IEEE P802.11  
Wireless LANs

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| **TGbe D3.0 LB271 Comment Resolutions**  **for 35.3.3.6.2** |
| **Date:** 2023-xx-xx |

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Abstract

This submission proposes resolutions for comments on TGbe D3.0 regarding Advertisement of multi-link information with the following CIDs (8 **CIDs**):

* 15852, 15853, 16083, 16084, 16183, 16775, 17916, 18242

Revisions:

- Rev 0: Initial version of the document.

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

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

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

**Part 1:**

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| **CID** | **Commenter** | **Clause**  **(page.line)** | **Comment** | **Proposed Change** | **Resolution** |
| 16084 | Insun Jang | 35.3.3.6.2  (488.34) | It would be better to add NOTE describing that the terms AP 1 and AP 2 are used only for this paragraph | As in the comment, we should add NOTE, e.g., NOTE 1--We use the terms AP 1 and AP 2 in this paragraph with the sole purpose to differentiate the APs and the AP MLDs and ease the understanding of the sentences. (as in 35.3.4.1) | **Revised**  Agree with the comment and accounted for the suggested change  **TGbe editor, please make changes as shown in doc 11-23/0714r0 tagged as CID 16084** |
| 15852 | Chunyu Hu | 35.3.3.6.2  (488.36) | This paragraph/sentence can be improved for better readability. | Add "requests" before the "the same partial profile". When AP1 and AP2 appear a second time in parathesis, remove the longer name, e.g. "the AP" (AP2), "the other requested AP" (AP1). | **Revised**  The “requests” is omitted because of “and” so it is not neceassry to add another “requests” in this sentence.  Also, AP 1 and AP 2 are the terms that help to distinguish “another AP” and “an AP”, which is generally used in 11be spec. Additionally, NOTE 1 is added for the clarification of AP 1 and AP 2.  **TGbe editor, please make changes as shown in doc 11-23/0714r0 tagged as CID 15852** |
| 15853 | Chunyu Hu | 35.3.3.6.2  (488.59) | Add "the" infront of "inheritance rule". | As in comment | **Accepted** |
| 16083 | Insun Jang | 35.3.3.6.2  (488.34) | This subcluase still has incorrect name of frames, e.g., Multi-link Probe Request frame | As in the comment, the incorrect parts should be modified | **Revised**  Agree with the comment and accounted for the suggested change.  **TGbe editor, please make changes as shown in doc 11-23/0714r0 tagged as CID 16083** |
| 16183 | Ming Gan | 35.3.3.6.2 (488.41) | Inheritance rule for partial profile is really ambiguous, is this only for (Extended) Request element? If not, please extend it to be more general. If it is, is (Extended) Request element big overhead, this motivation is really doubtful. | Please remove this subclause or make it more general. | **Rejected**  The Inheritance mechanism described in subclause 492.60 shall apply only when the Per-STA Profile subelement of the Basic Multi-Link element carries complete profile of the reported STA in P492L60 of D3.1. Based on the rule, the inheritance rule DOES NOT apply to the partial profile |
| 16775 | Mark Rison | 35.3.3.6.2 (488) | No need for scare quotes | Remove the 5 set of scare quotes around "a" and "b" | **Revised**  Agree with the comment and accounted for the suggested change.  **TGbe editor, please make changes as shown in doc 11-23/0714r0 tagged as CID 16775** |
| 17916 | Kazuto Yano | 35.3.3.6.2 (488.39) | "(AP2)" should be "(AP 2)". | As in comment. | **Accepted** |
| 18242 | Li-Hsiang Sun | 35.3.3.6.2 (488.47) | It was clarified the profile in ML probe response body is always complete profile in resolution of the last LB 266 CID14109, "The non-AP STA requests partial profile for three APs and complete profile for one AP" should be modified. | change to ""The non-AP STA requests partial profile for two APs (x and y) and complete profile for one AP (z)" " | **Accepted** |

**Propose:**

***TGbe editor: Please note that the baseline is 11be D3.0.***

35.3.3.6 Inheritance in a per-STA profile

35.3.3.6.2 Inheritance in the per-STA profile of Probe Request Multi-Link element

When a non-AP STA affiliated with a non-AP MLD requests a partial profile for another AP (AP 1) affiliated with the same AP MLD as an AP (AP 2) receiving the multi-link probe request (see 35.3.4.2 (Use of multi-link probe request and response)) and the same partial profile for the AP (AP 2) (17916), the non-AP STA may include the (Extended) Request element only in the Probe Request frame body, and this element will be inherited for the other requested AP (AP 1) even if it is not carried in the Per-STA Profile subelement corresponding to the other requested AP (AP 1), following the rules defined in 35.3.4.2 (Use of multi-link probe request and response).

NOTE 1—We use the terms AP 1 and AP 2 in this paragraph with the sole purpose to differentiate the APs

Figure 35-5 (Example of inheritance in a Request element for multi-link probe request) illustrates a multi-link probe request transmitted by a non-AP STA that is affiliated with a non-AP MLD. The non-AP STA requests partial profile for two APs (x and y) and complete profile for one AP (z) (18242), where all APs are affiliated with the same AP MLD. The non-AP STA includes a Request element in the Probe Request frame body requesting the element with element ID a for the AP to which the Probe Request frame is sent. The frame carries a Probe Request Multi-Link element that includes three Per-STA Profile subelements requesting information for AP x, AP y, AP z.

For AP x, the non-AP STA requests the element with element ID a (16775), which is the same as the element requested for the AP receiving the multi-link probe request (16083). Hence, the Complete Profile Requested subfield for the per-STA profile x is set to 0 and the per-STA profile does not include the Request element in the STA Profile field by (15853) the inheritance rule. For AP y, the non-AP STA requests the element with element ID b (16775), which is different from the requested element for the AP (i.e., element ID a (16775)) receiving the multi-link probe request(16083). Hence, the Complete Profile Requested subfield for the per-STA profile y is set to 0 and the per-STA profile includes the Request element in the STA Profile field that indicates element ID b (16775). The non-AP STA requests the complete profile for AP z. The Complete Profile Requested subfield for the per-STA profile z is set to 1 and the per-STA profile does not include any elements in the STA Profile field.