IEEE P802.11  
Wireless LANs

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| REVmc BRC Minutes for June - Portland | | | | |
| Date: 2015-06-29 | | | | |
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Abstract

REVmc BRC Face to Face meeting at Jones Farms in Hillsboro, Oregon. June 17-19, 2015

R1: correct spelling of Chair’s name and link to 11-15/719r0

1. **REVmc BRC at Intel Jones Farm office – Hillsboro, Oregon -17 June 2015 – AM1**
   1. **The session was called to order** at 9:00am PT by Dorothy STANLEY (HP)
   2. **Attendance**: Dorothy STANLEY (HP), Adrian STEPHENS (Intel), Emily QI (Intel), Edward AU (Marvel); Jon ROSDAHL (CSR); Mark RISON (Samsung);
      1. For short time: Youhan KIM (Qualcomm); Graham SMITH (SRT Wireless);
   3. **Patent Policy Reviewed**
      1. No issues noted
   4. **Review Draft Agenda: 11-15/744r2**
2. Call to order, patent policy, attendance
3. Editor Report
4. Weds AM – Comment resolution:
   1. CID 6385, also see 11-14/0935 Page 4;
   2. CID 6105; Proposed resolution:
   3. RAC comments (Jon ROSDAHL)
   4. 11-15/0762 if time available
      1. Weds PM1 – Motions, comment resolution:
   5. Motion: Approve the comment resolutions in 11-15-0565r4 "Motion MAC-AN" tab (4 comments discussed in Vancouver) and incorporate the indicated text changes into the draft.
   6. Motion: Incorporate the text changes in <https://mentor.ieee.org/802.11/dcn/15/11-15-0012-04-000m-location-capability-indication.doc> into the draft.
   7. Motion - June 5 CIDs – includes GEN, MAC, EDITOR comments, need to check documents with resolutions
   8. Any available CIDs: expect continued discussion of 11-15-0762
5. Weds PM2 –
   1. Editorials needing input: includes 5230, 5232, 5233, 5234;
   2. Gloria GWYNNE’s comments at 4pm Pacific
   3. Available CIDs
6. Thurs AM1 – Comment resolution:
   1. CIDs 5190, 5191, 5192 -Stephen MCCANN (BlackBerry), see 11-15/0761
   2. 10am - 11-15/0760 – Sigurd SCHELSTRAETE (Quantenna)
   3. Additional available CIDs
7. Thurs PM1 – Motions, Comment resolution:
   1. Motions on Wednesday CIDs
   2. Any available CIDs: Mark RISON. 11-15/762
8. Thurs PM2 - Comment resolution:
   1. Security CIDs – Dan HARKINS, see 11-15-0764, 11-15-0763
9. Fri AM – Comment resolution
   1. Location CIDs
10. Fri PM1 – Motions, Comment resolution:
    1. Motions on Thursday CIDs
    2. Any available CIDs
       1. Discuss the agenda – will post updated draft in 11-15/744r3
       2. Approved draft plan without objection.
    3. **Editor Report**
       1. Review doc 11-13/95r22
       2. Slide 9 - 8 editorials objected – there is a disagreement and will need to review one at a time
       3. Slide 9 – 9 editorials that have reworked and need to review based on a subsequent submission noting some differences with how the editor indicated the change will be made.
       4. Slide 9 – Editorials – objected, submission-required – need a submission to be able to resolve the issue – look for the comment group in the spreadsheet.
       5. Slide 10 – Speculative editing has started 660/955 have been edited – 295 left to edit as well as the technical edits to be done later.
       6. Slide 11 – list of assignees – need to be updated as assignments are made.
       7. Slide 14 – list of CID needing review/discussion – will add to Wednesday PM1 agenda (which had a partial list).
    4. **Comment Resolution**:
       1. CID 6385
          1. Review Doc 11-14/935r2 page
          2. Review Doc 11-15/0739r1 (minutes from telecons)
       2. CID 5120 and 6384 MAC – need review
          * 1. The resolution looks ok
            2. Resolutions have not been put in database yet.
            3. MAC AdHoc needs to be updated first -
       3. CID 6383 GEN
          * 1. Revise resolution: REVISED (GEN: 2015-06-17 16:35:33Z) - Delete the dot11GASReceivedFragmentCount and dot11GASTransmittedFragmentCount variables/attributes from the MIB.
            2. Mark Ready for Motion – Comment Group: Hillsboro-A
       4. CID 6382 (EDITOR) and 5063 (MAC)
          1. Review CIDs and the discussion notes and subsequent CIDs with Type
          2. Related CIDs have had a discussion on reflector
          3. (Youhan KIM (Qualcomm) joined the WebEx call
          4. Review draft for context in Figure 8-251
          5. The impact of the “sub-type” change is small or at least the estimate is not significant
          6. There are 67 hits of “of type” to consider.
          7. The “Type” Subfield is the concern that should be considered.
       5. Review CID 6491 (EDITOR) – A resolution was not proposed in 11-15935r2 – it is related to CID 6382 –
          * 1. From Database Resolution: REVISED (EDITOR: 2015-06-12 11:15:41Z) - Replace "of type Data or MMPDU" with "with the Type subfield equal to Data or Management".
            2. Will be part of Editor Motion in the future. – currently in comment group “Editorials – rework”
            3. Mark Ready for Motion
       6. CID 6382 – Resolution: REVISED (EDITOR\_A: 2015-05-31 12:43:47Z) Revised, Incorporate the text changes in 11-14/935r2 under the heading of “control type of MPDU” (<https://mentor.ieee.org/802.11/dcn/14/11-14-0935-02-000m-miscellaneous-802-11mc-d3-0-issues.docx>)
          1. Will be part of Editor motion – Current comment Group “Editorials”
          2. Mark Ready for Motion
       7. CID 5063 (MAC)
          * 1. Proposed Resolution: Revised; Replace all “MPDU of Type <x>” with “MPDU with the Type subfield equal to <x>”.
            2. Mark ready for Motion –
       8. CID 6634 (EDITOR)
          1. Review comment
          2. Note in Adrian’s Document 11-758r0 to not indicate “Mark’s doc” but rather “11-953r2”
          3. 4 Instances of “Null Function” that should just be “Null”
          4. Make 4 changes in 11-15758r1 for the resolution:
          5. Change fields to subfields
          6. Proposed resolution: Revised. At 1247.38 replace "Data frames sent under the DCF shall use the frame type Data and subtype Data or Null Function." with "A Data frame sent under the DCF shall have the Type subfield set to Data and the Subtype subfield set to Data or Null."

At 1247.38 replace "STAs receiving Data type frames shall not indicate a Data frame to LLC when the subtype is Null Function, but shall indicate a Data frame to LLC when the subtype isData, even if the frame body contains zero octets" with "A STA receiving a frame with the Type subfield equal to Data shall not indicate the frame to the LLC when the Subtype subfield is equal to Null, but shall indicate the frame to the LLC when the Subtype subfield is equal to Data, even if the frame body contains zero octets."

At 568.31 & 1278.43: Delete “Function”

Replace all "of type Data" (case insensitive) with "with the Type subfield equal to Data", excluding 3270.58.

* + - 1. Mark Ready for Motion –
    1. CID 6635 (EDITOR)
       1. The discussion on data type frames – there are subtypes, but for Management Frames, there is not a “subtype”.
       2. 831 instances of Management Frames
       3. 5 instances of “type Management” – 4 of these are the proposed to be changed.
       4. Resolution: REVISED (EDITOR: 2015-06-10 13:35:25Z) -
       5. At 993.38, replace "frame of type management" with "Management frame"

At 933.44, replace "frames of type management" with "Management frames"

At 1451.01, replace "A frame of type Management" with "A Management frame"

* + - 1. Mark ready for Motion
      2. The 5th instance see 1420.10 –
         1. This is really type and subtype –
         2. It is not really covered by this comment
         3. This will need to be covered in a different comment with submission for the changes.
    1. CID 6386 (GEN)
       1. Review Resolution from Telcon: REVISED (GEN: 2015-05-29 15:49:37Z) Delete the "Order" columns from Tables 8-168 and 8-169
       2. Correct -- Marked ready for motion – Comment Group “May-June Telecon”
    2. CID 6387 (GEN)
       1. Review Resolution from Telecon: REVISED (GEN: 2015-05-29 15:51:43Z) Replace "VHT" with TVHT" at 2595.44 (twice) , 2595.48 (twice), 2595.51 (twice).
       2. Correct -- Marked ready for motion – Comment Group “May-June Telecon”
    3. CID 6385 (GEN)
       1. Review comment
       2. See context in 6.5.6.2
       3. Review issue as noted in 11-15/935r2 and 11-15/758r0
       4. The discussion in 758r0 does not seem correct now.
       5. Discuss change options – update proposed resolution
       6. Need to make consistent with CID 6420
       7. 53 instances of “high rate PHY” that was to change to “HR/DSS PHY”
       8. Make the resolution consistent with “HR/DSS PHY”
       9. Last issue is on the primitives that were not referenced and were proposed to be removed before.
          1. This was a proposal in the 11-15/935r1 to remove the primitives.
          2. Question on if there is some usage of this primitive
       10. New Proposed Resolution: Revised.

