IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| REVmc BRC Minutes - Sept-Oct 2015 | | | | |
| Date: 2015-09-25 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Jon Rosdahl | CSR Technologies Inc. A Qualcomm Company | 10871 N 5750 W  Highland, UT 84003 | +1 801 492 4023 | jrosdahl@ieee.org |
|  |  |  |  |  |

Abstract

R0: 2015-09-25 teleconference Minutes

Comment Resolution Plan:

**Sept 25:**  
11-15-1018, 11-15-1019 - Stephen McCann CIDs 6759, 6760, 6763, 5395, 6355 (25 mins)  
11-15-1037 - Graham Smith CIDs 5495, 6209, 6210, 6779, 5198 (25 mins)  
11-15-0762 - Mark Rison CIDs 6375, 6376, 6377 (10 mins)  
Mark Hamilton CIDs (45 mins) see 11-15-0532-17 and 11-15-0565r18 –6813,  6784,  6658,  6118,  6119,  6131,  5161,  6090,  5257,  6084,  6301,  5398,  5060,  6060,  6407, 6503,  5034,  5032,  5033,  5414,  6453,  5095,  5421,  5422,  5423,  6499,  5110,  6429,  5079,  5080, 5131,  5137,  5957,  6448,  5076,  5542,  5566,  5571,  5573,  5584,  5585,  5590,  5596,  5620,  5621,  5622,  5625,  5628,  5631,  6062,  5100,  6063,  6064,  5700.  
**Oct 2:**  
11-15-1010 - Adrian Stephens   
11-15-0762 - Mark Rison  
11-15-1090 - Sigurd Schelstraete

**Oct 9:**  
11-15-1010 - Adrian Stephens  
11-15-1180 - Emily Qi

**Oct 14-16 Cambridge (teleconference will also be available):**

11-15-1183 - Neighbor Reports, Extended Capabilities and RM Enabled Capabilities - Ganesh Venkatesan   
11-15-1010 - Adrian Stephens   
11-15-0762 - Mark Rison  
Additional CIDs as available

**Dial-in information:**

TGmc BRC teleconferences Sept 25, Oct 2, 9

Every Friday, from Fri, Sep 25, 2015 to Fri, Oct 9, 2015, 7:00 am | 2 hr

When it’s time, join the meeting from here:

<https://meetings.webex.com/collabs/meetings/join?uuid=M2460NWQJOXZN4JWJY45NTG50S-4O2>

Meeting number: 194 030 720

 Audio Connection

[+1-415-655-0001](tel:%2B1-415-655-0001) US TOLL, Access code: 194 030 720

------------------------------------------------------------------------

**General Draft agenda for the Telecons:**

1. Call to order, patent policy, attendance

2. Editor report

3. Comment resolution

**Sept 25:**

11-15-1018, 11-15-1019 - Stephen McCann CIDs 6759, 6760, 6763, 5395, 6355 (25 mins)  
11-15-1037 - Graham Smith CIDs 5495, 6209, 6210, 6779, 5198 (25 mins)  
11-15-0762 - Mark Rison CIDs 6375, 6376, 6377 (10 mins)  
Mark Hamilton CIDs (45 mins) see 11-15-0532-17 and 11-15-0565r18 –6813,  6784,  6658,  6118,  6119,  6131,  5161,  6090,  5257,  6084,  6301,  5398,  5060,  6060,  6407,  6503,  5034,  5032,  5033,  5414,  6453,  5095,  5421,  5422,  5423,  6499,  5110,  6429,  5079,  5080,  5131,  5137,  5957,  6448,  5076,  5542,  5566,  5571,  5573,  5584,  5585,  5590,  5596,  5620,  5621,  5622,  5625,  5628,  5631,  6062,  5100,  6063,  6064,  5700.

**Oct 2:.**

11-15-1010 - Adrian Stephens   
11-15-0762 - Mark Rison  
11-15-1090 - Sigurd Schelstraete

**Oct 9:**

11-15-1010 - Adrian Stephens  
11-15-1180 - Emily Qi

**Oct 14-16 Cambridge (teleconference will also be available):**

11-15-1183 - Neighbor Reports, Extended Capabilities and RM Enabled Capabilities - Ganesh Venkatesan   
11-15-1010 - Adrian Stephens   
11-15-0762 - Mark Rison  
Additional CIDs as available

4. AOB

5. Adjourn

Note that teleconferences are subject to IEEE policies and procedures, see:

–        [IEEE Patent Policy](http://standards.ieee.org/board/pat/pat-slideset.ppt) –        [Patent FAQ](http://standards.ieee.org/board/pat/faq.pdf) –        [Letter of Assurance Form](http://standards.ieee.org/board/pat/loa.pdf)

–        [Affiliation FAQ](http://standards.ieee.org/faqs/affiliationFAQ.html) –        [Anti-Trust FAQ](http://standards.ieee.org/resources/antitrust-guidelines.pdf) –        [Ethics](http://www.ieee.org/portal/cms_docs/about/CoE_poster.pdf)

