IEEE P802.11
Wireless LANs

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| CIDs on RFC 3825 |
| Date: 2013-08-15 |
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Abstract

Proposed resolutions to CIDs 1691 and 1692.

Editing instructions are based on modifying P802.11MC\_D1.5.

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGmc Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGmc Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGaf Editor: Editing instructions preceded by “TGmc Editor” are instructions to the TGmc editor to modify existing material in the TGmc draft. As a result of adopting the changes, the TGmc editor will execute the instructions rather than copy them to the TGmc Draft.***

The editing instructions are shown in ***bold italic***. Four editing instructions are used: ***change, delete, insert, and replace***. Change is used to make corrections in existing text or tables. The editing instruction specifies the location of the change and describes what is being changed by using ~~strikethrough~~ (to remove old material) and underscore (to add new material). ***Delete*** removes existing material. ***Insert*** adds new material without disturbing the existing material. Insertions may require renumbering. If so, renumbering instructions are given in the editing instruction. ***Replace*** is used to make changes in figures or equations by removing the existing figure or equation and replacing it with a new one. Editorial notes will not be carried over into future editions because the changes will be incorporated into the base standard.

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| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** |
| 1691 | 4.31 | 2 | IETF RFC-3825 has been replaced by RFC-6225, which is backward compatible with IEEE 802.11-2012. We should remove the reference to RFC-3825 and insert a reference to IETF RFC-6225. | Remove clause 2 reference to IETF RFC-3825 and insert IETF RFC-6225. Correct reference is "IETF RFC 6225, Dynamic Host Configuration Protocol Options for Coordinate-Based Location Configuration Information, J. Polk, M. Linsner, M. Thomson, B. Aboba, July 2011." |
| 1692 |  |  | IETF RFC-3825 has been obsoleted by RFC-6225, which is backward compatible with IEEE 802.11-2012. We should replace all 45 references to RFC-3825 by reference to IETF RFC-6225. | Clauses 8.4.2.21.10 and 8.4.2.51 each have two specific mentions of July 2004 RFC 3825. Clause 10.11.9.6 has one specific mention of July 2004. All the other references to RFC 3825 can be replaced by references to RFC 6225. |

**Discussions:**

**Discussion** Comment CIDs 1691 and 1692 propose to change all references to RFC 3825 by references to RFC 6225. The relevant part of RFC 3825 is clause 2.1 and of RFC 6225 is clause 2.2, so RFC clause-specific references have to be changed. The other significant change is to make Datum a 3-bit field and refer to IEEE 802.11 for three bit definitions. The MIB descriptions of the Datum field need to be changed to show it is a 3-bit field.

**Propose** Accepted for CID 1691 and Revised for CID 1692 per editing instructions in 802.11-13/968r0.

**Editing Instructions**

2. Normative references

***TGmc Editor:***

Delete IETF RFC 3825, Dynamic Host Configuration Protocol Option reference

Insert new reference retaining alphabetic order as follows:

IETF RFC 6225, Dynamic Host Configuration Protocol Options for Coordinate-Based Location Configura­tion Information, J. Polk, M. Linsner, M. Thomson, B. Aboba, July 2011.

3.1 Definitions

***TGmc Editor:***

Change location configuration information definition as follows:

**location configuration information (LCI):** As defined in IETF RFC 6225~~3825~~: includes latitude, longitude, and altitude, with resolution indicators for each.

**8.4.2.21.10 Location Configuration Information Report**

***TGmc Editor:***

Change 2nd and 3rd sentences as follows:

This structure and information fields are little-endian, per conventions defined in 8.2.2 (Conventions), and

are based on the LCI format described in IETF RFC 6225~~3825~~.

The definition of elements within the LCI report are as defined in Section 2.2~~1~~ of IETF RFC 6225 (July 2011)~~3825 (July 2004)~~

or as defined herein.

***In Figure 8-187, replace “Datum” in bits 136-143 with contents of Figure 8-275 bits B120-127, renumbering the bit fields accordingly.***

Change first sentence of NOTE below Figure 8-187 as follows:

NOTE—An example of fixed/fractional notation, using the longitude of the Sears Tower from p. 28~~13~~ of IETF RFC 6225~~3825~~

(July 2011~~2004~~):

Insert new text after the NOTE below Figure 8-187 as follows:

The RegLoc Agreement bit field is set to 1 to report that the STA is operating within a national policy area

or an international agreement area near a national border (see 10.12.3 (Registered STA operation));

otherwise, it is 0.

The RegLoc DSE bit field is set to 1 to report that the enabling STA is enabling the operation of STAs with

DSE; otherwise, it is 0.

The Dependent STA bit field is set to 1 to report that the STA is operating with the enablement of the

enabling STA whose LCI is being reported; otherwise, it is 0.

**8.4.2.51 DSE Registered Location element**

***TGmc Editor:***

Change 4th, 6th and 8th sentences as follows:

This structure and information fields are little-endian, per conventions defined in 8.2.2 (Conventions), and

are based on the LCI format described in IETF RFC 6225~~3825~~.

The definition of fields within the DSE Registered Location element body is as defined in Section 2.2~~1~~ of

IETF RFC 6225~~3825~~ (July 2011~~2004~~) except as defined in this standard.

The Datum field is a 3-bit field~~, rather than the 8-bit field~~ defined in IETF RFC 6225~~3825~~, and the codes used are

as defined in IETF RFC 6225~~3825~~.

Change first sentence of NOTE below Figure 8-275 as follows:

NOTE—An example of fixed/fractional notation, using the longitude of the Sears Tower from p. 28~~13~~ of IETF RFC 6225~~3825~~

(July 2011~~2004~~):

**10.11.9.6 Location Configuration Information Report**

***TGmc Editor:***

Change first sentence of NOTE 1 as follows:

NOTE 1(#1101)—Section 2.1 of IETF RFC 6225~~3825~~ (July 2011~~2004~~) defines formats and information fields for reporting

physical location to sub-centimeter resolution.

C.3 MIB detail

***TGmc Editor:***

Delete all occurrances of the following sentence in Description text:

This field is derived from IETF RFC 3825.

Change two sentences in dot11LCIDSEDatum description as follows:

Datum is a~~n~~ 3~~8~~-bit value encoding the horizontal and vertical references

used for the coordinates given in this LCI. IETF RFC 6225~~3825~~ defines the values

of Datum.

Change two sentences in dot11APLCIDatum description as follows:

Datum is a~~n~~ 3~~8~~-bit value encoding the horizontal and vertical references

used for the coordinates given in this LCI. IETF RFC 6225~~3825~~ defines the values

of Datum.**References:**

IETF RFC 6225, Dynamic Host Configuration Protocol Options for Coordinate-Based Location Configura­tion Information, J. Polk, M. Linsner, M. Thomson, B. Aboba, July 2011.