Replace “DS PHY” with “DSSS PHY” at 2187.29, 2187.31, 2187.37, and 2197.06.

Replace “DS PHY” with “HR/DSSS PHY” at 2214.17 and 2214.20.

At 537.61 delete “for testing DS PHY”

* + - 1. TBD are the two test primitives and if they need to be deleted
      2. Dorothy to check with Vinko/Youhan et al. about possible usage.
    1. CID 6105 (GEN)
       1. Discuss the CID and if it was proper to reject if some changes covering the topics were made.
       2. Note that there are no changes made due to 11-14/935r1, but rather due to R2 or by 11-15/758r1.
       3. Proposed Resolution: REJECTED (GEN: 2015-06-17 17:42:33Z) Rejected – The topics covered by 11-14/935r1 have been covered by comments that are cited in 11-15/935r2 and 11-15/758r1.
       4. Some discussion – not unanimous in wording
          1. Mark Ready for Motion – Comment Group: Hillsboro-A
  1. Short Recess – 10:45 PT to 10:54 PT
  2. **RAC Comments**
     1. Discussion on the RAC Comments – direction was to add the Company ID as the RAC has created this category.
     2. Most are going to be accept with some revise
     3. CID 6899 (GEN) –
        1. Review comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 17:59:09Z)
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
     4. CID 6871 (GEN) –
        1. Review comment
        2. Proposed Resolution: REVISED (GEN: 2015-06-17 18:03:39Z) at 560.56 after "(OUIs)" add ", Company IDs (CIDs), " and at 560.57 after "OUI" add ", CID".
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
     5. CID 6875 (GEN)
        1. Review Comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 18:10:08Z)
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
     6. CID 6876 (GEN)
        1. Review comment
        2. Discuss value of cited sentence.
        3. Proposed Resolution: REVISED (GEN: 2015-06-17 18:15:30Z) delete the Cited sentence - note it is duplicative of text at line 35-38.
        4. Mark Ready for Motion – Comment Group: Hillsboro-A
     7. CID 6874 (GEN)
        1. Review Comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 18:17:08Z)
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
     8. CID 6873 (GEN)
        1. Review comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 18:18:07Z)
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
     9. CID 6872
        1. Review comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 18:18:51Z)
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
     10. CID 6879 (GEN)
         1. Review comment
         2. Proposed Resolution: REVISED (GEN: 2015-06-17 18:23:33Z) Delete last ow "Other Any Reserved" from Table 8-128 (Cipher suite selectors); Table 8-130 (AKM suite selectors); Table 11-6 (KDE);
         3. Mark Ready for Motion – Comment Group: Hillsboro-A
     11. CID 6877 (GEN)
         1. Review comment
         2. GEN: 2015-06-17 18:26:24Z - cited sentence: The order of the OUI (organizationally unique identifier) field is described in 8.2.2 (Conventions).
         3. Open for discussion - need to think about the field name - Unique Identifier - or OUI/CID/VID or something else, or leave name and change definition.
  3. **Recess** at 11:30am ET for Lunch

1. **REVmc BRC at Intel Jones Farm office – Hillsboro, Oregon -17 June 2015 – PM1**
   1. **Called to order** at 1pm PT by the Chair, Dorothy Stanley (HP)
   2. **Attendance**: Dorothy STANLEY (HP), Adrian STEPHENS (Intel), Emily QI (Intel), Edward AU (Marvel); Jon ROSDAHL (CSR); Paul NIKOLICH (802 Chair); Youhan Kim (Qualcomm); Mark RISON (Samsung); Graham SMITH (SRT Wireless); Dick ROY (SRA)
   3. **Review Patent Policy**
      1. No issues identified
   4. **Review Agenda** for this meeting slot 11/744r3
      1. Draft as shown in11/744r3 (and in the morning’s minutes) was reviewed
      2. Added for Youhan review of CID 6385
      3. No other additions.
   5. **Motions**:
      1. **Motion #129**: - MAC-AN Tab

Approve the comment resolutions in 11-15-0565r4 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0565-04-000m-revmc-sb-mac-comments.xls>) "Motion MAC-AN" tab (4 comments discussed in Vancouver) and incorporate the indicated text changes into the draft.

* + - 1. Moved: Edward AU 2nd Emily Qi
      2. Discussion – none
      3. Results: Y: 7 N:0 A:1 Motion Passes
    1. **Motion #130:** Location Capability Indication

Incorporate the text changes in <https://mentor.ieee.org/802.11/dcn/15/11-15-0012-04-000m-location-capability-indication.doc> into the draft.

* + - 1. Moved: Adrian STEPHENS 2nd Edward AU
      2. Discussion – none
      3. Results: Y: 6 N: 0 A: 2 -- Motion Passes
  1. CID 6385 (GEN)
     1. Review discussion and progress from earlier this morning.
     2. Question on the removal of two primitives: “6.5.5 PLME-DSSSTESTMODE.request and “6.5.6 DSSSTESTOUTPUT.request”.
     3. The main concern if there was any external groups using these primitives.
     4. This was discussed in earlier sessions (during 3.0 draft comment resolution), and it was going to be removed, but the proposed document that would have removed it was not motioned.
     5. This question is still open as to whether or not to delete the primitives or just to fix them is still debatable.
  2. **RAC comments**
     1. CID 6896 (GEN)
        1. Review Comment
        2. Need to check the 17 locations that use "organizationally" and make consistent.
        3. OUI - is Organizationally Unique Identifier - cannot change.
        4. The RAC now use MAC-L and several other "MA" with different sizes
        5. Make consistent where not associated with OUI.
        6. **Action item**: Jon to review locations and provide suggested resolution.
     2. CID 6897 (GEN)
        1. Review Comment
        2. Similar issue as 6896 -
     3. CID 6898 (GEN)
        1. Review Comment
        2. Similar issue as 6896
     4. CID 6878 (GEN)
        1. Review comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 20:28:32Z)
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
     5. CID 6880 (GEN)
        1. Review comment
        2. Proposed Resolution: REVISED (GEN: 2015-06-17 20:44:32Z) at 999.43 change "public OUI" to "organization identifier".
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
     6. CID 6881 (GEN)
        1. Review Comment
        2. Discussion on if the RAC may not accept the rejection of the change request. Decision to reject the CID as we have not been updating the Deprecated clauses.
        3. Proposed Resolution: REJECTED (GEN: 2015-06-17 20:50:11Z) The cited text is contained in the deprecated clause defining TKIP (See page 130 line 1)
        4. Mark Ready for Motion – Comment Group: Hillsboro-A
     7. CID 6882 (GEN)
        1. Review comment
        2. Proposed Resolution: REVISED (GEN: 2015-06-17 21:00:03Z) - At 1966.59 Add a sentence before "The order of the OUI field is described in 8.2.2 (Conventions)."

"The OUI field contains either an OUI or CID."

* + - 1. Mark Ready for Motion – Comment Group: Hillsboro-A
    1. Dick ROY (SRA) Joined the WebEx call
    2. CID 6881
       1. Review Comment
       2. Proposed Resolution: REJECTED (GEN: 2015-06-17 20:50:11Z) The cited text is contained in the deprecated clause defining TKIP (See page 130 line 1- D4.0)
       3. Mark Ready for Motion – Comment Group: Hillsboro-A
    3. Paul NIKOLICH (802) Dropped from the call.
    4. CID 6883 (GEN)
       1. Review comment
       2. Note that we have another issue like CID 6879 to delete the last row of table – update CID 6679
       3. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 21:01:25Z)
       4. Mark Ready for Motion – Comment Group: Hillsboro-A
    5. CID 6895 (GEN)
       1. Review Comment
       2. Proposed Resolution: REVISED (GEN: 2015-06-17 21:06:53Z) - at 1779.16 and 1786.39 change "defined" to "described"
       3. Mark Ready for Motion – Comment Group: Hillsboro-A
    6. Emily QI (Intel) had to leave at 2:15pm ET
    7. CID 6884 (GEN)
       1. Review comment
       2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 21:17:08Z)
       3. Mark Ready for Motion – Comment Group: Hillsboro-A
    8. CID 6885 (GEN)
       1. Review comment
       2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 21:17:57Z)
       3. Mark Ready for Motion – Comment Group: Hillsboro-A
    9. CID 6886 (GEN)
       1. Review comment
       2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 21:18:36Z)
       3. Mark Ready for Motion – Comment Group: Hillsboro-A
    10. CID 6887 (GEN)
        1. Review comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 21:19:09Z)
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
    11. CID 6888 (GEN)
        1. Review Comment
        2. Proposed Resolution: REVISED (GEN: 2015-06-17 21:22:01Z) at 3089.42 Delete the sentence: "The OUI attribute contains an organizationally
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
    12. CID 6890 (GEN)
        1. Review comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 21:24:32Z)
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
    13. CID 6889 (GEN)
        1. Review comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 21:24:55Z)
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
    14. CID 6891 (GEN)
        1. Review comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 21:26:32Z)
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
    15. CID 6892 (GEN)
        1. Review comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 21:27:40Z)
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
    16. CID 6893 (GEN)
        1. Review comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 21:28:06Z)
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
    17. CID 6894 (GEN)
        1. Review comment
        2. Proposed Resolution: ACCEPTED (GEN: 2015-06-17 21:28:48Z)
        3. Mark Ready for Motion – Comment Group: Hillsboro-A
  1. **Review document 11-15/762r0**
     1. 11-15/762r1 will capture the discussion changes today.
     2. CID 6562 (MAC), 6563 (MAC), and 6075 (MAC)
        1. Review comments
        2. 4 issues with these CIDs.
        3. The proposal is not complete – would like to have offline review and get feedback prior to finalizing
     3. CID 6390 (EDITOR)
        1. Review comment and the proposed resolution.
        2. Note that for 651.27 there is a colored space that is deleted, and it looks like a hyphen between Listen Interval parameter that should be ListenInterval.
        3. Proposed resolution: REVISED (EDITOR: 2015-06-17 21:41:07Z) - Make the changes shown under “Proposed changes” for CID 6390 in <https://mentor.ieee.org/802.11/dcn/15/11-15-0762-01-000m-resolutions-for-some-comments-on-11mc-d4-0-sbmc1.docx>, which distinguish the MLME SAP parameter from the MMPDU field from the general notion.
     4. CID 6389 (MAC)
        1. Review comment
        2. Question on why it changed from should to shall?
        3. Discussion on what is trying to be signaled – signal that the maximum number of spatial streams is being used, so what is the condition.
        4. There seems to be confusion on what is being tried to be included in the standard.
        5. More discussion on what could be done to improve the wording, but need to determine how to determine what needs to be communicated.
        6. If an AP changes its operation, then those STAs that are sleeping and not hearing every beacon will eventually be lost.
  2. Time – 3pm
     1. Will continue tomorrow during PM1
     2. We will take Gloria’s CIDs at 4pm
     3. Tomorrow PM1 we will take the motions,
     4. Tomorrow PM2 will be topic Security
  3. **Recess** at 3:01pm

