IEEE P802.11  
Wireless LANs

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| Comment Resolution 5.2.4, 5.2.5 | | | | |
| Date: 2021-05-15 | | | | |
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Abstract

This submission resolve the following comments for subclause 5.2.4, 5.2.5 of 802.11bd D1.0:

* 1203, 1271, 1368, 1392, 1551

Revisions:

R1: CID 1203 is deferred pper the feedback received.

R2: resolve CID 1203

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** |
| 1203 | 19 | 64 | The description of the radio environment status vector states that it provides information about "the most recent NGV reception" and that it is present if and only if dot11NGVActivated is true. There is a logical problem of what to do if dot11NGVActivated is true and if the MA-UNITDATA.indication primitive is invoked for the reception of a non-NGV PDU. To solve that problem, we should remove the qualifier "NGV", so that it is used to report on the most recent reception (NGV or non-NGV). | Change "most recent NGV reception" to "most recent reception". Alternatively change to "most recent NGV or non-NGV PPDU reception". | Revised  TGbd editor to make changes in 11-21/872r2 under CID 1203. |
| 1271 | 19 | 35 | Comment from TGbd ARC meeting: What is the intent of the MA-UNITDATA.indication, is it meant to provide the channel/radio information for a received MSDU or it a "local" response to the request to set the channel/radio information on the transmitter? | Explain the intended use of the MA-UNITDATA.indication radio environment request vector. | Rejected  Discussion: the radio environment status vector in MA-UNITDATA.indication provides the initiating STA’s capabilities information and the transmitting parameters. The parameters can be used by the up layer to select the parameters for the following data frame transmission to the initiating STA. |
| 1368 | 20 | 18 | This primitive is an .indication. I suspect the added parameter is supposed to be a "radio environment status vector", not a "... request vector". | Change "radio environment request vector" to "radio environment status vector". Also change the description paragraph, to match the one for the "status vector" in the MA-UNITDATA.indication subclause. | Rejected  Discussion: the MA-UNITDATA-STATUS.indication is used to provide the LLC sublayer with status information for the  corresponding preceding MA-UNITDATA.request primitive. So radio environment request vector is correct. |
| 1392 | 20 | 24 | In the STATUS.ind the RERV can't be for "the higher-layer entities to indicate the desired format, encoding, and MPDU handling for NGV transmission" since it's an ind not a req | Delete this parameter from this primitive (the upper layers don't need reminding what they asked for, surely) | Revised  Discussion: the radio environment request vector in provides the information about the actual parameters being used to transmit the frame, e.g. actual BW.  TGbd editor to make changes in 11-21/0872r1 under CID 1392 |
| 1551 | 20 | 24 | Three changes are suggested in this line; change "indicate" to "configure," change "encoding" to "MCS," and add "PPDU" as shown "The radio environment request vector (see Clause 5.3.1 (Radio Environment Request Vector)) allows the higher-layer entities to configure the PPDU format, MCS, and MPDU handling for NGV transmission." | As in the comment. | Revised  Discussion:the Radio Environment Request Vector in MA-UNITDATA-STATUS.indication provide the actual transmitting parameters for the related MSDU.  TGbd editor to make changes in 11-21/0872r1 under CID 1551 |

**5.2.4 MA-UNITDATA.indication**

***TGbd editor: change 5.2.4.2 as follows (the text not shown is not changed):***

**5.2.4.2 Semantics of the service primitive**

***Change the first paragraph as follows:***

The parameters of the primitive are as follows:

MA-UNITDATA.indication(

source address,

destination address,

routing information,

data,

reception status,

priority,

drop eligible,

service class,

station vector,

MSDU format,

radio environment status vector

)

***Insert the following after the last paragraph:***

The radio environment status vector provides information to higher layer entities about the current radio

environment and the most recent reception. This parameter shall be present when dot11NGVActivated is TRUE and absent otherwise. (#1203)

**5.2.5 MA-UNITDATA-STATUS.indication**

**5.2.5.2 Semantics of the service primitive**

***TGbd editor: change 5.2.5.2 as follows (the text not shown is not changed):***

……

(#1392, 1551)The radio environment request vector (see Clause 5.3.1 (Radio Environment Request Vector)) is used by the

MAC entity to report the used format, encoding, and MPDU handling for NGV transmission.

This parameter shall be present when dot11NGVActivated is TRUE and absent otherwise.

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