IEEE P802.11
Wireless LANs

|  |
| --- |
| Editorial Comment Resolutions Part 5 |
| Date: 2015-11-10 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Alfred Asterjadhi | Qualcomm Inc. | 5775 Morehouse Dr, San Diego, CA 92109 | +1-858-658-5302 | aasterja@qti.qualcomm.com |

Abstract

This submission proposes resolutions for multiple comments related to TGah D5.0:

* 8406, 8407, 8408, 8409, 8410, 8412, 8413, 8414, 8415, 8416
* 8417, 8418, 8419, 8420, 8421, 8422, 8423, 8424, 8425, 8426
* 8427, 8428, 8430, 8431, 8432, 8433, 8434, 8435, 8436, 8437
* 8438, 8439, 8440, 8441, 8442, 8443, 8445, 8453, 8457, 8465
* 8472, 8473, 8474, 8475, 8486, 8510, 8513, 8517, 8523, 8524
* 8526, 8527, 8529, 8533, 8537, 8538, 8539, 8540, 8541, 8542, 8543, 8544, 8549, 8550, 8552

Revisions:

- Rev 0: Initial version of the document containing comment resolutions for the above CIDs except for:

 8544, 8543, 8533, 8510, 8473, 8453, 8442, 8440, 8437, 8436, 8432

# PARS I

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 8406 | Hunter, David | 253.19 | "element to 1 in which case the S1G STA may carry the eliciting frame in a VHT Single MPDU.": not sure how a STA \_carries\_ a frame. Also, "in which case" begins a subordinate clause. | Replace "may carry" with "may transmit" and insert a comma between "1" and "in which case". | Revised –Agree in principle.Replace "may carry the eliciting frame in a" with "may transmit the eliciting frame as a" and insert a comma between "1" and "in which case". |
| 8407 | Hunter, David | 253.41 | "more than one SIFS-separated PV1 frames": number problem -- one ... frames. | Replace "more than one" with "two or more". | Accepted |
| 8408 | Hunter, David | 254.01 | "into the BSS except when ... received from a STA in which case, the": "except" and "in which case" both begin subclauses in the sentence. | Replace "the BSS except" with "the BSS, except" and replace "from a STA in which case, the" with "from a STA. In that case the". | Accepted |
| 8409 | Hunter, David | 254.02 | With the addition of 6 lines to the paragraph from 11mc's 9.3.6, that paragraph now includes several separate topics. Break it up into three paragraphs. | Create new paragraphs beginning with "When dot11SSPNInterfaceActivated is false" on page 253 line 64 and beginning with "Unless the MPDU is delivered" on page 254 line 7. | Accepted |
| 8410 | Hunter, David | 254.21 | "An S1G relay STA shall forward an MPDU with any group address in the Address 1 field originated from its associated AP to the S1G relay AP.": this sentence has enough qualifications on qualifications that it is not clear what is qualifying what. | Replace:"An S1G relay STA shall forward an MPDU with any group address in the Address 1 field originated from its associated AP to the S1G relay AP."with:"If an MPDU originates from an S1G relay STA's associated AP, and if the MPDU has any group address in its Address 1 field, then the STA shall forward that MPDU to the S1G relay AP." | Accepted |
| 8412 | Hunter, David | 271.57 | "identifying the BSS from which a reception originates so that": it is hard to imagine an origination of a reception -- but much easier the origin of a received PPDU. And "reception process in the case when the reception is not from the BSS": because a PPDU has been transmitted from a BSS doesn't mean that the reception is from the BSS. | Replace "reception originates" with "received PPDU originates". And on line 58 replace "process in the case when the reception is not" with "process when the received PPDU is not". | Accepted |
| 8413 | Hunter, David | 276.56 | "may transmit an NDP CF-End frame (after PIFS) to truncate any active RID or NAV.": the parenthetical remark weakens the connection that the frame is transmited to truncate the RID or NAV. | Replace "may transmit an NDP CF-End frame (after PIFS) to truncate any active RID or NAV." with "may, after PIFS, transmit an NDP CF-End frame to truncate any active RID or NAV." | Accepted |
| 8414 | Hunter, David | 276.62 | "An S1G STA that transmits an NDP CF-End frame shall set its Duration field to 0 and shall not initiate any further frame exchange sequences within the current TXOP.": normally "its" applies to the subject (the STA) and "not initiate any further" is redundant. | Replace "set its Duration field" with "set the frame's Duration field" and replace "shall not initiate any further frame exchange sequences" with "shall initiate no other frame exchange sequences". Also replace "within" with the simpler "in". | Accepted |
| 8415 | Hunter, David | 276.42 | "An S1G STA that receives an NDP CF-End frame should reset its NAV and can start contending for the medium without further delay.": per the IEEE Style Manual, norrmative and informative statements are not to be mixed. But this statement puts both into one sentence. | Replace "and can start contending" with "and may start contending". That seems to be what was intended. | Accepted –Note: It is in P277L42. |
| 8416 | Hunter, David | 277.63 | "8 microseconds boundaries": in American English nouns used as adjectives are singular. | Replace "microseconds boundaries" with "microsecond boundaries". | Accepted |