1. **REVmc BRC PM2 Wednesday 17 June 2015 – PM2**
   1. **Called to order** at 3:30pm pm PT by Dorothy STANLEY (HP)
   2. **Attendance**: Dorothy STANLEY (HP), Adrian STEPHENS (Intel), Edward AU (Marvel); Jon ROSDAHL (CSR); Mark RISON (Samsung); Dick ROY (SRA)
   3. Agenda: - Editorials needing input: includes 5230, 5232, 5233, 5234, similar to 5308, Editorials objected: Discuss: 5300, 5344, 5536, 6114, 6318, 6319, 6517, 6634, 6740, 6776, 6836, 6844, Review: 5308, 5357, 6248 + all the “Style” comment groups
   4. Gloria GWYNNE’s comments at 4pm Pacific
   5. Recess time hard stop 5pm
   6. **Editorials needing input**:
      1. CID 5300 (EDITOR)
         1. Review comment
         2. Discussion on Basic requests and Basic reports.
         3. For Basic Requests, they were all in the proper case
         4. Basic report has several instances that need the case fixed.
         5. Proposed Resolution: REVISED (EDITOR: 2015-06-17 22:43:31Z) - Globally change "basic report" to "Basic report".
      2. CID 5344 (EDITOR)
         1. Review comment – same issue
         2. Proposed Resolution: REVISED (EDITOR: 2015-06-17) - Globally change "basic report" to "Basic report".
      3. CID 5536 (EDITOR)
         1. Review comment
         2. The proposed resolution needs more work
         3. A Submission will be required.
      4. CID 6114 (EDITOR)
         1. Review CID
         2. FIPS publication error – will the later version be correct?
         3. This is the SHA-1 reference in FIPS pub 180-3, so we need to check for correction if possible.
         4. Dorothy to assign to Dan HARKINS
      5. CID 6120 (EDITOR)
         1. Review comment
         2. Transition vs movement discussion
         3. After some discussion, no consensus was agreed with, so the CID state was marked submission required.
         4. Some wanted to reuse the word transition, others did not like to reuse the word being defined in the definition
         5. Stating that the transition of a STA between BSS should be described clearly without the word transition was the heart of the argument.
         6. CID 6127, 6128 are similar and will be marked as submission required
      6. CID 6270 (EDITOR)
         1. Change Resolution: REVISED (EDITOR: 2015-06-17 23:01:08Z) - DMG SC PHY, DMG low-power SC PHY, DMG OFDM PHY and DMG control PHY will be replaced as DMG SC mode, DMG low-power SC mode, DMG OFDM mode, and DMG control mode, respectively.
         2. Mark Ready for Motion - Editorials
      7. CID 6287 (EDITOR) –
         1. not a discuss CID – marked Accept before
         2. Review Resolution: ACCEPTED (EDITOR: 2015-06-12 08:43:10Z)
      8. CID 6318 (EDITOR)
         1. Review comment
         2. RSNA is used repeatedly as an association
         3. RSN only 3 instances change to RSNA
         4. Proposed Resolution: Accept
         5. No objection – Mark Ready for Motion
      9. CID 6319 (EDITOR)
         1. Review comment
         2. Discussion on numbers being used
         3. If we use numbers for words, do we need the encoding column in Table D-2?
         4. Assign to Peter ECCLESINE
      10. CID 6517 (EDITOR)
          1. Review Comment
          2. This was discussed before.
          3. As this is Sponsor Ballot the comment was posted again for consideration. – past comments aside, this is a comment for consideration this time.
          4. Straw Poll on if the Note is necessary – we can also discuss during the security discussion.
             1. Straw Poll – Should we add a note?

Results: Y:11=2 N: 111 = 3 A: -=0

* + - 1. Separate motion will be needed on this CID.
      2. More discussion will occur
    1. There are 8 more CIDs in the editor need discussion
  1. **OCB CIDs**
     1. CID 5230 (GEN)
        1. Review comment
        2. Page 79 gives a hint for the definition of OCB
        3. Wordsmith the definition
        4. Discussion on STA not being a member of BSS, is a member of an OCB
        5. What Services does a OCB STA use was discussed
        6. Straw poll
           1. Three options for the text:
           2. Alternate 0: yyyyy = 5

Revised. Insert at 36.47:

"outside the context of a basic service set (BSS) (OCB): A mode of operation in which a STA is not a member of a BSS and does not utilize IEEE Std 802.11 authentication, association, or data confidentiality services."

* + - * 1. Alternate 1: yyy = 3

Revised. Insert at 36.47:

"outside the context of a basic service set (BSS) (OCB): A mode of operation in which a STA is not a member of a BSS and does not utilize IEEE Std 802.11 authentication or association."

* + - * 1. Alternate 2: yyy = 3

Revised. Insert at 36.47:

"outside the context of a basic service set (BSS) (OCB): A mode of operation in which a STA is not a member of a BSS."

* + - * 1. Results: Alternate 0 chosen
      1. Proposed Resolution: REVISED (GEN: 2015-06-17 23:24:12Z) Insert at 36.47: “outside the context of a basic service set (BSS) (OCB): A mode of operation in which a STA is not a member of a BSS and does not utilize IEEE Std 802.11 authentication, association, or data confidentiality services."
      2. Mark Ready for Motion – Hillsboro-A
    1. CID 5232 (GEN)
       1. Review comment
       2. IEEE 1609 family of standards have several standards, but there is not an IEEE 1609 standard, but rather IEEE Std 1609.0-2013 for example.
       3. Proposed Resolution: REVISED (GEN: 2015-06-17 23:40:44Z) At 79.23 Add ", such as those described in the IEEE 1609 [Bxx] family of standards"

Add IEEE Std 1609.0-2013 to the bibliography.

* + - 1. Mark Ready for Motion – Hillsboro-A
    1. CID 5233 (GEN)
       1. Review comment
       2. Proposed Resolution: REVISED (GEN: 2015-06-17 23:47:13Z) Revised. At 79.29 Add “ (see Annex E)" at the end of the sentence.
       3. Mark Ready for Motion – Hillsboro-A
    2. CID 5234 (MAC)
       1. Review Comment
       2. Wordsmith proposal
       3. Proposed Resolution: Revised. At 1287.27, replace sentence "Higher layer protocols may negotiate a rate outside the mandatory rate set." with

"A higher layer protocol entity within a STA in which dot11OCBActivated is true might negotiate a rate outside the mandatory rate set."

