IEEE P802.11  
Wireless LANs

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| IEEE 802.11 TGah,  Jan 2016 TGah Session Meeting Minutes | | | | |
| Date: 2016-1-09 | | | | |
| Author(s): | | | | |
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Abstract

TGah meeting minutes from the IEEE 802.11 Atlanta session, Jan 18th-22nd, 2016.

**IEEE 802.11 Task Group ah,**

**Nov 2015 Meeting**

**Hyatt Regency, Dallas, TX USA**

**November 9th-13th, 2015**

**Monday, January 18th, 2016, PM1 TGah Session (13:30-15:30)**

1. **The meeting called to order at 13:40PM by Yongho Seok (NEWRACOM), the chair of the TGah**
   1. About 25 people are in the room at this time.
2. **Announcement**
   1. Agenda doc is 11-15/1511r1 is on the server.
   2. Approved the previous meeting minutes, 11-15/1448r0.
   3. Reported current status.
   4. Meeting Protocol: The Chair asked to state name and affiliation when speaking for the first time.
   5. Attendance reminder.
      1. The attendance server: https://imat.ieee.org/
3. **The chair reviewed the mandatory 5 slides of P&P.**
   1. Instructions from the WG Chair.
   2. Participants, Patents, and Duty to Inform.
   3. Patent Related Links.
   4. Call for potentially essential patents.
      1. Chair asked if anyone is aware of potentially essential patents
      2. Potentially essential patents
   5. Other Guidelines for IEEE WG Meetings.

Patent Policy was reviewed and no new issues were identified

1. **The Chair goes over the agenda**
   1. The chair asked who was available to make a presentation in this slot.
   2. The chair reviewed the latest assignees on CIDs.
   3. Explained a schedule to discuss IP issues. Scheduled date was AM1 on 21th (Thu).
2. **The Chair called for presentations**
   1. No requests for additional presentations were made. Reordering of presentations was requested and accepted
3. **The Chair asked for approval of the agenda**
   1. **Motion 1: Move to approve the agenda**
      1. Move: Kenichi Mori
      2. Second: Al Petrick
      3. Any discussions or objections?
         1. No discussions or objections were heard.

**Passes with unanimous consent**.

1. **Presentation of contributions to resolve CIDs**
   1. **DCN 16/090r1**
      1. Presented by Po-Kai Huang (Intel Corp.)
      2. No discussions or questions regarding the presentation except typo.
      3. **Pre-Motion 1: Do you accept the comment resolution for CID 8095, 8108, 8123 as shown in 11-16/0090r1?**

Result: **Passed with unanimous consent**.

* 1. **DCN 16/0002r1**
     1. Presented by Bo Sun (ZTE)
     2. Discussion was done to make a few sentences to be clearer. After this discussion, revision number was updated.
     3. **Pre-Motion 2: Do you accept the comment resolution for CID 8037, 8155, 8160, 8165 as shown in 11-16/0002r1?**

Result: **Passed with unanimous consent**

* 1. **DCN 16/0113r0**
     1. Presented by Lien Chu (Marvell)
     2. An editorial issued was fixed and updated the revision number from 0 to 1.
     3. **Pre-Motion 3: Do you accept the comment resolution for CID 8096, 8130, 8131, 8174, 8189 as shown in 11-16/0113r1?**

Result: **Passed with unanimous consent**

* 1. **DCN 16/0112r0**
     1. Presented by James Wong (Mediatek)
     2. An editorial issued was fixed and updated the revision number from 0 to 1.
     3. **Pre-Motion 4: Do you accept the comment resolution for CID 8332, 8331, 8178, 8180, 8452, 8336, 8335, 8334 as shown in 11-16/0112r1?**

Result: **Passed with unanimous consent**

* 1. **DCN 16/0114r1**
     1. Presented by Liwen Chu (Marvell)
     2. No discussion or questions on this resolutions.
     3. **Pre-Motion 5: Do you accept the comment resolution for CID 8071, 8085, 8087, 8133 as shown in 11-16/0114r1?**

Result: **Passed with unanimous consent**

* 1. **DCN 16/0020r0**
     1. Presented by Yongho Seok (NEWRACOM)
     2. Pre-Motion 6: Move to adopt comment resoluti
     3. Alfred request to merge other documents which has a strong relationship with CID8245 into one document.
     4. Yongho agreed the above Alfred proposal.
     5. Made a decision to have an offline discussion on CID8245.
     6. CID8422 was taken over by Alfred
     7. Had a discussion on CID8053, especially about how to amend sub-clause 9 and 10. But no conclusion was reached. Decided to continue an offline discussion.

