IEEE P802.11
Wireless LANs

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| SA1 CR MAC Miscellaneous |
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Abstract

This submission proposes resolutions of comments received from TGax 1st SA Ballot.

(The proposed change is based on TGax Draft 6.1.)

* CIDs: 24402, 24465 (2 CIDs)

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.***

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- |
| 24402 |  | C.3 | [Resubmission of comment withdrawn on D5.0] OCW defaults should be in the MIB, just like EDCA defaults are | As it says in the comment | Revised- Agree in principle. TGax editor makes changes as shown in the as specified in 11-20/1063r0. |
| ***TGax Editor: Change the Annex C.3 (MIB Detail) as follows (#24402):*** Dot11HEStationConfigEntry ::= SEQUENCE { … dot11MinPSCProbeDelay Unsigned32,dot11OCWmin Unsigned32,dot11OCWmax Unsigned32 }dot11OCWmin OBJECT-TYPESYNTAX Unsigned32 (0..127)MAX-ACCESS read-writeSTATUS currentDESCRIPTION"This is a control variable.It is written by an external management entity.Changes take effect as soon as practical in the implementation.This attribute specifies the value of the minimum size of the OFDMA contention window (OCW) that shall be used by the non-AP STA to initiate random access following the Trigger frame transmission."DEFVAL { 7 }::= { dot11HEStationConfigEntry 40 }dot11OCWmax OBJECT-TYPESYNTAX Unsigned32 (0..127)MAX-ACCESS read-writeSTATUS currentDESCRIPTION"This is a control variable.It is written by an external management entity.Changes take effect as soon as practical in the implementation.This attribute specifies the value of the maximum size of the OFDMA contention window (OCW) that shall be used by the non-AP STA to initiate random access following the Trigger frame transmission."DEFVAL { 31 }::= { dot11HEStationConfigEntry 41 }dot11HEComplianceGroup OBJECT-GROUP OBJECTS { …dot11MinPSCProbeDelay,dot11OCWmin, dot11OCWmax } STATUS current DESCRIPTION "Attributes that configure the HE Group for IEEE 802.11."::= { dot11Groups 100 } |
| 24465 | 220.20 | 9.4.2.262 | "The UL MU Power Capabilities element indicates the relative maximum transmitpower that a STA is capable of transmitting an HE TB PPDU for each HE-MCS in the operating channelwidth" -- but this doesn't work, because the operating channel width can change (and there's no mechanism for the element to be updated, since it's only included in the (re)assoc req). The resolution to CID 22265 seems to be saying ("it does not represent the power beyond the current operating channel") that the information would become useless if the operating channel width changed, which sounds pretty bad to me. The information passed needs to work for all oeprating channel widths | Delete " in the operating channel width" from the cited text. In 26.5.9 delete "in the current operating channel width " | Revised- Agree in principle. In addition to the proposed changes from the commenter, Please TGax editor remove the first sentence in 9.4.2.2.62 because this is a redundant sentence with the second sentence. TGax editor makes changes as shown in the as specified in 11-20/1063r0. |
| ***TGax Editor: Change the subclause 9.4.2.262 as follows (#24465):*** **9.4.2.262 UL MU Power Capabilities element** ~~The UL MU Power Capabilities element specifies the relative maximum transmit powers with which a STA is capable of transmitting an HE TB PPDU when using an RU size greater than or equal to 242 tones, as a function of HE-MCS.~~ The UL MU Power Capabilities element indicates the relative maximum transmit power that a STA is capable of transmitting an HE TB PPDU for each HE-MCS ~~in the operating channel width~~ when using RU size greater than or equal to 242 subcarriers. The format of the UL MU Power Capa-bilities element is shown in Figure 9-787aj (UL MU Power Capabilities element format).***TGax Editor: Change the subclause26.5.9 as follows (#24465):*** **26.5.9 UL MU transmit power capabilities**A non-AP HE STA may use the UL MU Power Capabilities element in an (Re)Association Request frame in order to inform an HE AP of the relative maximum transmit power at which the non-AP HE STA is capable of transmitting an HE TB PPDU for each HE-MCS ~~in the current operating channel width~~ when using an RU size greater than or equal to 242 subcarriers. |