# PARS II

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 8417 | Hunter, David | 277.63 | "allows for any inaccuracies": Editorial part: more accurately: "accommodates". Technical part: but it can't possibly allow for all inaccuracies. | Replace "allows for any inaccuracies" with "accommodates almost all inaccuracies". | Accepted |
| 8418 | Hunter, David | 277.64 | "allows for any inaccuracies ... to the NAV counter at the receiving STA prior to the reception of the CF-End frame.": exactly what is happening prior to the receipt of the CF-End frame? The inaccuracies? | Just delete "prior to reception of the CF-End frame". | Accepted |
| 8419 | Hunter, David | 278.03 | "Duration field of the received CF-End frame adjusted by subtraction of aSIFSTime": the adjustment is a process of \_subtracting\_. And "to transmit the CF-End frame in unit of microseconds." is more clearly put: " to transmit the CF-End frame (in units of microseconds)." -- and there generally is moore than one unit of microseconds. And in the next sentence "If" begins a subordinate clause that should be separated from the main sentence by a comma. | Replace "by subtraction of" with "by subtracting the value of".Replace "frame in unit of microseconds." with "frame (in units of microseconds)."Replace "negative value the Duration field" with "negative value, the Duration field". | Revised –As suggested except for the use of the parenthesis to enclose the “in units of microseconds).Replace "by subtraction of" with "by subtracting the value of".Replace "frame in unit of microseconds." with "frame, in units of microseconds."Replace "negative value the Duration field" with "negative value, the Duration field". |
| 8420 | Hunter, David | 313.17 | "use the Listen Interval and Page Slice element information": just to be clear that the Listen Interval field is being described, insert "field". | Replace "Listen Interval and" with "Listen Interval field and". | Accepted |
| 8421 | Hunter, David | 278.28 | "with dot11RAWOperationImplemented equal to true": 'with' is too generic (is this attribute just floating somewhere in the ESS?) and attributes aren't equal to their values (but \_have\_ values). These same problems are in the three sentences starting with line 28. | Replace: "An S1G STA with dot11RAWOperationImplemented equal to true shall set the RAW Operation Support field in all S1G Capabilities elements it transmits to 1."with:"An S1G STA whose dot11RAWOperationImplemented value is true shall set the RAW Operation Support field in all S1G Capabilities element it transmits to 1."Replace: "An S1G STA with dot11RAWOperationImplemented equal to false shall set the RAW Operation Support field in the S1G Capabilities element it transmits to 0with:"An S1G STA whose dot11RAWOperationImplemented value is false shall set the RAW Operation Support field in all S1G Capabilities elements it transmits to 0."On line 33 replace "with" with "whose", replace "equal to" with "value is" and replace "procedure as" with "procedure, as".And on line 38 replace "element with the RAW Operation Support field equal to 0." with "element whose RAW Operation Support field value is 0.". | Accepted |
| 8422 | Hunter, David | 336.35 | "using the same as the signalling of individually addressed BUs": missing a word. | Replace "the same as the signallng of" with "the same signalling as the signalling of" | Accepted |
| 8423 | Hunter, David | 343.55 | "Within an IBSS in S1G band, the generation and/or reception of a Beacon frame and all references to it, refer to that of the S1G Beacon frame.": what is this trying to say? If it is only that the only Beacon frames in an S1G IBSS are S1G Beacon frames, then say that directly. | Replace:"Within an IBSS in S1G band, the generation and/or reception of a Beacon frame and all references to it, refer to that of the S1G Beacon frame."with:"All Beacon frames transmitted in an S1G IBSS shall be S1G Beacon frames." | Accepted |
| 8424 | Hunter, David | 344.28 | "for a WNM STA , a DMG STA, and for an S1G STA.": an extra "for". | Replace:"for a WNM STA, a DMG STA, and for an S1G STA."with:"for a WNM STA, a DMG STA and an S1G STA." | Accepted |
| 8425 | Hunter, David | 344.46 | "The AID that is assigned to an S1G STA shall be such that the decimal value of its 11 LSBs is greater": a rather backward and confusing form of requirement. | Replace:"The AID that is assigned to an S1G STA shall be such that the decimal value of its 11 LSBs is greater"with:"The decimal value of the 11 LSBs of the AID assigned to an S1G STA shall be greater". | Accepted |
| 8426 | Hunter, David | 346.03 | "10.1.3.10.1 General": just naming a subclause "General" is not informative -- especially when that subclause is referenced elsewhere. | Replace "General" with "General S1G synchronization". | Accepted |

