IEEE P802.11
Wireless LANs

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| P802.11ah CC9 Comment Resolutions for subclause 7.3 |
| Date: 2013-09-18 |
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Abstract

These domument proposes resolutions for following comments of P802.11ah D0.1 Comment Correction (CC9) [1].

PHY CID: 572, 573, 574, 575, 577

R0: Initial

R1: Change all resolutions to “Revised” by discussion in Sep. 17th PHY ad-hoc.

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** |
| --- | --- | --- | --- | --- |
| 572 | 24 | 7.3.4.5 | Table 7-4 in subclause 7.3.4.5 shall be modified to support S1G MU PPDUs as same optional filtering based on the GroupID as VHT STA (22.3.21) is supported in S1G STA. | Modify the last sentences of "Value" column of "PARTIAL\_AID\_LIST\_GID00" and "PARTIAL\_AID\_LIST\_GID63" as follows:---The settings of the PARTIAL\_AID are specified in 9.17a (Group ID and partial AID in VHT PPDUs) for VHT STA and specified in 9.17b (Group ID and partial AID in S1G PPDUs) for S1G STA. |
| 573 | 24 | 7.3.5.2.2 | The USER\_INDEX parameter of PHY-DATA.request is also present for an S1G MU PPDU | Modify the last paragraph of 7.3.5.2.2 as follows:---The USER\_INDEX parameter (typically identified as u for a VHT STA, a TVHT STA and an S1G STA; see NOTE 1 at the end of Table 22-1, Table 23-1 and Table 24-1 respectively) is present for a VHT MU PPDU, a TVHT MU PPDU and an S1G MU PPDU, and indicates the index of the user in the TXVECTOR to which the accompanying DATA octet applies; otherwise not present. |
| 574 | 24 | 7.3.5.3.3 | An S1G PPDU also provides aRxPHYDelay as same as a VHT PPDU. | Modify the subclause 7.3.5.3.3 as follows:---The PHY-DATA.indication primitive is generated by a receiving PHY entity to transfer the received octet of data to the local MAC entity. For a VHT PPDU, a TVHT PPDU and an S1G PPDU, the time between receipt of the last bit of the last provided octet from the WM and the receipt of this primitive by the MAC entity is aRxPHYDelay. Otherwise, the time between receipt of the last bit of the provided octet from the WM and the receipt of this primitive by the MAC entity is the sum of aRxRFDelay + aRxPLCPDelay. |
| 575 | 24 | 7.3.5.6.3 | For S1G PPDU, the condition to generate PHY-TXSTART.confirm is as same as VHT PPDU. | Modify the 1st phrase of the 2nd bullet in 7.3.5.6.3 as follows:----When transmitting a PPDU other than VHT, TVHT, nor S1G, |
| 577 | 24 | 7.3.5.13.2 | The NOTE in the subclause 7.3.5.13.2 needs to be updated for S1G STA. | Modify the NOTE associated with the list of error conditions in subclause 7.3.5.13.2 as follows:---NOTE--The filtered condition might occur in a VHT STA, a TVHT STA and an S1G STA due to GROUP\_ID or PARTIAL\_AID filtering in the PHY layer. |

**Discussion**

These comments point out the VHT PHY features that are also supported by the S1G PHY.

Propsed changes add “S1G STA” or “S1G PPDU” in parallel to “VHT STA” or “VHT PPDU” respectively.

A proposed changes of CID 578 adds a new subclause 4.3.10c (Sub 1GHz (S1G) STA) similar to subclause 4.3.10b (Television very high throughput (TVHT)STA) that specify following replacements for clause 7.

* “S1G PPDU” replaces “VHT PPDU”
* “S1G-MCS” replaces “VHT-MCS”

With these replacements, existing texts of clause 7 describe the features and behaviors of the S1G STA. It will become unnecessary to amend subclauses specified by these comments.

Proposed Resolution:

Reject:

Revised:

No changes to the P802.11ah draft.

While CID 578 was rejected in 11-13/1140r1 [2] at this time, the commenter will re-submit the similar comment in the initial letter ballot with detailed propsed resolution.

**References:**

[1] IEEE 802.11-13/0701r7 “TGah CC9 comments on D0.1”

[2] IEEE 802.11-13/1140r1 “CC9-Resolution-CIDs-499+”