IEEE P802.11  
Wireless LANs

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| **TGbe CC36 Comment Resolutions**  **for Misc. CIDs related to ML discovery and setup** |
| **Date:** 2022-04-04 |

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| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| SunHee Baek | LG Electronics | 19, Yangjae-daero 11gil, Seocho-gu, Seoul 137-130, Korea |  | sunhee.baek@lge.com |
| Insun Jang |  | insun.jang@lge.com |
| Jiin Kim |  | jiin.kim@lge.com |
| Jinsoo Choi |  | js.choi@lge.com |

Abstract

This submission proposes resolutions for a comment on TGbe D1.0 with the following CIDs (9 **CIDs**):

* 5253, 6448, 6450, 5254, 5769, 6446, 6447, 6245, 5278

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.***

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| **CID** | **Page/Line** | **Comment** | **Proposed Change** | **Resolution** |
| 5253 | 251/55 | We also need an inheritance rule for the case of partial info request for nontransmitted BSSID | As in the comment | **Revised.**  D1.5 already captures this comment. The case of partial info request is explained in 35.3.2.3.2 (Inheritance in the per-STA profile of Probe Request Multi-Link element). For the nontransmitted BSSID case, we can set the Address of target AP or use MLD ID in Probe Request ML IE. Hence, no further changes are needed.  **TGbe editor, No further changes are required for addressing this CID.** |
| 6448 | 249/37 | We need to describe the inheritance rule for MLD probe request in detail. We already allow that the (Extended) Request element of Probe Request frame body can inherits to the per-STA profile corresponding to the AP requesting same information as the reporting AP. (Please see contribution 21/500) | Add text to describe the inheritance in the per-STA Profile for Probe Request variant Multi-Link element. | **Revised.**  D1.5 already captures this comment. Section 35.3.2.3.2 (Inheritance in the per-STA profile of Probe Request Multi-Link element) described the inheritance rule for MLD probe request and an example. Hence, no further changes are needed.  **TGbe editor, No further changes are required for addressing this CID.** |
| 6450 | 284/40 | We already allow the inheritance rule for Probe Request variant Multi-Link element. In this regard, we need to describe inheritance in the per-STA profile of Probe Request variant Multi-Link element for an AP in a multiple BSSID set as the section 35.3.18.2 | Please see the comment. | **Revised.**  D1.5 already captures this comment. The case of partial info request is explained in 35.3.2.3.2 (Inheritance in the per-STA profile of Probe Request Multi-Link element). For the nontransmitted BSSID case, we can set the Address of target AP or use MLD ID in Probe Request ML IE. Hence, no further changes are needed.  **TGbe editor, No further changes are required for addressing this CID.** |
| 5254 | 252/09 | Although the first condition is correct, we need to clarify the meaning of the first condition, i.e., requesting the complete or partial information for all APs | As in the comment | **Revised.**  D1.5 already captures this comment. Subclause 35.3.4.1 (AP behavior) defined the rule when an ML probe request allows a non-AP STA to request an AP to include the complete profile of all APs in P383L54. Also, the rule is defined when an ML probe request allows a non-AP STA to request an AP to include the same requested partial profile for all APs in P383L60.  Hence, no further changes are needed.  **TGbe editor, No further changes are required for addressing this CID.** |
| 5769 | 252/10 | When a probe request variant ML element does not include any per-STA profile, that means all APs of the AP MLD are requested. However, it is not clear if the request is for complete profile or partial profile. The most logical would be that if in the core of the beacon, there is no (extended) request element, then the request is for complete profile, and if there is an (extended) request element in the core of the beacon, then the same partial request applies to all APs of the AP MLD. | clarify that procedure | **Revised.**  D1.5 already captures this comment. Subclause 35.3.4.1 (AP behavior) defined the rule when an ML probe request allows a non-AP STA to request an AP to include the complete profile of all APs in P383L54. Also, the rule is defined when an ML probe request allows a non-AP STA to request an AP to include the same requested partial profile for all APs in P383L60.  Hence, no further changes are needed.  **TGbe editor, No further changes are required for addressing this CID.** |
| 6446 | 252/10 | We need to describe the case of ML probe request carried Multi-Link element does not include any per-STA profile for clarification. Does this mean complete information request for all APs? | Please clarify the case which is mentioned as comment and describe the detail operation. | **Revised.**  D1.5 already captures this comment. Subclause 35.3.4.1 (AP behavior) defined the rule when an ML probe request allows a non-AP STA to request an AP to include the complete profile of all APs in P383L54. Also, the rule is defined when an ML probe request allows a non-AP STA to request an AP to include the same requested partial profile for all APs in P383L60.  Hence, no further changes are needed.  **TGbe editor, No further changes are required for addressing this CID.** |
| 6447 | 252/11 | Regarding partial info request of a non-AP STA, the non-AP STA can request partial inforation for each per-STA profile individually. If the non-AP STA requests same partial info for all APs, ML IE includes the same (Extended) Request element for each per-STA profile corresponding all APs. To optimize this, we can define a new method considering case of same partial info reuqest for all APs. | Please define the method for same partial info request on all links. | **Revised.**  D1.5 already captures this comment. Subclause 35.3.4.1 (AP behavior) defined the rule when an ML probe request allows a non-AP STA to request an AP to include the complete profile of all APs in P383L54. Also, the rule is defined when an ML probe request allows a non-AP STA to request an AP to include the same requested partial profile for all APs in P383L60.  Hence, no further changes are needed.  **TGbe editor, No further changes are required for addressing this CID.** |
| 6245 | 108/40 | ML element should be present, not optionally present in Authentication frame if both sides are MLD. Moreover, it should specify which part of ML element is present | as in the comment | **Revised.**  D1.5 already captures this comment. In subclause 35.3.5.4 (Usage and rules of Basic Multi-Link element in the context of multi-link), the rules were added when a STA affiliated with an MLD shall include a Basic Multi-Link element in an Authentication frame. Please refer to P389L50. Hence, no further changes are needed.  **TGbe editor, No further changes are required for addressing this CID.** |
| 5278 | 257/51 | It is better to separate this subcluase into two parts, i.e., ML setup and ML authentication | As in the comment | **Rejected**  The authentication step is also one of the steps of ML setup, so there is no need to distinguish them into two parts. |

**[SP] Do you support to accept the resolution in 11-22/0551r0 for the following CIDs?**

**5253, 5254, 5278, 5769, 6245, 6446, 6447, 6448, 6450**