IEEE P802.11  
Wireless LANs

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| REVmc Meeting Minutes for January 2015 in Atlanta | | | | |
| Date: 2015-01-16 | | | | |
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Abstract

REVmc Meeting Minutes for January 2015 in Atlanta

8 meetings – 2 each day – Monday through Thursday – 12-15 January

Thank you to Mark Hamilton for taking notes for Jon when he had to present or leave the room for brief periods.

1. 802.11 TG REVmc called to order by Dorothy STANLEY (Aruba) at 1:31pm Monday 12 January 2015
   1. Review Patent Policy
      1. Reviewed Instructions to the Chair
      2. Reviewed the 4 patent policy Slides
      3. Call for Potentially Essential Patents
         1. No Issues or items identified from the call
      4. Review other Guidelines
   2. Review Agenda
      1. See slide 3 11-14/1588r1
         1. Chair’s Welcome, Status, Review of Objectives, Approve agenda, minutes
         2. Editor’s Report
         3. Comment resolution – Mark HAMILTON, Adrian STEPHENS, Mark RISON
      2. Updated in r2
   3. Approve Prior Minutes:
      1. Move to approve

San Antonio minutes: <https://mentor.ieee.org/802.11/dcn/14/11-14-1509-01-000m-revmc-minutes-for-november-san-antonio.docx>

Teleconference minutes: <https://mentor.ieee.org/802.11/dcn/14/11-14-1568-05-000m-tgmc-teleconference-minutes-nov-dec-2014-jan-2015.docx>

* + 1. Adrian STEPHENS – 2nd Jon ROSDAHL
    2. Approved by Unanimous consent
  1. Editor Report 11-13/95r15
     1. D3.4 Status
        1. Posted to members area
     2. Reference Documents are listed on slide 6
     3. Review Editorial CID status
        1. Slide 8 has list of CIDs expected to approve by motion later in the week.
     4. Slide 11 shows assignee list
     5. Slide 7 has Comments by Ad-Hoc
        1. Grand total Assigned 76 – Unassigned 7 and Discuss 2 – 84 left to process
  2. Editor Comments
     1. CID 3097 Editor
        1. This will be discussed on Tuesday with the other DMG CIDs.
        2. Carlos has a proposal that will affect the outcome of this CID.
     2. CID 3319 & 3331 Editor
        1. Pad vs Padding
        2. CID 3478 resolution may be incompatible with the proposed change
        3. Proposed to make changes to the terminology clearer.
        4. Review proposal
        5. Note that the previous proposed definitions are in D3.4 and will need to back out if necessary.
        6. Proposed Resolution for 3319 and 3331 will have a common resolution. 3478 will have an updated (changed) resolution.
        7. Proposed Resolution for 3319 and 3331: (To both comments): Revised. Change “The Pad is” to “The Padding field is” at 718.34.

Change “EOF pad” to “EOF Padding” at 1214.44.

Change “Pad” to “Padding” at: 715.54, 718.345, 718.36, 1214.59, 1215.18, 3491.40, 3491.50, 3491.52

* + - 1. Proposed Resolution 3478: Revised. Apply the changes in <this document> under CID 3319. (These changes turn “[x] Pad” fields into “[x] Padding” fields.

Delete the definition of the EOF pad at 28.01.

Make changes in 11-14/1345r3 under CID 3478. These restructure the description of the padding in an A-MPDU so that the definition of A-MPDU pre EOF padding is simpler.

* + - 1. Question on what changes in the PAD/PADDING methods?
         1. Nothing changes; it is just making things consistent and clear.
         2. Discussion on the changes.
         3. Mark these three CIDs ready for Motion
    1. Review Editorial CID list again
       1. CID 3215 – Proposed Resolution shows “Revised” and a more full description needs to be included
       2. Action Item: Edward AU will revisit and bring back tomorrow.
  1. MAC CIDs
     1. CID 3508 MAC
        1. Review Comment
        2. Review History of processing of this CID
        3. Discussion on possible new Acronym
        4. There is a supported rates element already, and we will change the name of this element.
        5. See context – see page 711
        6. Several level of nesting
        7. Term Supported Rates is used in other context, but the element itself has both BSS Membership selectors and rate selection bits
        8. Rename the element to indicate what is actually being carried in the element.
        9. Question is there a benefit to the new acronym?
           1. Some said no, if we are not going to use the Acronym is being used
           2. This would be limited to the 85 instances of the new name usage.
        10. Proposed Resolution: REVISED (MAC: 2015-01-12 19:26:32Z): Replace all occurrences of "Supported Rates element" with "Supported Rates and BSS Membership Selectors element".

Replace all occurrences of "Extended Supported Rates element" with "Extended Supported Rates and BSS Membership Selectors element".;

* + 1. CID 3521 and 3523 – still working on
    2. CID 3211 MAC
       1. Couple different proposals, George has agreed to withdraw the comment if we cannot come to consensus
  1. Review 11-14/1104r9 Mark RISON
     1. CID 3439 MAC
        1. Review the comment
        2. Review the proposed changes
        3. 8. 2.2 is about frame formats rather than the data inside.
        4. Proposed Resolution: REVISED Make the changes described in 11-14/1104r10 under “Proposed changes:” for CID 3439, which effect the change proposed by the commenter.
        5. No objection – mark ready for motion
     2. CID 3407 GEN
        1. Reviewed Comment
        2. This was assigned to Editor and move back to GEN
        3. No submission is ready for this
        4. Proposed Resolution: Reject: The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
     3. CID 3369 GEN
        1. Review Comment
        2. Discussion on the difference of states vs modes
        3. Active States vs Active Mode not the same thing
        4. Discussion on what has occurred in the past, we made the Powersave modes consistent in the past.
        5. There may be an issue in the DMG as well as use of terms are not consistent.
        6. More work is needed on this CID
     4. CID 3368 GEN
        1. Review Comment
        2. Review the proposed changes
        3. Proposed Resolution: REVISED (GEN: 2015-01-12 19:54:02Z) Make the changes described in 11-14/1104r10 under "Proposed changes:" for CID 3368, which address the issue raised by the commenter.
        4. No objection – mark ready for motion
     5. CID 3370 GEN
        1. Review Comment
        2. Review proposed Changes
        3. In 103.26 drop the cans and make present tense
        4. Move question in yellow to different list of future issues
        5. Review CID 3348 - for consistency for these changes
        6. Change conform with to “complies with”
        7. Concern with the changing of OFDM to ERP-OFDM at the same time
           1. Wait until the Sponsor Ballot to make the changes later.
        8. Proposed Resolution: REVISED (GEN: 2015-01-12 20:01:30Z) Make the changes described in 11-14/1104r10 under "Proposed changes:" for CID 3370, which address the issue raised by the commenter. See also the resolution of CID 3159.
        9. No objection – mark ready for motion
     6. CID 3379 GEN
        1. Review Comment
        2. No submission
        3. Proposed Resolution: REJECTED (GEN: 2015-01-12 20:25:28Z): The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
        4. No objection – mark ready for motion
     7. CID 3364 MAC
        1. Review Comment
        2. No Submission
        3. Proposed Resolution: Reject:  The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
        4. No objection – mark ready for motion
     8. CID 3390 MAC
        1. Review Comment
        2. Discussion on proposal
        3. Ran to time -
  2. Recess at 3:31pm

