IEEE P802.19  
Wireless Coexistence

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| --- | --- | --- | --- | --- |
| Proposed resolution to comment to clause 4.2.2.3.3 | | | | |
| Date: 2012-05-13 | | | | |
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Abstract

This document is a submission to IEEE 802.19 TG1 proposing resolution to comment to clause 4.2.2.3.3.

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# Comment

To simplify CM operation it is better to provide available channel information during the registration update.

NetworkID data type definition is redundant.

# Proposed resolution

*It is proposed to modify the current text in clause 4.2.2.3.3 as shown below:*

* + - * 1. NewRegInfo.indication

This primitive is used by a WSO to update its registration information in the coexistence system.

The semantics of this primitive are:

NewRegInfo.indication (

networkID,

networkTechnology,

networkType,

discoveryInformation,

ACLR,

ACS,

guranteedQoSOfBackhaulConnection,

listOfSupportedFrequencies,

listOfSupportedChNumber

minTxPower,

txScheduleSupported,

networkTechnologyReconfigurationSupported,

addNetworkTechnology,

listOfOperatingFrequencies,

listOfOperatingChNumber,

radioEnvironmentInformation optional,

requiredResource

)

The primitive parameters are defined in Table 15.

1. — NewRegInfo.indication primitive parameters

|  |  |  |
| --- | --- | --- |
| Name | Data type | Description |
| networkID | OCTET STRING | For example, BSS ID |
| networkTechnology | NetworkTechnology | For example 802.11af, 802.22 |
| networkType | NetworkType | For example fixed, mode 2 |
| discoveryInformation | DiscoveryInformation | Information for coexistence discovery, e.g., location information, maximum transmission power, receiver sensitivity, antenna gain, minimum SINR required for system operation, other information needed to calculate coverage and interference areas |
| ACLR | Real | Adjacent channel leakage ratio of the TVBD device |
| ACS | Real | Adjacent channel selectivity of the receiver |
| guaranteedQoSOfBackhaulConnection | GuaranteedQoSOfBackhaulConnection | Guaranteed QoS of backhaul connection in the  TVBD device |
| availableChannelsInformation | CxMediaAvailableChannelsInformation | Channels available for WSO transmission |
| listOfSupportedFrequencies | ListOfSupportedFrequencies optional | List of supported operating frequencies |
| listOfSupportedChNumber | Sequence of integers optional | List of supported channel numbers |
| minTxPower | Real | Minimum transmission power |
| txScheduleSupported | Boolean | Indicates whether scheduled transmission is supported or not |
| networkTechnologyReconfigurationSupported | Boolean | Indicates whether network technology reconfiguration can be requested by CM |
| addNetworkTechnology | Sequence of NetworkTechnology | Additional supported network technologies |
| listOfOperatingFrequencies | ListOfOperatingFrequencies optional | List of operating frequencies including occupancy of each operating frequency. The occupancy is indicated as percentage of time the WSO radiates in the indicated operating frequency. |
| listOfOperatingChNumber | Sequence of integers optional | List of operating channel numbers |
| radioEnvironmentInformation | RadioEnvironmentInformation optional | Information on radio environment as observed by this WSO |
| requiredResource | RequiredResource | Information on resource required for operation of this WSO |

When the CE receives this primitive, it updates the registration information with the most newly received values.