IEEE P802.11  
Wireless LANs

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| TGaq Minutes – May 2017 Session | | | | |
| Date: 2017-05-11 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Yunsong Yang | Huawei Technologies | 10180 Telesis Court, STE 165, San Diego, CA 92130 | +1-858-754-3638 | [yangyunsong@huawei.com](mailto:yangyunsong@huawei.com) |
| Stephen McCann | BlackBerry Ltd | The Pearce Building, West Street, Maidenhead, Berkshire, SL6 1RL, UK | +44 1753 667099 | [smccann@blackberry.com](mailto:smccann@blackberry.com) |

Abstract

Minutes for TGaq during the IEEE 802.11 May 2017 Interim meeting in Daejeon, South Korea, including 5 sessions: Mon PM2, Tue AM1, Tue PM2, Wed PM2, and Thur PM2.

Meeting: TGaq

Place: Daejeon, South Korea

Officers:

* Chair: Stephen MCCANN (BlackBerry)
* Vice-Chair: Yunsong YANG (Huawei)
* Technical Editor: Lee ARMSTRONG (DoT)

**Monday May 8th, 2017**

# TGaq 16:00-18:00 (PM2) local time

1. Called to order at 16:02 local time by Stephen McCann.
2. Attendance: 10.
3. Approval of agenda (11-17-549r1 on the server and r2 shown on the screen)

* Added Editor’s report.
* Added comment resolution
  + 11-17-573r1
  + 11-17-574r0
* The updated agenda (r2) is approved unanimously.

1. Review patent policy and guidelines
   * No items identified.
2. Editor’s report:
   * D8.1 is in the member’s area. The Editor (not present in this week) is working on D8.2 with technical comments resolved so far.
3. Secretary Position

* Establish secretary for the week
  + Yunsong Yang (Huawei) volunteers to take the minutes for the week.

1. Meeting minutes approval
   * TGaq March to April 2017 teleconference minutes (<https://mentor.ieee.org/802.11/dcn/17/11-17-0530-03-00aq-tgaq-march-to-april-2017-teleconference-minutes.doc> )
     + No comment or question.

Motion: move to approve TGaq March to April 2017 teleconference minutes as in doc. 11-17-530r3.

Moved: Dorothy Stanley

Second: Dan Harkins

Result: motion passes unanimously.

1. SB1 comment resolution
   * Presentation of doc. 11-17-573r1
     + Mike Montemurro (BlackBerry) presents the document.
     + Tab GAS Procedures
       - CID 7104: no change.
       - CID 7105: no change.
       - CID 7158: no change.
       - CID 7156: no change. Same as CID 7105.
       - CID 7155: no change.
       - CIDs 7078 and 7012: no change. Same as CID 7105.
       - CID 7159: no change.
       - CID 7160: no change.
       - CID 7080: no change.
       - CID 7162: change to Revised. Changed the text to describe only the example shown in the figure without describing the alternative, which is not shown in the figure.
       - CID 7167: change to “Revised. Change "Query Response (optional)" to "Query Response" in Table 9-325b.”
       - CIDs 7166, 7165, 7164: no change.
       - CID 7163: change to “Revised. Accept the Proposed Change, replacing “11dotGASResponseTimer” with “11dotGASResponseTimeout”.”
       - CID 7082: no change.
       - CID 7081: no change.
       - CID 7014: change to Revised, and specify that the proposed change is at P53L16.
       - CID 7169: no change.
       - CID 7168: no change.
       - CID 7170: no change.
       - CID 7083: no change.
       - CID 7004: no change.
     + Tab GA GAS
       - CID 7003: no change.
       - CID 7098: no change.
       - CID 7138: Change “0 or variable” in the resolution to “variable”
       - CID 7015: Same as CID 7098.
       - CID 7137: Commented on that a submission is desirable to avoid potential confusion for the Editor. Stephen McCann takes AI to generate a submission based on Proposed Change.
       - CID 7139: no change.
       - CID 7140: Need a submission. Stephen McCann will incorporate Mike’s resolution text in the same text submission for CID 7137.
       - CID 7142: no change.
       - CID 7136: no change.
       - CID 7143: no change.
       - CID 7144: no change.
       - CID 7117: stop here due to out of time.
2. Recessed at 18:00 local time.

