IEEE P802.11
Wireless LANs

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| IEEE 802.11aj May Meeting Minutes |
| Date: 2016-05-27 |
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ABSTRACT

This document contains minutes of the 16-20 May 2016 IEEE 802.11aj interim meeting in Hawaii, USA.

1. **Tuesday, May 17th, 2016, IEEE802.11 aj, AM1 (08:00-10:00), Attendee: 8**
* **Jiamin Chen:**
* Report the proposal titled as “11-16-0517-01-00aj-ieee-802-11aj-task-group-may-2016-agenda” and introduce the policies of IEEE 802.11 and the agenda items for this week.
* Approve the meeting minutes of IEEE 802.11aj March 11-16/0502r0,

Move: Haiming Wang,

Second: Dejian Li,

Results: Approved by unanimous consent

* 11-16-0205-02-00aj-tgaj-editor-report-for-lb217:
* 11-16-0193-03-00aj-tgaj-LB217 comments database

Comment: The resolution status of a comment also can be reflected in the column Resn status.

* **Dejian Li**
* Report the comment resolutions titled as “11-16-0685-00-00aj-lb217-comment-resolutions-to-cid-99-122-and-163” on CID 99, 122, and 163.

Q: Why did you use the words as RCPI and RSNI?

A: Based on the existing standard.

* **Dejian DE**
* Report the comment resolutions titled as “11-16-0705-00-00aj-proposed-resolution-to-cid-41-42-44-84-98-111-151-and-168-in-lb217” on CID 41,42,44,84, 98, 111, 151 and 168.

Q: Is the co-existence document also revised? Is this a new text?

A: All yes.

Q: Propose to point out the section “in the co-existence doc”

Discussion occurred to polish the contents of the resolution to the CID 42. See details in 11-16/0705r2.

1. **Wednesday, May 17th, 2016, IEEE802.11 aj, AM1 (08:00-10:00), Attendee: 15**
* **Jiamin Chen:**
* Report the proposal titled as “11-16-0517-02-00aj-ieee-802-11aj-task-group-may-2016-agenda”.
* Report the proposal titled as “11-16-0719-00-00aj-proposed-resolution-to-cid-100-101-102-etc-in-lb217” to explain the need of the research of the IEEE 802.11aj standard. Also some changes are proposed to 11aj D1.0 to improve the backward compatibility with DMG STAs.

Q: What is relationship between China 60GHz national standard and 11aj?

A: 11aj was formed as a platform for win-win collaboration between 802.11 WG and CWPAN WG to provide a good opportunity for 11ad standard to enter the Chinese market and CWPAN to globalize its defined national standard in millimeter wave bands (might be published at the end of this year). Also it is agreed that 802.11aj and the Chinese 60GHz national standard will be harmonized with each other as much as possible.

Q: Question related to CDMG preamble on 1.08 GHz and 2.16 bandwidth channels. How to backward compatible with 802.11ad, the preamble is different from 802.11ad?

Discussion: The preamble of the CDMG 1.08 GHz PHY is not as the same as DMG 2.16 GHz PHY. Even the same the DMG STA still cannot decode. So it is not necessary to use DMG preamble on 1.08 GHz channel. A CDMG AP or PCP shall transmit DMG beacon on 2.16 GHz channel to announce allocation information. At he beginning of the presentation, propose to transmit the duration information of a 1.08 GHz PPDU on the corresponding 2.16 GHz channel via CTS/RTS frames etc. The preliminary proposed changes might need to be further studied and refined. For backward compatibility with DMG STA, it’s relatively easier to do something in MAC layer compared with in PHY layer.

Comment: Change “… some amendments and modifications are proposed to…” to “some changes are proposed to”. Insert the doc number at where this presentation is cited. Hopefully more constructive comments will be received in future.

* **Jianhan LIU:**
* Report the proposal titled as “11-16-0715-00-00aj-lb217-comment-resolutions-to-cid-51-104-105-150-and-115”.