1. 802.11 TG REVmc called to order by Dorothy STANLEY (Aruba) at 4:07pm Monday 12 January 2015
   1. Continue with agenda from the previous meeting
   2. Review 11-14/1104r10 Mark RISON (cont)
      1. CID 3390 MAC
         1. Concern that the proposed change was not clear, so an updated proposal was made.
         2. See r10 for the specific changes.
         3. Proposed Resolution: Revised Add after “carrying A-MPDUs to different users” “(a single A-MPDU to each user)”.
      2. CID 3365 MAC
         1. Review Comment
         2. Review the proposed changes
         3. Proposed Resolution: Revised incorporate the changes in 11-14/1104r10 for CID 3365
         4. No objection – mark ready for motion
      3. Thanks to Mark HAMILTON for taking notes
      4. CID 3382 MAC
         1. Review the comment – we have discussed this before in the Telecon
         2. Review the proposed changes.
         3. Reviewed detailed changes.
         4. Resolution: Revised. Incorporate the text changes in 11-14/1104r10 for CID 3382.
         5. No objection – mark ready for motion
      5. CID 3386 (EDITOR)
         1. Reviewed approach: base this on three terms, as shown
         2. Reviewed detailed changes.
         3. Reviewed NOTE 14 (on page 15 of D3.0), couldn’t understand why this was ever here, it’s true, but incomplete, and not necessary (certainly not here). No objection to deleting it.
         4. Got part way through all the changes, and then realized there are a lot of them. Suggest the group should review off-line. Want to get Peter E’s check, in particular.
         5. Should the new definitions go in 3.1 or 3.2?
         6. Should we use “bandwidth” or “channelwidth”? We are generally talking about the width of a channel, not of the whole band. Also need to be careful (and accurate) about things in bps versus things in Hz.
         7. Can we get a larger review by PHY experts in particular? Dorothy will ask Vinko and Eldad to look at this.
         8. Will come back to this, after those experts have been contacted.
      6. CID 3479 (MAC)
         1. Reviewed 11-14/1104r10 (not posted yet)
         2. Intent is to generalize the VHT facility for all STAs (not just VHT)
         3. TVHT is too different (channel bandwidths, for example) to try to cover that right now. Some counter examples were found (where TVHT already has these features, optionally – in Probe Request, for example). It seems TVHT also globally replaced the channel bandwidth designations, for example, as part of their ‘replacement’ approach to their amendment.
         4. So, decided nothing special needs to be done for TVHT, as it is implicitly already done by the amendment process.
         5. Went back to look at the yellow highlighted items (that Mark R.wanted to discuss):
         6. 1304.58: just delete the TVHT reference.
         7. 767.32: The question is about the Width and Frequency 0 information fields. We either duplicate the information already given in the other element(s), or we reserve these fields. Could take this “bug” off-line and submit as a new ballot comment.
         8. 1305.23: Take this concern as the subject of a new ballot comment.
         9. 1824.52: Also, new ballot comment.
         10. 1824.52, second one: Same thing.
         11. PICS: Mark RISON will check.
         12. Will come back to this after considering the PICS question, and deleting TVHTs.
      7. CID 3404 (EDITOR):
         1. Rejected. The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
         2. Approved. Ready for motion.
      8. CID 3383 (EDITOR):
         1. Rejected. The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
         2. Approved. Ready for motion.
      9. CID 3452 (EDITOR):
         1. Rejected. The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
         2. Approved. Ready for motion.
      10. CID 3453 (EDITOR):
          1. Rejected. The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
          2. Approved. Ready for motion.
      11. CIDs 3431 and 3440 (EDITOR):
          1. Reviewed in 11-14/1104r10
          2. Check which of these are in WEP/TKIP, which is deprecated, and we don’t need the changes. These were removed from the resolution.
          3. Yellow text about >> in pseudo-C code will be taken out and Mark will consider for a future ballot comment.
          4. On first yellow text (should we make the title of 1.5 more inclusive?): Agreed to call it “Terminology for mathematical, logical and bit operations“
          5. Agreed to use the phrase “irretrievably deleted”.
          6. Agreed to change “L” to “N” as the parameter to the “L” function.
          7. Agreed to write out the definition of Truncate (and not define it using the L function).
          8. Resolution: Revised. Incorporate text changes in 11-14/1104r10 for CIDs 3431 and 3440.
          9. Agreed. Mark ready for motion.
      12. CID 3444 (EDITOR):
          1. Reviewed in 11-14/1104r10.
          2. Do we prefer “X” or “Length”? Prefer “Length”
          3. Resolution: Revised. Incorporate text changes in 11-14/1104r10 for CIDs 3444
          4. Agreed. Mark ready for motion.
   3. Recessed 6:00pm
2. 802.11 TG REVmc called to order by Dorothy STANLEY (Aruba) at 1:30pm Tuesday 13 January 2015 PM1
   1. Agenda in 11-14/1588r2:

11-14-1594 – Carlos CORDEIRO

11-14-1618 Gaius WEE

Comment Resolution -

* 1. Review 11-14/1594r3 – Carlos CORDEIRO
     1. CID 3097 (not explicit in the document with a header, but mentioned in the Discussion presenting the issue) EDITOR
        1. While editing 3097, Adrian noticed that the text called for a MAC Address, but that isn’t in a DMG TSPEC. Carlos’ proposal changes the MAC Address reference to be “AID”.
        2. Will add this change to the CID 3097 resolution: Change “source DMG STA MAC Address” to “Source AID”
        3. No objection. Will formally reconsider with the rest of 3097, tomorrow.
     2. CID 3286 GEN
        1. Review comment
        2. Discussion: A DMG STA does not support the mesh functions and cannot operate in a mesh BSS. Also, it is important to clarify the relationship, or lack thereof, among different types of STAs in section 4 itself.
        3. Spent time looking for how this statement is defined.
        4. Reference: 13.1 (2056.30) – A DMG STA is not a mesh-STA.
        5. Proposed Resolution: REJECTED (GEN: 2015-01-13 18:49:08Z) A DMG STA does not support the mesh functions and cannot operate in a mesh BSS. Reference: 13.1 (2056.30)
        6. No objection – mark ready for motion
     3. CID 3288 GEN
        1. Review comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-01-13 18:50:49Z)
        3. No objection mark ready for motion
     4. CID 3249 GEN
        1. Review comment
        2. Review context of the changes in 21.3.6.1.
        3. The Last symbol is the same in both the SC and OFDM, but the Gv and the Gu fields are swapped.
        4. Proposed Resolution: REVISED (GEN: 2015-01-13 18:57:06Z) make the changes as noted in 11-14/1594r3 as noted for CID 3249 including the correction to “dot11MultiDomainCapablilityEnabled” as shown in 10.9.2.2.
        5. No objection – mark ready for motion
     5. CID 3232 MAC
        1. Review Comment
        2. Review changes
        3. Compared to the 11-14/1104 proposed change, there was disagreement on which one was clearer?
        4. How to describe which Elements are going to be included.
        5. In the DMG case we can describe the information element better than the legacy definition.
        6. ACTION ITEM: Mark RISON and Carlos CORDEIRO to take CID 3232 and 3499 to take offline and bring back later this week.
     6. CID 3499 MAC
        1. Question on how many Elements should be reviewed. 11-14/1594 only tries to fix a specific Element
  2. CID 3095 GEN
     1. Review Comment – not included in a submission
     2. Document 11-14/1570r2
     3. There was a change done by CID 3094 that added “procedure” to the text in several places and makes this clause ok.
     4. Proposed Resolution: Revised – changes made for CID 3094 clarify that the SSW feedback procedure is referenced instead of transmission.
     5. No objection – mark ready for motion
  3. CID 3392 MAC
     1. Review comment
     2. Still having extended discussion – deferred until tomorrow
  4. Review Doc 11-14/1618r2 Gaius WEE – presented by Carlos CORDEIRO
     1. Setting of Duration field during BRP -- the submission addresses issues identified relating to the setting of the Duration field during beamforming. There is no CID associated with this change.
     2. Review proposed changes in 9.38.3 and 9.38.6.4.
     3. No objection or discussion the changes
     4. The chair will prepare a motion to incorporate the text into the draft on Wednesday PM1.
  5. Review Deferred CIDs from Monday
     1. CID 3369 GEN
        1. See doc 11-14/1104r10 – page 56-59
        2. Discussion on Awake and Doze are Modes of the STA as a whole
        3. Review changes
        4. An R11 will be posted to remove a comment
        5. Proposed Resolution REVISED (GEN: 2015-01-13 19:37:54Z) incorporate the changes in 11-14/1104r11 for CID 3369
        6. No objection – mark ready for motion GEN ATL-A
     2. CID 3479 MAC
        1. Review state
        2. A comment from Brian HART has come, but the changes have not been incorporated into the submission
        3. Defer to Wednesday
     3. CID 3386 EDITOR
        1. Discussion on the e-mail thread discussion on the proposed changes.
        2. Some of the comments have not been incorporated in the proposal.
        3. Defer until Wednesday
     4. CID 3444 EDITOR
        1. This was resolved yesterday
        2. The resolution was updated with a change in r10.
  6. Review more CIDs from 11-14/1104r10 Mark RISON
     1. CID 3226 MAC
        1. Review Comment
        2. Discussion on the proposed change
        3. Alternate wording: discussed, go with the proposed text.
        4. Proposed Resolution: REVISED (MAC: 2015-01-13 19:54:24Z): Delete "A-MPDU," and ", or MMPDU" at 1805.23.
     2. CID 3225 – EDITOR - Revisit
        1. Revisit this CID which had a resolution approved in November 2014.
        2. We created the phrase that was just deleted by CID 3226.
        3. Proposed Revised Resolution: Reject: Refer to the discussion under CID 3226 in 11-14/1104r10. The proposed change creates confusion between the different DUs.
        4. No objection – mark ready for motion and editor notes to revert the previous changes.
     3. CID 3430 MAC
        1. Review Comment
        2. No Technical change is being intended
        3. Change the new intermittent variable name to be lower case and italics
        4. Proposed Resolution: REVISED (MAC: 2015-01-13 20:08:34Z): Incorporate the text changes in 11-14/1104r11 for CID 3430.
        5. No objection – mark ready for motion
     4. CID 3523 MAC
        1. Review Comment
        2. Review the locations where Power Management Field shows up.
        3. Changes to the proposal were identified and made on the screen to be included in R11.
        4. The change direction was agreed on, but all the changes were not quite completed, but Mark RISON was instructed to finish and bring back with R11.
        5. Added “wishes to” -- this was requested to reword to not have a wish…will bring back with R11 later
        6. The Use of WMN-sleep mode and active mode is orthogonal and can be used independently.
  7. Ran out of time
  8. Recess 3:31pm