**The chair recessed this session until evening session on 18th.**

**Monday, January 18th, 2016, PM3 TGah Session (19:30-21:30)**

Chair announced Thursday AM1 session is scheduled for IP related comments

### Agenda for the session

Discuss 11-16-0081 and 11-16-0082

Approved

### IPR policies

Chair announced IPR policies, called for essential patent claims, but no one speaks up

### Submissions to address comments received on TGah SB0

### 11-16-0081r0, Miscellaneous Part 2

Presenter Alfred Asterjadhi

This submission proposes resolutions for multiple comments related to TGah D5.0 (28 CIDs):

* 8007, 8345, 8042, 8301, 8367, 8109, 8289,
  + No changes to proposed resolution
* 8140, 8473, 8379, 8013, 8380, 8382, 8014, 8383,
  + 8473: figure will be revised in r1 to account for no support of HCF, MCF and PCF in 11ah
  + 8379, 8313, 8014: motivation of proposed resolution will be updated in r1
* 8385, 8016, 8022, 8025, 8392, 8395, 8404, 8453,
  + No changes to proposed resolution
* 8149, 8330, 8517,
  + No changes to proposed resolution
* 8533, 8329
  + No changes to proposed resolution

Premotion to accept resolutions of all CIDs above except CID 8473, was passed with no objections

### 11-16-0082r0, Miscellaneous Part 3

Presenter Alfred Asterjadhi

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

* 8074, 8080, 8129, 8137, 8145, 8147, 8169, 8192, 8202 (9 CIDs)
  + No changes to proposed resolution
* 8284, 8285, 8325, 8449, 8478, 8492, 8493, 8502, 8079, 8081, 8448, 8429 (12 CIDs)
  + The presenter clarified the new text of the comment resolution after it is combined with other resolutions
  + No changes to proposed resolution

Premotion to accept all above CIDs, was passed with no objections

No other documents are ready to be discussed. Chair adjourned the meeting at 8:44pm

**Tuesday, Jan 19th, 2016, AM1 TGah Session (8:00-10:00)**

1. Meeting called to order at 8:05PM by Chair Yongho Seok (NEWRACOM)
2. Eugene Baik (Qualcomm) volunteers for secretary
3. Review of Agenda (11-15/1511r0)

* No documents/submissions on agenda until 8:30am because that is when Alfred will arrive to present document.
* Move to approve meeting agenda
  + Move by Alfred, Seconded by Eugene
  + Agenda approved unanimously

1. Brief recess until 8:30
2. Session re-starts at 8:30
3. Re-review of Agenda

* Ah sb0 comment resolution document by Liwen Chu (Marvell)
* SB0 comment resolutions by Kaiying Lv
* Miscellaneous Part1 by Alfred A.
* Miscellaneous Part2 by Alfred A.
* Revisited CIDs by Alfred A.

1. Doc. 11-16/0115r0: ah sb0 comment resolution 8205, 8321, 8323, 8450 by Liwen Chu (Marvell)

* Document provides resolution for 4 CIDs
* Editor Alfred Asterjadhi makes some suggestions on how to rephrase editing instructions to editor, changes to be reflected in r1 of document.
* Premotion for accepting the resolutions provided in the document passes unanimously

1. Doc. 11-16/0077r0: SB0-comment-resolutions-to-CIDs-8091, 8102, 8126, 8322, 8446, 8182 by Kaiying Lv (ZTE)

* Document provides resolutions for 6 CIDs
* Alfred Asterjadhi, Liwen Chu, and Matt Fischer (Broadcom) make minor suggestions in wording of resolutions, to be reflected in r1 of document.
* More offline discussion will be done to jointly resolve CIDs with Matt, Alfred.

