IEEE P802.11
Wireless LANs

|  |
| --- |
| Comment Resolutions for 9.3.6  |
| Date: 2014-09-16 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu | Marvell |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This submission proposes comment resolutions for subclause 9.3.6:

3768, 3769, 3770*.*

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** |
| 3768 | 9.3.6 | 237 | 17 | Change to "no RTS/(NDP)CTS or RTS/DMG CTS exchange shall be used" | As in comment. |  ReviseDiscussion: GATS is not supported in S1G band. So no RTS/(NDP)CTS is true for S1G band. TGah editor makes changes indicated in 11-14/1240r2 under CID 3768 |
| 3769 | 9.3.6 | 237 | 9 | The procedure of transmitting group frames from relay STA to relay AP then to STAs is not defined. | Provide the procedure. | ReviseDiscussion: generally agree with the comment.TGah editor makes the changes indicated in 11-14/1240r2 under CID 3769 |
| 3770 | 9.3.6 | 237 | 33 | "......using either a 4-address frame format or an A-MSDU format as specified in 9.49.4 (Addressing and forwarding of group addressed relay frames)."Why short frame format is disallowed here? | Add short frame here. | ReviseDiscussion: generally agree with the comment.TGah editor makes the changes indicated in 11-14/1240r2 under CID 3770 |

**9.3.6 Group addressed MPDU transfer procedure**

***TGah editor: Change 1st paragraphs of the sub-clause 9.3.6 as the following :***

When a STA transmits group addressed MPDUs in which the To DS field is 0, the STA shall use the basic access procedure, unless these MPDUs are delivered using PCF or using the group addressed transmission service (GATS). When group addressed MPDUs are not delivered using GATS, no RTS/(NDP)CTS (CID3768) or RTS/DMG CTS exchange shall be used, regardless of the length of the frame. In addition, no Ack frame shall be transmitted by any of the recipients of the frame. Any group addressed MPDUs in which the To DS field is 1 transmitted by a STA shall, in addition to conforming to the basic access procedure of CSMA/CA, obey the rules for RTS/CTS exchange and the Ack procedure because the MPDU is directed to the AP. For DMG STAs, the MPDU transmission shall also conform to the access procedures defined in 9.36 (DMG channel access). When dot11SSPNInterfaceActivated is true, an AP shall distribute the group addressed message into the BSS only if dot11NonAPStationAuthSourceMulticast in the dot11InterworkingEntry identified by the source MAC address in the received message is true. When dot11SSPNInterfaceActivated is false, an AP shall distribute the group addressed message ~~shall be distributed~~ into the BSS except when dot11RelayAPOperation is true and the group addressed message is received from a STA, in which case, the group addressed message shall not be distributed into the BSS and it shall be forwarded to the relaySTA(#3436) in the same relay(#3434). The relay STA(#3436) shall send the group addressed message to the associated AP as an individually addressed frame using either a 4-address frame format (PV0 or PV1) (3770) or an A-MSDU format as specified in 9.42h.4 (Addressing and forwarding of group addressed relay frames). Unless the MPDU is delivered via DMS, the STA originating the message receives the message as a group addressed message (prior to any filtering). Therefore, a STA shall filter out group addressed messages that contain their address as the source address. When dot11SSPNInterfaceActivated is false, group addressed MSDUs shall be propagated throughout the ESS. When dot11SSPNInterfaceActivated is true, group addressed MSDUs shall be propagated throughout the ESS only if dot11NonAPStationAuthSourceMulticast in the dot11InterworkingEntry identified by the source MAC address in the received message is true.

***TGah editor: Change the last paragraphs of the sub-clause 9.3.6 as the following(CID 3669):***

A STA that is not a relay STA shall discard an MPDU with a group address in the Address 1 field if the value in the Address 1 field does not match any value in the dot11GroupAddressesTable and does not match the Broadcast address value. A relay STA shall forward an MPDU with any group address in the Address 1 field originated from its associated AP to the relay AP.