IEEE P802.11 Wireless LANs

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| Proposed Clarifications for Section 6.3 |
| Date: 2013-09-10 |
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Abstract

This submission proposes clarifications for Section 6.3 for a consistent usage for the FILS parameters with the condition of dot11FILSActivated, as a proposed resolution to a comment submitted to IEEE 802.11 Working Group Technical Letter Ballot 198 for 802.11ai Draft 1.0.

# Introduction

As a response to IEEE 802.11 Working Group Technical Letter Ballot 198 for 802.11ai Draft 1.0, the following comment is submitted:

***Comment****: line 10 on page 11, Section 6.3.3.3.2*

*When we introduce new parameters into existing MLME SAP Primitives, we should clearly specify those new parameters are presented when dot11FILSActivated is true, such that those parameters are clearly identified/specified even after 11ai is rolled into the baseline spec.*

*Section 6.3 in 11ai/D1.0 is inconsistent regarding this issue, e.g., it is clearly specified in the Table in line 1 page 10, but it is not specified in other places, e.g., in the Table in line 10 page 11.*

*suggest to consistently use the condition "dot11FILSActivated" in section 6.3..*

This contribution proposes a resolution to the above comment.

# Conventions

In this contribution, the proposed 802.11ai Specification Document text will be presented as changes to the current TGai draft specification, 11ai/D1.0[Ref-2]. The following format conventions are used:

1. The new added text is marked as blue underline text;
2. The deleted text is marked as ~~red strikethrough text~~;
3. The unchanged baseline standard text stays in black text in the context of proposed TGai specification text;
4. The editorial instruction is marked as *italic text highlighted by Yellow*; and
5. Any other text, e.g., discussions, proposed motions, etc., is in black text, but not in the context of proposed TGai specification text.

# Discussions of the Proposed Resolution

The proposed resolution is to add the condition of *"dot11FILSActivated"* to the parameters introduced by 11ai (FILS) in Section 6.3. The details are listed in Section 4 of this contribution.

# Proposed Changes to 802.11ai/D1.0 Specification Text

*Instructions to Editor: make the following changes to the Description text in line 10 page 11.*

The ANQP Configuration Sequence Number of the found BSS. This parameter is optionally present when dot11FILSActivated is true.

*Instructions to Editor: make the following changes to the Description text in line 13 page 11.*

Includes ILSC information field and ILS Time field;

This parameter is ~~optional~~ optionally present when dot11FILSActivated is true.

*Instructions to Editor: make the following changes to the Description text in line 23 page 14.*

Specifies the type of traffic for a device to transmit;

This parameter is optionally present when dot11FILSActivated is true.

*Instructions to Editor: make the following changes to the Description text in line 23 page 14.*

Used for the STA and AP to communicate data used by the FILS authentication algorithm;

This parameter is present when dot11FILSActivated is true.

*Instructions to Editor: make the following changes to the Description text in line 7 page 15.*

Used for the STA and AP to communicate data used by the FILS authentication algorithm;

This parameter is present when dot11FILSActivated is true.

*Instructions to Editor: make the following changes to the Description text in line 46 page 15.*

Used for the STA and AP to communicate data used by the FILS authentication algorithm;

This parameter is present when dot11FILSActivated is true.

*Instructions to Editor: make the following changes to the Description text in line 46 page 16.*

Specifies the type of traffic for a device to transmit;

This parameter is optionally present when dot11FILSActivated is true.

# References

1. IEEE Std 802.11mc/D1.5
2. IEEE Std 802.11ai/D1.0