* + 1. CID 6838 (MAC)
       1. Review last discussion from Telecon minutes
       2. **Action item** for Mark HAMILTON. to mark in Database.
  1. **Recess** at 5:02pm

1. **REVmc BRC at Intel Jones Farm office – Hillsboro, Oregon -18 June 2015 - AM1**
   1. **Called to order** at 9:04am PT
   2. **Review Patent Policy**
      1. No issues identified.
   3. **Attendance**: Dorothy STANLEY (HP), Adrian STEPHENS (Intel), Emily QI (Intel), Edward AU (Marvel); Jon ROSDAHL (CSR); Mark RISON (Samsung); Sigurd SCHELSTRAETE (Quantenna); Youhan KIM (Qualcomm);
   4. **Review Agenda**:

Thurs AM1 – Comment resolution:

1. CIDs 5190, 5191, 5192 –(Stephen MCCANN), see 11-15-0761
2. 10am - 11-15-0760 – (Sigurd SCHELSTRAETE)
3. Additional available CIDs
   * 1. Add to Additional Available CIDS: “CID 6114, GEN Review tab in 11-15/665r2 (Jon ROSDAHL), and 11- 15/762r2 (Mark RISON)
   1. **Editor Report** –
      1. Nothing to add this morning
   2. **CID 6114** (EDITOR)
      1. Requested info from Dan HARKINS: “The url for the reference should be <http://csrc.nist.gov>”
      2. The resolutions becomes: REVISED (EDITOR: 2015-06-18 16:12:07Z) - at 4.61: Change "http://www.ntis.org/" to <http://csrc.nist.gov>
      3. Mark ready for motion
   3. **GEN Review Tab – 11-15/665r2**
      1. CID 6385 (GEN)
         1. Review updated response on the outstanding question on whether to delete the primitive or not.
         2. There is one request to not delete as there may be a test case that is using it, but there was less reason to keep if it is only a rumor of a use
   4. Sigurd SCHELSTRAETE (Quantenna) joined the call at 9:55am PT
   5. **Review 11-15/760r1** - Sigurd SCHELSTRAETE (Quantenna)
      1. Review document
      2. CID 5867 (MAC) and 5873 (MAC)
         1. Review comment and proposed changes
         2. Proposed changes: Change the text as shown below:

At 591.61:

The TA field is the address of the STA transmitting the RTS frame or the bandwidth signaling TA of the STA transmitting the RTS frame.

At 611.56:

The TA field is set to the address of the STA transmitting the VHT NDP Announcement frame or the

bandwidth signaling TA of the STA transmitting the VHT NDP Announcement frame.

* + - 1. The text changes proposed may not show in the spreadsheet very well.
      2. Proposed Resolution: Incorporate the changes in 11-15/760r2 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0760-02-000m-some-initial-sb-comment-resolutions.docx>) indicated for CIDs 5867 and 5873
      3. Mark ready for motion
    1. CID 5869 (MAC)
       1. Review comment
       2. Proposed Resolution: Revised – at the cited location, Change “four” to “the”
       3. Mark ready for motion
    2. CID 5871 and 5872 (MAC)
       1. Review comment
       2. Commenter’s proposed change does not seem to clarify the issue
       3. Discussion on how to get 64 items to be described correctly.
       4. Proposed Resolution: Revised; make a change at 605.2 and 606.2 and 606.49 as follows:

“The block Ack Bitmap subfield is 8 octets in length and is used to indicate the received status of up to 64 entries, where each entry represents an MSDU or an A-MSDU”

* + - 1. Mark ready for motion
    1. CID 5881 (MAC)
       1. Reviewed comment
       2. Proposed resolution: at 1241.06 – delete “Figure”.
       3. Mark ready for motion
    2. CID 5883 (MAC)
       1. Review comment
       2. Note is possibly in wrong place.
       3. Proposed resolution: Revised; Move the note at 1285.57 to 1286.58, to follow the paragraph beginning “ A STA shall support the concurrent reception of fragments of at least three MSDUs….”

Note to editor: Same as CID 6497, possibly already resolved by the editor

* + - 1. Mark Ready for motion
    1. Youhan KIM (Qualcomm) joined the WebEx call.
    2. CID 5887, 5888, 5889, 5890, 5885, 5886 – (MAC)
       1. Review comments and proposed changes
       2. At the same general location in the draft.
       3. Proposed resolution to CID 5886 (MAC): Accepted
          1. Mark Ready for Motion
       4. Proposed resolution to CIDs 5885, 5887, 5888, 5889, 5890 (MAC): Revised: Incorporate the changes in 11-15/760r2(<https://mentor.ieee.org/802.11/dcn/15/11-15-0760-02-000m-some-initial-sb-comment-resolutions.docx>) as shown for “Proposed resolutions to CIDs 5885, 5887, 5888, 5889, 5890” and delete lines 1311.48 through 1311.55
       5. Discussion – concern on the technical change that limits the STA vs Type of PPDU transmission.
       6. Discuss the meaning of HT STA transmits PPDU vs STA transmits HT PPDU
       7. What is aPPDUMaxTime definition? See 2568.40; see 2547.42 –
          1. Concern on the breaking of a Single MAC – Single PHY, but we may be separating it based on PHY.
       8. Discussion on where the limit is applied and how to describe it in text.
       9. Two different ways to interpret the changes is causing a bit of angst in debating the solution.
       10. Question on how implementations actually implement this part?
           1. Not sure at this moment.
       11. Where is the aPPDUMaxTime get its value?
       12. Part of the disagreement is if The PHY-TXTIME.Confirm is per PPDU type.
       13. After the long debate – proposal to go with the proposed resolution and then see what the debate may be later.
       14. Mark Ready for Motion
    3. CID 5891 (MAC)
       1. Review comment and proposed changes.
       2. Disagreement on adding the “as defined in Table 21-31”
       3. Do we need a reference or a normative directive.
       4. Propose Resolution: Revised. Add to the end of the cited sentence “(see Table 21-31)”.
       5. Mark Ready for Motion
    4. CID 5893, 5136, 6449 – (MAC)
       1. Review comments
       2. Proposed Resolution 5136 and 6449: Accepted
       3. Proposed Resolution for 5893: Revised Make the paragraph at 1323L37 into bullet e) of the list that starts at line 20
       4. Mark ready for Motion
    5. CID 5894 (MAC)
       1. Review comment
       2. Review proposed change
       3. Proposed resolution: Revised – incorporate the changes 11-15/760r2 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0760-02-000m-some-initial-sb-comment-resolutions.docx>) for CID 5894.
       4. Mark Ready for Motion
    6. CID 5896 (MAC)
       1. Review Comment
       2. Review proposed changes
       3. Proposed Resolution: Revised – incorporate the changes 11-15/760r2 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0760-02-000m-some-initial-sb-comment-resolutions.docx>) for CID 5896.
       4. Mark Ready for Motion
    7. CID 5897 (MAC)
       1. Review Comment
       2. Discussion on if the SOUNDING PPDU can be in the RXVECTOR or not? The Receiver has only the RXVECTOR to work with, so it has no TXVECTOR access.
       3. Proposed Resolution: Rejected; The Receiver has only the RXVECTOR to work with, so it has no TXVECTOR access.
       4. Mark Ready for Motion
    8. CID 5898 (MAC)
       1. Review comment
       2. Proposed resolution: delete “Feedback” at the cited location.
       3. Mark Ready for Motion
    9. CID 5899, 5902 (MAC)
       1. Review comments
       2. Review context and proposed changes
       3. Discussion on the differences in HT vs VHT BSS operation
       4. The concept is to indicate that the procedures apply only to the one case.
       5. Proposed Resolution: Revised – incorporate the changes 11-15/760r2 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0760-02-000m-some-initial-sb-comment-resolutions.docx>) for CID 5899 and 5902.
       6. The Chair to send a not to validate the resolution with Youhan who has dropped from the call.
       7. Mark Ready for Motion for now.
    10. CID 5878 & 5910 (MAC)
        1. Review comments
        2. Concern of “Note 1” and why it was included. Sometimes you cannot receive the MPDU if it was larger than the RX can receive.
        3. The paragraph ahead of the note indicates that the frame is to be sent as large as the receiver’s capability.
        4. More discussion
        5. Proposed resolution of CID 5878 (MAC): Revised; At 1039.41 in the “Definition” column, first row, change as indicated below:
        6. Indicates the maximum MPDU length that the STA is capable of receiving (see 9.12 (A-MSDU operation)).
        7. Proposed Resolution for CID 5910 (MAC): Reject; paragraph starting at 1438L14 captures the transmitter capability requirement.
        8. Mark both ready for motion
    11. CID 5903 (MAC)
        1. Review comment
        2. Proposed Resolution: Accepted
        3. Discussion that there may be a requirement for a sentence citing that this clause is only for HT
        4. Leave that topic for another comment
        5. If we change the 9.34 heading there is ripple effects that may need to be addressed.
        6. Mark Ready for Motion
    12. CID 5904 (MAC)
        1. Review Comment
        2. Proposed Resolution: Revised: At 1431.53, change from “the PPDU” to “an HT PPDU”
        3. Mark Ready for Motion
    13. CID 5905 (MAC)
        1. Review comment
        2. Proposed resolution: Rejected; The “only” is already present, and “shall” implies/means “always”.
        3. Mark Ready for Motion
    14. CID 5906 (MAC)
        1. Review comment
        2. Review proposed changes
        3. Discussion on the need for the “a STA” in the sentence.
        4. Proposed Resolution: Accepted
        5. Mark Ready for Motion
    15. CID 5907 (MAC)
        1. Review Comment
        2. Proposed Resolution: Accept
    16. That completes this document – R2 will be posted shortly. – plan to motion during Friday PM1.
        1. **Action item** review – Dorothy to check with Youhan on CID 5899 and 5902 – yes or no -- ok
        2. Separate question is on the HT legacy operation.
           1. Concern expressed with proposed plan.
           2. Review the CIDs proposed text and comment again
           3. Discussion on if the comment scope allows for more extensive changes or not.
        3. **Action Item**: Mark RISON was concerned with text, he was charged with providing alternate text for consideration in the future, but for now the resolutions will be considered as agreed before.
  1. Reviewed the agenda for next sessions and added an agenda item for future logistics for discussion on Friday.
  2. **Recess** at 11:31am PT