# PARS III

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 8427 | Hunter, David | 352.05 | Table 1, Draft Status, claims this draft has been updaed to 11mc D4.0. However, Table 10-2 in 11mcD4.0 is quite different from the text quoted in this copy of Table 10-1 (and 11ai made no changes to this table). This draft needs to be updated to the full 11mcD4.0, including replacing this version of Table 10-2 with a copy of the version in 11mcD4.0 | Update this dreaft to the full 11mcD4.0, including replacing this version of Table 10-2 with a copy of the version in 11mcD4.0 | AcceptedNote: This is a best effort task for the editor. |
| 8428 | Hunter, David | 352.05 | In the 11mcD4.0 version of this table, the second column contains "The STA" at the beginning of the paragraph. The new paragraph also needs an article. | Replace "STA with dot11NonTIMModeActivated" with "The STA with dot11NonTIMModeActivated". | Accepted |
| 8430 | Hunter, David | 353.18 | "The STA shall update its Listen Interval parameter to the value of the": first, STAs don't have parameters, though they (their MLMEs) use parameters when invoking primitives; second, the name of the invovation parameter is "ListenInterval". | Replace:"The STA shall update its Listen Interval parameter to the value of the"with:"The STA shall update the value of the ListenInterval parameter it uses in invocations of primitives with the value of the". | Accepted |
| 8431 | Hunter, David | 355.36 | "Listen Interval" is the name of a field, but this is talking about the actual interval. | On line 33 (yes, this is correcting 11mc) and on line 36 replace "Listen Interval specified" with "listen interval specified". | Accepted |
| 8432 | Hunter, David | 367.36 | "10.48 Dynamic AID assignment operation": this subclause specifies general MAC functionality, not just MLME features, so it does not belong in the MLME clause. | Move "10.48 Dynamic AID assignment operation" to a location between 9.20 and 9.21 (so this subclause becomes the new 9.21). Also rename it to "S1G dynamic AID assignment". | **Not addressed in R0** |
| 8433 | Hunter, David | 367.38 | When it refers to the procedure, not the field with that name, "Dynamic AID assignment" does not take an initial cap. | Replace "Dynamic AID assignment" with "dynamic AID assignment". | Accepted |
| 8434 | Hunter, David | 367.49 | The listen interval being talked about on pages 366 and 368 is the interval, not the Listen Interval field. | Replace "Listen Interval" with "listen interval" on page 367 lines 49 (twice), 50, 51, 54 and 60, on page 368 lines 56, 63 and 64, and on page 369 line 6. For clarity, on page 369 line 32 replace "Listen Interval" with "Listen Interval field". | Accepted |
| 8435 | Hunter, David | 368.52 | "For this or other unspecified purpose, an AP": rather than raise the red herring of what constitutes an unspecified purpose, delete this part of the sentence altogether. | Replace "For this or other unspecified purpose, an AP" with "An AP". | Accepted |
| 8436 | Hunter, David | 369.35 | "10.49 System information update procedure": this subclause specifies MAC function operation, not just MLME features. But this operation is part of the S1G operation, so make it a subclause of the "S1G BSS operation" clause. After moving the "S1G BSS operation" subclause from 10.50 to the new 9.42, make the current 10.49 subclause the new 9.42.2. | Move subclause "10.49 Channel selection methods for an S1G BSS" to a location between "Basic S1G BSS functionality"(the new 9.42.1) and "Channel selection methods" (the new 9.42.3). Also rename this subclause "S1G BSS channel selection methods". | **Not addressed in R0** |
| 8437 | Hunter, David | 370.05 | "10.50 S1G BSS operation": this subclause specifies basic MAC functionality, not just MLME features, so it does not belong in the MLME clause. | Move the full subclause "10.50 S1G BSS operation", except for 10.50.7, to a new subclause 9.42. | **Not addressed in R0** |

