IEEE P802.11  
Wireless LANs

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| IEEE 802.11aj November Meeting Minutes | | | | |
| Date: 2016-11-15 | | | | |
| Author(s): | | | | |
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ABSTRACT

This document contains minutes of the 6-11 November 2016 IEEE 802.11aj plenary meeting in San Antonio, TX, USA.

**TGaj November 2016 San Antonio Meeting Minutes**

Officers:

* Chair: Jiamin Chen (Huawei/HiSilicon)
* Vice Chair: Haiming Wang (SEU)
* Editor: Jiamin Chen (Huawei/HiSilicon)
* Sub-editor: Shiwen He (SEU)

**Monday, November 7th, 2016, IEEE802.11 aj, PM1 (13:30-15:30), Attendee: 5**

1. Called to order at 13:30 by Jiamin Chen
2. Call for secretary

* Shiwen He (SEU) volunteers to take the minutes for the week.

1. Review patent policy and guidelines

* No items identified

1. Approval of agenda (11-16/1302r1)

* May cancel Tuesday evening session according to the meeting progress.
* The agenda is approved unanimously.

1. Approval of previous meeting minutes

* July 2016 meeting minutes (11-16-1061-00-00aj-conference-minutes-on-ieee802-11-at-san-diego-july-2016)
  + Approved by unanimous consent.

1. Editor report

* **Review 11-16/1305r0 - TGaj Editor Report for LB223**
  + Reported the current status of the comment resolution to CIDs received from LB223 on TGaj D3.0. In total of 21 comments were received:
* 3 Editorial comments (ER)
* 4 General comments (GR)
* 14 Technical comments (TR) (Including 3 MBS CIDs)
* **Review 11-16/1129r1 - LB223 comments database**
  + Assigned assignees for all of the CIDs. Will be updated over time. Hope to resolve all of them in November meeting.

1. Comment resolutions for LB223

* **Review Doc 11-16/1145r0 - Proposed resolution to CID 506, 508, 509, 510, 511, 512, 513 and 514 in LB223 – Jiamin Chen (Huawei/HiSilicon)**
  + Q&A: Fixed CID numbering errors.
* **Review Doc 11-16-1467-01-00aj-proposed-resolutions-for-cid-502-503-504-520-11aj-lb223 – Shiwen He (SEU)**
  + Q: Suggest to revise “we” as “IEEE 802.11aj(45GHz)”. Change “Control/SC/OFDM model” to “Control/SC/OFDM mode”.
  + A: Accepted. Fixed some typos.

1. Recess at 2:58pm until 13:30 pm Tuesday ( PM1)

**Tuesday, November 8th, 2016, IEEE802.11 aj, PM1 (13:30-15:30), Attendee: 6**

1. Called to order at 13:30 by Jiamin Chen
2. Review patent policy and guidelines

* No items identified

1. Approval of agenda (11-16/1302r2)

* The agenda is approved unanimously.

1. Comment resolutions for LB223

* **Review Doc 11-16-1479-00-00aj-proposed-resolution-to-cid505-in-lb223 – Jianhan Liu (MTK)**
  + Q&A: Need to revise the TXVECTOR parameters.
* **Review Doc 11-16-1491-00-00aj-proposed-resolution-to-cid507-in-lb223 –Jianhan Liu (MTK)**
  + Q&A: The current values for the robust mode rates are wrong. Fix them.
* **Review Doc 11-16-1463-00-00aj-proposed-resolutions-to-cid-521-in-lb223 – Dejian Li (Huawei)**
  + Q&A: Clarified that a frame format is called “Figure” rather than “Table”.
* **Review Doc 11-16-1462-00-00aj-proposed-resolutions-to-cid-516-519-in-lb223 – Dejian Li (Huawei)**
  + Q: CID518, the OFDM PHY mode may be obsolete? Should we need to remove it?

A: In 802,11REVmc, there are the corresponding description of the OFDM PHY mode for the IEEE 802.11ad. Reject this comment and declare that “The CE field of OFDM mode is already marked as obsolete, no changes should be done to the obsolete text”.

Q: If aj draft make change on this, it is still correct. We need to make try to make this change.

A: Yes.

Q: Is the structure of the CDMG CE as the same to the DMG CE?

A: Yes

S: Revise the proposed resolution as: Reject (25.3.6.3 is marked as obsolete, no change should be done to the obsolete text.).

1. TGaj MDR report

* **Review Doc 11-16/1333r2 – TGaj MDR report – Jiamin Chen (Huawei/HiSilicon)**
  + Reviewed the issues received from MDR report and discussed possible resolutions. Plan to resolve all of the issues by tomorrow’s session.

1. Change for the meeting agenda

* TGaj editors need more time to prepare the MDR resolution doc, so suggest to cancel Tuesday evening session.
  + No objection. The TGaj Tuesday evening session is cancelled. Announce the cancellation via WG&TG reflectors.

1. Recess at 2:43 pm until 13:30 pm Wednesday ( PM1)

**Thursday, November 8th , 2016, IEEE802.11 aj, PM1 (19:30-21:30)**

1. Cancelled.

**Wednesday, November 9th, 2016, IEEE802.11 aj, PM1 (13:30-15:30), Attendee: 7**

1. Called to order at 13:30 by Jiamin Chen
2. Review patent policy and guidelines

* No items identified

1. Approval of agenda (11-16/1302r3)

* The agenda is approved unanimously.

