**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **Proposed resolutions to Sponsor Ballot Recirc#1 comments** | |
| Date Submitted | November 12, 2013 | |
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| Re: |  | |
| Abstract | [Contains proposed resolutions for comments on the details regarding section 6 of the draft Standard] | |
| Purpose | [Resolve comments from Sponsor Ballot recirculation] | |
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**This document provides the proposed resolution to the following comments,**

84, 89, 90, 91, 92, 93, 94, 96, 97, 98, 100, 101, 102, 103, 104, 106, 108, 109, 112, 113, 114, 115, 116, 117, 118, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137 and 138

## MAC services

###### 6.2.4 Communications notification primitives

###### 6.2.4.1 MLME-BEACON-NOTIFY.indication

Insert the following parameters at the end of the list in 6.2.4.1 (before the closing parenthesis):

PeriodicListeningInterval

PeriodicListeningDuration

RendezvousTime

TransactionDuration

DeviceCategory

DeviceIDType

DeviceID

NumberofLocations

DeviceLocationsInfo

ChannelListID

ChannelInfoStatus

NumberofChannels

TVWSAvailableChannelDescription

SourceInfo

LocationofKnownSource

AddressofKnownSource

TVWSAvailableChannelDescriptionofKnownSource

CTMControl

ChannelTimingInformation

ChannelListInfo

ChannelListStatus

Insert the following rows at the end of Table 16:

Table 16—MLME-BEACON-NOTIFY.indication parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| PeriodicListeningInterval | Integer | 0 to 4294967296 | Time, in ms of the Periodic listening interval field of a received TVWSPS IE. 5.2.4.30 describes the information contained in this parameter. |
| PeriodicListeningDuration | Integer | 0 to 16777215 | Time, in ms of the Periodic listening dura- tion field of a received TVWSPS IE. 5.2.4.30 describes the information contained in this parameter. |
| RendezvousTime | Integer | 0 to 16777215 | Time, in ms of the Rendezvous time field of a received TVWSPS IE. 5.2.4.30 describes the information contained in this parameter. |
| TransactionDuration | Integer | 0 to 65535 | Time, in ms of the Transaction duration field of a received TVWSPS IE. 5.2.4.30 describes the information contained in this parameter.parameter.. |
| DeviceCategory | Integer | 0-255 | Contains the value of the Device category field of a received TVWS device category IE as described in 5.2.4.33.1. |
| DeviceIDType | Integer | 0-255 | Contains the value of the Device ID type field of a received device identification IE as described in 5.2.4.33.2. |
| DeviceID | Set of octets | See [Figure 48nt](#_bookmark67) and [Figure 48nu](#_bookmark70) | Contains the value of the ID string field and device category field of a received Device identification IE as described in 5.2.4.33.2. |
| NumberofLocations | Integer | 0-255 | Contains the value of the Number of Locations field in a received TVWS device location IE as described in 5.2.4.33.3. |
| DeviceLocationsInfo | Set of octets | - | Contains a list of locations; location ID and device location list element for each location as described in 5.2.4.33.3. |
| ChannelListID | Integer | 0-255 | Contains the Channel List ID contained in a received channel information query request/ response IE as described in 5.2.4.33.4. |
| ChannelInfoStatus | Integer | See [Table 4ik.](#_bookmark80) | Indication on number of locations and whether the channel information query is a request or a response, as indicated in a received TVWS channel information query request/response IE as described in 5.2.4.33.4. |
| NumberofChannels | Integer | 0-255 | The number of TVWS channels contained in the received TVWS channel information query request/response IE that contains a channel list as described in 5.2.4.33.4. |
| TVWSAvailableChannelDescription | Set of octets | See [Figure 48ny.](#_bookmark81) | Description on each TVWS channel in a received TVWS channel information query request/response IE that contains a channel list. 5.2.4.33.4 describes the information contained in this parameter. |