# PARS IV

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 8438 | Hunter, David | 371.52 | "10.50.2 Channel selection methods for an S1G BSS": a shorter version of a heading is preferable. | Replace "Channel selection methods for an S1G BSS" with "S1G BSS channel selection methods". | Accepted |
| 8439 | Hunter, David | 372.42 | "10.50.3 Channel Switching methods for an S1G BSS": a shorter version is preferable. Also "channel switching" is the name of a functionality, so does not need initial caps. | Replace "Channel Switching methods for an S1G BSS" with "S1G BSS channel switching methods". | Accepted |
| 8440 | Hunter, David | 374.01 | "S1G BSS type and STA type": what is such a specification of a general operation doing buried at the end of the MLME clause? This material does not belong in the MLME clause. | Move subclause 10.50.7 to a location between 9.2.5 and 9.2.6 (so it becomes the new 9.2.6). | **Not addressed in R0** |
| 8441 | Hunter, David | 374.30 | "minimum MCS restrictions": this mention needs a new reference to the new normative subclause on how minimum MCS restrictions shall be used. | Add a reference to a new subclause on the functional operations for minimum MCS restrictions. | Revised –Insert “as specified in 9.7.13.3(Additional rate selection constraints for S1G PPDUs).” at the end of the sentence. |
| 8442 | Hunter, David | 374.33 | "Support for energy limited STAs": this subclause is a specification of functional operations, not just MLME components. Move it into the MAC functional specification. | After the TG creates the new subclause 9.42 on S1G operations, rename this subclause "9.42.9 Support for energy limited STAs". | **Not addressed in R0** |
| 8443 | Hunter, David | 374.57 | Per the IEEE Style Manual, when a list contains complete sentences, each item in the list is followed by a period. | Replace "is set to 0" with "is set to 0." | Accepted |
| 8445 | Wang, Xiaofei | 235.60 | an article is missing from the phrase "An S1G STA that is sensor STA" | change "An S1G STA that is sensor STA" into "An S1G STA that is a sensor STA" | Accepted |
| 8453 | Wang, Xiaofei | 297.01 | The first and last sentence of the paragraph are on NDP paging. The remaining sentences are on implicit and explict TWT. It would be better to move the last sentence right after the first sentence; and breaks the remaining sentences into a new paragraph. | as in comment | **Not addressed in R0** |
| 8457 | Wang, Xiaofei | 310.49 | an extra "STA" is included | remove one "STA" | Accepted |
| 8465 | Asterjadhi, Alfred | 310.49 | "dot11PageSlicingActivated" variable should be dot11PageSlicingImplemented as it is tied to a capabilities indication. | Replace "dot11PageSlicingActivated" with "dot11PageSlicingImplemented" throughout the draft. | Accepted |

