IEEE P802.11  
Wireless LANs

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| Resolution for CIDs 5, 511 and 592 | | | | |
| Date: October 21, 2021 | | | | |
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Abstract

This submission proposes resolutions for the following CIDs received for TGm CC35: 5, 511, 592

Revisions:

* Rev 0: Initial version of the document.
  + Resolves CID 5. CID 511 and 592 will be resolved in later revisions of this doc.

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

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

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

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| **CID** | **Commenter** | **Page** | **Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 5 | Abhishek Patil | 2251.00 | 37 | 11.8.3 | The rules on pg 2251 in paragraph starting line 37 and those on pg 2252 paragraph starting line 10 are vague in the sense that they don't explicitly state that a STA must not start a new transmission within the quiet period. | Provide explicit rules that a STA shall not begin a new transmission within the quiet period. | **Revised**  The bullets in paragraph starting P2787L31 of REVmd D0.4 do provide rules that would prohibit a STA from transmitting a frame during the quiet period. The first two bullet of this paragraph are updated to make them consistent with the rests of the bullets. The text is revised to be normative and applicable to a single non-AP STA.  **TGm editor, please make changes as shown in doc 11-21/1660r0 tagged CID 5** |

***TGm editor, the baseline for this document is REVme 0.4***

* Quieting channels for testing

***TGm editor, please update the first two bullets in the following paragraph in this subclause as shown below:***

Control of the channel is lost at the start of a quiet interval, and the following quieting rules apply:

* The NAV shall be set by a non-VHT STA in the BSS for the length of the quiet interval established by a Quiet element.
* The NAV shall be set by a VHT STA in the BSS for the duration of the quiet interval established by a Quiet element if a Quiet Channel element was not sent or received with the Quiet element.
* A VHT STA in the BSS shall not transmit PPDUs that occupy the secondary 80 MHz channel or, in an infrastructure BSS, transmit PPDUs to the AP during the quiet interval established by a Quiet element if a Quiet Channel element with the AP Quiet Mode field equal to 0 was sent or received with the Quiet element.
* A VHT STA in an infrastructure BSS shall not transmit PPDUs that occupy the secondary 80 MHz channel during the quiet interval established by a Quiet Channel element with the AP Quiet Mode field in the Quiet Channel element equal to 1.
* Transmission by any non-VHT STA in the BSS of any MPDU and any associated acknowledgment within either the primary channel or the secondary channel (if present) shall complete before the start of the quiet interval.
* Transmission by any VHT STA in the BSS of any MPDU and any associated acknowledgment of the BSS shall complete before the start of the quiet interval established by a Quiet element if a Quiet Channel element was not sent or received with the Quiet element.
* Transmission by any VHT STA in the BSS of any PPDUs that occupy the secondary 80 MHz channel or, in an infrastructure BSS, are directed to the AP, and any associated acknowledgment of the BSS, shall complete before the start of the quiet interval established by a Quiet element if a Quiet Channel element with the AP Quiet Mode field equal to 0 was sent or received with the Quiet element.
* Transmission by any VHT STA in the infrastructure BSS of any PPDUs that occupy the secondary 80 MHz channel and any associated acknowledgment of the BSS shall complete before the start of the quiet interval established by a Quiet Channel element with the AP Quiet Mode field in the Quiet Channel element equal to 1.

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| 511 | Mark RISON | 847.00 | 28 | 9.3.3.2 | "Channel Switch Announcement element is optionally present if dot11SpectrumManagementRequired is true." -- so you can't do channel switch without spectrum management? | Just say it's optionally present |  |

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| 592 | Thomas Derham | 2281.00 |  | 11.9 | It is unclear when ECS (and CSA in general) can be used. Can it be used if the supported/allowed capabilities on the original channel and target channel are different? Example use case is a switch between 5 and 6 GHz | Add clarifying text, and consider any needed enhancements to make cross-band channel switch (or any case where caps may be different) efficient. If CSA/ECS can't be used in some cases, clarify (and define if needed) appropriate mechanism, e.g. using reassoc, ideally avoiding any security implications such as SA query |  |