–        [802 LMSC P&P](http://standards.ieee.org/board/aud/LMSC.pdf) –        [802LMSC OM](http://grouper.ieee.org/groups/802/PNP/approved/IEEE_802_OM_v16.pdf)

1. REVmc BRC Telecon Mintues 25 Sept 2015 10am ET
   1. Called to order by Dorothy Stanley at 10:05am
   2. Reviewed Patent policy
   3. Attendance: Dorothy , Graham, Jon, Mark Hamilton, Mark Rison, Stephen McCann, Adrian
   4. Review Agenda:

1. Call to order, patent policy, and attendance

2. Editor report

3. Comment resolution

**Sept 25:**  
11-15-1018, 11-15-1019 - Stephen McCann CIDs 6759, 6760, 6763, 5395, 6355 (25 mins)  
11-15-1037 - Graham Smith CIDs 5495, 6209, 6210, 6779, 5198 (25 mins)  
11-15-0762 - Mark Rison CIDs 6375, 6376, 6377 (10 mins)  
Mark Hamilton CIDs (45 mins) see 11-15-0532-17 and 11-15-0565r18 –6813,  6784,  6658,  6118,  6119,  6131,  5161,  6090,  5257,  6084,  6301,  5398,  5060,  6060,  6407,  6503,  5034,  5032,  5033,  5414,  6453,  5095,  5421,  5422,  5423,  6499,  5110,  6429,  5079,  5080,  5131,  5137,  5957,  6448,  5076,  5542,  5566,  5571,  5573,  5584,  5585,  5590,  5596,  5620,  5621,  5622,  5625,  5628,  5631,  6062,  5100,  6063,  6064,  5700.

**4.** AOB

**5.** Adjourn

* + 1. No objection to the proposed agenda
  1. Editors Report
     1. No Editors online, skip for now
  2. Review 11-15/1018r2 Stephen MCCANN
     1. CID 6759 (GEN)
        1. Review Comment
        2. Review proposed change
        3. Proposed Resolution: REVISED (GEN: 2015-09-25 14:24:22Z): Incorporate the changes in 11-15/1018r3 for CID 6759
        4. No objection – Mark Ready for Motion
     2. CID 6760 (GEN)
        1. Review Comment
        2. Review Discussion
        3. Proposed Resolution: Reject. The format of the NAI Realm is clearly defined in clause 8.4.5.10 being either IETF RFC 4282 or UTF-8. Regarding “strings” it is not possible to state whether they are all NUL-terminated (sic) or not, as they have differing definitions within the document, e.g. the Language Code field (1066.48) may be a null terminated string, whereas the Certificate ID field (924.36) is not.
        4. Discussion on the encoding for ISO string definition
        5. Discussion on Certificate ID field possibly being encrypted.
        6. Discussion on Null character (abbreviated NUL) as a control character.
        7. ACTION ITEM #1: Stephen to check with Jouni and verify that UTF-8 Strings do not have issues with Null Terminated definition.
        8. Suggest removal of the Language Code field as it is not a string.
     3. CID 6763 (GEN)
        1. Review comment
        2. Review discussion
        3. Proposed Resolution: Revised: Please see clause 8.4.5.16 which states that the Emergency Alert URI field is formatted in accordance with IETF RFC 3986. This field name is used erroneously in clause 10.25.7 and is required to be changed.
        4. Review proposed change- Delete “Server” from the name Emergency Alert Serve
        5. Discussion on IEFT RFC 3986 – does it state case sensitivity? Do we need to specify more than what is in RFC?
        6. Discussion on do we need to add more definition
        7. ACTION ITEM #2: Mark RISON – to research the HTTP rule for case sensitivity.
  3. Review 11-15/1019r0 Stephen MCCANN
     1. CID 5395 (MAC)
        1. Review comment
        2. Proposed Resolution: Reject. The use of the term ANQP-element has nothing to do with its “longer ID”. The commenter needs to explain the use of the term ‘longer’ in more detail. In other words, longer than what? Indeed this format is also used for RLQP in clause 8.4.5
        3. Discussion on the association of this element with an information element
        4. A Pointer to the new Extended Element definition addresses the comment more directly.
        5. Updated Proposed resolution in 11-15/1019r1: REJECTED (MAC: 2015-09-25 14:51:01Z): The use of the term ANQP-element has nothing to do with a "longer ID". See clause 8.4.2.1 for the definition of the Element ID Extension field.
     2. CID 6355 (MAC)
        1. Review Comment
        2. Proposed Resolution: Accept
        3. Discussion on the use of Access Category
        4. Would Mike MONTEMURRO or Brian HART have some input on this?
        5. Mapping in RFC 4594 includes CS2 and AF1 mappings and some suggestions.
        6. These may be only recommendations – more research will be needed.
        7. RFC 7561 - Mapping QoS procedures in Wireless LAN – maps AF11 to AC\_BE.
        8. RFC 4594 – maps AF11 to AC\_BE as well.
        9. Change AF1x for AC to AC\_Bk
        10. Which is consistent with RFC4594, but not necessarily definitive.
        11. Updated Resolution: REVISED (MAC: 2015-09-25 15:07:22Z): Change CS2 to User Priority 3, and change AF1x to Access Category value to AC\_BK
        12. No objection – Mark ready for motion
  4. Review 11-15-1037r2 - Graham Smith CIDs 5495, 6209, 6210, 6779, 5198 (25 mins)
     1. CID 5198 (MAC)
        1. Open Action item for Graham to contact Commenter
        2. 7 criteria implies more than covered here
           1. Is the awake period covered by the 7 criteria? Confer with Commenter
        3. More review needed.
     2. CID 5495 (MAC)
        1. Review comment
        2. Review Discussion
        3. Proposed Resolution: REJECT; It is clear from the context that the ProbeDelay referred to is in the MLME-SCAN.request primitive in that the introduction to bullet says “Upon receipt of the MLME-SCAN.request primitive …”
        4. Discussion on how ProbeDelay is set and defined by different interests groups.
        5. Other comments similarly should be addressed.
           1. CID 5501, 5621 are similar comments
           2. The proposed resolution could be the same for these.
           3. CID 5501 was assigned to Emily QI, and 5621 was assigned to Mark HAMILTON
        6. Proceed with the rejection on this CID, and take the others later.
        7. No objection – Mark Ready for motion
     3. CID 6209 (MAC)
     4. Review comment
     5. Review Discussion
     6. Proposed Resolution: REVISED

