IEEE P802.11 Wireless LANs

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| Proposed Resolution for Comments CID 250 and CID 251 |
| Date:2013-03-20 |
| Author(s): |
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Abstract

This submission proposes a resolution to the Comments, CID 250 and CID 251, in the TGai/D0.2 review comments database, regarding the security field in FILS Discovery frame.

# Introduction

In TGai/D0.2 review comment database, 13/0036r9 [Ref-4], The Comments of CID 250 and CID 251 are as follows:

***CID 250 Comment: by Lei Wang (11-13-008r0)***

*Security field in FD frame needs to be defined.*

***Proposed change:***

*a separate contribution will be submitted by the commenter to define the security field in the FD frame.*

***CID 251 Comment: by David Goodall(11-13-0016r0)***

*The FD Security field is not yet defined.*

***Proposed change:***

*Provide a definition of the FD Security field.*

Note that both above comments identify that the FD Security field is missing and suggest that a definition of FD Security field should be provided. This contribution proposes a detailed definition of the FD Security field, as a proposed resolution to Comments, CID 250 and 251.

# Conventions

In this contribution, the proposed 802.11ai Specification Document text will be presented as modifications to the TGai draft specification 802.11ai/D0.4[Ref-3]. 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*;
5. The quoted TGai SFD text is marked as *green italic text*; and
6. Any other text, e.g., discussions, proposed motions, etc., is in black text, but not in the context of proposed TGai specification text.

# Discussions

This contribution proposes the following:

1. Change the FD Security field to RSN Element as defined in subsection 8.4.2.27, which contains the security indications for STAs that need to use legacy 802.11 authentication schemes;
2. Add the FILS Indication element, as defined in subsectio8.4.2.186, to FD frame, for the STAs that use the FILS authentication.

# Proposed 802.11ai Specification Text

The following proposed 802.11ai Specification Document text will be presented as modifications to the TGai draft specification 802.11ai/D0.4 [Ref-3].

*Instructions to Editor: make the following changes in Table 8-221f in line 20 to line 27 on page 40 in Section 8.5.8.34, in the TGai draft specification 802.11ai/D0.4 :*

**Table 8-221f — FILS Discovery frame format**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| ...... |  |  |
| 9 | ~~FD~~ ~~Security~~ RSNE  | The RSNE, as specified in 8.4.2.27, is optionally present in FD frame generated by STAs that have dot11RSNAActivated equal to true. ~~It is an optional field in the FD frame. Its presence is indicated by an 1-bit Security Presence Indicator in the FD Frame Control.~~ |
| 10 | Reduced Neighbour Report | The Reduced Neighbor Report element ~~field~~, as specified in 8.4.2.175, is optionally present. |
| 11 | FILS Indication | The FILS Indication element, as specified in 8.4.2.186, is optionally present. |
| ...... |  |  |

*Instructions to Editor: make the following changes in the box of “Security presence indicator” in Figure 8-460o, in line 55 on page 40 in Section 8.5.8.34, in the TGai draft specification 802.11ai/D0.4 :*

~~Security~~ ~~presence indicator~~ Reserved

# Straw-Polls and Motions

The following lists the draft straw-polls and motions that are intended to present to the TGai Group in next Face-to-Face meeting.

**Motion-1:**Accept the text proposed in Section 4 of this contribution (13/0272r2) as the resolution to Comments, CID 250 and CID 251, in TGai review comment database (13/0036r9).

Yes: \_\_\_\_\_\_\_\_\_\_\_\_; No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; Abstain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Move:

Second:

# References:

1. 11-12-0151-15-00ai-Proposed-Specification-Framework-Document.docx
2. IEEE Std 802.11 – 2012
3. IEEE Std 802.11ai/D0.4
4. 11-13-0036-09-00ai-tgai-draft-review-combined-comments