IEEE P802.11
Wireless LANs

|  |
| --- |
| [ANQP Neighbor Report correction] |
| Date: 2017-07-01 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Gabor Bajko | Mediatek | 2840 Junction Rd |  | Gabor.bajko@mediatek.com |
| James Yee | Mediatek | 2840 Junction Rd |  | James.yee@mediatek.com |

Abstract

[802.11-2016 spec defines in section 9.4.5.19 the Neighbor Report ANQP element, allowing unassociated non-AP STAs to query the AP for Neighbor Report elements. The section was added by the TGmc TG.

The section also states “The Element ID and the Length fields of the Neighbor Report element, as shown in Figure 9-295, are not included.”, which restricts the AP from including multiple Neighbor Reports into the ANQP element, as otherwise it would not be parsable.

There are some workarounds to overcome this issue, but the industry felt that this sentence is a leftover from a previous version of a working TGmc draft, and decided to ignore it. Interop events at external organizations showed that all participating vendors included the Element ID and length field when constructing a Neighbor Report ANQP element.

It is therefore proposed to remove the cited sentence from section 9.4.5.19.

Editor: make the following changes to 802.11-2016:

**9.4.5.19 Neighbor Report ANQP-element**

The Neighbor Report ANQP-element provides zero or more neighbor reports about neighboring APs. This

is of benefit to a STA in a preassociated state. The format of the Neighbor Report ANQP-element is defined

in Figure 9-619.

|  |  |  |
| --- | --- | --- |
| Info ID | Length | Neighbor Report element (optional) |

Octets: 2 2 variable

The Info ID and Length fields are defined in 9.4.5.1.

The format of the Neighbor Report element is shown in Figure 9-295 defined in 9.4.2.37. ~~The Element ID and the Length fields of the Neighbor Report element, as shown in Figure 9-295, are not included.~~ The Co-Located BSSID List subelement is present when there is at least one other BSS which is co-located with the reporting BSS.