congestion in 802.11 BSSs), 2) the features of 802.11ax that will enable this capability (e.g. OFDMA or MU-MIMO), and 3) for capabilities that have multiple features supporting them what the expectation/use for the features that support the capability. |  Revised.TGax editor to adopt the proposed text changes in 18/955r0. |
| 11964 | 37.10 | The stated scope in the ax PAR of "at least one mode of operation capable of supporting at least four times improvement in the average throughput per station" still needs to be met. A description of such performance improvement should be added to this subclause. | As suggested. |  Revised.TGax editor to adopt the proposed text changes in 18/955r0. |

**Discussion: *None.***

***Tech editor: add a new paragraph after the last paragraph of 4.3.14.a as follows:***

**4.3.14a High efficiency (HE) STA**

**….**

Although not guaranteed due to the complexities of real-world dense environments, it can be shown that in certain modes of operations, combinations of these HE features can improve the average throughput per STA by more than four times, compared to VHT.