# PARS V

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 8472 | Asterjadhi, Alfred | 253.52 | The baseline text is not inline with REVmc D4.0 | Ensure consistency with REVmc D4.0 fro this paragraph. | Accepted |
| 8473 | Asterjadhi, Alfred | 233.39 | The figure is not inline with REVmc D4.0 (for starters there are not two figures). Ensure consistency of the figure with the baseline figure. | As in comment. | **Re-assign to MAC** |
| 8474 | Asterjadhi, Alfred | 352.06 | THe content of the table is not inline with REVmc D4.0. Ensure consistency of the Table with the baseline | As in comment. | Accepted |
| 8475 | Asterjadhi, Alfred | 374.35 | Operation is for Energy Limited STAs but MIB variable is dot11S1GActivityActivated...Not very consistent. | Replace "dot11S1GActivityActivated" with "dot11S1GELOperationActivated" throughout the draft. Perhaps you want to do the same also for the Activity Specification element? For example replace "Activity Specification" with "EL Operation?? | Accepted |
| 8486 | Asterjadhi, Alfred | 214.01 | All the occurrences of "Short MAC", "Short frame" etc were changed to PV1. Since this frame is a PV1 frame as well it really should be called PV1 Probe Response rather than Short Probe Response. | Replace "Short Probe Response" with "PV1 Probe Response" throughout the draft. | Accepted |
| 8510 | Wang, Xiaofei | 387.21 | bandwidth is not stated for S1G\_DUP\_1M case. | Add bandwidth statement such as 'CH\_BANDWIDTH=CBW2 or CBW4 or CBW8 or CBW16' after the phrase 'Format=S1G\_DUP\_1M ' | **Re-assign to PHY** |
| 8513 | Wang, Xiaofei | 408.12 | The word 'format' is missing after 'S1G\_LONG' . | add 'format' after 'S1G\_LONG' . | Accepted |
| 8517 | Wang, Xiaofei | 426.17 | N\_SS,u is the number os spatial streams for user u, but not space-time streams | Replace 'space-time streams' with 'spatial streams' |  |
| 8523 | Wang, Xiaofei | 433.60 | Table 24.3.7' should be 'Section 24.3.7' | Remove 'Table' | Accepted |
| 8524 | Wang, Xiaofei | 434.03 | provides a means' is incorrect English | Replace 'provides a means' with 'provides means' | Accepted |

# PARS VI

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 8526 | Wang, Xiaofei | 435.38 | LTF should be subscript of N. 'LTF2~LTF\_{NLTF}' should be 'LTF2~LTF\_{N\_LTF}'. | Change 'LTF2~LTF\_{NLTF}' to 'LTF2~LTF\_{N\_LTF}' | Accepted |
| 8527 | Wang, Xiaofei | 436.13 | Table 24.3.7' should be 'Section 24.3.7' | Remove 'Table' | Accepted |
| 8529 | Wang, Xiaofei | 439.62 | Table 24.3.7' should be 'Section 24.3.7' | Remove 'Table' | Accepted |
| 8533 | Wang, Xiaofei | 457.26 | T\_LTF1 is used in the equation without definition | Add definition for T\_LTF1 | **Re-assign to PHY** |
| 8537 | Wang, Xiaofei | 450.41 | Table 24.3.7' should be 'Section 24.3.7' | Remove 'Table' | Accepted |
| 8538 | Wang, Xiaofei | 451.34 | Table 24.3.7' should be 'Section 24.3.7' | Remove 'Table' | Accepted |
| 8539 | Wang, Xiaofei | 452.64 | Table 24.3.7' should be 'Section 24.3.7' | Remove 'Table' | Accepted |
| 8540 | Wang, Xiaofei | 456.52 | Table 24.3.7' should be 'Section 24.3.7' | Remove 'Table' | Accepted |
| 8541 | Wang, Xiaofei | 458.34 | Table 24.3.7' should be 'Section 24.3.7' | Remove 'Table' | Accepted |
| 8542 | Wang, Xiaofei | 461.01 | Table 24.3.7' should be 'Section 24.3.7' | Remove 'Table' | Accepted |
| 8543 | Wang, Xiaofei | 463.21 | N\_{SYM,init} is used in the equation without defination | Add definition for N\_{SYM,init} | **Re-assign to PHY** |
| 8544 | Wang, Xiaofei | 463.26 | N\_{SYM} is not used in the equation and should not be defined. | Remove definition of N\_SYM | **Re-assign to PHY** |
| 8549 | Wang, Xiaofei | 167.37 | Capitalize the words Distributed Authentication Control Parameters. | Capitalize the words Distributed Authentication Control Parameters. | Accepted |
| 8550 | Wang, Xiaofei | 169.56 | Disjointed labels in the figure for Octets: Octe ts | Change label "Octe ts" to "Octets" | Accepted |
| 8552 | Wang, Xiaofei | 181.58 | This sentence is awkward. It should be reworded. | Change "The Sectorized Group ID field indicates a new sectorized group ID that it is associated with the receiver STAs." to "The Sectorized Group ID field indicates a new sectorized group ID that is associated with the receiver STAs." | Accepted |