1. **REVmc BRC at Intel Jones Farm office – Hillsboro, Oregon -18 June 2015 - PM1**
   1. **Called to order** at 1:02pm PT by Dorothy STANLEY (HP)
   2. **Review Patent Policy**
      1. No issues identified.
   3. **Attendance**: Dorothy STANLEY (HP), Adrian STEPHENS (Intel), Emily QI (Intel), Edward AU (Marvel); Jon ROSDAHL (CSR); Mark RISON (Samsung); Graham Smith (SRT Wireless);
   4. **Review Agenda**:
2. Motions
3. Comment Resolutions:
   1. 11-15-762 –(Mark RISON)
   2. Remaining: similar to 5308, Editorials objected: Discuss: 6740, 6776, 6836, 6844, Review: 5308, 5357, 6248 + all the “Style” comment groups (Adrian STEPHENS)
   3. GEN review tab in 11-15-655r2 (Jon ROSDAHL)
   4. RAC: CIDs 6896, 6897, 6898; 6877 (Jon ROSDAHL)
   5. CIDs 5190, 5191, 5192 –11-15-0761 (Stephen MCCANN)
   6. **Motions:**
      1. **Motion #131** MAC-AO tab
         1. Approve the comment resolutions in 11-15/565r6 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0565-06-000m-revmc-sb-mac-comments.xls>) “Motion MAC-AO” tab (4 comments discussed on telecons & Portland) and incorporate the indicated text changes into the draft.
         2. Moved Adrian STEPHENS 2nd: Edward AU
         3. Discussion: None
         4. Results – Y:5 N:0 A:0 Motion passes
      2. **Motion #132** Gen Comments
         1. Approve the comment resolutions in 11-15/665r2 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0665-02-000m-revmc-sb-gen-adhoc-comments.xlsx>) “Vancouver A”, “May-June Telecon”, and “Hillsboro-A” tab (comments discussed on telecons & Portland) and incorporate the indicated text changes into the draft. Except for 6506 (Vancouver A)
         2. Move Jon ROSDAHL; 2nd Edward AU
         3. Discussion: None
         4. Results: Y:6 N:0 A:0
   7. **Comment Resolutions:**
   8. **Review Doc – 11-15/0762r2** – Mark RISON (Samsung)
      1. CID 6404 (EDITOR)
         1. Review comment
         2. Review Proposed changes
         3. Minor changes to remove “involving”
         4. Proposed Resolution: Revised – Incorporate the changes shown under “Proposed Changes” for CID 6404 in 11-15/762r2 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0762-02-000m-resolutions-for-some-comments-on-11mc-d4-0-sbmc1.docx>)
         5. Mark Ready for Motion
      2. CID 6482 (MAC)
         1. Review Comment
         2. Review proposed changes
         3. Updating the text to repeat the condition to make it very explicit.
         4. Discussed the goal to not use “such”
         5. “Class to be taken to be 0us” -- > change to something else.
         6. Organize the paragraph to put the “aAirPropagation Time is 0us” as the first part of the sentence.
         7. More discussion on final format of paragraph
         8. **Action item** to go off and finalize later.
      3. R2 will be posted.
   9. **Review Editorial Discuss CIDs**
      1. CID 6517 (EDITOR)
         1. We did a straw-poll, but we want to defer until Waikoloa Wireless Interim.
      2. CID 6701 (EDITOR)
         1. Review Comment
         2. Proposed Resolution: REVISED (EDITOR\_A: 2015-05-21 02:53:36Z) Split MD15 into MD15.1 and MD15.2.
         3. Mark Ready for Motion -
      3. CID 6740 (EDITOR)
         1. Review Comment
         2. Review context – 2163 – example without “Management”
         3. Discussion on the usefulness of having “Management” added.
         4. Mode vs states is not the issue
         5. Use of “Power Mode” reviewed.
         6. Consistent terminology is the desire for the change.
         7. Discussion on the power modes
         8. Straw poll: Make the changes as indicated?
            1. Y: 3 N: 0 A:3
            2. Results –suggest make the change.
         9. Proposed Resolution: Revised: Globally change “mesh power mode” to “mesh power management mode”, preserving case as necessary.
         10. Mark ready for Motion
         11. Chair would like to have someone from the set of Mesh experts review the resolution.
      4. CID 6744 (EDITOR)
         1. Review comment
         2. Test some of the extra locations listed in the adhoc notes, they seem to not be correct.
         3. When should the hyphen be used? When not?
         4. After discussion – and verification of locations
         5. Proposed Resolution: REVISED (EDITOR: 2015-06-08 12:21:42Z) - Change space to hyphen after "Authentication" at 2036.05, 2036.06, 2038.26, 2038.27, 2039.47, 2039.49, 2039.52, 2043.37, 2043.39, 2046.11, 2046.13, 2046.16, 2046.18, 2046.22, 2047.11, 2047.13, 2047.14, 2047.16, 2047.19

Globally change "FT Authentication <x> frame" to "Authentication-<x> frame" for x = "Request", "Response", "Ack", "Confirm"

* + - 1. Mark it ready for Motion
    1. CID 6776 (EDITOR)
       1. Review context
       2. Review comment – use of “may” in clause 4
       3. Use “might” rather than “may”
       4. No objection to using “might”
       5. Proposed Resolution: REVISED (EDITOR: 2015-06-11 10:45:43Z) - At 66.19, replace first "may" with "can" and second "may" with "might".

At 93.09 replace "may" with "can"

At 94.42 replace "May" with "Might"

At 125.61 replace "may" with "can"

* + 1. CID 6836 (EDITOR)
       1. Review comment
       2. Field vs subfield discussion
       3. For “Power Management Field” to “Power Management subfield” (in clauses 8 and 11) is not a significant change.
       4. There may be other “fields” that should be called “subfields”.
       5. The number of “subfields” is lower in number
       6. Proposed Resolution: REVISED (EDITOR: 2015-06-18 21:28:07Z) - Globally change "Power Management subfield" to "Power Management field".
    2. CID 6837 (EDITOR)
       1. Review comment
       2. Edward had a resolution – This was straw-polled in Vancouver,
       3. Edward has already done the work on this one.
       4. It should have been marked ready for motion
  1. **GEN Review Comments**
     1. CID 6302 (GEN)
        1. Review comment
        2. Proposed resolution: REJECTED (GEN: 2015-06-18 21:39:27Z) The use of "at the antenna" is correctly used in the context at 2227.10 and 2281.31.
        3. Discussion on use of antenna vs antenna connector
        4. Lack of consensus on the resolution.
        5. Request for Mark RISON to put the discussion on the email reflector.
        6. Move to GEN Discuss – Mark Discus
     2. CID 6257 (GEN)
        1. Review comment
        2. Discussion on the deletion of “conforming”
        3. Compliant vs conforming may need review
        4. Better to remove “For a Conforming OFDM PHY” rather than just “Conforming”
        5. Proposed Resolution: REVISED (GEN: 2015-06-18 21:54:09Z) Change "For a conforming OFDM PHY, the" to "The" at the locations: 2367.42, 2368.6, 2552.12, 2553.23
        6. Mark Ready for motion – Hillsboro-B
     3. CID 5237 (GEN)
        1. Review comment
        2. Proposed Resolution: Accept
        3. Check that it is the most recent version.
        4. Where is the usage of “Address Resolution Protocol”
        5. Action Item: Jon to send note to Commenter for clarification.
        6. Ran to time -- Time for break
  2. **Recess** at 3:00pm PT

