IEEE P802.11
Wireless LANs

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| LB 205 Comment Resolution for 9.3.2.4a |
| Date: 2014-11-01 |
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Abstract

This submission proposes resolutions for comments in clause 9.3.2.4a of TGah Draft 3.0 with the following CIDs (TOT 8 CIDs):

* 5207, 5208, 5209, 5210, 5211, 5284, 5285, 5286

Revisions:

- Rev 0: Initial version of the document

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

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

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

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| **CID** | **Commenter** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 5207 | Liwen Chu | 236.41 | 9.3.2.4a | The rules for how to use the information in valid MAC header are missing. | Add the rules. | Revised –Proposed resolution clarifies that the change in classification can be done when neither the A1 nor the A2 field contain a MAC address that corresponds to a STA that is a member of the BSS as known at the STA.TGah editor to make the changes shown in 11-14/1469r0 under all headings that include CID 5207. |
| 5208 | Liwen Chu | 236.54 | 9.3.2.4a | "...based on multiple RXVECTOR parameters including PSDU\_LENGTH"List all RXVECTOR parameters or remove PSDU\_LENGTH. | As in comment. | Revised –Agree with the comment. Proposed resolution is to remove the parameter the paragraph provides equations to calculate the exact values of the PSDU\_RXTIME. TGah editor to make the changes shown in 11-14/1469r0 under all headings that include CID 5208. |
| 5209 | Liwen Chu | 236.55 | 9.3.2.4a | "...is equal to the RXTIME defined in Equation 24-64 for S1G\_SHORT/S1G\_1M formats, is equal to RXTIME defined in Equation 24-65 if the PPDU has S1G\_LONG format and is an SU PPDU and is equal to RXTIME defined in Equation 24-65 minus (TDSTF + NLTFT DDLTF + TSIG-B) defined in Table 24-4 (Timing-related constants) if the PPDU has S1G\_LONG format and is an MU PPDU. If the PPDU is an NDP CMACframe the PSDU\_RXTIME is equal to 0."Bad wording. Rewrite it. | As in Comment. | Revised –Agree with the comment. Proposed resolution organizes the paragraph as an itemized list to make it clearer, fixes the equation references, and keeps consistency between the variables used here and their definitions in clause 24.TGah editor to make the changes shown in 11-14/1469r0 under all headings that include CID 5209. |
| 5284 | Alfred Asterjadhi | 236.52 | 9.3.2.4a | This paragraph's readibility can be improved applying the suggested changes. Also there is a typo: it is NLTF not NLTFT. | Move the last sentence of the paragraph immediately after the first sentence of the same paragraph. Replace the sentence starting in P236L52 with: "If the PPDU is not an NDP CMAC frame the PSDU\_RXTIME is calculated based on multiple RXVECTOR parameters including PSDU\_LENGTH and is equal to:- The RXTIME defined in Equation 24-64 for S1G\_SHORT/S1G\_1M formats,- The RXTIME defined in Equation 24-65 if the PPDU has S1G\_LONG format and is an SU PPDU,- The RXTIME defined in Equation 24-65 minus (T\_{DSTF} + N\_{LTF} D\_{DLTF} + T\_{SIG-B}) if the PPDU has S1G\_LONG format and is an MU PPDU.NOTE - T\_{DSTF}, N\_{LTF}, D\_{DLTF} + T\_{SIG-B}) are defined in Table 24-4 (Timing-related constants)." | Revised –Agree with the comment. Proposed resolution organizes the paragraph as an itemized list as suggested, fixes the equation references, and keeps consistency between the variables used here and their definitions in clause 24.TGah editor to make the changes shown in 11-14/1469r0 under all headings that include CID 5284. |

**Discussion:** *None.*

9.3.2.4a Setting and resetting the RID

**TGah Editor: *Change the paragraph below as follows (#5207):***

Because the PARTIAL\_AID and COLOR values obtained from received PPDUs are not globally unique, an S1G STA that has classified a PPDU as a member PPDU based on PARTIAL\_AID and/or COLOR may additionally use the information contained in a valid MAC header (i.e., neither A1 nor A2 field contain a MAC address that corresponds to a STA that is a member of the same BSS as known at the STA) from an MPDU carried in the received PPDU to change the classification of the PPDU to a non-member PPDU.