1. 802.11 TG REVmc called to order by Dorothy STANLEY (Aruba) at 4:02pm Tuesday 13 January 2015 PM2.
   1. Agenda:
      1. 11-14-954 and Comment resolution
   2. Review Document 11-14/954r3 Matthew FISCHER
      1. Covers CID 3490, 3294, 3295, 3296 (MAC)
      2. Review Context in D3.4
      3. Discuss the support of 80+80 vs 160 and how support of 160 is not the same as 80+80 non-contiguous
      4. Disagreement on the proposed change and the commenter’s proposed change.
      5. Proposed Resolution: REVISED (MAC: 2015-01-13 21:08:55Z): Incorporate changes in 11-14/954r3 for CIDs 3490, 3294, 3295, 3296.
   3. Review Document 11-15/26r0 – Vinko ERCEG
      1. CID 3032 MAC
         1. Review Comment
         2. Show context of the proposed change
         3. Proposed Resolution: REJECTED (MAC: 2015-01-13 21:30:24Z): The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
      2. CID 3178 GEN
         1. Review Comment
         2. Major disagreement on the word “in” (D3.0-p2470.38)
         3. This has had a major e-mail discussion prior to this week’s meeting
         4. More discussion on the difference of “in” vs “an”
         5. There was no consensus on the topic
         6. Deferred until Wednesday to allow more discussion offline.
         7. We have erred on the side of no change when we do not have consensus.
      3. CID 3179 GEN
         1. Review Comment
         2. Proposed Resolution: REVISED (GEN: 2015-01-13 21:43:41Z) Revised. Editor please change the text to: "starting time of the corresponding field relative to the start of L-STF (t=0)"
         3. No Objection – mark ready for motion GEN ATL – A
      4. CID 3180 GEN
         1. Review comment
         2. Proposed Resolution: REVISED (GEN: 2015-01-13 21:45:04Z) Editor please change the text in Table 22-10 to the following:

“Total number of transmit chains (NTX) per frequency segment”

* + - 1. No Objection – mark ready for motion
    1. CID 3181 GEN
       1. Review comment
       2. Proposed Resolution: ACCEPTED (GEN: 2015-01-13 21:49:35Z) Editor please make the proposed change throughout the draft.
       3. Discussion on if the editor can find the proper location, Sigurrd SCHELSTRAETE to check the location for a brief review tomorrow and then we can confirm the “Accept” at that time.
       4. No objection – NOT READY FOR MOTION
    2. CID 3385 MAC
       1. Review Comment
       2. Discussion on the change
       3. Review page 1032.10
       4. The wording was reviewed and revised to indicate the per user in the proper location or rather a single user or one user.
       5. Proposed Resolution: Revised add “to a user” to the end of the cited sentence.
    3. CID 3181 GEN
       1. We got some more info to consider
       2. The 4 cited locations are needed.
       3. The Revised Proposed Resolution : ACCEPTED (GEN: 2015-01-13 21:49:35Z) Editor please make the proposed change at the following locations:

Based on Draft P802.11REVmc\_D3.4:

Page 2532, line 32: Change “For a noncontiguous transmission using two 80 MHz frequency segments” to “For a noncontiguous 80+80 MHz transmission”

Page 2533, line 19: Change “For a noncontiguous transmission using two 80 MHz frequency segments” to “For a noncontiguous 80+80 MHz transmission”

Page 2569, line 38: Change “For a noncontiguous transmission using two 80 MHz frequency segments” to “For a noncontiguous 80+80 MHz transmission”

Page 2581, line 60: Change “In a noncontiguous transmission consisting of two 80 MHz frequency segments nonadjacent in frequency” to “In a noncontiguous 80+80 MHz transmission”

* + - 1. No objection – mark ready for motion GEN ATL-A
  1. Review Doc 11-15/146r0 Vinko ERCEG
     1. CID 3138 MAC
        1. Review Comment
        2. Proposed resolution seems to be on a different clause.
        3. We could add a table note, but it was noted that a note was already there.
        4. We could just change the table header –
        5. Comparison of Table 9-7 vs 23-2 discussed
        6. Proposed Resolution: Revised Add the following note to the end of Table 9-7: “ NOTE – in a TVWS band the non-HT reference rate is scaled as described in 23.2.4”
        7. No objection – mark ready for Motion
     2. CID 3139 GEN
        1. Review Comment
        2. Review the proposed Reject reason – not agreed
        3. New Proposed change
        4. Proposed Resolution: REVISED (GEN: 2015-01-13 22:26:23Z) - Modify the first two sentences of the 2nd paragraph of 4.3.13 as follows:

A TVHT STA supports all mandatory features of a VHT STA as mandatory features except for an HT-mixed format PPDUs and 20 MHz, 40 MHz, and 80 MHz channel widths. A TVHT STA supports all optional features of a VHT STA as optional features except for an HT-greenfield format PPDUs, 160 MHz or 80+80 MHz channel widths and more than 4 spatial streams.

* + - 1. No objection – Mark Ready for motion GEN ATL-A
    1. CID 3046 GEN
       1. Review Comment
       2. Proposed Resolution: REVISED (GEN: 2015-01-13 22:28:11Z) Remove reference to 22.6.
       3. No objection – Mark Ready for motion GEN ATL-A
    2. CID 3047
       1. Review Comment
       2. There seemed to be only 4 locations left with PMD.
       3. Identification of the changes to be made (and there seems to be more than 4)
       4. A submission to list the changes will be required.
       5. Action item for Vinko to check with Eldad.
       6. We could just accept the comment and get Adrian some help.
       7. Proposed Resolution: ACCEPTED (GEN: 2015-01-13 22:34:17Z)
       8. No objection – Mark Ready for motion GEN ATL-A
    3. CID 3276 GEN
       1. Review Comment
       2. Proposed Resolution: ACCEPTED (GEN: 2015-01-13 22:35:22Z)
       3. No objection – Mark Ready for motion GEN ATL-A
    4. CID 3310 GEN
       1. Review Comment
       2. Proposed Resolution: ACCEPTED (GEN: 2015-01-13 22:36:36Z)
       3. No objection – Mark Ready for motion GEN ATL-A
    5. CID 3311 GEN
       1. Review Comment
       2. Proposed Resolution: ACCEPTED (GEN: 2015-01-13 22:37:30Z)
       3. No objection – Mark Ready for motion GEN ATL-A
    6. CID 3007 MAC
       1. Review Comment
       2. Proposed Resolution: REVISED (MAC: 2015-01-13 22:40:23Z): Move the text to Sec 4.3.13 pg 78 ln 63, and change style:

"These TVHT features are available to TVHT STAs associated with a TVHT AP in a BSS. A subset of the TVHT features is available for use between two TVHT STAs that are members of the same IBSS.