###### Table 16—MLME-BEACON-NOTIFY.indication parameters

|  |  |  |  |
| --- | --- | --- | --- |
| SourceInfo | Integer | See [Table 4im.](#_bookmark92) | Set to the value of the Source Info field of a received TVWS channel information source description IE as described in 5.2.4.33.5. |
| LocationofKnownSource | Set of octets | See [Table 4ij](#_bookmark76) | The location of known source field value of a received TVWS channel information source description IE as described in 5.2.4.33.5. |
| AddressofKnownSource | Device address | Extended IEEE address | When present, indication of device acting as the source of channel availability data; set to the value of the Address of known source field of a received TVWS channel information source description IE as shown in 5.2.4.33.5. |
| TVWSAvailableChannelDescriptionofKnownSource | Set of octets | See [Figure 48ny.](#_bookmark85) | Set to the value of the TVWS available channel description of known source field of a received TVWS channel information source description IE. 5.2.4.33.5 describes the information contained in this parameter. |
| CTMControl | Integer | See [Table 4in.](#_bookmark96) | Set to the value of the CTM Control field of a received channel timing management IE as described in 5.2.4.33.6. |
| ChannelTimingInformation | Sets of octets | See [Table 4io.](#_bookmark92) | Set to the value of the Channel Timing Information field of a received channel timing management IE as described in 5.2.4.33.6. |
|  |  |  |  |
|  |  |  |  |
| ChannelListInfo | Set of octets | See Figure 48nx. | When the beacon contains the channel information query request/ response IE with a channel list info field, this parameter contains the channel list of the received IE as described in 5.2.4.33.4. |
| ChannelListStatus | Integer | See Table 4il. | When the beacon contains the channel information query request/ response IE, ChannelListStatus is set to the value of the channel list status of the received IE as described in 5.2.4.33.4. |

###### 

###### 6.2.12 Primitives for updating the superframe configuration

###### 6.2.12.1 MLME-START.request

Insert the following parameters at the end of the list in 6.2.12.1 (before closing parenthesis)

DeviceCategory

DeviceIDType

DeviceID

NumberofLocations

DeviceLocationsInfo

ChannelListID

ChannelInfoStatus

SourceInfo

LocationofKnownSource

AddressofKnownSource

TVWSAvailableChannelDescriptionofKnownSource

CTMControl

ChannelListInfo

Insert the following rows at the end of Table 34:

###### Table 34—MLME-START.request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| DeviceCategory | Integer | 0-255 | If the parameter is present, specifies the content of the TVWS device category IE as described in 5.2.4.33.1. |
| DeviceIDType | Integer | 0-255 | If the parameter is present, specifies the content of the device identification IE as described in 5.2.4.33.2. |
| DeviceID | Set of octets | See [Figure 48nt](#_bookmark67) and [Figure 48nu](#_bookmark70) | If the parameter is present, specifies the content of the device identification IE as described in 5.2.4.33.2. |
| NumberofLocations | Integer | 0-255 | If the parameter is present, specifies the content of the TVWS device location IE as described in 5.2.4.33.3. |
| DeviceLocationsInfo | Set of octets | - | If the parameter is present, specifies the content of the TVWS device location IE as described in 5.2.4.33.3. |
| ChanneListID | Integer | 0-255 | If the parameter is present, specifies the content of the channel information query request/ response IE as described in 5.2.4.33.4. |
| ChannelInfoStatus | Integer | See [Table 4ik.](#_bookmark80) | Indication on whether the channel information query is a request or a response, and if the parameter is present, specifies the content of the channel information query request/ response IE. 5.2.4.33.4 describes the information contained in this parameter. |
| SourceInfo | Integer | See [Table 4im](#_bookmark92). | If the parameter is present, specifies the content of the TVWS channel information source description IE as described in 5.2.4.33.5. |
| LocationofKnownSource | Set of octets | See Table 4ij. | Specifies the location of the device acting as the source of channel availability data of the TVWS channel information source description IE as described in 5.2.4.33.5. |
| AddressofKnownSource | Device address | Extended IEEE address | When present, specifies the device acting as the source of channel availability data of the TVWS channel information source description IE as described in 5.2.4.33.5. |
| TVWSAvailableChannelDescriptionofKnownSource | Set of octets | See [Figure 48ny.](#_bookmark85) | When present specifies the TVWS channel being used by the known source of the TVWS channel information source description IE as described in 5.2.4.33.5. |

|  |  |  |  |
| --- | --- | --- | --- |
| CTMControl | Integer | See [Table 4in.](#_bookmark96) | If the parameter is present, specifies the content of the channel timing management IE as described in 5.2.4.33.6. |
|  |  |  |  |
| ChannelListInfo | Set of octets | See Figure 48nx. | If the parameter is present, specifies the content of the channel information query request/ response IE as described in 5.2.4.33.4. |

Additional changes to the text need to be made as follows,

5.2.4.33.2 Change the title of Figure 48nt to Device ID field format

5.2.4.33.2 Change the title of Figure 48nu to ID string field

5.2.4.33.3 Change the title of Figure 48nv to TVWS device location IE

5.2.4.33.4 Change the length of the “TVWS Available Frequency Range” in Figure 48ny to 5 octets.

6.2.23.3 Make the following changes to Table 44zc as shown below,

|  |  |  |  |
| --- | --- | --- | --- |
| StartBandEdge | Set of octets | Figure 59dh | The frequency in kHz indicating  the lower edge of the band as described in 5.3.15.2. |