### IEEE P802.11 Wireless LANs

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| 11ax D4.2 MAC Comment Resolution for NAV part II | | | | |
| Date: 2019-06-18 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Po-Kai Huang | Intel Corporation | 2200 Mission College Blvd, Santa Clara, CA 950542200 |  | po-kai.huang@intel.com |
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Abstract

This submission proposes resolutions for comments of TGax Draft D4.2 with the following CIDs:

20188, 21599, 20189, 21600, 20190, 21601

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Revison based on the feedback received offline.

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 D4.2 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax D4.2 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** | **Commenter** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 20188 | Chunyu Hu | 338.61 | 26.5.3.5 | "The intra-BSS NAV is not considered in virtual CS for a non-AP STA that responds to a Trigger frame." needs better wording. | Suggest to change to: "The intra-BSS NAV is not considered by a non-AP STA when examining the virtual CS as part of the determination of whether it may respond to a Trigger frame" | Revised –  Agree in principle. We do editorial revision to align with the baseline writing style.  *A STA that receives an RTS frame addressed to it considers the NAV in determining whether to respond*  *with CTS, unless the NAV was set by a frame originating from the STA sending the RTS frame (see*  *10.24.2.2 (EDCA backoff procedure)).*  We also clarify that this sentence is for response to associated AP and add a note about consideration of intra-BSS NAV to unassociated AP.  TGax editor to make the changes shown in 11-19/1014r1 under all headings that include CID 20188 |
| 21599 | Zhou Lan | 338.61 | 26.5.3.5 | "The intra-BSS NAV is not considered in virtual CS for a non-AP STA that responds to a Trigger frame." needs better wording. | Suggest to change to: "The intra-BSS NAV is not considered by a non-AP STA when examining the virtual CS as part of the determination of whether it may respond to a Trigger frame" | Revised –  Agree in principle. We do editorial revision to align with the baseline writing style.  We also clarify that this sentence is for response to associated AP and add a note about consideration of intra-BSS NAV to unassociated AP.  *A STA that receives an RTS frame addressed to it considers the NAV in determining whether to respond*  *with CTS, unless the NAV was set by a frame originating from the STA sending the RTS frame (see*  *10.24.2.2 (EDCA backoff procedure)).*  TGax editor to make the changes shown in 11-19/1014r1 under all headings that include CID 21599 |
| 20189 | Chunyu Hu | 338.64 | 26.5.3.5 | "The basic NAV is considered in virtual CS for a STA that responds to a Trigger frame from an associated AP if the counter of the basic NAV is not 0." needs better wording. | Suggest to change to: "The basic NAV is considered by a STA when examining the virtual CS as part of determination of whether it may respond to the trigger frame from an associated AP." | Revised –  Agree in principle. We do editorial revision to align with the baseline writing style.  *A STA that receives an RTS frame addressed to it considers the NAV in determining whether to respond*  *with CTS, unless the NAV was set by a frame originating from the STA sending the RTS frame (see*  *10.24.2.2 (EDCA backoff procedure)).*  TGax editor to make the changes shown in 11-19/1014r1 under all headings that include CID 20189 |
| 21600 | Zhou Lan | 338.64 | 26.5.3.5 | "The basic NAV is considered in virtual CS for a STA that responds to a Trigger frame from an associated AP if the counter of the basic NAV is not 0." needs better wording. | Suggest to change to: "The basic NAV is considered by a STA when examining the virtual CS as part of determination of whether it may respond to the trigger frame from an associated AP." | Revised –  Agree in principle. We do editorial revision to align with the baseline writing style.  *A STA that receives an RTS frame addressed to it considers the NAV in determining whether to respond*  *with CTS, unless the NAV was set by a frame originating from the STA sending the RTS frame (see*  *10.24.2.2 (EDCA backoff procedure)).*  TGax editor to make the changes shown in 11-19/1014r1 under all headings that include CID 21600 |
| 20190 | Chunyu Hu | 339.01 | 26.5.3.5 | "A NAV is considered in virtual CS for a non-AP STA" | Similar to above. There are multiple similar sentences that need similar re-wording. | Revised –  Agree in principle. We do editorial revision to align with the baseline writing style.  *A STA that receives an RTS frame addressed to it considers the NAV in determining whether to respond*  *with CTS, unless the NAV was set by a frame originating from the STA sending the RTS frame (see*  *10.24.2.2 (EDCA backoff procedure)).*  TGax editor to make the changes shown in 11-19/1014r1 under all headings that include CID 20190 |
| 21601 | Zhou Lan | 339.01 | 26.5.3.5 | "A NAV is considered in virtual CS for a non-AP STA" | Similar to above. There are multiple similar sentences that need similar re-wording. | Revised –  Agree in principle. We do editorial revision to align with the baseline writing style.  *A STA that receives an RTS frame addressed to it considers the NAV in determining whether to respond*  *with CTS, unless the NAV was set by a frame originating from the STA sending the RTS frame (see*  *10.24.2.2 (EDCA backoff procedure)).*  TGax editor to make the changes shown in 11-19/1014r1 under all headings that include CID 21601 |

**Discussion:** *None.*

**Propose:** Revised for CID 20188, 21599, 20189, 21600, 20190, 21601 per discussion and editing instructions in 11-19/1014r1.

***TGax editor: Change 26.5.2.5 UL MU CS mechanism as follows:***

**26.5.2.5 UL MU CS mechanism**

(…existing texts….)

The intra-BSS NAV is not considered in virtual CS by a non-AP STA in determining whether to respond to a Trigger frame sent by its associated AP. (#20188, #21599)

The basic NAV is considered in virtual CS by a STA in determining whether to respond to a Trigger frame sent by itsassociated AP if the counter of the basic NAV is not 0. (#20189, #21600)

(…existing texts….)

A NAV is considered in virtual CS by a non-AP STA in determining whether to respond to a Trigger frame sent by an unassociated AP through the UORA procedure (see 26.5.5 (UL OFDMA-based random access (UORA))) unless one of the following conditions is met: (#20190, #21601)

— The NAV was set by a frame originating from the AP sending the Trigger frame

— The NAV counter is 0

NOTE—Based on the description above, the intra-BSS NAV is considered in virtual CS by a non-AP STA associated with an AP and that responds to a Trigger frame with RU allocations for unassociated STAs sent by another AP. (#20188, #21599)