IEEE P802.11
Wireless LANs

|  |
| --- |
| CID 6050 S1G Authentication Control Element |
| Date: 2024-01-11 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| David Goodall | Morse Micro |  |  | dave@morsemicro.com |
| Dave Halasz | Morse Micro |  |  | dave.halasz@morsemicro.com |

Abstract

This document contains proposed text changes to address IEEE P802.11-REVme SB1 CID 6050.

The proposed changes are based on REVme/D4.2

Revision History:

R0: Initial version.

# CID 6050

|  |  |  |  |
| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 6050 | 9.3.3.10 | The Authentication Control element is not included in Table 9-67—Probe Response frame body. | Add the Authentication Control element to Table 9-67—Probe Response frame body. |

### Background

Section 11.3.9.2 (Centralized authentication control) indicates that an AP may include an Authentication Control element in both Beacons and Probe Responses, for example:

“A CAC AP may include an Authentication Control element with the Control subfield equal to 0 and the

Deferral subfield equal to 0 in a Beacon or a Probe Response frame to attempt to limit the number of STAs that can transmit an Authentication Request frame to it.

Table 9-76 (Minimum and full set of optional elements) allows the Authentication Control element to be optionally present in the full S1G Beacon.

However, Table 9-69 (Probe Response frame body) has no entry for the Authentication Control element.

### Proposed Resolution:

ACCEPTED. Request the TGme editor to apply the changes below to Table 9-69:

|  |  |  |
| --- | --- | --- |
| 111(11ba) | WUR Discovery | The WUR Discovery element is optionally presentif dot11WUROptionImplemented is true and either dot11WURDiscoveryImplemented or dot11WURNeighborDiscoveryImplemented is true; otherwise it is not present. |
| 112 | Authentication Control | The Authentication Control element isoptionally present whendot11S1GCentralizedAuthenticationControlActivated is true ordot11S1GDistributedAuthenticationControlActivated is true. |
| Last*–*1 | Vendor Specific | One or more Vendor Specific elements are optionally present. These elements follow all other elements, except the Requested elements. |
| Last | Requested elements | Elements requested by the Request element or Extended Request element(s) of the Probe Request frame are present if dot11MultiDomainCapabilityActivated or dot11EstimatedServiceParametersInboundOptionImplemented is true. See 11.1.4.3.2 (Active scanning procedure for a non-DMG STA) and 11.44 (Estimated throughput). |

**References:**