**Tuesday, Jan 19th, 2016, PM2 TGah Session (16:00-18:00)**

1. Meeting called to order at 4:02PM by Chair Yongho Seok (NEWRACOM)
2. Eugene Baik (Qualcomm) volunteers for secretary
3. Review of Agenda (11-15/1511r0)

* IPR policy review
* CID resolution
  + Misc Clause 24 CIDs by Eugene Baik (Qualcomm)
  + TWT CIDs by Matthew Fischer (Broadcom)
  + SB0 Comment Resolutions by Jason Lee (ETRI)
* Motion to approve agenda by Eugene, seconded by Prahab, approved unanimous consent

1. IPR policy review, no one speaks up
2. Doc: 11-16/0126r0: Misc Clause 24 CIDs by Eugene Baik (Qualcomm)

* CID resolutions for 9 previously unassigned miscellaneous CIDs in Clause 24.
* Premotion passes without objections

1. Doc: 11-16/0063r0: LB215-TWT-CIDs-proposed-resolutions by Matthew Fischer (Broadcom)

* CID resolutions for 18 TWT related CIDs
* Modifications suggested during presentation reflected r1 of document
* Premotion passes without objections

1. Doc. 11-16/0131r0: SB0\_Comment\_Resolution\_on\_Active\_Scanning by Jason Lee (ETRI)

* CID resolutions for 3 CIDs related to Active Scanning.
* Premotion passes without objections

1. Doc. 11-16/0130r0: SB0\_Comment\_Resolution\_on\_CID8369\_CID8458 by Jason Lee (ETRI)

* CID resolutions for 2 CIDs.
* Premotion passes without objections

**Wednesday, Jan 20th, 2016, PM2 TGah Session (16:00-18:00)**

1. Meeting called to order at 4:02PM by Chair Yongho Seok (NEWRACOM)
2. Eugene Baik (Qualcomm) volunteers for secretary
3. Review of Agenda (11-15/1511r6)

* Motion of Nov. meeting minutes, CID resolutions discussed and premotioned during teleconference calls
* PHY-MAC CID resolutions
* Motion to approve agenda by Naveen, seconded by Eugene, no objections, agenda approved

1. IPR Policy Review, no one speaks out
2. Motion 1: Move to approve minutes of F2F November meeting (11-15/1448r0)

* Move by Eugene Baik, seconded by Alfred Asterjadhi
* Motion passes by unanimous consensus

1. Update to CID resolution for 8166, Doc. 11-15/1531r1 by Alfred Asterjadhi

* Minor text revision

1. Motion 2: Move to adopt the Comment Resolutions in 11-15/0094r0, spreadsheet document containing all comment resolutions from teleconference calls since November F2F.

* 139 CIDs resolved
* Move by Alfred Asterjadhi, seconded by Matt Fischer
* No objections, motion passes by unanimous consensus

1. Doc. 11-16/0167r0 SB Comment Resolutions Misc 8 CIDs by Naveen Kakani (Qualcomm)

* 8 miscellaneous CID resolutions, mostly editorial changes.
* Premotion to accept comment resolutions for CIDs in 11-16/0167r1 passes without objections

1. Doc. 11-16/0153r0 ah sb0 comment resolution 8.2.4 by Liwen Chu (Marvell)

* Resolution of 7 CIDs
* Suggested changes by Alfred and Yongho to be reflected in r2, and presented again.

1. Doc. 11-16/0083r0 Revisited CIDs of D5.1 with EDIT STATUS to be reviewed by Alfred Asterjadhi (Qualcomm)

* 20 CID resolutions

1. Doc. 11-16/0081r1 Miscellaneous\_part 2by Alfred Asterjadhi

* Revision to earlier document, changes presented

1. Doc. 11-16/0159r0 TGah SB0 Relay Comments by Menzo Wentink (Qualcomm)

* Resolution of 31 CIDs related to Relay Operation
* Modifications reflected in r1 version of document
* Premotion passes without objections

1. Further discussion on Doc. 11-16/077, revision r1 by Kaiying Lv

* Revisions to resolutions for CID 8102, 8322
* Premotion for document passes without objections

**Thursday, Jan 21st, 2016, AM1 TGah Session (8:00-10:00)**

1. Meeting called to order at 8:02PM by Chair Yongho Seok (NEWRACOM)
2. Eugene Baik (Qualcomm) volunteers for secretary
3. Review of Agenda (11-15/1511r7)