**TGah Editor: *Change the paragraph below as follows (#5208, 5209):***

The received PPDU has an expected duration, in microseconds, of PSDU\_RXTIME, starting from the moment the PHY-RXSTART.indication primitive is received. If the PPDU is not an NDP CMAC frame the PSDU\_RXTIME is calculated based on multiple RXVECTOR parametersand is equal to:

* The RXTIME defined in Equation 24-65 for S1G\_SHORT/S1G\_1M formats,
* The RXTIME defined in Equation 24-66 if the PPDU has S1G\_LONG format and is an SU PPDU,
* The RXTIME defined in Equation 24-66 minus (*TDSTF + NLTF TDLTF + TSIG-B*) if the PPDU has S1G\_LONG format and is an MU PPDU.

NOTE- *TDSTF, TDLTF, and TSIG-B* are defined in Table 24-4 (Timing-related constants) while *NLTF­­* is defined in Table 24-10 (Number of LTFs required for different numbers of space time streams).

***Note to CRC for PHY clause: In Table 24-10 (Number of LTFs required for different numbers of space time streams) the heading of the second colum is NTLTF however all references point to NLTF . Consider fixing this inconsistency as part of a resolution document.***

**Note to TGah Editor: *The proposed resolution of CIDs 3901 et.al., in 11-14/1017r1 approved for the previous LB203 included the following instruction that was not excecuted (i.e., the change does not appear in D3.0). Please excecute the instruction below approved during the previous LB, noting that the current equation number in D3.0 is 24.66.***

***“***

***TGah Editor: Insert “TDSTF +” immediately before “NLTF” (twice) in equation 24.65 which is shown below (#3901, 4210, 3902, 4211):***

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***“***

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| **CID** | **Commenter** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 5210 | Liwen Chu | 237.31 | 9.3.2.4a.1 | "either S1G or S1G\_DUP\_1M and CH\_BANDWIDTH is CBW1" is not clear: is it "(either S1G) or (S1G\_DUP\_1M and CH\_BANDWIDTH is CBW1)" or "(either S1G or S1G\_DUP\_1M) and CH\_BANDWIDTH is CBW1"? | Make it clear. | Revised –Agree with the comment. Proposed resolution clarifies the condition. TGah editor to make the changes shown in 11-14/1469r0 under all headings that include CID 5210. |
| 5211 | Liwen Chu | 237.35 | 9.3.2.4a.1 | "either S1G or S1G\_DUP\_2M and PREAMBLE\_TYPE is either S1G\_SHORT\_PREAMBLE or S1G\_LONG\_PREAMBLE" is not clear | Make it clear. | Revised –Agree with the comment. Proposed resolution clarifies the condition. TGah editor to make the changes shown in 11-14/1469r0 under all headings that include CID 5211. |
| 5285 | Alfred Asterjadhi | 237.33 | 9.3.2.4a.1 | Given that "Duration" is not the name of a field it should be de-capitalized. Replace "Duration" with "duration". | As in comment. | Revised –Agree with the comment. Proposed resolution accounts for the suggested change. TGah editor to make the changes shown in 11-14/1469r0 under all headings that include CID 5285. |
| 5286 | Alfred Asterjadhi | 237.50 | 9.3.2.4a.1 | The frames are called NDP\_CMAC frames. | Replace "MAC frame" with "CMAC frame". | Accepted –Note to the TGah editor: This is an inline instruction to be applied twice in the same sentence. |

**Discussion:** *None.*

9.3.2.4a.1 RID update

**TGah Editor: *Change the paragraph below as follows (#5210, 5211, 5285):***

If the value of the RESPONSE\_INDICATION parameter is Long Response, the RID counter shall be set to LongTxTime + aSIFSTime, where LongTxTime is obtained as follows:

—If FORMAT is S1G and CH\_BANDWIDTH is CBW1 or FORMAT is S1G\_DUP\_1M then LongTxTime is equal to the S1G PPDU duration as defined in Table 8-19 (Maximum data unit sizes (in octets) and durations (in microseconds))

—If FORMAT is S1G and PREAMBLE\_TYPE is S1G\_SHORT\_PREAMBLE or S1G\_LONG\_PREAMBLE then LongTxTime is equal to the largest value in the dot11EDCATableTXOPLimit

—If FORMAT is S1G\_DUP\_2M and PREAMBLE\_TYPE is S1G\_SHORT\_PREAMBLE or S1G\_LONG\_PREAMBLE then LongTxTime is equal to the largest value in the dot11EDCATableTXOPLimit