IEEE P802.11
Wireless LANs

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| LB189 CIDs for Figure 7.1 |
| Date: 2012-11-14 |
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Abstract

Proposed resolutions for LB 189 CIDs 42, 110, 692, and 992, all dealing with Figure 7.1 on page 34 of draft 2.1. Note that this contribution shows suggested changes from text in P802.11af\_D2.1.

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 TGaf Draft. This introduction is not part of the adopted material.

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

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

**LB189 CIDs 42, 110, 692, and 992:**

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| --- | --- | --- | --- |
| 42 | 7.3.5.11.234.31 | Figure 7-1a doesn't correctly represent non-adjacent single and double width channels, TVHT\_W+W and TVHT\_2W+2W | Add a second Figure where TVHT\_W+W and TVHT2W+2W are correctly marked. |
| 110 | 7.3.5.11.234.47 | In .11ac D3.0 we separated the contiguous and disjoint channel bandwidth cases into two figures. For clarity and consistency, TGaf should follow suit. | Replace figure 7-1a with two figures representing contiguous and disjoint channels. |
| 692 | 7.3.5.11.234.30 | Need two separate figures. | Joe Kwak to provide revised figure(s). |
| 992 | 7.3.5.11.234.47 | Figure 7-1a doesn't correctly represent non-adjacent single and double width channels, TVHT\_W+W and TVHT\_2W+2W | Add a second Figure where TVHT\_W+W and TVHT2W+2W are correctly marked. |

**Discussion:**

LB 189 CIDs 42, 110, 692, and 992 all point out that the existing Figure 7.1 is not adequate for the modes described in 11af draft. The figure is overloaded and tries to oversimplify how the primary and secondary channels map to the channels in use for the defined 11af modes of operation. The items which are not clearly conveyed by the existing figure include:

1. The separation of channels for the W+W and 2W+2W modes is not shown.
2. The flexibility tfor placement of primary and secondary channels among the 2-4 channels in use is not shown.

Need to draft a new figure which cleary conveys above items.

**Propose** Revised for CIDs 42, 110, 692, and 992 per discussion in doc 11-12/1390r1. Suggested new figures are shown here with editing instructions.

# Editing instructions

7. PHY service specification

7.3 Detailed PHY service specifications

7.3.5 PHY-SAP detailed service specification

7.3.5.11 PHY-CCA.indication

7.3.5.11.2 Semantics of the service primitive

Insert the following three rows at the end of Table 7-5:

***TGaf Editor: Modify the editing instruction and paragraph as shown:***

***Insert the following paragraph and figures at the end of the 7.3.5.11.2:***

For a TVHT STA, the relationship of the channel-list parameter elements to the TVHT\_W, TVHT\_2W and TVHT\_W+W BSS operating channel is illustrated in Figure 7-1a1. . (TVHT channel-list parameter element and channel bandwidth for TVHT\_W, TVHT\_2W and TVHT\_W+W). For a TVHT STA, the relationship of the channel-list parameter elements to the TVHT\_4W and TVHT\_2W+2W BSS operating channel is illustrated in Figure 7-1a2. (TVHT channel-list parameter element and channel bandwidth for TVHT\_4W and TVHT\_2W+2W).

***TGaf Editor: Delete the esisting Figure 7-1a, shown below:***

**Figure 7-1a—TVHT channel-list parameter element and channel bandwidth**

***TGaf Editor: Insert new figures 7-1a1 and 7-1a2 as shown below:***

