IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Comment Resolutions for 9.7.4, 9.7.5 | | | | |
| Date: 2014-09-16 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu | Marvell |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This submission proposes comment resolutions for subclause 9.7.4, 9.7.5:

3773, 3944, 3378, 3774, 3907*.*

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.***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause Num** | **P** | **L** | **Comment** | **Propose Change** | **Resolution** |
| 3773 | 9.7.4 | 238 | 21 | The mesh functionality in S1G is not complete in 11ah draft 2.0. | Remove S1G mesh here and through the draft. | Revise  Discussion: generally agree with the comment.  TGah editor makes the changes indicated in 11-14/1241r0 under CID 3773, 3944 |
| 3944 | 9.7.4 | 238 | 21 | According to the Annex B.4.3 (ITU configuration), \*CF21 Mesh station is not supported by an S1G STA (P488L21). So, amendments related to the mesh STA are redundant. | 1) Delete the amendment to the subclause 9.7.4. 2) Delete the amendments to the bullet g) of the subclause 11.4.3.4.4 (PN and replay detection) (P348L46). | Revise  Discussion: generally agree with the comment.  TGah editor makes the changes indicated in 11-14/1241r0 under CID 3773, 3944 |

**9.7.4 Basic Rate Set and Basic MCS Set for mesh STA**

***TGah editor: remove the changes from 9.7.4 for S1G STA (CID 3773, 3944):***

11.4.3.4.4 PN and replay detection

TGah editor: Changebullet g) in subclause11.4.3.4.4 as follows(CID 3773, 3944):

g)If dot11RSNAProtectedManagementFramesActivated is true and dot11MeshSecurityActivated is true, the recipient shall maintain a single replay counter for received group addressed robust Management frames that do not use the QMF service and shall use the PN from the received frame to detect replays. If dot11QMFActivated is also true, the recipient shall maintain an additional replay counter for each ACI for received group addressed Robust Management frames that use the QMF service. The QMF receiver shall use the ACI encoded in the Sequence Number field of the received frame to select the replay counter to use for the received frame, and shall use the PN from the received frame to detect replays. A replayed frame occurs when the PN from the frame is less than or equal to the value of the management frame replay counter that corresponds to the ACI of the frame. The transmitter shall preserve the order of protected robust Management frames transmitted to the same DA without the QMF service. When the QMF service is used, the transmitter shall not reorder robust GQMFs within an AC when the frames are transmitted to the same RA.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause Num** | **P** | **L** | **Comment** | **Propose Change** | **Resolution** |
| 3378 | 9.7.5.1 | 238 | 36 | PSMP is not supported by S1G STAs so there is no need to list this condition. Remove "non-STBC PSMP frames" | As in comment. | Revise  Discussion: Generally agree with the comment.  TGah editor makes the changes indicated in 11-14/1241r0 under CID 3378 |
| 3774 | 9.7.5.1 | 238 | 37 | Non-HT PPDU is used to transmit Beacons. Why is duplicate Beacon used in 11ah? | Clarify it. | Reject  Discussion: In a SST BSS, duplicate beacon may be transmitted. |
| 3907 | 9.7.5.3 | 238 | 64 | better wording | change "using one of the" to "using an MCS and NSS from one of the" | Accept |

**9.7.5.1 Rate selection for non-STBC Beacon and non-STBC PSMP frames**

***TGah editor: Insert the following at the beginning of 9.7.5.1 as follows (CID 3378, 3774):***

For an S1G STA, non-STBC S1G Beacon frames shall be transmitted in an S1G 1 MHz PPDU, an S1G 2 MHz PPDU with short preamble, an S1G 1 MHz Duplicated PPDU or an S1G 2 MHz Duplicated PPDU with short preamble using one of the mandatory PHY rates.