**Tuesday May 9th, 2017**

# TGaq 8:00-10:00 (AM1) local time

1. Called to order at 8:12 local time by Stephen McCann.
2. Attendance: 4.
3. Review patent policy and guidelines
   * No items identified.
4. Approval of agenda (11-17-549r2 is on the server, r3 is shown on the screen)

* 11-17-611r1 in Tuesday AM1 session.
* 11-17-782r0 in Tuesday PM2 session.
* The updated agenda (r3) is approved unanimously.

1. Re-circulation Sponsor Ballot Comment Resolution
   * Continuation of presentation of 11-17-573r1
     + - CID 7117: Change to “Revised. Change “the maximum amount of time” to “the maximum duration.”
       - CID 7118: no change. Same as 7015.
       - CIDs 7119/7121: editorial change in the reason to reject.
       - CID 7122: Change “0 or variable” to “variable”
       - CID 7123: no change.
       - CID 7100: no change.
       - CID 7017: no change.
       - CID 7145: no change.
       - CID 7146: no change.
       - CID 7147: no change. Same as CID 7146.
       - CID 7102: no change. Same as CID 7146.
       - CID 7149: no change.
       - CID 7148: no change.
       - CID 7101: no change.
       - CID 7069: no change. Same as 7148.
       - CID 7071: no change. Same as 7149.
       - CID 7151: no change.
       - CID 7103: no change.
       - CID 7152: no change.
       - CID 7153: no change.
       - CID 7154: no change.
       - CID 7073: no change. Same as 7152.
       - CID 7074: no change. Same as 7153.
       - CID 7106: no change. Stephen McCann takes the AI to generate the revised Figure 11-40c.
       - CID 7126: no change.
       - CID 7174: no change.
       - CID 7112: no change. Same as 7126.
       - CID 7016: no change.
       - CIDs 7137 and 7140 remain open as submission is needed.
       - Mike will upload the updated file as r2. Members to review it. Plan to approve it on Wednesday.
   * Presentation of 11-17-611r1
     + Yunsong Yang (Huawei) presents the document, highlighting the changes made over r0 version, which was presented during previous teleconference.
     + Suggested to change “Service Information Registry” in Table 9-xyz (in clause 9.4.2.177) to “ANQP with Service Information Registry”, and change the value from 5 to 128, thus insert “Reserved” row after RLQP and updated the reserved values.
     + Another suggestion to change “advertisement protocol or server” to “advertisement protocol and server” (there are 3 instances).
     + Clause 9.4.5.27, inserted “or ANQP with Service Information Registry” after “ANQP” at three places.
     + Clause 11.25.3.2.1, deleted “faster” and “or SIR”, generalized the figure title and description.
     + Commented on that “AS” in the figure 11-40d needs to be spelt out, since AS is the abbreviation for Authentication Server. (Yunsong will revised the figure offline)
     + Clause 11.25.3.3.15, inserted “or ANQP with Service Information Registry” after “ANQP” at various places. Added sentences to describe that separate CAG ANQP-elements are used for ANQP and ANQP with Service Information Registry.
     + Yunsong will upload the revised document as 611r2 (after editing the figure). Members to review it. Plan is to approve it on tomorrow.
   * Presentation of doc. 11-17-574r0
     + Mike Montemurro presents the document.
     + CID 7005: Change to “Revised. Delete “elect to”.”
     + CID 7006: Change to “Revised. Delete “elect to”.”
     + CID 7031: Change to “Revised. Delete “elect to”.” Same as 7005.
     + CID 7089: Editorial changes to the reason of reject.
     + Mike will upload the revised document as 574r1. Members to review it. Plan to approve it tomorrow.
   * Presentation of 11-17-572r0
     + Stephen McCann presents the document.
     + Tab “Unassigned”
       - CID 7075: Accept.
       - CID 7076: Accept.
       - CID 7113: Rejected. There are two tables in the redline version D8.0, but only one in the clean version.
       - Stephen will upload the revised document as 572r1.
2. Recessed at 10:00 local time.

**Tuesday May 9th, 2017**

# TGaq 16:00-18:00 (PM2) local time

1. Called to order at 16:00 local time by Stephen McCann.
2. Attendance: 10.
3. Review patent policy and guidelines
   * No items identified.
4. Approval of agenda (11-17/549r3 on the server, r4 is shown on the screen)

* Changes in r4 include addition of presentation of 11-17-782r0, 11-17-799r0, and 11-17-572r1 for this session.
* The updated agenda (r4) is approved unanimously.