1. **REVmc BRC at Intel Jones Farm office – Hillsboro, Oregon -18 June 2015 – PM2**
   1. **Called to order** at 3:30pm PT by Dorothy STANLEY (HP)
   2. **Review Patent Policy**
      1. No issues identified.
   3. **Attendance**: Dorothy STANLEY (HP), Adrian STEPHENS (Intel), Emily QI (Intel), Edward AU (Marvel); Jon ROSDAHL (CSR); Mark RISON (Samsung); Dan HARKINS (HP); Youhan KIM (Qualcomm); Dick ROY(SRA);
   4. **Review Agenda**: 11-15/744r4(<https://mentor.ieee.org/802.11/dcn/15/11-15-0744-04-000m-tgmc-brc-meeting-agenda-2015-06-17-18-19.docx>)
   5. **Security CIDS Review** 11-15/763 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0763-00-000m-dnh-security-comment-spreadsheet.xls>) Dan HARKINS
      1. CID 6507 (MAC)
         1. Review Comment
         2. HMAC convention question
         3. Discussion on the reason for having the HMAC-MD5
         4. Proposed Resolution: Revised; change it to “The construction of descriptors for uses of the SHA family of hash functions…”
         5. More discussion on what format the “rules” should be in.
         6. What is HMAC-MD5? – Normative reference B26 (2640)
         7. Question on if we use IETF RFC 2104 terminology?
         8. Two opinions are colliding –
         9. The Proposed change uses “descriptors” but should be “description”.
         10. Update the Proposed Resolution: Revised; change it to “The construction of descriptions for uses of the SHA family of hash functions…”
         11. Mark Ready for Motion
      2. CID 6349 (MAC)
         1. Review Comment
         2. Question on what is used with RSN?
         3. Discussion on the MESH use of RSN and GTKSA are different.
         4. Review 1926.22 – lists of security associations by an RSNA STA.
         5. Is the “Mesh” prefix needed for the Security types to see if it is different, so merging the terms would be a lot of work.
         6. Proposed Resolution: Revised – Delete lines 13-16 on page 103.103.36 insert “Mesh GTKSA, Mesh TKSA, and Mesh PMKSA” after "(IGTKSA)"If pairwise master key security association (PMKSA) caching is not enabled, deauthentication alsoAt 103.38 change the sentence to:If pairwise master key security association (PMKSA) caching is not enabled, deauthentication also deletes the PMKSA or Mesh PMKSA.
         7. Mark Ready for Motion
      3. CID 5068 (MAC)
         1. Review comment
         2. Proposed Resolution: Rejected: when so configured, the standard mandates data confidentiality. Furthermore section 4 is not the place to enumerate specific parameters of anything.
         3. Straw Poll: Do you agree with rejecting the comment (the text is clear as stated)?
            1. Results: Y:6 N:0 A: 1
         4. Mark Ready for Motion
      4. CID 6184 (MAC)
         1. Comment Review –
         2. Review doc: 11-15/764r1 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0764-01-000m-resolution-of-some-security-comments.docx>)
         3. KDF-Hash-512 error noted
         4. Several CIDs cover the basically same thing: CIDs 6106, 6183, 6184, 6275, 6276, 6277, 6278, 6367, 6421, 6509, 6510, 6511, and 6521. Are covered in 11-15/764r1.
         5. Proposed resolution: Revised: as shown in document 11-15-11-15/0764.
         6. Objection to the presentation of the changes being done for this CID is mixed with other CIDs.
         7. 11-15/764r1 primarily addresses the KDF-Hash-Length issues.
         8. Modified Proposed Resolution: Revised: Incorporate changes inserting “Hash” to KDF definition in document 11-15/076r2 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0764-02-000m-resolution-of-some-security-comments.docx>) for section 11.6.9.2, 11.3.5.4, 11.3.4.3.2, 11.3.4.2.2.
         9. Mark Ready for Motion
         10. Concern on some editorial issues in 11-15/764r1.
             1. Question on if “length” should be italic?

Change made.

* + - * 1. “Random()” where is it defined?

Used elsewhere in this section – separate comment if thought to be in error.

* + - * 1. Request to change “using the HASH”

Disagree – no change made

* + - * 1. Editorial comments need to be dealt with later.
    1. CID 6625 (MAC)
       1. Review comment
       2. Possible Proposed Resolution: Reject: Insufficient detail to determine the specific changes to satisfy the commenter.
       3. Alternate Proposal: Mark as “submission needed” and assign the Mark RISON
       4. Assign to Mark RISON -
    2. CID 6824 (MAC)
       1. Review comment
       2. Propose to mark as “submission needed” and assign the Mark RISON
       3. What “temporal keys” are being referred to?
          1. Discussion on keys
    3. CID 6459 (MAC)
       1. Request to assign to Mark
       2. Propose to mark as “submission needed” and assign the Mark RISON
    4. CID 6398 (MAC)
       1. Review comment
       2. Proposed Resolution: Reject: WEP has been deprecated and we are not making any changes to it.
       3. Mark Ready for Motion
    5. CID 6280 (MAC)
       1. Review comment
       2. Proposed Resolution: Reject: WEP has been deprecated and we are not making any changes to it.
       3. Mark Ready for Motion
    6. CID 6367 (MAC)
       1. Review Comment
       2. The use of “Random()” Issue again.
       3. Proposed Resolution: Revised; incorporate text changes as shown in 11-15/0764r2 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0764-02-000m-resolution-of-some-security-comments.docx>) for section 11.3.4.2.2 – “new-random-number” was changed to “random()”.
       4. Mark for “REVIEW”
    7. CID 6509 (MAC)
       1. Review comment
       2. Change in 11.3.4.2.2 made
       3. Question on italic or not to italic not discussed.
       4. Proposed Resolution: Revised; incorporate text changes as shown in 11-15/0764r2(<https://mentor.ieee.org/802.11/dcn/15/11-15-0764-02-000m-resolution-of-some-security-comments.docx>) for section 11.3.4.2.2.
       5. More discussion
       6. Mark CID for “REVIEW”
    8. CID 6345 (MAC)
       1. Review comment
       2. Extra open parenthesis needs to be deleted
       3. Proposed Resolution: Revised; Remove first open parenthesis.
       4. Mark Ready for Motion
    9. CID 6510 (MAC)
       1. Review comment
       2. Similar to previous comment, but on different section.
       3. 11.3.4.3.2
       4. Proposed Resolution: Revised; incorporate text changes as shown in 11-15/0764r2 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0764-02-000m-resolution-of-some-security-comments.docx>) for section 11.3.4.3.2.
       5. Not ready for motion – more discussion requested.
       6. Mark FOR “REVIEW”
    10. CID 6285 (MAC)
        1. Review comment
        2. Review context
        3. Proposed Resolution: Accept
        4. Mark Ready for Motion
  1. **Review Agenda** for tomorrow – 11-15/744r4:
     1. Fri AM1 – Comment resolution

1. Location CIDs 11-15-766 – Carlos Aldana
2. CIDs 5190, 5191, 5192 -Stephen McCann, see 11-15-0761
3. GEN review tab
4. Additional Editorials needing input
5. RAC: CIDs 6896, 6897, 6898; 6877  
   * 1. Fri PM1 – Motions, Comment resolution:
        + 1. Proposed Motion : Approve the comment resolutions in 11-15-0532r7 “Motion Ed Vancouver”, “Motion Ed Telecon”, “Motion Ed Hillsboro A” and “Motion Ed Hillsboro B” tabs and incorporate the indicated text changes into the draft, except for 6506 (Vancouver A).
          2. Motions on Thursday CIDs
          3. Motion Ed Hillsboro A
          4. Comment Resolution on Any available CIDs
          5. AOB

Logistics – next meetings, including August face to face week of August 17th; location: Cambridge, Piscataway NJ, Bay area

Security will be topic on the next REVmc Telecon on June 26th.

* + - 1. Note: Jon and Mark, both indicated that they would not be on the call on the 26th June.
  1. **Recess** at 5:04pm PT

1. **REVmc BRC at Intel Jones Farm office – Hillsboro, Oregon -19 June 2015 - AM1**
   1. **Called to order** at 9:00am PT by Dorothy STANLEY (HP)
   2. **Review Patent Policy**
      1. No issues identified.
   3. **Attendance**: Dorothy STANLEY (HP), Adrian STEPHENS (Intel), Emily QI (Intel), Edward AU (Marvel); Jon ROSDAHL (CSR);
      1. For part of the time: Ganesh Venkatesan (Intel); Carlos Aldana (Qualcomm); Graham Smith (SRT Wireless); Stephen MCCAAN (BlackBerry); Mark Rison (Samsung);
   4. **Review Agenda**:

Fri AM1 – Comment resolution

1. Location CIDs 11-15/766, 11-15/687 & 11-15/719– Carlos Aldana
2. CIDs 5190, 5191, 5192 -Stephen McCann, see 11-15-0761
3. GEN review tab
4. Additional Editorials needing input
5. RAC: CIDs 6896, 6897, 6898; 6877
   * 1. Added documents to Agenda plan for Location CID discussion
     2. Agenda – approved without objection
   1. **Location CIDs** – Carlos ALDANA (Qualcomm)
      1. Review Document 11-15/766r0
         1. This document contains the proposed resolutions to CIDs 5049, 5179, 5185, 5188, 6244, 6283, 6312, 6313, 6316, 6330, 6354, and 6356.
         2. CID 5179, 5185, 6283 (MAC)
            1. Review comments
            2. Proposed resolution for all 3 CIDs: Revised; incorporate the changes in doc 11-15/766r1 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0766-01-000m-sb-location-related-comment-resolutions.docx>) in the section “CIDs 5179, 5185, and 6283.”
            3. No objection – Mark Ready for Motion
         3. CID 5188 (MAC)
            1. Review comment
            2. Proposed resolution: Rejected: Robust frames do not solve the privacy problem. Any changes made to FTM should address both privacy and security.
            3. No objection – Mark Ready for Motion
         4. CID 6244 (MAC)
            1. Review comment
            2. MCS32 is HT-duplicate format
            3. Proposed resolution: Revised; Add "MCS 32 in HT-mixed format," before "or HT-greenfield format" at 1740.35
            4. No objection – Mark Ready for Motion
         5. CID 6316 (MAC)
            1. Review Comment
            2. Proposed Resolution: make the following change in Section 10.24.6.4: Change "without correcting the clock offset" to “without applying any correction factor associated with the symbol clock frequency offset between the initiating STA and the responding STA”.
            3. No objection – Mark Ready for motion
         6. CID 5049 (MAC)
            1. Review comment
            2. Proposed Resolution: Revised: add the following 2 definitions to Section 3.1 (Definitions):

“RF chain: A receive chain or a transmit chain.”

“transmit chain: The physical entity that implements any necessary signal processing to generate the transmit signal from the digital baseband. Such signal processing includes digital to analog conversion, filtering, amplification and up-conversion.”

