IEEE P802.11
Wireless LANs

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Abstract

this document provides resolution to CIDs 3105 and 3401

CID#3105

Problem suggested resolution

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| The dot11\*Integer and dot11\*Fraction variables do not map onto the various location structures, given that the integer and fraction parts of Latitude and Longitude have been merged in the OTA structures. | Delete the dot11\*Fraction variables.Change the dot11\*Integer variables by:1. removing "Integer", 2. Adjusting range to map structure3. Change the declared type from Integer32 if the range exceeds 32 bits.Also check that the range and type of the dot11\*Altitude variables maps onto the OTA structures. |

Proposed resolution Accept

**TGmc Editor: Implement all suggestions made above by commenter, and in addition implement the below changes:**

1. Change the modified MIB variable declarations to:
* dot11LCILongitude OBJECT-TYPE
SYNTAX Integer64 (-180..180)
* dot11LCILatitude OBJECT-TYPE
SYNTAX Integer64 (-90..90)
1. Declared type to be changed from Integer32 to Integer64 for dot11\*Integer variables.
2. Delete ""This field contains the 9 bits of integer portion of \*"" from the description of the modified MIB variables.
3. The OTA structure of altitude is 30 bits which map well into the current dot11\*Altitude MIB variable, no changes required in that respect.

dot11LCILongitude OBJECT-TYPE

SYNTAX Integer64 (-180..180)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

This attribute indicates the longitude as a 34 bit fixed point value consisting

of 9 bits of integer and 25 bits of fraction. "

::= { dot11LCIReportEntry 9 }

dot11STALCILatitude OBJECT-TYPE

SYNTAX Integer64 (-90..90)

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.

Latitude is a 2s complement 34 bit fixed point value consisting of 9 bits

of integer and 25 bits of fraction. This field is derived from RFC 6225."

::= { dot11STALCIEntry 3 }

CID#3401

 Problem

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| There are various location thingies, and they are all extremely similar but slightly different (e.g. Device Location Information Body field has int/frac while LCI field and DSE registered location element body fields has just a number) | Commonalise all the various location thingies |

Suggested Resolution: counter

Change 'ver' to 'Version' in Figure 8-118.