IEEE P802.11  
Wireless LANs

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| CR for TXS and SCS related CIDs | | | | |
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Abstract

This document proposes resolution to following CIDs relative to 11be draft 4.0:

19072 19074 19073 19236 19339 19568 19730 19404 19405 19460 19406

19340 19313 19424 19906 19827 19902

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| **CID** | **Clause Number** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 19072 | 35.2.1.2.3 | 487.06 | It is better to change "the time allocated in the Trigger frame" to "the time allocated in the MU-RTS TXS Trigger frame". | As in comment. | **Reject.**  In the beginning of the sentence it is clarified that the TF is an MU-RTS TXS Trigger frame. |
| 19074 | 35.2.1.2.3 | 487.30 | Change "assists" to "assist". | As in comment. | **Accept.** |
| 19073 | 35.2.1.2.3 | 487.06 | Suggest to remove the sentence "A QoS Data frame is transmitted successfully by the STA for an AC if it requires immediate acknowledgment and the STA receives an immediate acknowledgment for that frame, or if the QoS Data frame does not require immediate acknowledgment." | This sentence is abvious and adds no information to the TXOP sharing procedure. | **Reject.**  This sentence clarifies what is considered as successful transmission of QoS Data frames referred in the previous sentence. |
| 19236 | 35.2.1.2.3 | 487.29 | Use plural verb with the plural subject | Change the phrase "frames that assists" to "frames that assist". | **Accept.** |
| 19339 | 35.2.1.2.3 | 486.38 | Since PHY-RXEND.indication occurs after aRxPHYDelay (see Figure 10-29), "The time allocation shall start when the PHY-RXEND.indication primitive of the PPDU that contains the MU-RTS TXS Trigger frame has occurred." is actually an implementation specific time and not suitable for standardization. | Try "The time allocation on the medium shall start aRxPHYDelay before-w-h-e-n- the PHY-RXEND.indication primitive of the PPDU that contains the MU-RTS TXS Trigger frame has occurred." This might not be anti-causal since the RX can predict when PHY-RXEND will occur but anyway anti-causality doesn't matter here since really this is used to define the end of the time allocation | **Reject.**  Its not clear how the proposed text does not have any implementation-specific dependency. |
| 19568 | 35.2,1.2.3 | 486.53 | In TXS mode 2, if the EHT STA does not have data to send to a peer STA of a P2P link but the allocated TXS time still remains, how does EHT STA handle this? | Please add a rule to free the remaining allocated time in TXS. | **Reject.**  The requested rule is already described in P486.44 of draft 4.0. |
| 19730 | 35.2.1.2.3 | 487.08 | If the QoS Data frame does not require immediate acknowledgement, then it is still considered as a successful transmission? | Please have a clear definition regarding the successful transmission of a QoS data frame within the Triggered TXOP | **Reject.**  Its already specified in the same sentence that for the case of “no immediate ack” its considered a successful transmission. |
| 19404 | 35.2.1.2.3 | 487.19 | "within the time allocation" is to indicate the period that the NAV is ignored, but the sentence has ambiguity to be interpreted as the period that the NAV is set. | Change the sentence to remove ambiguity.  e.g. "the STA that sends the responding CTS shall ignore the NAV within the time allocation signaled in the MU-RTS TXS Trigger frame, if the NAV is set by the AP." | **Revised.**  Agree in principle.  **TGbe editor:** please implement changes as shown in doc 11-23/1772r0 tagged as #19404 |
| 19405 | 35.2.1.2.3 | 487.19 | The description is not clear. "the NAV" here is the STA's NAV that is set based on a PPDU sent by the AP. | Change "the NAV that is set by the AP" to "the NAV that was set based on a PPDU sent from the AP". | **Revised.**  Agree in principle.  **TGbe editor:** please implement changes as shown in doc 11-23/1772r0 tagged as #19404 |
