IEEE P802.11  
Wireless LANs

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| Date: 2014-07-16 | | | | |
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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 structure 3. 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.