A TVHT STA shall support Short GI."

Delete the following text on pg 1032 ln 5:

"For a TVHT STA, support for Short GI is mandatory."

* + - 1. Discussion on the problem of having a “shall” in clause 4.
      2. We can go back to CID 3139 GEN and update the Resolution:
      3. Proposed revised 3139 resolution: Proposed Resolution: REVISED (GEN: 2015-01-13 22:50:10Z)- Modify the first two sentences of the 2nd paragraph of 4.3.13 as follows:

A TVHT STA supports all mandatory features of a VHT STA as mandatory features except for an HT-mixed format PPDUs and 20 MHz, 40 MHz, and 80 MHz channel widths. A TVHT STA supports all optional features of a VHT STA as optional features except for an HT-greenfield format PPDUs, 160 MHz or 80+80 MHz channel widths and more than 4 spatial streams, and except Short GI which is mandatory.”

* + - * 1. This is ok for this one.
      1. Return to CID 3007 and update the proposed Resolution
      2. Revised Proposed Resolution: : REVISED (MAC: 2015-01-13 22:40:23Z): Delete the following text on pg 1032 line 5:

"For a TVHT STA, support for Short GI is mandatory."

Note to commenter, a change was made in 4.3.13 for CID 3139, to indicate that short GI is mandatory.

* + - 1. No objection – mark ready for motion
    1. CID 3008 MAC
       1. Review Comment
       2. Disagreement with the proposed change
       3. P1037.59 (D3.0) check context.
       4. Need to add at line 24 (in the table) for TVHT STAs, value 3 is reserved.
       5. Proposed Resolution: Revised. Editor please add the following sentence on page 1037 ln 24: add at the end of the value 3 “Field Present entry: “For TVHT STAs, reserved.”
  1. Recessed at 6:04pm

1. 802.11 TG REVmc called to order by Dorothy STANLEY (Aruba) at 1:32pm Wednesday 14 January 2015 PM1 –
   1. Agenda – see 11-14/1588r4
      1. Review proposed Agenda
      2. Request for CIDs to be added to agenda (3119, 3322, 3042)
         1. These were discussed in Sept/Nov – and motioned
         2. We do not have time in PM1 today, but we can add them to the end of the CID list for today, and we will get to them as we can as the list will roll-over into the next slots.
   2. Motions:
      1. **Motion 94**: Teleconference CID

Approve resolutions to comments in

The “Motion MAC-AI” tab in <https://mentor.ieee.org/802.11/dcn/13/11-13-0361-47-000m-revmc-mac-comments.xls>

The “Gen Telecon -DEC” tab in <https://mentor.ieee.org/802.11/dcn/14/11-14-0975-14-000m-lb202-gen-adhoc-comments.xlsx>

The “Other Editor for Motion” tab in <https://mentor.ieee.org/802.11/dcn/13/11-13-0233-48-000m-revmc-wg-ballot-comments.xls>

* + - 1. Moved: Jon ROSDAHL 2nd Mark HAMILTON
      2. Discussion: none
      3. Results: 16, 0,2 – Motion passes
    1. **Motion 95:** Editorial CIDs

Approve resolutions to comments in

The “Editorials for motion” tab in <https://mentor.ieee.org/802.11/dcn/13/11-13-0233-48-000m-revmc-wg-ballot-comments.xls>

The “ANA” tab in <https://mentor.ieee.org/802.11/dcn/13/11-13-0233-48-000m-revmc-wg-ballot-comments.xls>

* + - 1. Moved: Adrian STEPHENS 2nd Ganesh VENKATESAN
      2. Discussion: None
      3. Results: 17, 0, 1 Motion Passes
    1. **Motion 96:** Monday and Tuesday CIDs

Approve resolutions to comments in

The “Editor Motion Atlanta 1” tab in <https://mentor.ieee.org/802.11/dcn/13/11-13-0233-48-000m-revmc-wg-ballot-comments.xls> , except for CID 3478

The “Motion MAC-AJ” tab in <https://mentor.ieee.org/802.11/dcn/13/11-13-0361-47-000m-revmc-mac-comments.xls> except for CID 3430

The “Gen ATL-A” tab in <https://mentor.ieee.org/802.11/dcn/14/11-14-0975-14-000m-lb202-gen-adhoc-comments.xlsx>

* + - 1. Moved: Edward AU 2nd Carlos CORDEIRO
      2. Discussion: None
      3. Results: 16, 0, 1 – Motion passes
    1. **Motion 97**: Text Changes – 11-14/1618r2

Incorporate the text changes in the following document into the TGmc draft: <https://mentor.ieee.org/802.11/dcn/14/11-14-1618-02-000m-setting-of-duration-field-during-brp.docx>

* + - 1. Moved: Carlos CORDEIRO 2nd: Edward AU
      2. Discussion: None
      3. Results: 17, 0, 1 Motion Passes
  1. Schedule pulled CIDS
     1. Thurs PM1 schedule for consideration of CID3430
     2. Today we will look at CID 3478
  2. CID 3471 MAC
     1. Review Comment
     2. Proposed to reject
     3. Proposed Resolution: REJECTED (MAC: 2015-01-14 18:50:57Z): The proposed change adds complexity to the protocol with unstated and unclear benefit.
     4. No objection mark ready for motion
  3. CID 3215 Editor
     1. Review Comment
     2. Proposed Resolution: Revised – change cited location to “…STA MAC Address present field is equal to 1…”
     3. No objection mark ready for motion
  4. Review 11-14/1345r5 Adrian STEPHENS
     1. CID 3478 EDITOR
        1. Corrected location of the proposed change to ”delete EOF pad at 28.01”
        2. And updated resolution
        3. Proposed Resolution: REVISED (EDITOR: 2015-01-14 18:28:02Z) - Apply the changes in https://mentor.ieee.org/802.11/dcn/14/11-14-1345-05-000m-lb202-stephens-resolutions-part-deux.doc under CID 3319. (These changes turn “[x] Pad” fields into “[x] Padding” fields.

Make changes in https://mentor.ieee.org/802.11/dcn/14/11-14-1345-05-000m-lb202-stephens-resolutions-part-deux.doc under CID 3478. These restructure the description of the padding in an A-MPDU so that the definition of A-MPDU pre EOF padding is simpler.

* 1. Review doc 11-15/0026r1 Vinko ERCEG
     1. CID 3178 GEN
        1. Review Comment
        2. Proposed Resolution: REVISED (GEN: 2015-01-14 19:28:22Z) Revised. Editor, please change the text as follows:

from

“represents the complex baseband signal of frequency segment iSeg in transmit chain iTX;”

To

“..represents the complex baseband signal of frequency segment iSeg and transmit chain iTX;”

* + - 1. No objection – mark ready to motion
  1. Review 11-15/0146r1 Vinko ERCEG
     1. CID 3035 MAC
        1. Review comment
        2. Proposed Resolution: REVISED (MAC: 2015-01-14 19:01:41Z): Incorporate changes as shown in 11-15/0146r1 for CID 3035.

Note to editor, please fix closing parenthesis at the end.

* + - 1. No objection mark ready for motion
  1. Review doc:11-14/1620r1 Edward AU
     1. Clause 6.3.57.2.2
        1. Review concern
        2. Proposed resolution: TGmc Editors: Please apply the following changes:

Line 13, Page 338: Add 0–(232 – 1) into the missing cell for Valid range.

Line 19, Page 338: Add 0–(232 – 1) into the missing cell for Valid range.

* + 1. Clause 8.6.1.5.3
       1. Review concern
       2. Proposed Resolution: TGmc Editors: Please apply the following changes:

Line 47, Page 1199: Replace “6.3.69 (Timing measurement (Ed) request)” with “6.3.57 (Timing measurement)”.

