IEEE P802.11
Wireless LANs

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| LB207 MAC Resolution to Comments on D4.0 Subclause 4.3.13a.1 and one general comment |
| Date: 2015-02-23 |
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Abstract

This submission proposes resolution to comments on D4.0 subclauses 4.3.13a.1 and general text. There are 5 CIDs addressed: 6112, 6023, 6080, 6063, and 6150

Revision History:

r1: rephrased the resolution text for CID6023

r2: amended responses in resolution table for CID6023 and CID6150

**Interpretation of a Motion to Adopt:** A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGah Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGah Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGah Editor: Editing instructions preceded by “TGah Editor” are instructions to the TGah editor to modify existing material in the TGah draft. As a result of adopting the changes, the TGah editor will execute the instructions rather than copy them to the TGah Draft.***

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 6112 | 9.57 | 4.3.13a.1 | Replace "AP STA" with "AP" | As in comment. | Accept. Instruction to TGah editor: Please Replace "AP STA" with "AP" |
| 6023 | 10.21 | 4.3.13a.1 | "optional support for a sensor STA or non-sensor STA" --- what kind of STAs exist that are neither a sensor STA, nor a non-sensor STA? The two definitions result in disjunct groups. As a result, this line says that the support for any STA is optional. | Delete "a sensor STA or a non-sensor STA and" | Revised. The sentence has been rephrased for clarification. The commenter’s understanding is right that the support of any type of STA is optional. TGah editor to make the changes as shown in 11-15/0278r2 under the heading of CID 6023 |
| 6080 | 10.21 | 4.3.13a.1 | This paragraph does not make sense. I'm not exactly sure what it is trying to say. | Reverting the text to something similar to the version in D3.0 may help. Change "Most S1G features enable either reduction the energy consumption of an STA or increase of the achievable range between an S1G AP and an S1G non-AP STA" to "Most S1G features enable either reduction of the energy consumption of a STA or increase the achievable range between an S1G AP and an S1G non-AP STA". | Revised. Agreed in principle. The identified line no. should be “27” instead of “21”. TGah editor to make the changes as shown in 11-15/0278r2 under the heading of CID 6080 |
| 6063 | 10.33 | 4.3.13a.1 | It is better to state that an S1G STA does not support mesh (MBSS). | "Insert the following text as the last paragraph of 4.3.13a.1.An S1G STA does not support mesh BSS (MBSS)." | Revised. Agreed in principle. TGah editor to make the changes as shown in 11-15/0278r2 under the heading of CID 6063 |

**[CIDs 6023, 6080, 6063]**

**Instruction to TGah editor: Please modify the subclause 4.3.13a.1 (Overview) of TGah D4.0 as follows:**

### 4.3.13a.1 Overview

… …

* … …

 (line 21, pg10)

* Optional support for either a sensor STA~~,~~ or a non-sensor STA~~, and an EL STA~~
* Optional support for an EL STA

\*Note: some NDP CMAC frames are mandatory under certain conditions as indicated in **B.4.4.2 (MAC frames).**

Most S1G features enable either reducing~~tion of~~ the energy consumption of an STA or increasing~~e of~~ the achievable range between an S1G AP and an S1G non-AP STA. The SIG AP can provide either or both of sensor services and offloading services.

An S1G STA is also a QoS STA, but does not support HCCA. An S1G STA is a non-mesh STA.

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 6150 | 1.01 | Several | Regarding CID 3526 from LB203, there are two methods for defining the conformance requirements in the IEEE 802.11 standard. The first is the Protocol Implementation Conformance Statement (PICS) proforma, Annex B of IEEE 802.11-2012. The other is described in section 1.4 "Word Usage" of IEEE 802.11-2012. While there are some entries in the PICS in the TGah draft, there are large gaps where most of the draft has neither any entry in the PICS in Annex B, nor use of any of the conformance terms defined in section 1.4. These are far too numerous to inventory here in a single ballot comment or to file separate comments for each one. | "Review the entire document and revise as appropriate to either include each section or feature described in this draft in the Annex B PICS, or else add the appropriate conformance terms as described in section 1.4. I would prefer to see both, but I recognize that the logistics for this change are significant, so I'm willing to compromise.While there have been instances where this practice has been ignored in past amendments, these gaps continue to cause problems in interpreting those clauses when incompatibilities are encountered. This makes it particularly difficult for implementors or the Wi-Fi Alliance to develop conformance test specifications. It also falls to the TGm to sort out the mess and clean up these poorly specified definitions. So there is a strong desire amongst many members to resolve these issues before a draft is approved in the first place, while TGm works through all of the legacy issues in the existing standard." | Reject. All the features with conformance requirements are deemed to have been included in PICS, Annex B, together with the proper usages of normative words “shall”, “may”, and “should” etc. The assignee will be able to take actions should the commenter can identify the feature that should be included in Annex B or there is any mis-usage of “shall”, “may” etc.  |