IEEE P802.11  
Wireless LANs

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| Comment Resolution for MAC CID 542, 831 | | | | |
| Date: 2013-09-12 | | | | |
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Abstract

This document provides resolution for CID 542 and CID 831.

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| **CID** | **P** | **L** | **Sub C.** | **Comment** | **Propose Change** | **Resolution** |
| 542 | 147 | 45 | 9.32j | As no TIM Segmentation capability negotiation mechanism is provided, non-AP S1G STA shall be able to follow the TIM Segmentation rules. | Modify second paragraph of subclause 9.32j as following. --- non-AP STAs with a dot11S1GOptionImplemented set to true shall be able to follow the TIM Segmentation rules. | Revised: We define the capability bit for S1G STAs.  TGah editor to make changes shown in 11-13-1141-00-00ah |
| 831 | 91.00 | 18 | 8.4.1.170k | Many S1G capabilities for S1G protocols indications are missing. | Add to S1G capability element: RAW Support, corresponding capabilties for the followng MIBs: dot11AuthenticatonControlActivated, dot11TIMSegmentationCapability and specify in each section that the corresponding mechanism is enabled based on corresponding capability indication. | Revised:  TGah editor to make changes shown in 11-13-1141-00-00ah |

**9.19.4a.1 General**

*Instruction to editor: Please add the following paragraphs to section 9.19.4a.1 before [P130L1]:*

An S1G STA with dot11RAWOperationSupported set to true shall set the RAW Operation Support field in the S1G Capabilities element to 1. An S1G STA with dot11RAWOperationSupported set to false shall set the RAW Operation Supportfield in the S1G Capabilities element to 0.

A non-AP STA with dot11RAWOperationSupported set to true shall be able to follow the RAW procedure as described in this subclause.

An AP shall not include the STAs with RAW Operation Support field set to 0 in any RAW Groups.

**9.32j TIM and Page segmentation**

*Instrubction to editor: Please edit the following line of section 9.32j [P147L45]:*

An S1G STA with dot11TIMSegmentationCapability set to true shall set the TIM Segmentation Support field in the

S1G Capabilities element to 1. An S1G STA with dot11TIMSegmentationCapability set to false shall set the TIM Segmentation Support field in the S1G Capabilities element to 0.

An S1G STA with dot11TIMSegmentationCapability set to true shall follow the TIM Segmentation rules as described in this subclause.

*Instrubction to editor: Please add the following subclause:*

***9.xx Traveling Pilot Operation***

An S1G STA with dot11TravelingPilotCapability set to true shall set the Traveling Pilot Support field in the

S1G Capabilities element to 1. An S1G STA with dot11TravelingPilotCapability set to false shall set the Traveling Pilot Support field in the S1G Capabilities element to 0.

An S1G STA shall not transmit a frame with TXVECTOR parameter DOPPLER set to 1 to an S1G STA unless the Traveling Pilot Support field of the most recent S1G Capabilities element received from that STA contained a value of 1 and dot11TravelingPilotCapability is true.

**8.4.2.170k.2 S1G Capabilities info field**

*Instruction to editor: Please add the following to the table Table 8-191d—Subfields of the S1G Capabilities Info field:*

|  |  |  |
| --- | --- | --- |
| *TIM Segmentation Support* | *This bit indicates support of TIM Segmentation as described in section 9.32j* | *Set to 1 if* dot11TIMSegmentationCapability is true.  Set to 0 otherwise. |
| *RAW Operation Support* | *This bit indicates support of RAW Participating as described in section 9.19.4a.1* | *Set to 1 if* dot11RAWOperationSupported is true.  Set to 0 otherwise. |
| *Traveling Pilot Support* | *This bit indicates support of Traveling Pilot as described in 24.3.9.10* | *Set to 1 if dot11TravelingPilotCapability is true.*  *Set to 0 otherwiese* |