* + 1. No objection to proposed changes – chair will prepare a motion to have the changes in this submission included in the draft.
  1. Review doc 11-15/157r0 Edward AU
     1. Review the document
     2. The changes described for 8.4.2.21.18 on pages 3 and 4 will be deleted in R1 and no change will be proposed.
     3. **Clause 8.4.2.20.19 (Fine Timing Measurement Range Request)**
        1. Review concern
        2. Review Proposed Change: TGmc Editors: Please apply the following changes:

Remove the Editor’s Note at line 54, page 782.

* + 1. **Clause 10.11.9.11 (Fine Timing Measurement Range Report)**
       1. Review Concern
       2. Review Proposed changes: TGmc Editors: Please apply the following changes on line 28, Page 833:

Replace the following paragraph

“The Subelement ID field values for the defined subelements are shown in Table 8-127 (Optional subelement IDs for Fine Timing Measurement Range Report). A Yes in the Extensible column of a subelement listed in Table 8-127 (Optional subelement IDs for Fine Timing Measurement Range Report) indicates that the subelement might be extended in future revisions or amendments of this standard. When the Extensible column of an element is set to Subelements, then the subelement might be extended in future revisions or amendments of this standard by defining additional subelements within the subelement. See 9.27.9 (Extensible subelement parsing).”

with

“The Subelement ID field values for the defined subelements are shown in Table 8-127 (Optional subelement IDs for Fine Timing Measurement Range Report).”

* + - 1. **Clause 8.6.8.32 (Fine Timing Measurement Request frame format)**
         1. Review concern
         2. no such thing as “Fine Timing Measurement Request trigger frames”.
         3. TGmc Editors: Please apply the following changes on line 49, Page 1161:

Replace “Fine Timing Measurement Request trigger frames” with “FTM trigger frames”.

* + 1. While not quite perfect, it will make searching for things later consistent and easier. This will be corrected in the future.
    2. An R1 will be posted
    3. A Motion to adopt the changes will be made on Thursday
  1. Review 11-15-0011r0 Ganesh VENKATESAN
     1. Timing Meraruement Protocol – A Clarification (relative to D3.3)
     2. Abstract: This submission addresses the following:

1. If multiple spatial streams are used to transmit the Timing Measurement frame, the Cyclic Shift Delay (CSD) introduced will cause a fuzziness in the estimated ToA of the corresponding frame at the receiver in the range of 200 nsec to 600 nsec (see table 20-10). In order to avoid this we propose to constrain transmission of the Timing Measurement frames to be limited to a single Tx RF Chain.
   * 1. Review the text changes
     2. Discussion on what the definition of RF Chain in the standard
     3. The use of RF Chain is not well defined explicitly
     4. Discussion on why DMG STAs do not restrict the RF Chain number
     5. The wording for DMG and Non-DMG should be identical and not create new errors.
     6. Updating the sentence in 10.24.5 to match the one in 10.24.6.4
     7. The changes will be made and an R1 will be posted and a motion to approve will be made on Thursday.
   1. 11-15/0033r1 – Mitsuru IWAOKA
      1. Document proposes several corrections to D3.4
      2. Review document
      3. First proposed change has already been incorporated, so move to next one.
      4. Review other changes
      5. Questions:
         1. Change in 22.3.20
            1. Concern with the change
         2. Can we review the logic before we make any motions
      6. Changes 2/3/4/5 are ok
      7. Changes 6
         1. Discussion on the change not being quite right and the original logic seemed better.
         2. Agree to remove Change 6 from R2
      8. Will produce an R2 with changed 2-3-4-5 and 7 and that will be considered tomorrow.
   2. CID 3232 and 3499
      1. These CIDs were in a document from Carlos, but Mark RISON has a new document for consideration
      2. The document 11-14/1594r4 is on the server
      3. There are some more changes that need to be applied in R5
   3. CID 3392 MAC
      1. A resolution for this CID is not prepared yet.
      2. Discussion on e-mail has not been captured yet.
      3. Will add to doc 11-14-1104, but it has not been incorporated yet.
      4. Email was reviewed – discussion not captured.
   4. CID 3479 MAC
      1. Start to look at 11-14/1104r10
      2. Review some more changes that may be required.
      3. Changes from Monday and Tuesday have not been posted.
      4. Wait for posting of 11-14/1104r11.
      5. Now review of 11-14/1104r11 as posted
      6. Review of change at 1305.23 – yellow text to be removed to a different document for later discussion in future letter ballot
      7. Review the proposed changes to the PICs
      8. The Unchanged entries are to be removed
      9. Note that CF29 line is deleted in general, and the CF30 line is changed to CF32 which is the new condition.
      10. An R12 will be uploaded to capture the changes discussed.
      11. Proposed Resolution: Revise Incorporate the text changes in 11-14/1104r12 for CID 3479.
      12. No objection – mark ready for motion.
   5. 11-15/126r2 – Emily QI
      1. CID 3459 MAC
         1. Review comment
         2. Review proposed change
         3. Proposed Resolution: Revise Incorporate the text changes in 11-15/126r2 for CID 3459.
         4. Some more discussion needed on some proposed edits for discussion later.
      2. CID 3460 MAC
         1. Review comment
         2. Review proposed change
         3. Proposed Resolution: Revise Incorporate the text changes in 11-15/126r2 for CID 3460.
         4. Some more discussion is needed on some proposed edits for discussion later.
   6. Recessed 3:30pm
2. 802.11 TG REVmc called to order by Dorothy STANLEY (Aruba) at 4:00pm Wednesday 14 January 2015 PM2 -
   1. Review Agenda – see 11-14/1588r5
      1. CID 3124 -11-14/1518 Graham SMITH
      2. 11-15/0057 Sigurrd SCHELSTRAETE
      3. 11-15/0058 Sigurrd SCHELSTRAETE
      4. 11-14/0793r7 Matthew FISCHER
      5. 11-14/1246 (CID 3488)
      6. No changes – no objection to agenda
   2. Review Doc 11-14/1518r5 Graham SMITH
      1. Addresses CID 3124
      2. Presentation of the document
      3. Question on CCA mode
      4. Discussion on the proper way to detect the CCA
      5. Clause 19 row in the table, has data that points to 18 that should not be in the text or the table. (-85dBm 10MHz and -88dBm 5MHz)
      6. Support for the direction stated
      7. More discussion on direction, many changes suggested.
      8. How to determine which CCA method?
      9. One option to possible add CCA mode 99 as well as 1-3
      10. Suggest that need additional mandatory CCA-ED at -62dBm for 20MHz
      11. More discussion on the requirements of -80dBm level.
      12. Comment: Proposed solution disadvantages new 11b devices in accessing the channel compared to existing 11b devices
      13. Straw Poll :
          1. I support resolving CID 3124 with 11-14/1518 as modified, with an additional mandatory CCA-ED at -62dBm for 20MHz; more discussion needed on -80dBm level
3. Yes
4. Yes, Not in WG LB
5. No
   * + - 1. Results – a) 12, b) 14, c) 4
     1. Action item – Graham to take the feedback and update document. A resolution for CID 3124 will have to be made tomorrow.
     2. Proposed Resolution: Reject The commenter’s proposed solution in <https://mentor.ieee.org/802.11/dcn/14/11-14-1518-05-000m-ed-cca-clause-16-and-17-text.docx> disadvantages new 11b devices in accessing the channel compared to existing 11b devices
     3. Mark Ready for Motion - Not unanimous agreement
   1. Review 11-15/0057r0 Sigurd SCHELSTRAETE
      1. Presentation of the submission
      2. Summary:

MU Beamformee Sounding capability should be decoupled from MU PPDU reception capability

Without burdening current or future devices with extra complexity

Proposed signaling scheme achieves this

Natural fit within “Supported VHT-MCS and NSS Set field”

Totally transparent to 802.11ac-2013 compliant devices

Detailed text changes are documented in separate Word document 11-15/58

* + 1. Concern with the use of the reserved bits
    2. Extending the capabilities element may be an easier solution.
    3. Other Concerns voiced on the proposal.
    4. Questions on what is not mandated? – is N\_sts\_total at least larger of the two values.
    5. Concern that this is a change to the 11ac baseline rather than a bugfix, and it may take a long time to implement the change.
    6. It is understood that 11-15/58 has to be updated
    7. Strawpoll - MUBeamformee STS Capability
       1. I support adding an indication of the MU Beamformee STS Capability in VHT Capabilities element as described in 11-15/0057

