IEEE P802.11  
Wireless LANs

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| Comment Resolution subclause 31.6 | | | | |
| Date: 2021-08-26 | | | | |
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Abstract

This submission resolve the following comments for subclause 31.6 of 802.11bd D2.0:

* 2171,2215

Revisions:

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 TGax Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGax Editor: Editing instructions preceded by “TGax Editor” are instructions to the TGax editor to modify existing material in the TGax draft. As a result of adopting the changes, the TGax editor will execute the instructions rather than copy them to the TGax Draft.***

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| **CID** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 2171 | 61 | 46 | Note that in Annex C.3 MIB Detail the "dot11STAMeasurementPeriod" is defined as "dot11StationMeasurementPeriod". Hence replace the two occurences of "dot11STAMeasurementPeriod" with "dot11StationMeasurementPeriod" in this subclause. | as in comment | Revised  TGbd editor to replace “dot11STAMeasurementPeriod” with “dot11StationMeasurementPeriod” through the draft. |
| 2215 | 41 | 42 | How does the upper layer request the NGV radio environment reports? This appears to be a missing MLME primitive. Or if this is requested through the MIB attribute setting, that should be more clear. (Also fix/remove typo "up" -> "upper") | Add an MLME primitive to request the NGV radio environment reports, or clarify that this control is done through the MIB attributes by changing "If requested by the up (sic) layer" to simply "If dot11...MeasurementPeriod is not equal to 0, the NGV STA shall..." | Revised  Discussion: Generally agree with the commenter.  TGbd editor to make changes in 11-21/1412r3 under CID 2215 |

***TGbd editor: change subclause 6.6 as follows:(#2215)***

**6.6 NGV radio environment report**

**6.6.1 Introduction**

The mechanism provides periodic reports on the radio environment for use in rapidly varying radio environments.

**6.6.2 MA-RADIOENVIRONMENT.request**

**6.6.2.1 Function**

This primitive is used to request the status information on the state of the STA’s radio environment.

**6.6.2.2 Semantics of the service primitive**

The primitive parameters are as follows:

MA-RADIOENVIRONMENT.request (

RadioEnvironmentMeasurementPeriod

) ) )

**6.6.2.3 When generated**

The primitive is generated when the upper layer entity wants to acquire the status information on the state of the STA’s radio environment.

**6.6.3 MA-RADIOENVIRONMENT.indication**

**6.6.3.1 Function**

This primitive provides status information on the state of the STA’s radio environment.

**6.6.3.2 Semantics of the service primitive**

The primitive parameters are as follows:

MA-RADIOENVIRONMENT.indication(

(#1059)StationCount,

(#1059)NGVCapabilityPercentage,

(#1059)ChannelBusyPercentage

) ) )

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| Name | Type | Valid range | Description |
| StationCount | Integer |  | Indicates the number of unique individual station MAC addresses detected during (#1379)the most recent measurement period of duration dot11RadioEnvironmentMeasurementPeriod. (#1747)When StationCount is equal to 0, the NGVCapabilityPercentage shall be set to 0. |
| NGVCapabilityPercentage(#1373) | Integer | 0-100 | Indicates the percentage of the stations indicated in StationCount (#1396)whose transmissions contain indication of NGV capability(#1745). |
| ChannelBusyPercentage | Integer | 0-100 | The percentage of time the channel was busy during the most recent measurement of duration dot11RadioEnvironmentMeasurementPeriod.(#1212) The channel is busy when the NGV STA is either transmitting or its clear channel assessment function indicates the channel is busy. (#1746) It is calculated as follows: |

**6.6.3.3 When generated**

The primitive is generated by the MAC entity every dot11RadioEnvironmentMeasurementPeriod if

dot11NGVActivated is true.