* Resolution of IP related CIDs (8286) by Rolf De Vegt (Qualcomm) with 802.11 chair (Adrian Stephens) present
* Remaining PHY-MAC CID resolutions
* Motion to approve agenda by Eugene, seconded by Rolf, agenda approved without objection

1. IPR Policy Review, no one speaks out
2. Doc. 11-16/0172r0: SB0 resolution CID8286 by Rolf de Vegt (Qualcomm)

* Rejection of CID by Matt Fischer regarding existence of acceptable LOA.
* No discussion or comments after Rolf reads CID and presents resolution
* WG Chair asks when premotion will be run as motion, TGah Chair responds that it will be run in PM1.
  + For convenience of WG Chair, motion will be run as first motion in PM1 session, so WG chair can be present.
* Premotion passes without objection

1. Doc. 11-16/0174r0 Miscellaneous Part 4, by Alfred Asterjadhi (Qualcomm)

* Resolution of miscellaneous previously unassigned CIDs: 8105, 8477, 8244, 8176, 8146, 8299, 8468
* Resolutions for CID 8146 and 8176 are TBD, and will be addressed in r1 of document
* Will continue presentation of document in Thursday PM1 session

1. Doc 11-17/0153r1 ah sb0 comment resolution 8.2.4 by Liwen Chu (Marvell)

* Continuation of document from Wednesday PM2, with revisions
* Premotion for CIDs 8255, 8262, 8278, 8279, 8280, 8503, 8059, 8256, 8190 pass without objections.

1. Hongyuan requests brief discussion of CID 8082 regarding STBC+Traveling pilots operation in PM1 before motion.
2. TGah recessed until PM1.

**Thursday, Jan 21st, 2016, PM1 TGah Session (13:30-15:30)**

1. Meeting called to order at 8:02PM by Chair Yongho Seok (NEWRACOM)
2. Eugene Baik (Qualcomm) volunteers for secretary
3. Review of Agenda (11-15/1511r8)

* Approval of all comment resolution documents that have been premotioned in Atlanta F2F (11-16/0182r1)
* Motion for separate Miscellaneous CIDs not covered in other document
  + CID 8053, CID 8146, CID 8176
  + CID 8286 (IP related CID resolution by Rolf
* Move to approve agenda by Eugene, seconded by Rolf. Agenda approved by unanimous consensus

1. Motion 3: Adopt comment resolution of CID 8286 in Doc. 11-16/0172r0

* Moved by Rolf de Vegt, seconded by Eugene Baik
* Motion passes by unanimous consensus (WG Chair Adrian Stephens present)

1. Motion 4: Move to adopt the Comment Resolutions in 11-16/0182r1 under the tab “January 2016 F2F meeting”

* Moved by Eugene Baik, seconded by Naveen Kakani
* Motion passes by unanimous consensus

1. Motion 5: Move to adopt comment resolution of CID 8146 as shown in 11-16/0174r1

* Moved by Alfred Asterjadhi, seconded by Eugene Baik
* Motion passes by unanimous consensus

1. Motion 6: Move to adopt comment resolution of CID 8176 as shown in agenda slides

* Moved by Alfred Asterjadhi, seconded by Eugene Baik
* Motion passes by unanimous consensus

1. Motion 7: Move to adopt comment resolutions as shown in 11-16/0083r0

* Moved by Alfred Asterjadhi, seconded by Eugene Baik
* Motion passes by unanimous consensus

1. Conference call schedule discussed for March-July 2016

* No objections to conference call plan

1. Motion 8: Move to adopt the comment resolutions of CID 8053 as shown in 11-16/0174r1 and agenda slides

* Moved by Matt Fischer, seconded by Alfred Asterjadhi
* Motion passes by unanimous consensus

1. Motion 9: Move to instruct the Editor to generate D5.2 of the draft based on motions passed in TGah at the January face-to-face meeting

* Moved by Alfred Asterjadhi, seconded by Eugene Baik
* Yes: 10, No: 0, Abstain: 0,
* Motion passes

1. Motion 10: Move to approve to go to 15-day Sponsor Recirculation Ballot

* Moved by Eugene Baik, seconded by Matt Fischer
* Yes: 10, No: 0, Abstain: 0
* Motion passes

1. Timeline Review: No changes to current timeline of July 2016 Revcom approval
2. All pending items covered, TGah session is adjourned for the week.