1. Yes
2. Yes, not in WGLB
3. No
   * 1. Results a) 4, b) 4, c) 22
     2. Sigurd SCHELSTRAETE will determine if he brings back an alternate proposal in a future session.
   1. Review 11-14/0793r7 Matthew FISCHER
      1. CID 3297, 3298, 3300, 3486, 3489, 3487, 3491
      2. Discussion on the proposed changes
      3. Why fewer options in this version – because the discussion has indicated that would be a good direction.
      4. Concern for making changes this late in the game.
         1. While it may seem late, these changes are coming from implementation experience and why the changes are thought to be worthwhile.
         2. Disagreement on the timing and value of the proposed changes
      5. Concern for adding a feature that may seem hidden or only partly supported in new devices.
      6. How to adjust the mode at runtime?
      7. We do not know how many have or have not gone to market as we do not care for that if we have a stable standard for use in building products.
      8. Strawpoll – 3
         1. I support adding the changes indicated in 11-14/793r7, noting that additional text changes have been identified
4. Yes
5. Yes, not in WGLB
6. No
   * + 1. Result: a) 14 , b) 4, c) 18 No
     1. Decline Resolutions will be prepared for the cited CIDS
   1. 11-14/1246r4 Matthew FISCHER
      1. This was presented in the past – initially in July
      2. Inbound/outbound language has changed to Uplink/Downlink
      3. Presentation of the submission made.
      4. Note of an error in editor instructions on page 4
         1. There was an instruction that told the editor to make the changes as shown but no changes are marked.
         2. Suggest that a diff on the originally accepted document should be done to identify the changes.
      5. MIB detail is missing an entry in the proposed MIB variable
      6. Error noted on page 11 for the size of the fields.
      7. Concern on the change of Uplink/Downlink wording – inbound/outbound.
      8. Discussion on what Use Cases are valid in these cases
      9. More discussion on effects on Mesh or other modes in the draft.
      10. To go forward, there would need to be a revision
      11. Straw Poll – 4
          1. I support adding the changes indicated in 11-14/1264r4, noting that additional text changes have been identified.
          2. Yes
          3. Yes, not in WGLB
          4. No
          5. Results: a) 13, b) 1, c) 3
      12. Action Matthew to bring a revision
          1. CID 3309 resolution would stay as is if
          2. CID 3488 would also be resolved with this submission.
   2. 11-15/126r2 – Emily Qi
      1. Resume review of R2
      2. There was some comments on the submission that were noted after we had gone to recess
         1. Page 6 – (CID 3460)
            1. Need to add quadruple quotes (double quotes )
         2. Add to the change list “At 1543.17, 1543.46 add double quotes around the word “Accept””
         3. Remove the “following values” throughout the submission
         4. A change was not marked in red - -“~~Deny~~”
      3. Proposed resolutions will be as cited before, but with r3
      4. CID 3459, Revised Proposed Resolution: REVISED (MAC: 2015-01-14 22:51:55Z): Incorporate changes in 11-15/126r3 for CID 3459.
      5. CID 3460, Revised Proposed Resolution: REVISED (MAC: 2015-01-14 22:51:55Z): Incorporate changes in 11-15/126r3 for CID 3460.
      6. No objection Mark ready for motion
   3. Review 11-14/1358r5
      1. CID 3521
         1. Review Comment
         2. Review proposed changes and cases of when renaming is appropriate and when it is not.
         3. Ran out of time – will start with this on Thursday PM1
   4. Recess 6:01pm
7. 802.11 TG REVmc called to order by Dorothy STANLEY (Aruba) at 1:32pm Thursday 15 January 2015 PM1
   1. Review Agenda:
      1. See slide 4 14/1588r7:
      2. Thursday PM1:
8. Motions
9. Comment Resolutions:
10. Mark HAMILTON: CIDs 3521, 3301, 3299, 3231, 3673, 3674
11. Gabor BAJKO: CID 3209, 11-14-1173r2
12. Jon ROSDAHL: CIDs 3126, 3127, 3352, 3101, 3464
13. Mark RISON: CIDs 3232, 3499, 11-14-1594r5
14. Mark RISON: CIDs 3322, 3392, 3462, 3211, 3477, 3523, 3393 3386 11-14-1104r12
    1. **Motion 98:**  Wednesday CIDs (slide 18; 11-14/1588r8).
       1. Approve resolutions to comments in

The “Editor Motion Atlanta 2” tab in <https://mentor.ieee.org/802.11/dcn/13/11-13-0233-49-000m-revmc-wg-ballot-comments.xls>

The “Motion MAC-AK” tab in <https://mentor.ieee.org/802.11/dcn/13/11-13-0361-48-000m-revmc-mac-comments.xls>

The “Gen ATL-B” tab in <https://mentor.ieee.org/802.11/dcn/14/11-14-0975-15-000m-lb202-gen-adhoc-comments.xlsx>

* + 1. Moved: Adrian Stephens Second: Jon Rosdahl
    2. Result: 29-0-0, motion PASSES
  1. **Motion 99:**  Text changes not associated with CIDs (Weds discussion) (slide 19; 11-14/1588r8).
     1. Incorporate the text changes in the following document into the TGmc draft:

<https://mentor.ieee.org/802.11/dcn/14/11-14-1620-01-000m-correction-to-clauses-6-3-57-2-2-and-8-6-15-3.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0157-01-000m-response-to-editor-notes-related-to-ftm.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0011-01-000m-clarifications-to-the-timing-measurement-protocol.doc>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0033-02-000m-proposed-changes-to-the-p802-11mc-d3-4-no-associated-cids.docx>

* + 1. Moved: Ganesh VENKATESAN Second: Edward AU
    2. APPROVED by Unanimous Consent -
  1. CID 3430
     1. Review comment
     2. See doc 11-14/1104r12
     3. See 1862.56 for context
     4. Want to allow Mark RISON to comment, defer for now.
  2. Mark HAMILTON CIDS
     1. CID 3521 MAC
        1. Review Comment
        2. Continue discussion from yesterday
        3. Review the Actual Proposed Resolution
        4. Proposed Resolution: Revised: incorporate changes in 11-14/1358r5 for CID 3521.
        5. No Objection – mark ready for motion
     2. CID 3301 MAC
        1. Proposed Resolution: REJECTED (MAC: 2015-01-15 18:49:08Z): The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
        2. No Objection – mark ready for motion
     3. CID 3299 MAC
        1. Proposed Resolution: REJECTED (MAC: 2015-01-15 18:50:11Z): The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
        2. No Objection – mark ready for motion
     4. CID 3231 MAC
        1. Proposed Resolution: REJECTED (MAC: 2015-01-15 18:50:50Z): The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
        2. No Objection – mark ready for motion
     5. CID 3673 and 3674 MAC
        1. Review Comment
        2. This was an Editorial CID that was moved to MAC adHoc
        3. Feedback has been requested
        4. Need to defer for now to get feedback
        5. CID 3094 has been sufficient to resolve both CID 3673 and 3674 -
  3. Gabor BAJKO: CID 3209 MAC, 11-14/1173r2
     1. Review doc 11-14/1173r2
     2. Discussion on the choice of the options 1-4
     3. Proposal from author is for Option 3
     4. Others would like to see no change for now and defer to later
     5. Straw Poll 5 – Proxy ARP
        1. We should resolve CID 3209 with

1. 11-14/1173r2 Option 3 – AP does not forward ARP announcements into the BSS
2. 11-14/1173r2 Option 4 – Leave Unspecified
3. No change to the current text in the draft
   * + 1. Results: a) 10, b) 0, c) 11
     1. Proposed resolution: Reject – REJECTED (MAC: 2015-01-15 19:13:02Z): The task group considered the options in 11-14/1173:

a) 11-14/1173r2 Option 3 - AP does not forward ARP announcements into the BSS

b) 11-14/1173r2 Option 4 - Leave Unspecified

c) No change to the current text in the draft

There was no consensus to make a change.

