IEEE P802.11  
Wireless LANs

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| CR for CIDs 20475, 20788 and 21618 | | | | |
| Date: 2019-09-18 | | | | |
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Abstract

This submission solves three remaining CIDs, 20475, 20788 and 21618 related to OMI.

R0 – Original submission

R1 – As a response to comments received from ax task group TUE AM2, modified comment resolution to CID 21618, highlighted with green color.

R2 – Editorial changes to the clause 26.5.8 as proposed by Mark Rison.

R3 – Further editorial changes to the clause 26.5.8 as proposed by Mark Rison.

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| CID | Clause | Comment | Proposed change | Resolution |
| 20475 | 26.9.3 | "The OMI responder shall indicate an RU allocation in the RU Allocation subfield of the Per User Info field  of a Trigger frame or TRS Control subfield addressed to the OMI initiator" is not clear | Change the cited text at the referenced location to "The OMI responder shall indicate to the OMI initiator an RU allocation in the RU Allocation subfield (of the Per User Info field  of a Trigger frame, or of a TRS Control subfield)" | Revised. The CID is similar to already resolved CID 21541. Keep the same wording as in D4.3:” The OMI responder shall indicate an RU allocation in the RU Allocation subfield of the User Info field(#21541) of a Trigger frame or TRS Control subfield addressed to the OMI initiator,…” |
| 21618 | 9.2.4.6a.2 | UL MU Data disable cannot guarantee a short TB PPDU duration which is needed for some coex scenario | Define UL MU data disable to make sure it will generate short TB PPDU which can be garanteed. | Revised. Agree in principle. The TSPEC can be used to negotiate maximum TB PPDU duration. TGax editor implement the changes as shown in the 19/1618r3. |
| 20788 | 26.9.2 | Re CID 16362: the resolution fails to provide a justification of the value of allowing an AP to lie (also can a non-AP STA lie?) | Change "should" to "shall" in "An OMI initiator that is an HE AP should be capable of receiving within an operating channel width and  with NSS that are up to the values of the most recently transmitted Channel Width subfield and Rx NSS sub-  field that the OMI initiator has successfully indicated in the OM Control subfield or in the Operating Mode  field sent to any associated STA." | Rejected.  The OMI initiator (AP or non-AP STA) is recommented to make the ROM parameter only after the TXOP (please refer to paragraph preceding this paragraph). Hence during a certain TXOP the ROM parameter might still have not changed, hence the recommendation that for the AP (which serves multiple STAs) in contrast to a non-AP STA that only interacts with one (AP) the language specifies that the AP is recommended to be capable of receiving with any of the ROM parameters it has advertised to any of the associated STAs. |

**9.4.1.9 Status Code field**

*TGax Editor:Please insert the new Status Code Value as shown below*

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| Status code | Name | Meaning |
| ANA | ACCEPTED\_WITH\_TB\_RESTRICTION | Same as SUCCESS with a restriction to the maximum HE TB PPDUs duration the AP is allowed to trigger for the requesting STA, see 26.5.8(Use of TSPEC by HE STAs). [21618] |
| ANA+1 - 65535 |  | Reserved. |

**9.4.2.29 TSPEC element**

*TGax Editor: Please change the Medium Time field description as shown below.*

The Medium Time field contained in an ADDDTS Response frame is an unsigned integer and contains the amount of time admitted to access the medium, in units of 32 µs/s. ~~This field is reserved in the ADDTS Request frame and is set by the HC in the ADDTS Response frame.~~ The derivation of this field is described in K.2.2 (Deriving medium time). This field is set by the HC and is not used for controlled channel access. [21618]

The Medium Time field contained in an ADDTS Request frame sent by an HE non-AP STA to an HE AP is set to a nonzero value to indicate the maximum duration of HE TB PPDUs that the AP is allowed to allocate, in units of 128 µs, and is set to 0 to indicate that there is no limitation to the maximum duration of HE TB PPDUs. The Medium Time field is reserved if contained in an ADDTS Request frame sent by a non-HE STA or sent to a non-HE STA. [21618]

**26.5.8 Use of TSPEC by HE STAs**

*TGax Editor: Please add the new paragraph after the first paragraph of the clause as shown below. Add new ACCEPTED\_WITH\_TB\_RESTRICTION*

If an HE AP receives from an HE non-AP STA an ADDTS Request frame with a nonzero value in the Medium Time field and the AP responds with an ADDTS Response frame with the Status Code field indicating ACCEPTED\_WITH\_TB\_RESTRICTION, then the TS setup is completed as if the Status Code field was SUCCESS and the HE AP shall not transmit triggering frames that allocate an RU in an HE TB PPDU for the non-AP STA whose duration exceeds the duration indicated by the Medium Time field. The HE AP may respond to the ADDTS Request frame that has a nonzero value in the Medium Time field with an ADDTS Response frame containing another value in the Status Code field. If the Status Code field in the ADDTS Response frame indicates SUCCESS, then the ADDTS Response frame indicates that traffic stream is created and there is no restriction on the HE TB PPDU duration. The HE AP shall not respond with the Status Code field set to ACCEPTED\_WITH\_TB\_RESTRICTION if the Medium Time field in the ADDTS Request frame was zero.[21618]