IEEE P802.11  
Wireless LANs

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| --- | --- | --- | --- | --- |
| Scope of information value field | | | | |
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Abstract

Some of scopes of information value fields need to be revisit. Editing instructions are based on P802.11af Draft 1.07.

## 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 TGaf Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGaf 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 “TGaf Editor” are instructions to the TGaf editor to modify existing material in the TGaf draft. As a result of adopting the changes, the TGaf editor will execute the instructions rather than copy them to the TGaf Draft.***

***Change #1.***

**Discussion:** In 6.3.99.1.2 (Semantics of the service primitive for MLME-GDCENABLEMENT.request) and 6.3.99.1.3 (Semantics of the service primitive for MLME-GDCENABLEMENT.indication), there exist DeviceClass and DeviceID which refers 8.2.6.1.1 (Device class) and 8.2.6.1.2 (Device Identification Information), respectively. WSM and NNI use Device class. NNI and CSM use Device Identification Information. NNI uses Device Location Information.

However the scope of the device identification information is only for CAQ (table 8-14b, 8-14c, and 8-14d).

**Propose:**

*In page 31, modify table8-14b, 8-14c, 8-14d as follows;*

**8.2.6.1.1 Device class**

This parameter contains the intended class of device for operation in TVWS band after it receives the available channel list at its location. The Device Class format is shown in Table 8-14b (Device Class definition).

Table 8-14b— Device Class definition

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Length (octets) | Value | Scope |
| Device Class | <ANA> | 1 | The Device Class field is set to an integer that specifies the device’s TVWS band mode of operation as follows:  0: GDCnonAPSTA,  1: GDCAP,  2: GDCFixedSTA,  3-255: Reserved. | CAQ, GDCENABLEMENT, WSM, NNI |

**8.2.6.1.2 Device Identification Information**

This parameter contains the Identification Information of the device initiating the channel availability query. The Device Identification Information format is shown in Table 8-14c (Device Identification Information definition) and Table 8-14d (Device Identification Information Value fields).

Table 8-14c—Device Identification Information definition

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Length (octets) | Value | Scope |
| Device Identification Information | <ANA> | *variable* | Single TLV comprised of fields in Table 8-14d (Device Identification Value fields). | CAQ, GDCENABLEMENT, NNI, CSM |

Table 8-14d—Device Identification Information Value fields

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Length (octets) | Value | Scope |
| FCC ID | 14 | The device identification contains the 14 octet FCC ID of the device. | ~~CAQ,~~ US |
| Industry Canada ID | 11 | The device identification contains the 11 octet Industry Canada ID of the device. | ~~CAQ,~~ CA |
| Device Serial Number | 4 | The Device Serial Number field is set to the manufacturer's serial number. This field is present only if the Device Class field (Table 8-14b (Device Class definition)) is equal to 1 (GDCAP) or 2 (GDCFixedSTA); otherwise, this field is not present. | ~~CAQ,~~ US |

***Change #2.***

**Discussion:** NNI uses Device Location Information. Also, there is no Fixed TVBD device class.

**Propose:**

*In page 33, modify table8-14g as follows;*

**8.2.6.1.4 Device Location Information**

This parameter contains the Location Information of the device initiating the channel availability query. The Device Location Information format is shown in Table 8-14g (Device Location Information definition).

Table 8-14g— Device Location Information definition

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Length (octets) | Value | Scope |
| Device Location Information | <ANA> | 16 | The Device Location Information contains the latitude, longitude, and altitude information of the device in the format specified by the device location information body fields in Figure 8-401cg (Device Location Information element body fields format). When the Device Type subfield of the Table 8-14b (Device Class definition) is not set to ~~Fixed TVBD~~ GDCFixedSTA, the altitude information (Altitude Type, Altitude Uncertainty, Altitude Fraction and Altitude Integer subfields) of the Device Location Information remains unused. | CAQ, NNI |