IEEE P802.11
Wireless LANs

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| Comment Resolutions for CIDs 1017, 1449, 1520, 802, and 1194 |
| Date: 2011-05-09 |
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Abstract

Submission addresses Draft P802.11ac\_D0.1 comments 1017, 1449, 1520, 802, and 1194.

**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 TGac Draft. This introduction is not part of the adopted material.

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

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

***Submission Note: Notes to the reader of this submission are not part of the motion to adopt. These notes are there to clarify or provide context.***

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| **CID** | **Subclause** | **Page** | **Line** | **CommentType** | **Comment** | **Suggested Remedy** |
| 1017 | 7.3.1.32 | 14 | 55 | TR | VHT Compressed Beamforming Report field can grow up to approximately 26Kbytes, which is larger than the maximum allowed MPDU limit for management frames. As the current specification does not support CB report to be made for some of the valid configurations it is broken. fix this. | Clarify the reporting procedures when VHT Compressed Beamforming Report field can grow up to approximately 26Kbytes, which is larger than the maximum allowed MPDU limit for management frames. Segmentation and PPDU trasmission in the form of A-MPDU can be one solution. |
| 1449 | 7.3.1.32 | 14 | 55 | TR | Maximum size of VHT Compressed Beamforming report is more than 26Kbytes. Segmentation of these large payload should be considered. | support segmentation and transmission of segmented CB report and add appropriate description |
| 1520 | 7.3.1.32 | 14 | 55 | TR | In some cases, VHT Compressed Beamforming Report field can grow over the limit of MPDU.  | Clarify the behavior when VHT Compressed Beamforming Report grows over limit. Some segmentations may be required. |

**Discussion:**

Agree in principle. Segmentation issues of VHT Compressed Beamforming Report field and MU Exclusive Beamforming Report field are clarified in 11/0349r2 and related texts are approved for VHT Sounding Protocol.

**Proposed Resolution:**

Agree in principle. The comments are already resolved in 11/0349r2.

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| 802 | 7.2.1.12 | 10 | 24 | TR | According to 22.3.13, NDP shall be the only sounding format. The use of sounding poll frame violates this rule | Remove the sounding poll frame from this sub-clause. |

**Discussion:**

The comment is mentioning the meaning of the sentence “NDP shall be the only VHT sounding format” written in 22.3.13. This comment seems to come from misinterpretation of the word; The sentence should be interpreted as only NDP PPDU is used for channel estimations.

**Proposed Resolution:**

Agree in principle. “Sounding Poll” frame will not be removed, but the name of the frame needs to be changed to "Beamforming Report Poll" frame for clarification.

**Editing Instruction:**

***TGac editor: change the frame name from "Sounding Poll" to "Beamforming Report Poll" throughout.***

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| 1194 | 9.21.5 | 59 | 14 | TR | "A beamformer shall only poll an SU only beamformee if it received at least one segment of the feedback from the beamformee." - I think there's something missing here | Add conditions as to why it might want to poll the beamformee.Also note "shall only <verb> if <condition>" is always wrong. Reword "shall <verb> only if <condition>" |

**Discussion:**

The sentence is clarified in 11/0349r2. The modified sentence is now “A beamformer shall not transmit a Sounding Poll frame to a SU only beamformee unless it has received at least one segment of the VHT Compressed Beamforming frame from the beamformee.”

**Proposed Resolution:**

Agree in principle. The comment is already resolved in 11/0349r2.