IEEE P802.11
Wireless LANs

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| Resolution for CIDs related to ML probe response |
| Date: 2021-12-01 |
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Abstract

This document proposes resoulution for CIDs 6449, 5252 related ML probe response.

Revisions:

* Rev 0: initial version of the document

***TGbe editor: Please note that baseline is 11be D1.3.***

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.***

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| **CID** | **Pg/Ln** | **Section** | **Comment** | **Proposed Change** | **Resolution** |
| 6449 | 251/55 | 35.3.4.2 | We need to consider the nontransmitted BSSID set case for partial info request. Please define a signaling for partial information request for nontransmitted BSSID set. | Please see the comment. | **Revised**Agreed. A Probe Request frame allows a non-AP STA to request an AP corresponding to a nontaransmitted BSSID to include information of the AP, subject to the rules defined in 11.1.4.3.4 (Criteria for sending a response). In this respect, the 11be spec text needs to be updated regarding ML probing for nontransmitted BSSID case considering an AP affiliated with AP MLD.**TGbe editor please implement changes as shown in doc 11-21/1437 tagged as 6449.** |
| 5252 | 251/55 | 35.3.4.2 | In current draft, there is no case of partial info request for nontransmitted BSSID. Please add the case | As in the comment, we need to consider partial information request for the case of nontransmitted BSSID | **Revised**Agreed. A Probe Request frame allows a non-AP STA to request an AP corresponding to a nontaransmitted BSSID to include information of the AP, subject to the rules defined in 11.1.4.3.4 (Criteria for sending a response). In this respect, the 11be spec text needs to be updated regarding ML probing for nontransmitted BSSID case considering an AP affiliated with AP MLD.**TGbe editor, please incorporate the changes as shown in 21/1437 under CID 6449.** |

1. **Proposed spec text**

***TGbe editor: Please modify some text in the existing 35.3.4.2 as shown below (after 9th paragraph):***

**35.3.4.2 Use of ML probe request and response**

An ML probe response is a Probe Response frame:

* that is transmitted in response to receiving an ML probe request
* and that includes a Basic Multi-Link element which can carry complete or partial per-STA profile(s), based on the soliciting request, for each of the requested AP(s) of the targeted AP MLD

 (#6449) NOTE: If the requested AP is the AP affiliated with the same AP MLD as the nontransmitted BSSID, the Basic Multi-Link element is included in the nontransmitted BSSID profile corresponding to the nontransmitted BSSID of Multiple BSSID element carried in ML probe response.

If an AP affiliated with an AP MLD is not in a multiple BSSID set or the AP corresponds to a transmitted BSSID in a multiple BSSID set, and the AP receives an ML probe request from a non-AP STA requesting complete profile, it shall respond with an ML probe response, which is a Probe Response frame that includes a Basic Multi-Link element with a per-STA profile with complete profile for each of the APs that are affiliated with the targeted AP MLD and that are requested by the ML probe request, subject to the rules defined in 11.1.4.3.4 (Criteria for sending a response). If it receives an ML probe request from a non-AP STA requesting partial profile, it shall respond with an ML probe response that includes a Basic Multi-Link element with a per-STA profile with at least the elements requested from the (Extended) Request element for each of the APs that are affiliated with the targeted AP MLD and that are requested by the ML probe request, unless the elements requested are not part of the complete profile for each of the APs and subject to the rules defined in 11.1.4.3.4 (Criteria for sending a response).

(#6449) If an AP corresponding to a nontransmitted BSSID that is affiliated with an AP MLD receives an ML probe request from a non-AP STA requesting complete information, the transmitted BSSID of the same multiple BSSID set as the AP shall respond with an ML probe response, which is a Probe Response frame that includes a Multiple BSSID element with a nontransmitted BSSID profile (corresponding to the AP) which carries a Basic Multi-Link element with complete information for each of the APs that are affiliated with the same AP MLD as the AP and that are requested by the ML probe request, subject to the rules defined in 11.1.4.3.4 (Criteria for sending a response). If it receives an ML probe request from a non-AP STA requesting partial information, the transmitted BSSID of the same multiple BSSID set as the AP shall respond with an ML probe response that includes a Multiple BSSID element with a nontransmitted BSSID profile which carries a Basic Multi-Link element with at least the elements requested from the (Extended) Request element for each of the APs that are affiliated with the same AP MLD as the AP and that are requested by the ML probe request, unless the elements requested are not part of the complete information for each of the APs and subject to the rules defined in 11.1.4.3.4 (Criteria for sending a response).