* + - * 1. No objection - Mark Ready for Motion
      1. CID 6330 (MAC)
         1. Review Comment
         2. Proposed Resolution: Accepted
         3. No objection - Mark Ready for Motion
      2. CID 6312 & 6313 (MAC)
         1. Review comment
         2. Proposed Resolution for CID 6312: Rejected; Timing Measurement protocol targets applications that require time synchronization (and not location). Parameters that are negotiated between two peers executing the Timing Measurement protocol are defined in IEEE 802.1AS and used by IEEE 802.1AS to throttle when and how often the Timing Measurement action frames are exchanged between the peers. Addition of the technical improvements made to Fine Timing Measurement (FTM) to the Timing Measurement protocol would duplicate much of what is already part of IEEE 802.1AS. In addition, IEEE 802.1AS executes over 802.1, EPoN, MoCA and 802.11. So, duplicating parts of IEEE 802.1AS in IEEE 802.11 in order to bring it being on par with FTM would be wasteful.
         3. No objection- Mark Ready for Motion
         4. Proposed Resolution for CID 6313: Rejected; It is not clear what specific editorial changes are referred to here. Most editorial changes to FTM were related to the Fine Timing Measurement protocol and do not apply to Timing Measurement.
         5. No objection- Mark Ready for Motion
      3. CID 6354 (MAC)
         1. Review comment
         2. Proposed Resolution: Revised; incorporate the changes in doc 11-15/766r1(<https://mentor.ieee.org/802.11/dcn/15/11-15-0766-01-000m-sb-location-related-comment-resolutions.docx>) in the section “CIDs 6354.”
         3. No objection – Mark Ready for motion
      4. CID 6356 (MAC)
         1. Review comment
         2. Proposed Resolution: Rejected;the present language in the spec of “should” is sufficient to account for both ASAP=0 and ASAP=1 cases. If the initiating STA does not like the choice made by the responding STA, the initiating STA can send an FTM Request frame with the value of the Trigger field set to 0 to end the FTM session.
    1. **Review doc 11-15/687r1** Carlos Aldana (Qualcomm)
       1. CID 5183, 6778 (EDITOR)
          1. Review comment
          2. Review changes to diagram
          3. Figure is in Visio – ready for incorporating into the draft
          4. Proposed Resolution: Revised; Incorporate the changes in doc 11-687r1 (<https://mentor.ieee.org/802.11/dcn/15/11-15-0687-01-000m-cids-5183-6778-resolution.docx>)
          5. No objection – Mark Ready for Motion
    2. **Review Document 11-15/719r0** - Carlos Aldana (Qualcomm)
       1. CID 5174 & 5184 (MAC)
          1. Review Comment
          2. While resolving the CID a sentence in section 8.4.2.36 was found in the wrong paragraph, move sentence to the correct paragraph
          3. Proposed Resolution: Revised; Incorporate the changes in doc 11-15/719r0 (https://mentor.ieee.org/802.11/dcn/15/11-15-0719-00-000m-cid-5174-and-5184-resolution.docx)
          4. No objection – Mark Ready for Motion
    3. The approval motion for the location motions are expected for next week’s telecon.
    4. CID 5223 (MAC)
       1. Review comment
       2. Proposed Resolution: 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.Separately, the information in this comment is taken as a notification to the WG chair of the holder of a potential LOA.
       3. No objection – Mark Ready for Motion
    5. Location CID status – about 5 more CIDs that should be ready by the Plenary in July. –
       1. Expect to schedule time on Wednesday PM1 for a set time for Location topic CIDs.
    6. Note that 11-15/12 was motioned yesterday and it is completed.
  1. Short Recess – 10 minutes –
     1. Stephen MCCANN (BlackBerry) joined the WebEx call
     2. Carlos Aldana (Qualcomm) left the WebEx Call
  2. **Review doc: 11-15-0761r0** -Stephen MCCANN (BlackBerry Ltd).
     1. CIDs 5190, 5191, 5192 (MAC) are covered by this document
     2. Concern pointed out that the values put into table 8-257 have already been assigned by the ANA. Change to put <ANA> in the submission and request values from ANA and allow to be put in later.
     3. An R1 will be created
     4. Move on to Frame Format section
     5. Graham Smith (SRT Wireless) joined the WebEx call.
     6. Change the word “variable” to “1 or more” in the figure.
     7. Change the description of the “duple” to Tuple – “Venue URL Tuples”
     8. Note that there is a “Venue Name Duple” not to be confused with Venue URL Tuple” – This caused us to decide to swap back to using “Duple” in all the places we changed to “Tuple” as no one was concerned with the use of “Duple” in the SB comments.
     9. For Figure 8-607d update the description to be similar to what was done for Figure 8-607c.
     10. We should not include what is not “unspecified”, but leave it as reserved.
     11. Ganesh VENKATESAN (Intel) left the WebEx call
     12. The sentence about using dual protected action frames was misplaced in clause 8, so in looking in clause 10 we found a similar sentence already there, and edited it to match the discussion.
     13. Similar fixes applied to Local Content ANQP element clause
     14. Table 8-260b needed to add a reserved row
     15. Change Transmit to provide as it is better verbiage.
     16. Discussion on Local Content ANQP and Advice of Charge ANQP resulted in minor edits to the proposed text.
     17. Mark Rison (Samsung) has joined the WebEx call
     18. More discussion/editing on the Local Content ANQP
     19. Discussion on Advice of Charge ANQP – and some more changes were made
     20. An R1 will need to be uploaded to Mentor
     21. In the abstract of R1, a request to enumerate the CIDs covered – “CID 5190, 5191 and 5192”
     22. Then the proposed resolution for the three CIDs would be:
     23. Proposed resolution for CIDs 5190, 5191 and 5192: Revised incorporate the text changes in 11-15/761r1.
     24. No objection - Mark Ready for motion
     25. Stephen MCCANN (BlackBerry) left the WebEx call
  3. **GEN Review CIDS**:
     1. CID 5690
        1. Reviewed the comment
        2. Ganesh VENKATESAN (Intel) joined the F2F room
        3. There was discussion on the possible wording, but no consensus was found, because we are at time for Lunch, it was put off to continue.
  4. After lunch, we will have only one motion for the Editorial CIDs.
     1. See 11-15/744r6.
  5. **Recess** at 11:32am PT until 1pm PT

1. **REVmc BRC Friday 19 June 2015 – PM1**
   1. **Called to order** at 1:00pm PT by Dorothy STANLEY (HP).
   2. **Attendance**: Dorothy STANLEY (HP), Adrian STEPHENS (Intel), Edward AU (Marvel); Jon ROSDAHL (CSR); Emily QI (Intel); Mark RISON (Samsung); Graham SMITH (SRT Wireless); Youhan KIM (Qualcomm);
      1. Joined for part of the call: Carlos ALDANA (Qualcomm);
   3. **Review Patent Policy**
      1. No issues noted
   4. **Review Agenda:**

Fri PM1 – Motions, Comment resolution:

* 1. Proposed Motion: Approve the comment resolutions in 11-15-0532r7 “Motion Ed Vancouver”, “Motion Ed Telecon”, “Motion Ed Hillsboro A” and “Motion Ed Hillsboro B” tabs and incorporate the indicated text changes into the draft.
     + 1. Moved:
       2. Seconded:
       3. Result:
  2. GEN review Tab 11-15/665r2 – Jon ROSDAHL
  3. Additional Editorials needing input
  4. 11-15/762 – Mark RISON
  5. RAC: CIDs 6896, 6897, 6898; 6877
  6. AOB
     1. Logistics – next meetings, including August face to face week of August 17th; location: Cambridge, Piscataway NJ, Bay area
     2. No additions or changes – approved without objection
  7. **Motion #133**: Editorial 4 Tabs

Approve the comment resolutions in 11-15-0532r7 “Motion Ed Vancouver”, “Motion Ed Telecon”, “Motion Ed Hillsboro A” and “Motion Ed Hillsboro B” tabs and incorporate the indicated text changes into the draft.

* + 1. Moved: Adrian STEPHENS 2nd: Edward AU
    2. Discussion:
       1. Question on CID 5300 about Basic Request - ?
          1. This was discussed before. –
          2. Ok no more issue
    3. Result: Y:6 N:0 A:1 -- **Motion passes**
  1. **GEN Review Tab** - 11-15/665r2 – Jon ROSDAHL
     1. CID 5960 (GEN)
        1. Review changes gained over the lunch period
        2. Proposed Resolution: REVISED (GEN: 2015-06-19 20:26:20Z) - at 1761.50 change "For each group addressed stream requested by a mesh STA, the peer mesh STA shall immediately initiate a block ack negotiation if both the mesh STAs advertised a Mesh GCR field equal to 1 in their Extended Capabilities element in their most recently received mesh Beacon frame."

to

"For each group addressed stream requested by a mesh STA's peer (STA1), the mesh STA (STA2) receiving the request shall immediately initiate a block ack negotiation if STA2 transmitted a Mesh GCR field equal to 1 in the Extended Capabilities element in its mesh Beacon frame and STA2 received a mesh Beacon frame from STA1 in which the Mesh GCR field in the Extended Capabilities element is equal to 1."

