IEEE P802.11
Wireless LANs

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| LB 207 Comment Resolution for 9.50.4 Sectorization |
| Date: 2015-3-9 |
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Abstract

This submission proposes resolutions for multiple comments of TGah Draft 4.0 with the following CIDs:

* 6178, 6235

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 TGah Draft. This introduction is not part of the adopted material.

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

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

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| **CID** | **Commenter** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 6178 | Joseph Levy  | 321.32 | 9.50.4 | Why is a NDP CTS needed preceding the TXOP-based sectorized transmissions? The only functions that the NDP CTS can provide is 1) to provide TXOP protection; 2) to provide early sector indication. Since there are always omni-directional transmissions conducted after the NDP CTS and before the directional transmissions, the omni-directional packets/short packets may include duration for TXOP protections and include early sector indications. The NDP CTS can then be removed; this will save the extra overhead of a NDP CTS while providing the same functionality. | Remove the requirement for the transmission of the NDP CTS prior to TXOP-based sectorized transmisstions. | RejectedThere is no mandatory requirement to transmission of NDP CTS prior toTXOP-based sectorized transmission. The early indicator in NDP CTS allows simplification of STA’s operation involving detection and confirmation of the spatial orthogonal conditions.  |
| 6235 | Joseph Levy | 224.26 | 8.9.1.7.1 | Why is a NDP CTS needed preceding the TXOP-based sectorized transmissions? The only functions that the NDP CTS can provide is 1) to provide TXOP protection; 2) to provide early sector indication. Since there are always omni-directional transmissions conducted after the NDP CTS and before the directional transmissions, the omni-directional packets/short packets may include duration for TXOP protections and include early sector indications. The NDP CTS can then be removed; this will save the extra overhead of a NDP CTS while providing the same functionality. | Remove the requirement for the transmission of the NDP CTS prior to TXOP-based sectorized transmisstions. | RejectedThere is no mandatory requirement to transmission of NDP CTS prior toTXOP-based sectorized transmission. The early indicator in NDP CTS allows simplification of STA’s operation involving detection and confirmation of the spatial orthogonal conditions. |