* + 1. After straw Poll agree to mark ready for motion
  1. CID 3126 GEN
     1. Review Comment
     2. Proposed Resolution: REJECTED (GEN: 2015-01-15 19:15:54Z) the cited sentence is not wrong.
     3. No objection – Mark ready for Motion - “GEN ATL – C”
  2. CID 3352 GEN
     1. Review comment
     2. This is a new facility and needs more work
     3. Proposed Resolution: REJECTED (GEN: 2015-01-15 19:20:21Z) The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
     4. No objection – Mark ready for Motion - “GEN ATL – C”
  3. CID 3101 GEN
     1. Review Comment
     2. Reject with the nominal not enough information resolution
     3. Proposed Resolution: REJECTED (GEN: 2015-01-15 19:36:46Z) - The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
     4. No objection – Mark ready for Motion - “GEN ATL – C”
  4. CID 3464 GEN
     1. Review comment
     2. 3 possible options – “Format and Bandwidth”; “FTM Format and Bandwidth”; Reject the comment (no change)
     3. Already done in D3.4 – “FTM Format and Bandwidth”
     4. Request to drop the “FTM”
     5. Proposed Resolution: REVISED (GEN: 2015-01-15 19:28:49Z) globally change cited term to "FTM Format And Bandwidth".

Note to Editor: this has been changed already in D3.4

* + 1. There was one objection for unanimous consent the motion for this CID will be independent.
    2. Mark Ready for motion – “GEN ATL – D”
  1. CID 3430 MAC - Revisit
     1. Discussion on whether the context is clear or not.
     2. Request for understanding of how the proposed change produces the bits expected.
     3. The concern that the change is not required
     4. The assertion is that the change improves the draft
     5. Straw Poll – 6 : CID 3430
        1. CID 3430 Should be resolved as:

1. Rejected: the cited text is clear and unambiguous
2. Revised: the cited text does not follow the format used for derivations; the proposed change makes the derivation definition consistent with those in the rest of the document and does not make a technical change; incorporate the text changes for CID 3430 in 11-14-1104r12
   * 1. Results a) 18; b) 4
     2. A separate motion will be prepared by the chair for a resolution that matches option a).
   1. Mark RISON: CIDs 3232, 3499, 11-14-1594r5
      1. CID 3232
         1. Earlier discussion has updated similar text areas
         2. Review proposed changes
         3. There was a concern on the style guide the editor will adjust as necessary
         4. Proposed resolution: Revised incorporate the changes for CID3232 in 11-14/1594r5
      2. CID 3499
         1. Same resolution as CID 3232
         2. Proposed resolution: Revised incorporate the changes for CID3232 in 11-14/1594r5
   2. Mark RISON: CIDs 3322, 3392, 3462, 3211, 3477, 3523, 3393 3386 11-14-1104r12
      1. CID 3322 EDITOR – Revisit
         1. Reviewed proposed changes – agreed to changes
         2. The resolution that was originally accepted missed a bit of changes.
         3. Update the Resolution: REVISED (MAC: 2014-09-16 13:55:01Z): Make changes as shown in 11-14/0923r4, for CID 3322 (in the table).
         4. No objection – mark ready for motion
      2. CID 3392 (MAC):
         1. Upon review, determined we’re unsure if this is supposed to cover fragments from the same STA, or from different STAs.
         2. Also, question about whether it is per TID.
         3. Think the original text meant this was for any/all STAs, and any/all TIDs.
         4. Will take off-line, and bring back in PM2.
      3. CID 3462 (MAC):
         1. Reviewed changes.
         2. Change to wording around maximum delivery interval is not agreed, and seems out of scope of this comment. Remove that.
         3. Made 1104r13 with that marked out (to be deleted).
         4. Proposed Resolution: Revised. Incorporate text changes in 11-14/1104r13 for CID 3462. Note to Editor, apply changes to CID 3459 and CID 3460 first, and then these changes.
         5. No objection. Mark ready for motion.
      4. CID 3211
         1. Reviewed the proposed changes.
         2. Need to add the other linkage stuff for the new MIB attribute. Mark will fix that, and we’ll revisit this in PM2.
      5. CID 3393 (GEN), and 3523 (MAC):
         1. Mark Rison has done a lot of work on these, but we don’t have sufficient time to review this at this point.
         2. We will reject with the standard insufficient detail reason and the commenter will bring back during the Sponsor Ballot.
         3. Proposed Resolution to resolve both as: REJECTED (MAC: 2015-01-15 20:27:46Z): The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
         4. No objection. Mark ready for motion.
      6. CIDs 3673 and 3674
         1. Mark HAMILTON has contacted Carlos CORDEIRO and confirmed that the resolution for CID 3094 is in 11-14/1413r1
         2. CID 3094 has already dealt with this issue
         3. Proposed Resolution for Both are: REVISED (MAC: 2015-01-15 18:57:26Z): Incorporate the text changes for CID 3094 in 11-14/1413r1.
         4. No objections. Mark ready for motion.
   3. Room assignment change – TGah will go to Dunwoody and TGmc will stay in Century III
   4. Review plan for last time slot
   5. Recess 3:32pm
3. 802.11 TG REVmc called to order by Dorothy STANLEY (Aruba) at 4:00pm Thursday 15 January 2015 PM2
   1. Agenda in 11-14/1588r8
      1. Comment resolution, Motions, Plans for March, Schedule
      2. AOB, Adjourn
      3. Matthew FISCHER: CIDs 3309, 3488 11-14-1246r7
      4. Mark RISON CIDs (continued) – 3392, 3211, 3477, 3386
      5. Carlos ALDANA – 11-15-0171 (max 10 minutes)
      6. 5pm – hard stop to prepare CID motions and WGLB motion
      7. Motions, AOB, Adjourn
      8. No change in Agenda from r8
   2. **Motion 100**: - Thursday PM1 CIDs
      1. Approve resolutions to comments in

The “Editor Motion Atlanta 3” tab in <https://mentor.ieee.org/802.11/dcn/13/11-13-0233-50-000m-revmc-wg-ballot-comments.xls>

The “Motion MAC-AL” tab in <https://mentor.ieee.org/802.11/dcn/13/11-13-0361-49-000m-revmc-mac-comments.xls> except for CID 3462

The “Gen ATL-C” tab in <https://mentor.ieee.org/802.11/dcn/14/11-14-0975-16-000m-lb202-gen-adhoc-comments.xlsx>

* + 1. Moved Edward AU 2nd: Al PETRICK
    2. Discussion: Request to pull out 3462 (from MAC-AL), as it references 11-14/1104r13 which needs to be cleaned up and updated.
    3. Result: 20-0-1 – motion passes
  1. **Motion 101**: Thursday PM1 CIDs - 2 (slide 23: 11-14/1588r10): CID 3464
     1. Move to Resolve CID3464 as

Revised, with a resolution of “Globally change cited term to "FTM Format And Bandwidth"

* + 1. Moved: Ganesh VENKATESAN Second: Carlos ALDANA
    2. Results: 19-1-2, Motion passes
  1. **Motion 102**: (slide 24: 11-14/1588r10): CID 3430
     1. Move to Resolve CID 3430 as

“Rejected” with a resolution of “the cited text is clear and unambiguous"

* + 1. Moved: Adrian STEPHENS Second: Ganesh VANKATESAN
    2. Results: 17-2-4, Motion Passes
  1. **Motion 103** (slide 25: 11-14/1588r10): CID 3209
     1. Move to Resolve CID 3209 as

“Rejected” with a resolution of “The task group considered the options in 11-14/1173:

a) 11-14/1173r2 Option 3 - AP does not forward ARP announcements into the BSS

b) 11-14/1173r2 Option 4 - Leave Unspecified

c) No change to the current text in the draft

There was no consensus to make a change.

