

**Project: IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)**

**Submission Title:** [Comment Resolution - Device Location and Channel Info IEs Related Comments]

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**Source:** [ Kunal Shah (Silver Spring Networks), Ben Rolfe (BCA) ]

**Address:**

Voice: [ ], FAX: [ ], E-Mail: [ kshah @ silverspringnet.com ]

**Re:** [Comment Resolution]

**Abstract:** [This document intends to resolve comments received in LB87]

**Purpose:**

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# Summary

- This document presents the resolutions to comments related to Device Location and Channel Info IEs
- The Device Location related comment is CID# 167
- The Channel Info related comments are CIDs#172, 174, 176, 177, 178, 179, 180, 181, 182, 183 and 217

# Device Location IEs Comments

- CID# 167
- Comment: The device location IE field only defines how many location(s) would be included in the device location IE. However, if there are more than one location information is provided, there is no information included on the sequence of the locations info or in which order. Section 5.2.4.33.3 needs to be corrected.
- Proposed Change: There is a need to define a location ID info for individual location, so the requesting device would be able to get the channel list for individual locations respectively. Change the device location list IE fields to include the location ID info.
- Proposed Resolution: Accept in Principle. The TVWS Device Location IE is as shown in slide 3.

# Device Location IEs Comments - Resolution

- Replace Figure 48nv with the following Figures

## TVWS Device Location IE

Octets: 1	Variable
Number of Locations	Device Locations Info

## Device Locations Info

Octets: 1	16
Location ID	Device Location List Element

# Channel Info IEs Comments

- CID# 172
- Comment: As part of the device location IE, the device may request the available channel list for more than one locations. If the available channel list is requested for more than one locations, the defined IEs won't be able to serve the purpose of allocating the channel list for requested locations and no information is included in the response IE that differentiate the 'channel list info' for individual requested locations.
- Proposed Change: Need to correct the Channel query IE and include the fields accordingly.
- Comments related to CID# 172: 174, 176, 177, 178, 179, 180, 181, 182 and 183
- Proposed Resolution: Accept in Principle. The Channel Information Query IE and related field information is as shown in slides 6 to 9.

# Channel Info IEs Comments – Resolution (1/4)

- Replace Figure 48nw with the following Figure

## Channel Information Query IE

Octets: 1	1	Variable
Channel list ID	Channel Info Status	Channel List Info

## Channel Info IEs Comments – Resolution (2/4)

- Replace Table 4ij with the following Table

### Channel information query status values

Bit#	Description
0	Channel list requested/ response
1:3	Number of locations
4:7	Reserved

# Channel Info IEs Comments – Resolution (3/4)

- Replace Figure 48nx with the following Figure

## Available Channel List Info

Octets: 1	1	0/1	0/Variable
Location ID	Channel List Status	Number of Channels	Channel Description List



# Channel Info IEs Comments – Resolution (4/4)

- Add following Table and replace Figure 48nx with the following channel list element info figure

## Channel List Status

Status	Description
0	Available channel list verified for a device location
1	Request not successful due to device ID is not verified
2	Request not successful due to device location being out of the geographic coordinate
3	Request not successful due to one or more parameters have invalid values
4-255	Reserved

## Available TVWS Channel Description

Octets: 1	1	Variable
Channel Number	Maximum TX Power	Valid Time

# CID# 217

- Comment: Change the parameters or value if needed.
- Proposed Resolution: AP. Insert LocationID, ChannelListInfo, ChannelListStatus parameters to the list in 6.2.4.1 and in Table 16.