1. Comment resolutions for LB223

* **Review Doc 11-16/1527r1 – Proposed resolutions to CID 501, 515 – Shiwen He (SEU)**
  + Q&A: Fixed some typos.

Q: The conclusion on CID515 should be “Accepted”.

A: Accepted.

1. TGaj MDR report

* **Review Doc 11-16/1333r3 – TGaj MDR report – Jiamin Chen (Huawei/HiSilicon)**
  + Reviewed the proposed resolutions to those issues received from MDR report.
  + Discussions: Agreed to use “**CMMG** (China Millimetre-wave Multi-Gigabit)” instead of “45MG (45GHz Multi-Gigabit)” to accommodate the requirement of naming of MIB variables. Change “45MG” to “CMMG” throughout the draft.
  + Q: How long do the editors need to correct and revise this draft and create D4.0.

A: About 2~3 three weeks. We are close to sponsor ballot and try to make it perfect as much as possible.

1. Change for the meeting agenda

* At this point of time, TGaj has completed resolutions to all CIDs from LB223 and issues from MDR report. Propose to move Thursday PM1 agenda items to Wednesday PM1 session.
  + No objection to the proposed agenda change, moving on to process tomorrow’s agenda items.

1. Timeline update

* Discussion: For safety, proposed to enter initial sponsor ballot in March, 2017. Maybe we can request conditional EC approval to go to sponsor ballot in January if there is no MBS comments received or changes to be made on D4.0. propose to form sponsor ballot pool in January, 2017. Need confirmation by Adrian in Thursday CAC meeting.
  + **Official Time Line for 802.11aj (Updated in November 2016)**
* **08-2012: PAR approved**
* **01-2013: Develop Task Group Document**
* **07-2013: Call for Proposal (CFP) for 60GHz**
* **11-2013: 60GHz Proposal Presentation,**
* **12-2013: China 45GHz spectrum approved**
  + **03-2014: WG circulation for 60GHz specification amendment**
* **03-2014: Call for Proposal (CFP) for 45GHz**
* **07-2015: Finalize 45GHz baseline**
* **11-2015: WG Letter Ballot Initial**
* **05-2016: WG Letter Ballot Recirculation 1**
* **07-2016: WG Letter Ballot Recirculation 2**
* **10-2016: Mandatory Draft Review (MDR)**
* **11-2016: WG Letter Ballot Recirculation 3 and MDR done**
* **01-2017: Form Sponsor Ballot Pool**
* **01-2017: WG Letter Ballot Recirculation 4**
* **03-2017: Conditional or unconditional Sponsor Ballot Initial**
* **05-2017: Sponsor Ballot Recirculation 1**
* **06-2017: Sponsor Ballot Recirculation 2**
* **07-2017: Final WG and EC approval**
* **07-2017: RevCom & Standards Board approval**

1. Motions

* **Motion 1:**

**To approve updated TGaj Timeline contained in 11-16/1302r5**

* + Move: Haiming WANG
  + Second: Jinnan LIU
  + Result: Y-6 N-0 A-0
  + Motion passes
* **Motion 2:**

**To approve the following comment resolutions and proposals to be incorporated into TGaj technical draft D4.0**

CID 506, 508, 509, 510, 511, 512, 513, 514 (from 11-16/1145r1)

CID 502, 503, 504, 520 (from 11-16/1467r3)

CID 516, 517, 518, 519 (from 11-16/1462r1)

CID 521 (from 11-16/1463r0)

CID 505 (from 11-16/1479r0)

CID 507 (from 11-16/1491r0)

CID 501, 515 (from 11-16/1527r2)

* + Move: Haiming WANG
  + Second: Dejian LI
  + Result: Y-6 N-0 A-0
  + Motion passes
* **Motion 3:**

**To approve the suggested changes from the Mandatory Draft Review by WG editors to be incorporated into TGaj technical draft D4.0, granting the editor modification license.**

11-16/1333r4 – TGaj MDR Report

* + Move: Haiming WANG
  + Second: Dejian LI
  + Result: Y-6 N-0 A-0
  + Motion passes
* **Motion 4:**

**Having approved comment resolutions for all of the comments received from WG Recirculation Letter Ballot on P802.11aj D3.0 (LB223) as specified in 11-16/1524r0**

**Instruct the editor to generate P802.11aj D4.0, and**

**Approve a 15-day Working Group Technical 3rd Recirculation Letter Ballot asking the question “Should P802.11aj D4.0 be forwarded to Sponsor Ballot?”**

* + Move: Haiming WANG
  + Second: Jon ROSDAHL
  + Result: Y-6 N-0 A-0
  + Motion passes

1. Plan for January 2017 meeting

* Comment resolution for 802.11aj WG Recirculation Letter Ballot
* Conditional Sponsor Ballot

1. Conference call time

* 15th December, 2016, 8pm ET for 1hour

(16th December, 2016, 9am Beijing Time)

* 5th January, 2017, 8 pm ET for 1 hour

(6th January, 2017, 9am Beijing Time)

1. Completed all agenda items and adjoined at 3:05 pm. Thursday PM1 session is cancelled.

**Thursday, November 10th , 2016, IEEE802.11 aj, PM1 (13:30-15:30)**

1. Cancelled.