IEEE P802.11
Wireless LANs

|  |
| --- |
| CID 6578 Comment Resolution |
| Date: 2023-12-01 |
| Author(s): |
| Name | Company | Address | Phone | email |
| Stephen McCann | Huawei Technologies Co., Ltd | Southampton, UK |  | stephen.mccann@ieee.org  |

Abstract

This submission proposes a comment resolution to CID 6578 from REVme SA Ballot #1.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 6578 | 5414.49 | C.3 | Why is dot11APCivicLocation a Table? Can a given AP have multiple locations? Which one is provided in ANQP exchanges? (Same thing for dot11APLCI.) | Remove the "Table" concepts for dot11APCivicLocation and dot11APLCI, and change the "Entry" SEQUENCES to be the primary definition for each. Remove "Table" in references to these MIB attributes in the body text. |

Discussion

The civic location report is multiple, as it was originally thought that an AP can have multiple civic locations, in other words postal addresses.

Regarding the ANQP exchange (9.4.5.13 AP Civic Location ANQP-element):

**9.4.5.13 AP Civic Location ANQP-element**

“The Location Civic Report field is a variable length field and the format is provided in 9.4.2.20.13 (Location Civic report). This information is taken from dot11APCivicLocationTable. The Colocated BSSID List subelement is present when there is at least one other BSS that is colocated within the same physical device as the reporting BSS and the Colocated BSSID List subelement is not present in the Geospatial Location ANQP-element; this subelement is not present otherwise.”

As the ANQP response only uses one entry from the dot11APCivicLocationTable (and also for the dot11APLCITable), a note should be added to the MIB (in C.3) stating that implementations might only have one value in each of these tables.

Resolution

Revised:

Change the description of the MIB variable dot11APCivicLocationTable on P5572L60 in D4.1 to:

"This table represents the Geospatial location of the AP as specified in 9.4.2.20.10 (LCI report (Location configuration information report)). Note that when used for the AP Geospatial Location ANQP-element, implementations might only have one value within this table."

Change the description of the MIB variable dot11APCivicLocationTable on P5576L54 in D4.1 to:

“This table represents the location of the AP in civic format using the Civic Address Type elements defined in IETF RFC 5139 [B46]. Note that when used for the AP Civic Location ANQP-element, implementations might only have one value within this table."