1. Re-circulation Sponsor Ballot Comment Resolution
   * Presentation of 11-17-782r0
     + SK Yong (Apple) presents the document.
     + Question to confirm that there could be multiple Duples per ANQP-element. Then commented that since the length of each Duple is variable, there may be issue to parse that.
     + Commented that the word “Key” can be confused with security key. Suggested changing “Key” to “Attribute” and same on the response side.
     + SK will add a length field in each Duple in both request and response. Thus Duple will be reverse back to Tuple.
     + SK will revise the document to r1 and bring it back.
   * Presentation of 11-17-799r0
     + Stephen McCann presents the document.
     + Commented that the octet number of the Max. Channel Time field in the figure should be “variable”, not “1”.
     + Stephen will upload the r1 version. Plan to approve it tomorrow.
   * Continuation of presentation of 11-17-572r1
     + Tab “Definitions”
       - CID 7022: Changes to “Revised. Delete the definition of “minterm”.
       - CID 7023: Changes to “Revised. Delete the definition of “sum-of-products” and incorporate the changes in document 11-17-782r1 (with the URL)”.
       - CID 7029: Changes to “Revised. Incorporate the changes in document 11-17-782r1 (with the URL).
       - CID 7033: no change.
       - CID 7062: Changes to “Revised. Delete the definition of “sum-of-products”
       - CID 7086: Changes to “Revised. Incorporate the changes in document 11-17-782r1 (with the URL).
       - CID 7090: no change.
       - CID 7091: Changes to “Revised. Delete the definition of “sum-of-products” and incorporate the changes in document 11-17-782r1 (with the URL)”.
       - CID 7092: Changes to “Revised. Incorporate the changes in document 11-17-782r1 (with the URL).
       - CID 7094: Changes to “Revised. Delete the definition of “sum-of-products” and incorporate the changes in document 11-17-782r1 (with the URL)”.
       - CID 7095: Changes to “Revised. Incorporate the changes in document 11-17-782r1 (with the URL).
     + Tab Bloom Filter procedure
       - CID 7027: no change.
     + Tab Architecture
       - CID 7045: Revised. Change the cited text to “below. The”
       - CID 7046: Revised. Create a new subclause after 4.5.9.2 called 4.5.9.2.1 with the tile of Introduction. Adjust the clause numbers accordingly.
       - CID 7047: Rejected. The SIR also contains naming and instance information about the services and may contain other items.
       - CID 7048: Rejected. The presence of the interworking bit in the AP’s Beacon means that the AP supports ANQP server.
     + Tab ANQP element format
       - CID 7019: Revised. Incorporate the changes in document 11-17-782r1 (with the URL).
       - CID 7030: Revised. Incorporate the changes in document 11-17-782r1 (with the URL).
       - CID 7056: Revised. Delete the text “contains a Bloom filter that” within the initial sentence. Corrected the reference to 9.4.2.217.
       - CID 7064: Revised. Incorporate the changes in document 11-17-782r1 (with the URL).
       - CID 7065: same as CID 7064.
       - CID 7093: Revised. Incorporate the changes in document 11-17-782r1 (with the URL).
     + Tabs MLME and ANQP procedures need further discussion.
     + Stephen will upload r2.
2. Recessed at 17:55 local time.

**Wednesday May 10th, 2017**

# TGaq 16:00-18:00 (PM2) local time

1. Called to order at 16:02 local time by Stephen McCann.
2. Attendance: 9.
3. Review patent policy and guidelines
   * No items identified.
4. Approval of agenda (11-17/549r4 on the server, r5 is shown on the screen)

* Corrected versions for 11-17-573 and 11-17-574.
* Added motion for 11-17-572r1.
* The updated agenda (r5) is approved unanimously.

1. Re-circulation Sponsor Ballot Comment Resolution

Motion #89

Move to approve the resolutions within document 11-17-0573r3, except CIDs 7137 and 7140, and instruct the Editor to incorporate them, into the next update of the TGaq Draft.

Moved: Mike Montemurro

Second: Graham Smith

Result: Y/N/A = 4/0/2. Motion passes.

