IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Proposed Resolution Text for CID 7103 | | | | |
| Date: 2015-1-13 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Santosh Abraham | Qualcomm Inc. | 5775 Morehouse Drive, San Diego, CA 92121 |  | sabraham@qti.qualcomm.com |
|  |  |  |  |  |

Abstract

This document presents resolutions to CID 7103

* Action frame format details
* Public Action details
* Public Action frames

***Insert new row into table as follows, making appropriate adjustment to value of “Reserved”***

|  |  |
| --- | --- |
| * Public Action field values | |
| Public Action field value | Description |
| 34 | FILS Discovery |

**Resolution to CID 7103**

***Instruction to Editor: Add the underlined to section 10.45.3***

**10.45.3 Higher layer setup during (re)association procedure**

Higher layer setup, such as IP layer setup, may be performed during a STA’s FILS (re)association procedure. Two mechanisms are provided for higher layer setup. One is the higher layer protocol (HLP) encapsulation. The HLP encapsulation, described in clause 10.45.3.1 (Higher layer protocol encapsulation), shall be supported by all FILS STAs. The other is the FILS IP address configuration. This is optional for FILS STAs and described in clause 10.45.3.2 (FILS IP address configuration). FILS IP address configuration is used to reduce the overhead caused by using the DHCP for the IP address assignment. However, FILS IP Address Assignment method provides only a subset of features supported by the DHCP. The AP advertises whether it supports the FILS IP address configuration or not by the FILS IP address configuration in the FILS Indication element (8.4.2.179 (FILS Indication element)) in Beacon and Probe Response frames. In addition, the AP may indicate the IP subnet using the the Subnet ID token which can allow STAs to make a better determination of whether to request an IP address assignment or reassignment.

NOTE—The non-AP STA can use the following methods to obtain an IP address. (1) FILS IP address configuration, if  
supported by the AP. (2) Encapsulating higher layer protocols during association.

Higher layer setup information in Association Request, Association Response, Reassociation Request and  
Reassociation Response frames shall be protected by the AEAD scheme (11.11.2.6 (AEAD cipher mode for FILS)).