| 19460 | 35.2.1.2.3 | 487.20 | "within the time allocation signaled in the MU-RTS TXS Trigger frame" is not accurate, the TXOP return cases in mode1 and mode 2 are need to be considered. | change to the end of allocation signaled in MU-RTS TXS Trigger frame, or TXOP return which happened earlier. | **Revised.**  Agree in principle.  **TGbe editor:** please implement changes as shown in doc 11-23/1772r0 tagged as #19460 |
| 19406 | 35.2.1.2.3 | 487.20 | The STA should not ignore the NAV after the STA sent the TXOP return signaling. | Please clarify that the STA can ignore the NAV until the STA transmits the TXOP return signaling, or just remove "signaled in the MU-RTS TXS Trigger frame". | **Revised.**  Agree in principle.  **TGbe editor:** please implement changes as shown in doc 11-23/1772r0 tagged as #19460 |
| 19340 | 35.2.1.2.3 | 487.25 | "ending time of the PPDU" does not account for Signal Extension if present. 11me now uses the term "PPDU[+SigExt]" in the MAC to account for this | Change to "ending time of the PPDU[+SigExt]. (There are instances of "ending time of the PPDU" in clause 36 too, but these do not need ot be changed since they are correct). | **Accept.** |
| 19313 | 35.17 | 648.42 | The requirements in the clause indicate that the decisions on whether or not to accept or reject a SCS request are made by the EHT AP (e.g., p648l42: "when an EHT AP denies", p648l46: "rejected by an EHT AP". However, the text prior to that indicates that the SCS stream level applies at the MLD level (p648, l22) and later (p649,l52) indicates that the EHT AP MLD is responsible for accepting the SCS. | Resolve the discrepency. One option is to indicate that decisions are made by the AP MLD and communicated via an affiliated AP. Also, the reference to "EHT AP MLD" on page 649, line 52 should be changed to just "AP MLD" | **Reject.**  The quoted texts already clarifies that the SCS streams for non-P2P cases are established at MLD level and communicated by individual APs. No further clarification needs to be added. |
| 19424 | 35.17 | 649.06 | To reduce the latency of the SCS traffic with the QoS Characteristics element, the AP shall schedule the transmission before the SCS traffic exceeds the delay bound. But current, it is infeasible. Because the AP MLD has no way to distingusih different SCS streams which are mapped to the same TID. SCSID info should be inlucded within the MA-UNITDATA.request and carried into the MAC layer. | As in comment. | **Revised.**  **Added a primitive corresponding to SCS.**  **TGbe editor:** please implement changes as shown in doc 11-23/1772r0 tagged as #19424 |
| 19906 | 35.18 | 650.01 | 11be can't just refer to 11.25.3 and mentioned MSCS is applied to MLD level. The description of 11.25.3 should be changed accordingly, e.g. change the description with STA to STA or MLD. | As in comment. | **Reject.**  The current text does not have any ambiguity. |
| 19827 | 35.17 | 654.47 | "the EHT AP should ensure that the service interval aligns with negotiated TWT wake intervals": sevice interval aligns with -> service intervals align with | as in comment | **Accept.** |
| 19902 | 9.4.2.120 | 228.27 | If 0 or 1 one QoS Characteristics element can be carried in SCS Descriptor element, the "one QoS Characteristics element(s)" should be changed to "one QoS Characteristics element". | As in comment. | **Accept.** |

***TGbe editor: Please revise the paragraph in P495.17 of draft 4.1 as:***

After sending the CTS solicited by an MU-RTS TXS Trigger frame from the associated AP, the STA that sends the responding CTS shall ignore the NAV till the end of the time allocation signaled in the MU-RTS TXS Trigger frame or any TXOP return, whichever happened earlier, if the NAV was set based on a frame transmitted by the AP (#19404, #19460).

**5.2.3 MA-UNITDATA.request**

**5.2.3.2 Semantics of the service primitive**

***Revise the following text in P358.60 of REVme draft 4.1 as:***

The parameters of the primitive are as follows:

MA-UNITDATA.request(

source address, destination address, routing information,

data, priority, drop eligible, service class, station vector, MSDU format, SCSID(#19424) )

***Inset the following paragraph in P359.55 of REVme draft 4.1 as:***

If dot11SCSActivated is equal to true, the SCSID is a non-zero value that identifies the SCS stream to which the MSDU belongs; it is null otherwise (#19424).