IEEE P802.11
Wireless LANs

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| MLME-AUTHENTICATE text proposal for TGai |
| Date: 2015-07-05 |
| Author(s): |
| Name | Company | Address | Phone | email |
| Mark Hamilton | Ruckus Wireless | 350 W. Java DriveSunnyvale, CA 94089 | +1 303 818 8472 | mark.hamilton@ruckuswireless.com |
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Abstract

This submission contains a proposed comment resolution for TGai LB 213 CID 8026:

R0 – Initial proposal.

# CID 6155

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| --- | --- | --- | --- | --- |
| 8026 | 21.32 | 6.3.5.5 | CID 7144 (on the last ballot) was apparently too confusing. The intent of the comment was: The MLME-AUTHENTICATE service needs to have changes to the .indication primitive. There are new parameters in the MLME-AUTHENTICATE.request (and carried in the Authenticate frames): FILSWrappedData and PMKIDList. So, the MLME-AUTHENTICATE.indication primitive needs to be modified by 11ai to add these parameters in the indication to the AP's SME, to complete the transfer of the information to the AP, at Authentication request. | Add a clause that modifies the MLME-AUTHENTICATE.indication primitive, to add the FLISWrappedData and PMKIDListt parameters. |

**Discussion:**

TGai modifies the MLME-AUTHENTICATE.request primitive, to add two new parameters: FILSWrappedData and PMKIDList. Per Table 8-36, the elements derived from these parameters are carried in the Authentication frame with transaction sequence number 1, which is transmitted by the Authentication requester. Finally, 11.11.2.3 discusses how the receiving AP processes and uses the FILS Wrapped Data and the PMKID List that are received in the Authentication frame. Thus, these parameters need to be provided in the MLME-AUTHENTICATE.indication at the AP.

**Proposed changes:**

Insert the following subclause changes, after 6.3.5.3:

6.3.5.4 MLME-AUTHENTICATE.indication

**6.3.5.4.2 Semantics of the service primitive**

***Change the primitive parameter list and insert new rows (ignoring the header row) in the associated table***

***as follows:***

MLME-AUTHENTICATE.request(

PeerSTAAddress,

AuthenticationType,

AuthenticateFailureTimeout,

Content of FT Authentication elements,

Content of SAE Authentication frame,

Multi-band local,

Multi-band peer,

FILSWrappedData,

PMKIDList,

VendorSpecificInfo

)

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| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| FILSWrapped  | As defined in8.4.2.183 (FILSWrapped Data element) | As defined in 8.4.2.183(FILS Wrapped Dataelement) | Data Data used by the FILS authenticationalgorithm. Thisparameter is optionally presentif dot11FILSActivated is true;otherwise not present. |
| PMKIDList | PMKID List element | As defined in 8.4.2.185(PMKID List element) | Data used by the FILS authenticationalgorithm. Thisparameter is optionally presentif dot11FILSActivated is true;otherwise not present. |

**Proposed resolution: Revised**

Make the changes as shown in 11-15/0783r0.