IEEE P802.19  
Wireless Coexistence

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| Mobility Information Parameters in Profile 1 | | | | |
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Abstract

This document provides text proposal for comment resolution CID #84 of the document IEEE 802.19-13/0057r10 on including mobility information in profile 1.

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**Comments CID #84**

Include MobilityInformation in profile 1.

**Proposal**

*It is proposed to add mobilityInforamtion (optionally present) in GetRegInfoResponse primitive table, ceRegistrationRequest table and NewRegInfoIndication table as follows.*

* GetRegInfoResponse primitive table (Page 137-138, DF3.05\_Clean):

|  |  |  |
| --- | --- | --- |
| *Parameter* | *Data type* | *Description* |
| ***networkID*** | ***OCTET STRING*** | Identifier of the network which the WSO represents. As an example, in case of IEEE 802.11, this parameter contains the BSSID used by the WSO. |
| ***networkTechnology*** | ***NetworkTechnology*** | Indicates the radio access technology which the WSO uses. |
| ***networkType*** | ***NetworkType*** | Indicates network type as specified in regulations. |
| ***discoveryInformation*** | ***DiscoveryInformation*** | Discovery information of the WSO. |
| ***txScheduleSupported*** | ***BOOLEAN*** | Indicates whether scheduled transmission is supported or not |
| ***listOfAvailableChNumbers*** | ***ListOfAvailableChNumbers*** | Information about available white space channels (see table below). |
| ***listOfSupportedChNumbers*** | ***SEQUENCE OF INTEGER*** | List of supported channel number. |
| ***listOfOperatingChNumbers*** | ***ListOfOperatingChNumbers*** | The WSO operating channel numbers (see table below). |
| ***requiredResource*** | ***RequiredResource*** | Resource required for the WSO operation (see table below). |
| ***measurementCapability*** | ***MeasurementCapability*** | Measurement capability of the WSO  (***Energy detection*** or ***feature detection***) |
| ***mobilityInformation*** | ***MobilityInformation*** | WSO mobility information (see Table below) |

After the table showing ***requiredResource*** parameter (Page 138-Line 9, DF3.05\_Clean), add the following:

Table below shows the data type of the ***mobilityInformation*** Parameter.

|  |  |  |
| --- | --- | --- |
| *Parameter* | *Data type* | *Description* |
| ***maxSpeed*** | ***REAL*** | Optionally present. If present, this parameter shall be set to indicate the maximum speed value of the WSO (in km/h) |
| ***speedInformation*** | ***SpeedInformation*** | Optionally present. If present, this parameter shall be set to indicate detailed information on the WSO speed and direction. |
| ***routeInformation*** | ***RouteInformation*** | Optionally present. If present, this parameter shall be set to indicate the WSO planned route and time. |

* ceRegistrationRequest table (Page 139, DF3.05\_Clean)

|  |  |  |
| --- | --- | --- |
| *Parameter* | *Data type* | *Description* |
| ***operationCode*** | ***OperationCode*** | Operation code (new, modify, remove) |
| ***networkID*** | ***OCTET STRING*** | Identifier of the network which the WSO represents. As an example, in case of IEEE 802.11, this parameter contains the BSSID used by the WSO. |
| ***networkTechnology*** | ***NetworkTechnology*** | Indicates the radio access technology which the WSO uses. |
| ***networkType*** | ***NetworkType*** | Indicates network type as specified in regulations. |
| ***discoveryInformation*** | ***DiscoveryInformation*** | Discovery information of the WSO. |
| ***txScheduleSupported*** | ***BOOLEAN*** | Indicates whether scheduled transmission is supported or not |
| ***listOfAvailableChNumbers*** | ***ListOfAvailableChNumbers*** | Information about available white space channels (see table below). |
| ***listOfSupportedChNumbers*** | ***SEQUENCE OF INTEGER*** | List of supported channel number. |
| ***listOfOperatingChNumbers*** | ***ListOfOperatingChNumbers*** | The WSO operating channel numbers (see table below). |
| ***requiredResource*** | ***RequiredResource*** | Resource required for the WSO operation (see table below). |
| ***measurementCapability*** | ***MeasurementCapability*** | Measurement capability of the WSO  (***Energy detection*** or ***feature detection***) |
| ***mobilityInformation*** | ***MobilityInformation*** | WSO mobility information (see table) |

* NewRegInfoIndication primitive table (Page 139-140, DF3.05\_Clean)

|  |  |  |
| --- | --- | --- |
| *Parameter* | *Data type* | *Description* |
| ***operationCode*** | ***OperationCode*** | Operation code (new, modify, remove) |
| ***networkID*** | ***OCTET STRING*** | Identifier of the network which the WSO represents. As an example, in case of IEEE 802.11, this parameter contains the BSSID used by the WSO. |
| ***networkTechnology*** | ***NetworkTechnology*** | Indicates the radio access technology which the WSO uses. |
| ***networkType*** | ***NetworkType*** | Indicates network type as specified in regulations. |
| ***discoveryInformation*** | ***DiscoveryInformation*** | Discovery information of the WSO. |
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| ***listOfOperatingChNumbers*** | ***ListOfOperatingChNumbers*** | The WSO operating channel numbers (see table below). |
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| ***measurementCapability*** | ***MeasurementCapability*** | Measurement capability of the WSO  (***Energy detection*** or ***feature detection***) |
| ***mobilityInformation*** | ***MobilityInformation*** | WSO mobility information (see table) |