Motion #90

Move to approve the resolutions within document 11-17-0574r2 and instruct the Editor to incorporate them, into the next update of the TGaq Draft.

Moved: Mike Montemurro

Second: Graham Smith

Result: Y/N/A = 4/0/1. Motion passes.

Motion #91

Move to approve the document 11-17-0611r2 and instruct the Editor to incorporate it into the next update of the TGaq Draft.

Moved: Yunsong Yang

Second: Mike Montemurro

Result: Y/N/A = 5/0/1. Motion passes.

Motion #92

Move to approve the document 11-17-0799r1 and set the resolutions to CIDs 7137 and 7140 to “Revised: Incorporate the changes within document <https://mentor.ieee.org/802.11/dcn/17/11-17-0799-01-00aq-figure-9-589ck-update.doc>” and instruct the Editor to incorporate them, into the next update the TGaq Draft.

Moved: Mike Montemurro

Second: Yunsong Yang

Result: Y/N/A = 5/0/1. Motion passes.

Motion #93

Move to approve the document 11-17-0782r2 and instruct the Editor to incorporate it into the next update of the TGaq Draft.

Moved: SK Yong

Second: Mike Montemurro

Result: Y/N/A = 6/0/1. Motion passes.

* + Continuation of presentation of 11-17-572r1
    - Tab Definition
      * Globally changed the reference of “11-17-0782-01” to “11-17-0782-02”.
    - Tab Architecture
      * CID 7039: Rejected. The cited text in from the baseline (Editor’s note: IEEE 802.11-2016 is correct at this point).
      * CIDs 7035, 7036, 7038, and 7041: Changed the resolutions to “Revised. Change the cited text to “IEEE Std 802.11””
      * CID 7037: Changed the resolutions to “Revised. Insert “Std” between “IEEE” and “802.11””.
      * CID 7042: Changed the resolutions to “Revised. Change the cited text to “to allow a non-AP non-PCP STA””.
      * CID 7043: Accept.
      * CID 7044: Revised. Change the cited text to “provides a method”
    - Tab ANQP procedures
      * CID 7026: Revised: Incorporate the changes in document <https://mentor.ieee.org/802.11/dcn/17/11-17-0782-02-00aq-aligning-11aq-with-higher-layer-service-discovery-protocol-text.docx>
      * CID 7175: Revised: Incorporate the changes in document <https://mentor.ieee.org/802.11/dcn/17/11-17-0782-02-00aq-aligning-11aq-with-higher-layer-service-discovery-protocol-text.docx>
      * CID 7110: Revised: Incorporate the changes in document <https://mentor.ieee.org/802.11/dcn/17/11-17-0782-02-00aq-aligning-11aq-with-higher-layer-service-discovery-protocol-text.docx>
      * CID 7111: Revised: Incorporate the changes in document <https://mentor.ieee.org/802.11/dcn/17/11-17-0782-02-00aq-aligning-11aq-with-higher-layer-service-discovery-protocol-text.docx>
      * CID 7125: Revised: Incorporate the changes in document <https://mentor.ieee.org/802.11/dcn/17/11-17-0782-02-00aq-aligning-11aq-with-higher-layer-service-discovery-protocol-text.docx>
    - Tab MLME
      * CID 7049: Revised: Replace the 2nd sentence with “The values from the Service Hint element, if such an element is present in the Beacon or Probe Response frame, else null”.
      * CID 7050: Revised: Replace the 2nd sentence with “The values from the Service Hash element, if such an element is present in the Beacon or Probe Response frame, else null”.
      * CID 7051: Reject: In the confirm primitive the receiving STA needs to know the peer address. Unlike the RA of the request, the TA of the response will be an individual address.
      * CID 7052: Reject: In the indicate primitive the receiving STA needs to know the peer address. Unlike the RA of the request, the TA of the request will be an individual address.
      * CID 7053: Reject: In the indicate primitive the receiving STA needs to know the peer address. Unlike the RA of the request, the TA of the request will be an individual address.
      * CID 7131: Revised. Essentially accept the proposed change, replacing “GASMode” with “GAMode”.
      * CID 7132: Revised. Change the Description column to read: "The values from the GAS extensions element in the GAS request received, if present, else null."
      * CID 7134: Revised: Change the Description column to read: "The parameter is present if GAMode is true, else null."
    - Double-checked that all tabs have been resolved, Stephen uploads the r2 version for approval.