* + 1. Moved: Youhan KIM Second: Adrian STEPHENS
    2. Results: 15-3-6, motion Passes
  1. Matthew FISCHER: CIDs 3309, 3488 11-14-1246r7
     1. Updated from r4, to address various comments Matthew has gotten. Reviewed Revision History for details.
     2. “An ESP STA that is not an AP is optional send ESP in Probe Response.” How can a non-AP send a Probe Response? Noted that the rules for Probe Response have been relaxed, and many types of STA send them.
     3. “An ESP STA that is an AP shall send the ESP in Beacons” Why? Normal for an optional feature, if you implement it, you shall do things (like this).
     4. How does an AP provide this information generically – not for a particular STA – in a Beacon? It will do it based on assumptions of what the next new STA joining the BSS will probably get. It needs to be in both Beacon and Probe Response for both passive and active scanning STAs.
     5. **Motion 104:** – Thursday PM2 CIDs – 1
        1. Resolve CID 3488 as Revised with the resolution of “incorporate the text changes in 11-14/1246r7”
        2. Moved Matthew FISCHER 2nd Youhan KIM
        3. Results 9-5-10 Motion Fails
        4. A Reject Resolution will need to be crafted
  2. CID 3462.
     1. 11-14/1104r13 is now posted. But it isn’t cleaned up.
     2. Defer until later
  3. CID 3392,
     1. 11-14/1104r13 for CID 3392
     2. Review the history of the comment
     3. Changed the resolution to be a NOTE that the multiple fragments might be from multiple source STAs
     4. Updated Resolution: REVISED (MAC: 2015-01-15 22:04:09Z): Incorporate text changes in 11-14/1104r13 for CID 3392.
     5. Note that R14 was on the screen, but we need to validate that R13 had the changes.
     6. No objection -- mark ready for motion
  4. CID 3211
     1. Review the 2 updated changes to the MIB
     2. Fixed up the MIB details. Now agreed.
     3. Proposed Resolution: Revised. Incorporate text changes in 11-14/1104r13 for CID 3211.
     4. No objection – mark ready for motion
  5. CID 3386
     1. Review comment
     2. Reviewed updates to the proposed changes.
     3. The original proposal had 3 terms
     4. Concern with “frequency bandwidth” as it is effectively Hz times Hz. No objection to deleting “frequency”
     5. An objection to making the change now. It is a big change. Need more review time.
     6. As the changes have mostly been available for months, wanted to proceed to motion.
     7. Proposed resolution: Revised. Incorporate the changes shown in 11-14/1104r14.
     8. Dorothy will create an individual motion for this CID.
  6. CID 3477
     1. Review comment context
     2. Reviewed proposal.
     3. Proposed Resolution: Revised. Incorporate changes in 11-14/1104r13 for CID 3477.
     4. Mark ready for motion
  7. Break to catch up databases and prepare motions….
     1. Stand at ease while we check the comment database -5:01pm
     2. Reconvene at 5:09
  8. **Motion 105:** Thursday Pm2 CIDs – 2
     1. Resolve CID 3488 as “Rejected” the TG discussed the changes proposed in 11-14/1246r7 and there was not consensus to make the proposed changes.
     2. Moved: Adrian STEPHENS 2nd Jon ROSDAHL
     3. Discussion: None
     4. Results: 7-1-8 Motion Passes
  9. **Motion 106**: – Thursday PM2 CIDs – 3
     1. See slide 28 in 11-14/1588r10
     2. Move to Resolve
* CID 3392 as “Revised” with a resolution of “Make the changes described in 11-14-1104r13 under “Proposed changes:” for CID 3392.”
* CID 3211 as “Revised” with a resolution of “Make the changes described in 11-14-1104r13 under “Proposed changes:” for CID 3211.”
* CID 3477 as “Revised” with a resolution of “Make the changes described in 11-14-1104r13 under “Proposed changes:” for CID 3477.”
  + 1. Moved: Mark RISON 2nd Edward AU
    2. Discussion - None
    3. Results: 121,1,3 Motion Passes
  1. **Motion 107**: – Thursday PM2 CIDs – 4
     1. Resolve CID 3462 as “revised” with a resolution of “incorporate text changes in 11-14/1104r14 for CID 3462. Note to Editor, apply changes to CID 3459 and CID 3460 First, and then these changes.
     2. Moved Mark RISON 2nd Edward AU
     3. Discussion: None
     4. Results: 15,0,5 Motion passes
  2. **Motion 108**: – Thursday PM2 CIDs – 5
     1. Resolve CID 3386 as “Revised” with a resolution of “incorporate text changes in 11-14/1104r14 for CID 3386.
     2. Move Mark RISON 2nd Edward AU
     3. Discussion: Concern with the extensive list of potential changes
        1. Clarify which CID Topic goes with this CID
     4. Results: 6-6-9 Motion Fails
     5. Need to Craft a new Proposed Resolution
  3. **Motion 109**: Thursday PM2 CIDs – 6
     1. Resolve CID 3386 as “Rejected with the resolution of “There was concern that the proposed changes may include behavioural changes”
     2. Moved: Eldad PERAHIA 2nd Youhan KIM
     3. Discussion: none
     4. Result: 14-2-6 Motion Passes
  4. Recheck the CID database for complete set of resolutions
     1. The Editor confirmed that all CIDs have been processed.
  5. **Motion 110**: Motion for WGLB on P802.11mc D4.0
     1. (Slide 32 -- 11-14/1588r10)
     2. **Having approved comment resolutions for all of the comments received from LB202 on P802.11mc D3.0**

**Instruct the editor to prepare P802.11mc D4.0 incorporating these resolutions and**

**Approve a 20 day Working Group Recirculation Ballot asking the question “Should P802.11mc D4.0 be forwarded to Sponsor Ballot?”**

* + 1. Moved : Jon ROSDAHL 2nd Mark HAMILTON
    2. Discussion: None
    3. Result: 18-0-1 Motion Passes
  1. March Meeting Planning:
     1. **Objectives: Complete Comment Resolution on D4.0**
     2. **Conference Calls 10am Eastern 2 hour**
        1. None scheduled as the LB may not start soon enough to warrant having any between now and the March Session.
        2. At Most we might could hold one call, so no call is scheduled.
        3. Question on when Potentially going to ballot on D4.0 on an unchanged Draft – currently we believe it would be out of March
        4. Once we have condition approval we can use the accelerated process to complete any linger comment processing
        5. We can anticipate going to Sponsor Ballot in April and start being busing again in May on those comments.
     3. **Ad-Hoc meeting – Planning 2015 July 7-8-9-10 (Tues-Fri, HI location) to process SB comments**
        1. Still planning on holding an AdHoc to accelerate the comment processing
        2. Hoping to finalize during the March Meeting
     4. **Schedule review**
        1. We reviewed the schedule while discussing the Telecon schedule.
     5. **Availability of 11mc in the IEEE store**
     6. D3.0 is available
     7. **Forward to ISO JTC1/SC6 WG1**
     8. D4.0 after successful ballot
  2. Seeing no further business
  3. Adjourned at 5:37pm

**References:**

Monday PM1:

<https://mentor.ieee.org/802.11/dcn/14/11-14-1588-01-000m-tgmc-agenda-january-2015.pptx>

<https://mentor.ieee.org/802.11/dcn/14/11-14-1509-01-000m-revmc-minutes-for-november-san-antonio.docx>

<https://mentor.ieee.org/802.11/dcn/14/11-14-1568-05-000m-tgmc-teleconference-minutes-nov-dec-2014-jan-2015.docx>

<https://mentor.ieee.org/802.11/dcn/14/11-14-1345-04-000m-lb202-stephens-resolutions-part-deux.doc>

<https://mentor.ieee.org/802.11/dcn/14/11-14-1104-09-000m-resolutions-for-some-mac-pics-and-security-comments-on-11mc-d3-0-lb202.docx>

Monday PM2:

<https://mentor.ieee.org/802.11/dcn/14/11-14-1104-10-000m-resolutions-for-some-mac-pics-and-security-comments-on-11mc-d3-0-lb202.docx>

Tuesday PM1:

<https://mentor.ieee.org/802.11/dcn/14/11-14-1588-02-000m-tgmc-agenda-january-2015.pptx>

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Tuesday PM2:

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<https://mentor.ieee.org/802.11/dcn/14/11-14-0954-03-000m-lb202-cid3296-bw-support.docx>

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<https://mentor.ieee.org/802.11/dcn/15/11-15-0146-00-000m-lb202-misc-tvht-cids.docx>

Wednesday PM1:

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<https://mentor.ieee.org/802.11/dcn/15/11-15-0033-02-000m-proposed-changes-to-the-p802-11mc-d3-4-no-associated-cids.docx>

Wednesday PM2:

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