IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Resolution for CID 9058 and 9075 | | | | |
| Date: 2016-03-15 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Xiaofei WANG | InterDigital Communications, Inc. | 2 Huntington Quadrangle Melville, NY 11747 | +1.631.622.4028 | xiaofei.wang@interdigital.com |
| Rui Yang |
| Joseph Levy |

Abstract

This document provides proposed text changes to the draft as a result of comment resolution for CID 9058 and 9075. These comments address clauses 9 and 10. The baseline for this comment resolution document is 802.11ah Draft 6.0.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause Number** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 9058 | 0 | 0 | 0 | Resolution to i-459 is incorrect. The comment identifies a specific technical problem and a specific technical solution. The assertion in the resolution is thus false. No valid technical reason for rejecting the commenter's proposed change is given. | Include the specification requested, an alternate technical change to satisfy the comment, or record a valid technical reason why no change is required to the draft. | Revised: a technical solution has been provided.  Instruction to editor:  Please modify the text according to the changes indicated in 11-16/0446r2 under CID 9058 and 9075. |
| 9075 | 10.51.2 | 333 | 41 | CID 8459 was rejected based on "non specific technical details have been provided". The original comment was "An S1G relay AP may control the number of relays using No More Relay Flag, however, there does not seem to be any control on how many STAs each relay is allowed to associate. When it comes to controlling relayed traffic flow, it matters how many relays there are and how many STAs are associated with each relay. A limit on the number of STAs that each relay is allowed to associate should be considered." If needed, a presentation to the group can be submitted to explain the technical problem. | Will provide a submission if desired. | Revised: an optional Number of STAs field has been added to the Relay Activation element.  Instruction to editor:  Please modify the text according to the changes indicated in 11-16/0446r2 under CID 9058 and 9075. |

**Red Lined Text Changes for the Proposed Resolutions:**

**CID 9058 and 9075**

**Instructions for Editor: please modify Figure 9-586br as follows:**

Add one more field after “Relay Function” field with the name “Number of STAs” with length being “0 or 1” octet.

**Instructions for Editor: please modify Figure 9-586bs as follows:**

Change B3 from reserved to the name “Number of STAs Presence Indicator” with length being 1 bit. Change B4-B7 to “Reserved” with length being “4” bits.

**Instructions for the Editor: please insert the following text at Line 28 Page 176:**

When the S1G Relay Activation element is sent by an AP, the Number of STAs Presence Indicator subfield is set to 1 to indicate that a Number of STAs field is included in the S1G Relay Activation element. Otherwise, it is set to 0.

The Number of STAs field is one octet in length. It contains an 8-bit unsigned integer and it is used to calculate the maximal number of STAs that an AP in a relay is allowed to associate, NAllowed, when it is included in a Relay Activation element transmitted by an AP to the non-AP STA in the same relay. The maximal number of STAs that an AP in a relay is allowed to associate, NAllowed, is calculated as:

NAllowed = NSTA × 32

where

NSTA is the value contained in the Number of STAs field.

**Instructions for Editor: please insert the following text at Line 16 Page 334:**

An AP may indicate the maximal number of STAs that an AP in a relay is allowed to associate by including a Number of STAs field in a S1G Relay Activation element transmitted to the non-AP STA in the relay with the Enable Relay Function subfield equal to 1.

**Instructions for Editor: please insert the following text at Line 55 Page 334:**

An S1G Relay AP shall refuse association requests from a STA if it has associated to it the maximal allowed number of STAs as indicated by the Number of STAs field in the latest S1G Relay Activation element received from its parent AP with Enable Relay Function subfield equal to1.

**References:**

1. **IEEE P802.11ah™/D6.0, February 2016**