IEEE P802.11  
Wireless LANs

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| --- | --- | --- | --- | --- |
| Resolution CID 10002 10039 10040 | | | | |
| Date: 2015-10-15 | | | | |
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Abstract

This submission addresses CIDs 100039 and 10040

*Note: This document assumes changes proposed in 11-15/1244/r3*

|  |  |  |  |
| --- | --- | --- | --- |
| CID | Comment | Proposed Change | Proposed Resolution |
| 10002 | What is the definition of the "IP Address Type"? Is this the same as the IP Address Data in 8.4.2.180.1? If not, it's not clear how the "IP Address Type " is used within the document and this needs to be defined. | Change "IP Address Type" to "IP Address Data" and add a forward reference to 8.4.2.180.1 (see below) | Revised: Accept resolution presented in 11-15/1440/r0 |
| 10039 | Get rid of the hash domain name stuff | Remove step 7 | Revised: Accept resolutions in 15/1440/r0 |
| 10040 | These are not “Domain Identifiers”, they indicate supported “realms” for EAP-RP. | Reword the “Domain Identifier” portions of this section to indicate supported “realms” for EAP-RP. Don’t indicate “Hashed Domain Names”, indicate hashed realms. | Revised: Accept resolutions in 15/1440/r0 |

***Instruct the editor to modify section 8.4.2.178 as indicated:***

**8.4.2.178 FILS Indication element**

***Modify Figure 8-577m as follows***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | B0 B2 | B3 B5 | B6 | B7 | B8 | B9-B15 |
|  | Number of  Public Key  Identifiers | Number of  ~~Domain~~ Realm Identifiers | FILS IP  Address  Configuration | Cache Supported | More Realms Field | Reserved |
| Bits | 3 | 3 | 1 | 1 | 1 | 7 |

**Figure 8-577m—** **FILS Information field definition**

***Add the following after line 59 on page 71 of 11ai Draft 6.0***

The More Realms Field when set indicates that information on more Realms can be obtained using ANQP.

8.4.5.22 FILS ~~Domain~~ Realm Information ANQP-element

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  | Info ID | Length | ~~Domain~~ Realm Identifer #1 | …. | ~~Domain~~ Realm Identifer #n |
| Octets | 2 | 2 | 2 |  | 2 |

Figure 8-607d—FILS Domain Information ANQP-element format

The FILS ~~Domain~~ Realm Information ANQP-element provides a list of realm identifiers ~~about the domains and the corresponding IP address types.~~The Info ID field and Length fields are defined in 8.4.4.1 (General).  
The ~~Domain~~ Realm Identifier field is defined in Figure 8-577n (Domain Identifier field).

**10.47.4 FILS authentication and higher layer setup capability indications**

*Modify the clause (after updates from 15/1244/r3)* *as shown in the highlighted below.*

A FILS AP shall include a FILS Indication element in Beacon and Probe Response frames, and may include a FILS Indication element in FILS Discovery frames. The FILS Indication element indicates properties of the FILS authentication protocol used, whether the AP performs IP address assignment~~, and the IP address type.~~  The FILS indication element also indicates if realm information may be obtained using ANQP.

An AP can indicate up to 7 realms that indicate the domain name of the server that the AP is capable of participating in an EAP-RP exchange with (see RFC 6696). . When more than 7 realms are available, the FILS Realm Information ANQP-element (cl. 8.4.5.22) can be requested to get the full list of realm hash values. The realm of an EAP-RP server is the realm portion of the keyName-NAIas defined in IETF RFC 6696. For each of the realms, the FILS Indication element carries a 2-octet hash of the network realm~~and the IP address type of the corresponding domain.~~ The hash of the realm (IETF RFC 1035 compliant) is computed as follows:

NOTE— Internationalized domain names are first converted to an IETF RFC 1035 compliant ASCII form using the

operations defined in IETF RFC 3490.