IEEE P802.11
Wireless LANs

|  |
| --- |
| P802.11bh Activated vs Supported |
| Date: 2024-05-14 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Robert Stacey | Intel |  | +1-503-724-0893 | robert.stacey@intel.com |
|  |  |  |  |  |

Abstract

This document provides a resolution to the CID 3030

# Comment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** |
| 3030 | 27.06 | 9.4.2.240 | The distinction between a feature being "active" vs "supported" is not clear, particularly in the context of on-air signaling (as opposed to the MIB). In this case we don't even have a capability indication for the feature and so "active" appears to be a poor substitute for "capability" (i.e., support). And this is doubly true since we are using it in a "Capability" element. We might want "active" semantics in the MIB where an management entity can enable or disable a feature. But we don't need to reflect this in the OTA signaling; as for as the OTA protocol is concerned the feature is either supported or not supported. It a management entity has not activated it, then it is not supported. | Change "Device ID Active" to "Device ID Support". Change "IRM Active" to "IRM Support". At 34.51 change "A non-AP STA that has dot11DeviceIDActivated equal to true indicates the device ID mechanism is activated by setting the Device ID Active field to 1..." to "A non-AP STA that has dot11DeviceIDActivated equal to true shall set the Device ID Support field to 1 to indicate that the device ID mechanism is supported..." (note the shall -- normative requirement to keep the MIB and OTA signaling aligned) At 37.52 change "An AP that has dot11IRMActivated equal to true advertises activation of the IRM mechanism by setting the IRM Active field to 1..." to "An AP that has dot11IRMActivated equal to true shall set the IRM Support field to 1 to indicate that the IRM mechanism is supported..." At 37.54 change "A non-AP STA that has dot11IRMActivated equal to true indicates the IRM mechanism is active by setting the IRM Active field to 1..." to "A non-AP STA that has dot11IRMActivated equal to true shall set the IRM Support field to 1 to indicate that the IRM mechanism is supported.." |

# Proposed resolution

REVISED –

Agree in principle with the comment. Apply the edits in <this document>, which are similar to the proposed change.

# Editing instructions

**9.4.2.240 RSNXE**

***At 27.06 (3x) change "Device ID Active" to "Device ID Support".***

***At 27.10 (3x) change "IRM Active" to "IRM Support".***

**12.2.12.1 Device ID mechanism**

***Change the 1st and 2nd paragraph as follows:***

An AP that has dot11DeviceIDActivated equal to true advertises support for the device ID mechanism by setting the Device ID Support field to 1 in the Extended RSN Capabilities field in the RSNXE (see 9.4.2.240 (RSNXE)) in Beacon and Probe Response frames.

A non-AP STA that has dot11DeviceIDActivated equal to true sets the Device ID Support field to 1 in the Extended RSN Capabilities field in the RSNXE to indicate that the device ID mechanism is supported. The RSNXE with the Device ID Support field equal to 1 is present in either (Re)Association Request frames or the first PASN frame that is sent to an AP that advertises support for the device ID mechanism.

***At 35.06, .10, .12, .23, 36.24 change "Device ID Active" to "Device ID Support".***

**12.2.12.2 Identifiable random MAC address (IRM) operation**

***Change the 1st paragraph as follows:***

An AP that has dot11IRMActivated equal to true support for the IRM mechanism by setting the IRM Support field to 1 in the Extended RSN Capabilities field in the RSNXE (see 9.4.2.240 (RSNXE)) in Beacon and Probe Response frames. A non-AP STA that has dot11IRMActivated equal to true indicates that the IRM mechanism is supported by setting the IRM Support field to 1 in the Extended RSN Capabilities field in the RSNXE. The RSNXE with the IRM Support field equal to 1 is present in either (Re)Association Request frames or the first PASN frame that is sent to an AP that advertises support for the IRM mechanism.

***At 37.61, 38.02, .04, change “IRM Active” to “IRM Support”.***

**Annex C**

***Change the dot11DeviceIdActivated element as follows:***

dot11DeviceIDActivated OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

“This is a control variable. It is written by an external management

entity or the SME. Changes take effect as soon as practical in the implementation.

This attribute, when true, indicates that the device ID mechanism is supported.”

DEFVAL { false }

::= { dot11StationConfigEntry 236 }

dot11IRMActivated OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is a control variable. It is written by an external management

entity or the SME. Changes take effect as soon as practical in the implementation.

This attribute, when true, indicates that the STA supports IRM operation. "

DEFVAL { false }

::= { dot11StationConfigEntry 237 }