IEEE P802.11 Wireless LANs

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| Proposed Resolution for Comments, CID 150, 151, and 248 |
| Date:2013-03-20 |
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Abstract

This submission proposes a resolution to the Comments, CID 150, 151, and 248, in the TGai/D0.2 review comments database.

# Introduction

In TGai/D0.2 review comment database, 13/0036r9 [Ref-4], for the three comments with CIDs, 150, 151, and 248, the proposed resolutions are provided in contribution, 13/0193 and its revisions, with colour-coded change marks. However, it has been suggested that the colour-coded change marks won’t be able to incorporated in the 802.11 comment database. Therefore, this contribution is to present the proposed resolutions in Microsoft Word format.

# Conventions

In this contribution, the proposed 802.11ai Specification Document text will be presented as modifications to the TGai draft specification 802.11ai/D0.3[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.

# 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].

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| --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Comment** | **Proposed Change** | **Resolution** |
| 150 | Jarkko Kneckt (11-13-0018r0) | The FD frames transmission rules are repeated twice. There is very little difference between the periodicla and non-periodical transmission mode. Also the receiver cannot detect the transmission mode that is used for the FD frames, so the definition of the two modes is confusing. | Delete the lines 14 - 18. Delete the first condition from the line 20. Write the text: "The FD frame shall not be..." | Suggest the following resolution: change the text in line 20 to line 30 on page 64, Section 10.25.2, in 802.11ai/D0.3, as follows:The FILS Discovery frame may be transmitted between Beacon frame instances. ~~periodically and/or nonperiodically. If transmitted periodically, the periodicity of the FILS Discovery Frame may be changed; and the~~ The interval between Beacon frame and the FILS Discovery frame and the interval betwee two FILS Discovery frames shall be no less than dot11FILSFDframeBeaconMinimumInterval.~~If the FILS Discovery frame is transmitted non-periodically, the FD frame shall not be transmitted during dot11FILSFDframeBeaconMinimumInterval before the TBTT of the transmitter or after the Beacon frame transmission.~~ |
| 151 | Jarkko Kneckt (11-13-0018r0) | The sentence and description is bad language. The reception of the frame includes the decoding of hte frame.  | Change to: "... True receives a FD frame and if the SSID in the ..." | Accept, i.e., change the first two lines of the paragraph as follows:During scanning, when a STA with dot11FILSActivated equal to true receives, ~~and decodes a FILS Discovery frame, it uses the information in the FILS Discovery frame as follows:~~ if the SSID in the FD frame .... |
| 248 | Jarkko Kneckt (11-13-0018r0) | The Tus to the next TBTT of the AP is hard to maintain and handling of the field requires new implementation. The TSF value is present in the probe request and Beacon frame and it has been agreed that at the step 0 a DTIM Beacon is trnasmitted. To simplif the implementation, the TSF of the STA should be transmitted, not the ANT field. | Change the ANT field to TSF field.  | propose to reject this comment, for the following main reasons:1. Time offset values have been used in many technologies / standards in wireless communications, which has been proven is a practical solution;2. In this particular case, using time offset saves 7 bytes than using timestamp. |

# 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 3 of this contribution (13/0363) as the resolution to Comments, CID 150, 151, and 248, 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