Motion #94

Move to approve the resolutions within document 11-17-0572r2, except the tab “All SB1 Comments”, and instruct the Editor to incorporate them, into the next update of the TGaq Draft.

Moved: Mark Hamilton

Second: Mike Montemurro

Result: Y/N/A = 4/0/0. Motion passes.

* + Comment resolution of remain CIDs in Comment Group “Service Hash” in the database
    - CID 7097: Revised. Incorporate the changes in document <https://mentor.ieee.org/802.11/dcn/17/11-17-0782-02-00aq-aligning-11aq-with-higher-layer-service-discovery-protocol-text.docx>
    - CID 7124: Revised. Incorporate the changes in document <https://mentor.ieee.org/802.11/dcn/17/11-17-0782-02-00aq-aligning-11aq-with-higher-layer-service-discovery-protocol-text.docx>
    - CID 7087: Rejected. There is precedent for such an example within a normative clause in the baseline.
    - All 3 CIDs marked as ready-for-motion with no objection.
    - Stopped here due to out of time.

1. Recessed at 18:00 local time.

**Thursday May 11th, 2017**

# TGaq 16:00-18:00 (PM2) local time

1. Called to order at 16:00 local time by Stephen McCann.
2. Attendance: 7.
3. Review patent policy and guidelines
   * No items identified.
4. Approval of agenda (11-17/549r6 is shown on the screen)

* Resolve 4 remaining CIDs
* The updated agenda (r6) is approved unanimously.

1. Re-circulation Sponsor Ballot Comment Resolution
   * Continuation of remaining comment resolution
     + Tab “Service Hash”
       - CID 7088: Rejected. There is precedent for such an example within a normative clause in the baseline.
       - CID 7099: Revised. Incorporate the changes in document <https://mentor.ieee.org/802.11/dcn/17/11-17-0782-02-00aq-aligning-11aq-with-higher-layer-service-discovery-protocol-text.docx>
       - CID 7096: Revised. Incorporate the changes in document <https://mentor.ieee.org/802.11/dcn/17/11-17-0782-02-00aq-aligning-11aq-with-higher-layer-service-discovery-protocol-text.docx>
       - CID 7108: Revised. Incorporate the changes in document <https://mentor.ieee.org/802.11/dcn/17/11-17-0782-02-00aq-aligning-11aq-with-higher-layer-service-discovery-protocol-text.docx>
       - All 4 CIDs marked as ready-for-motion with no objection.
     + Yunsong generates and uploads a revised comment spreadsheet 11-17-0528r4 to include all 7 remaining CIDs in a new Tab “2017-05-11-PM2”, for approval.

Motion #95

Move to approve the resolutions within the tab:

"2017-05-11-PM2”

in document 11-17-0528r4 and instruct the Editor to incorporate these approved CIDs into the next update of the TGaq Draft.

Moved: Yunsong Yang

Second: Mike Montemurro

Result: Y/N/A = 4/0/0. Motion passes.

* + Consider re-circulation sponsor ballot

Motion #96

* Approve comment resolutions for all of the comments received from the Sponsor Ballot on P802.11aq D8.0 as contained in document https://mentor.ieee.org/802.11/dcn/17/11-17-0528-04-00aq-comments-from-1st-recirculation-sb-on-tgaq-d8-0.xlsx
* Having approved the comment resolutions:
  + instruct the editor to prepare Draft 9.0 incorporating these resolutions and
  + approve a 10 day Sponsor Recirculation Ballot asking the question “Should P802.11aq D9.0 be forwarded to RevCom?”

Moved: James Lepp

Second: Dan Harkins

Result: Y/N/A = 4/0/0. Motion passes.

* + Preparation for EC June 6th teleconference
    - Change the plan for June. Do it in July EC meeting.

1. Preparation for July 2017 Plenary meeting
   * Room/Slot Allocation – 4 slots, room for 25.
2. Teleconference(s)
   * 26 May, 2, 16, 23, 30 June, 7 July, 12:00 ET (2 hr).
3. Timeline update
   * No change.
4. AOB: none.
5. Meeting Adjourned at 16:30 local time with no objection.