At P 1540 L23

Replace

“f) If aPHY-CCA.indication (BUSY) primitive is received before the timer reaches MinChannelTime, wait until the timer reaches MaxChannelTime and then process all received probe responses; otherwise, when the timer reaches MinChannelTime, proceed to step f).

g) Set the NAV to 0 and scan the next channel.”

WITH

f) If a PHY-CCA.indication (BUSY) primitive is not received before the timer reaches MinChannelTime, proceed to step h).

g) Wait until the timer reaches MaxChannelTime and process all received probe responses.

h) Set the NAV to 0 and scan the next channel.”

* + 1. No Objection – Mark Ready for Motion
    2. CID 6210 (MAC)
       1. Review comment
       2. Review discussion
       3. Proposed Resolution: REJECT: A non-AP STA is capable of measuring the relative drift between the clocks and to be able to accurately measure TBTT relative to the AP clock. Even if the AP advertised its accuracy, the non-AP STA would still be better to actually measure the relative drift.
       4. Discussion on proposed resolution: none
       5. One objection –
       6. Discussion of an alternative
       7. Alternative Proposed Resolution: REJECTED (MAC: 2015-09-25 15:32:17Z): 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.
       8. Mark Ready for Motion
    3. CID 6779
       1. Not ready for today.
    4. End of time – will post R3
  1. Review Document: 11-15-0762r9 - Mark Rison CIDs 6375, 6376, 6377 (10 mins)
     1. CID 6375 (MAC), 6376 (Editor), 6377 (MAC)
        1. Review proposed changes
        2. Note duplication to be removed.
        3. Remove the highlighted yellow questions for now, and maybe have question in subsequent letter ballot.
           1. Will move some of them to a discussion box, but will remove from text to avoid confusion for editors
        4. Proposed Resolution for 6375 and 6377: REVISED (MAC: 2015-09-25 15:45:58Z): Make the changes shown for the CIDs 6375, 6376, 6377 in 11-15/762r10.
        5. Proposed Resolution for 6376: Revised; Make the changes shown for the CIDs 6375, 6376, 6377 in 11-15/762r10.
        6. No objection – Mark Ready for Motion
  2. Review MAC CIDS
     1. CID 5621(MAC)
        1. Review comment
        2. Similar to CID 6596
        3. In this case, a Start is needed not a Join
        4. Discussion on “N/A” – is it not applicable or could it be “not agreed”?
        5. Discussion on the need to say “the most recent” in the proposed change.
        6. Proposed resolution: REVISED (MAC: 2015-09-25 15:55:44Z): Replace "until a period of time equal to the ProbeDelay has transpired" with "until a period of time indicated by the ProbeDelay parameter from the most recent MLME-START.request primitive has transpired"
        7. No objection – Mark ready for motion
     2. At time – continue on next call
  3. Adjourned 12:02pm

**References:**

Sept 25:

<https://mentor.ieee.org/802.11/dcn/15/11-15-1018-02-000m-some-gen-comment-resolutions.doc>

<https://mentor.ieee.org/802.11/dcn/15/11-15-1019-00-000m-some-mac-comment-resolutions.doc>

<https://mentor.ieee.org/802.11/dcn/15/11-15-1019-01-000m-some-mac-comment-resolutions.doc>

<https://mentor.ieee.org/802.11/dcn/15/11-15-1037-02-000m-resolutions-for-more-assigned-comments-gs.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-1037-03-000m-resolutions-for-more-assigned-comments-gs.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0762-09-000m-resolutions-for-some-comments-on-11mc-d4-0-sbmc1.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0762-10-000m-resolutions-for-some-comments-on-11mc-d4-0-sbmc1.docx>