Q: What is the CDMG preamble? If the CDMG preamble is as the same as DMG STA, a DMG STA can receive 1.08 GHz PPDU by using the half clock rate of a DMG STA operating on 2.16 GHz channel.

A & discussion: Two reserved bits are used to indicate enhanced mobile mode to enlarge the data PHY coverage for small size antenna devices and match to the control PHY coverage. Still reserved “11” in CDMG header for future system such as 11ay. For the difference between CDMG and DMG preamble can be further discussed in other comment.

1. **Wednesday, May 17th, 2016, IEEE802.11 aj, PM2 (16:00-18:00), Attendee: 8**
* **Jiamin Chen:**
* Report the proposal titled as “11-16-0517-03-00aj-ieee-802-11aj-task-group-may-2016-agenda”.
* Report the proposal titled as “11-16-0719-01-00aj-proposed-resolution-to-cid-100-101-102-etc-in-lb217” to reflect the changes based on discussion occurred in Wednesday AM1 session.
* **Dejian LI:**
* Report the proposal titled as “11-16-0705-02-00aj-proposed-resolution-to-cid-41-42-44-84-98-111-151-and-168-in-lb217” to continue report the resolution of CID 44,84, 98, 111, 151 and 168.

Comment: Need to define MAC layer features as well as corresponding conditional and mandatory options for 45GHz potion in the PICS in Annex B.

* Report the proposal titled as “11-16-0718-00-00aj-lb217-comment-resolutions-to-cid-106-109” to continue report the resolution of CID 106 - 109.
1. **Thursday, May 17th, 2016, IEEE802.11 aj, PM2 (16:00-18:00), Attendee: 8**
* **Jiamin Chen:**
* Report the proposal titled as “11-16-0517-04-00aj-ieee-802-11aj-task-group-may-2016-agenda”.
* Motion to reaffirm Haiming WANG as vice chair of the TGaj. Y: 6, N:0, A: 0.
* Motion to approve the following comment resolutions and proposals to be incorporated into TGaj technical draft D2.0. Y: 5, N:0, A: 0.
* Motion: Having approved comment resolutions for all of the comments received from WG Initial Letter Ballot on P802.11aj D1.0. Instruct the editor to generate P802.11aj D2.0, and approve a 15 day Working Group Technical Recirculation Letter Ballot asking the question “Should P802.11aj D1.0 be forwarded to Sponsor Ballot?”. Y: 5, N:0, A: 0.
* Motion to co-locate future TGaj interim meeting with 802.11 WG interim meeting. Y: 5, N:0, A: 0.
* Plan for July session: Comment resolution for LB recirculation. Review task group timeline. AOB.
* Conference call time: 7th July, 2016, 9pm ET for 1 hour (8th July, 2016, 9am Beijing Time)

Adjourn the session at 16:30.

**References:**

* 1. 11-16-0517-01-00aj-ieee-802-11aj-task-group-may-2016-agenda
	2. 11-16-0685-00-00aj-lb217-comment-resolutions-to-cid-99-122-and-163
	3. 11-16-0705-00-00aj-proposed-resolution-to-cid-41-42-44-84-98-111-151-and-168-in-lb217
	4. 11-16-0517-02-00aj-ieee-802-11aj-task-group-may-2016-agenda
	5. 11-16-0719-00-00aj-proposed-resolution-to-cid-100-101-102-etc-in-lb217
	6. 11-16-0715-00-00aj-lb217-comment-resolutions-to-cid-51-104-105-150-and-115
	7. 11-16-0517-03-00aj-ieee-802-11aj-task-group-may-2016-agenda
	8. 11-16-0719-00-00aj-proposed-resolution-to-cid-100-101-102-etc-in-lb217
	9. 11-16-0705-02-00aj-proposed-resolution-to-cid-41-42-44-84-98-111-151-and-168-in-lb217
	10. 11-16-0718-00-00aj-lb217-comment-resolutions-to-cid-106-109
	11. 11-16-0517-04-00aj-ieee-802-11aj-task-group-may-2016-agenda