* + - 1. No objection – Mark Ready for Motion – Hillsboro-B
    1. CID 6595 (GEN)
       1. Review Comment
       2. Another CID has a resolution that removes some sub element description that is repeated, but still has same statement that the element and the sub-element.
       3. After discussion on several locations that Mark RISON pointed out a concern of repeating words “have the same format”, (31 instances).
       4. Mark CID “Submission Required” and assign to Mark RISON.
       5. CID 6707 (EDITOR) – which has a proposed resolution in 11-15/758. For discussion after we finish the Gen Review CIDs.
    2. CID 6385 (GEN)
       1. Remember we had discussed this earlier this week.
       2. From the AdHoc Notes:
          1. GEN: 2015-06-19 18:55:30Z - The TX description explicitly states that an interface is needed (see 16.4.5.10 Transmit modulation accuracy),

RX is a bit more ambiguous (see 16.4.6.2 Receiver minimum input level sensitivity and 17.3.7.9 Transmit modulation accuracy), but some of the RX tests imply an interface and the PLME SAP says that you can request either.

* + - * 1. GEN: 2015-06-17 - Updated Proposed Resolution - there is still an outstanding Question on the removal of two primitives: “6.5.5 PLME-DSSSTESTMODE.request and “6.5.6 DSSSTESTOUTPUT.request”.
      1. Proposed Resolution: REVISED (GEN: 2015-06-19 20:45:05Z) - Replace "DS PHY" with "DSSS PHY" at 2187.29, 2187.31, 2187.37, and 2197.06.

Replace "DS PHY" with "HR/DSSS PHY" at 2214.17 and 2214.20.

At 537.61 delete "for testing DS PHY"

* + - 1. StrawPoll – Support the Proposed Resolution:
         1. Result: Y: 6 N: 1 A: 0
      2. Proceed with the proposed resolution:
      3. Mark Ready for Motion – Hillsboro-B
    1. Question on 5690 (GEN)
       1. Is it tied to CID 6432?
       2. Does not seem to be – delete reference from AdHoc Notes.
  1. **Review 11-15/758r0**
     1. CID 6707 (EDITOR)
        1. Review Comment
        2. There is a lot of cut-n-paste “boilerplate” that is repeated, so we may be able to make a single statement in the generic section and then avoid repeating it.
        3. Review Proposed Changes to make generic
        4. There is another CID (6584) that had a bit different wording. To make consistent, a change was made in 11-15/758r0 to match
        5. Question on why we continue to have variants of the wording?
           1. There is still a bit of semantic differences in that some need a specific wording. And in other places a different wording is required.
        6. Minor edits on capitalization
        7. Discussion on the use of ”Typically” or the non-use of it.
        8. Proposed Resolution: Revised; incorporate changes in 11-15/758r1(<https://mentor.ieee.org/802.11/dcn/15/11-15-0758-01-000m-sb0-stephens-resolutions-part-1.doc>)
        9. Mark Ready for Motion -
  2. **Editor Discuss CIDs**
     1. CIDs related to style of equations
        1. Let’s skip that topic for now
     2. CID 5311 (EDITOR)
        1. Need to propose a resolution that is in line with CID 6707.
     3. CID 6707 (EDITOR)
        1. Another question on the way that the resolution was presented
        2. We will continue, and let the Editor do the work – question is if the Commenter can understand what is being planned?
           1. Editor understands what change to make.
     4. CID 6863 (EDITOR)
        1. Review Comment
        2. Review of 2014 IEEE-SA Style guide – many of our equations do not follow exactly the format described.
        3. Short discussion until Adrian’s Machine quit cooperating.
        4. Propose that a reject reason for this CID
        5. On the Units part, this is easy to point out not needed.
        6. Regarding the Equations, we could simplify them, but that is not what this CID is about.
        7. The Direction is to reject and point out where the unit is specified.
  3. Carlos ALDANA (Qualcomm) joined the call.
  4. **Review 11-15/762r3** – Mark RISON (Samsung)
     1. R2 is on mentor, R3 is the resultant from today’s discussion.
     2. CID 6482 (MAC)
        1. Review comment
        2. Review proposed changes.
        3. Discussion on the changes for AirPropogation
        4. More changes will be needed, so will go work on this more.
     3. CID 6308 (GEN)
        1. Review Comment
        2. Proposed Resolution: Revised; at 3336.9, Delete “where they differ from the values in PHY clauses”
        3. No objection – Mark Ready for Motion – Hillsboro-B
     4. CID 6625 (MAC)
        1. Review Comment
        2. Proposed Resolution: Revised: Add at 3.35 “!x is the Boolean NOT.”, where the x is italic.
        3. No objection – Mark Ready for Motion
     5. CID 6824 (MAC)
        1. Review Comment
        2. 33 hits for “temporal keys” and 154 for “temporal key”
        3. One temporal key for a single TK
        4. PTK is a concatenation of stuff
        5. Review of proposed changes and the context of some of the changes.
        6. Discussion on the difference of “, which” vs “that”.
           1. The change proposed will revert back to “, which”
        7. Request for group to review and provide feedback to Mark RISON.
        8. End of time and time to move to final agenda item.
  5. **AOB**
     1. Next Telecon is June 26th at 10am ET
        1. Motions on CIDs to date – including Sigurd’s CIDs, Location, GEN and Editorial CIDs
     2. Logistics – next meetings,
        1. August face to face week of August 17th; location: Cambridge, Piscataway NJ, Bay area
        2. Strawpoll:
           1. Cambridge - 1111=4
           2. Piscataway – 111.5 = 3.5
           3. Bay Area - - 111 = 3
           4. Not attend – 11 =2
           5. Results – slight preference for Cambridge
           6. Discussion on location
           7. Look for Wed-Friday

**Action Item**: Jon to look for Cambridge and NJ

* + 1. Question on CID 6740
       1. A request to Guido has not had a response.
  1. **THANKS TO INTEL** for Sponsoring the meeting this week
     1. Quality sound and food was great.
  2. **Adjourn** at 3:02pm ET

**References:**

**Wednesday:**

<https://mentor.ieee.org/802.11/dcn/15/11-15-0744-02-000m-tgmc-brc-meeting-agenda-2015-06-17-18-19.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0744-03-000m-tgmc-brc-meeting-agenda-2015-06-17-18-19.docx>

<https://mentor.ieee.org/802.11/dcn/13/11-13-0095-22-000m-editor-reports.ppt>

<https://mentor.ieee.org/802.11/dcn/14/11-14-0935-02-000m-miscellaneous-802-11mc-d3-0-issues.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0739-01-000m-revmc-brc-telecon-minutes-may-june.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0758-01-000m-sb0-stephens-resolutions-part-1.doc>

<https://mentor.ieee.org/802.11/dcn/14/11-14-0935-01-000m-miscellaneous-802-11mc-d3-0-issues.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0565-04-000m-revmc-sb-mac-comments.xls>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0012-04-000m-location-capability-indication.doc>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0762-00-000m-resolutions-for-some-comments-on-11mc-d4-0-sbmc1.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0762-01-000m-resolutions-for-some-comments-on-11mc-d4-0-sbmc1.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0762-02-000m-resolutions-for-some-comments-on-11mc-d4-0-sbmc1.docx>

**Thursday:**

<https://mentor.ieee.org/802.11/dcn/15/11-15-0565-04-000m-revmc-sb-mac-comments.xls>

https://mentor.ieee.org/802.11/dcn/15/11-15-0565-05-000m-revmc-sb-mac-comments.xls

<https://mentor.ieee.org/802.11/dcn/15/11-15-0760-01-000m-some-initial-sb-comment-resolutions.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0760-02-000m-some-initial-sb-comment-resolutions.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0565-06-000m-revmc-sb-mac-comments.xls>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0665-02-000m-revmc-sb-gen-adhoc-comments.xlsx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0762-02-000m-resolutions-for-some-comments-on-11mc-d4-0-sbmc1.docx>

https://mentor.ieee.org/802.11/dcn/15/11-15-0744-04-000m-tgmc-brc-meeting-agenda-2015-06-17-18-19.docx

<https://mentor.ieee.org/802.11/dcn/15/11-15-0764-01-000m-resolution-of-some-security-comments.docx>

https://mentor.ieee.org/802.11/dcn/15/11-15-0764-02-000m-resolution-of-some-security-comments.docx.

**Friday:**

<https://mentor.ieee.org/802.11/dcn/15/11-15-0744-05-000m-tgmc-brc-meeting-agenda-2015-06-17-18-19.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0766-00-000m-sb-location-related-comment-resolutions.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0766-01-000m-sb-location-related-comment-resolutions.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0687-01-000m-cids-5183-6778-resolution.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0719-00-000m-cid-5174-and-5184-resolution.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0761-01-000m-anqp-update-for-venue-advice-of-charge-and-local-content.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0761-02-000m-anqp-update-for-venue-advice-of-charge-and-local-content.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0744-06-000m-tgmc-brc-meeting-agenda-2015-06-17-18-19.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0532-07-000m-revmc-sponsor-ballot-comments.xls>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0665-02-000m-revmc-sb-gen-adhoc-comments.xlsx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0762-02-000m-resolutions-for-some-comments-on-11mc-d4-0-sbmc1.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0762-03-000m-resolutions-for-some-comments-on-11mc-d4-0-sbmc1.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0758-00-000m-sb0-stephens-resolutions-part-1.doc>

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