IEEE P802.11  
Wireless LANs

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| Minutes of IEEE 802 JTC1 Standing Committee in Hawaii, USA in Sept 2017 | | |
| Date: 20171005 | | |
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Abstract

Minutes of IEEE 802 JTC1 Standing Commitee sessions at the IEEE 802 wireless interim session in Hawaii, USA in Sept 2017

# Minutes of Meeting on Tue, 12 Sept 2017

### Order

* The Chair, Andrew Myles (Cisco), called the meeting to order at 1:30 p.m.

### Agenda

* The SC agenda is found in 11-17/1178r06.
* The agenda was accepted without modification.

### Minutes

* The minutes (11-17/1198r00) from the Berlin meeting were approved unanimously.

### PSDO for 802.1

* Since the last meeting in July, the current status of IEEE 802.1 specifications going through the PSDO (Peer Standards Development Organization) agreement process is:
  + in 5-month FDIS (Final Draft International Standard) ballots are IEEE 802.1Qbu, IEEE 802.1Qbz (both closing in October), and IEEE 802.1Qcd-2015 (closing in December, a bit later than previously expected);
  + waiting to start 60-day pre-ballots: IEEE 802.1CB, IEEE 802.1Qci (requires action by the IEEE 802.1 WG), IEEE 802.1Qch (also requires action by the IEEE 802.1 WG), and IEEE 802c;
  + waiting to start 5-month FDIS ballots: IEEE 802.1AC-Rev, IEEE 802d, and IEEE 802.1AEcg.
* During its 60-day pre-ballot, IEEE 802.1AEcg received two comments from the China National
  + Body (NB), which voted against the specification
    - The China NB disagrees with the mandatory-to-implement algorithm (AES) and the hop-by-hop nature of the protections specified in that standard.

### PSDO for 802.3

* On the IEEE 802.3 front
  + Both IEEE 802.11bv and IEEE 802.11bu closed their 60-day pre-ballots in mid-August.
  + The FDIS ballots for IEEE 802.3bw closed on September 11th (the day before this JTC1 SC meeting, so IEEE 802.3 hasn’t had a chance to respond).
  + FDIS ballots for IEEE 802.3br and IEEE 802.3bz close on October 11th;
  + the FDIS ballots for IEEE 802.3bp, IEEE 802.3bq, and IEEE 802.3by close on October 18th.
  + The special ballot for IEEE 802.3/Corrigenda 1 closes on November 22nd.
  + IEEE 802.3bn should be ready to start its FDIS ballot, having resolved the comments from the 60-day pre-ballot back in June, but that hasn’t happened yet.
    - Jodi Haasz (IEEE Staff) indicates that it will start “soon”.

### PSDO for 802.11

* IEEE 802.11 had a relatively small amount of business with JTC 1/SC 6 since the last meeting.
* A re-run of the IEEE 802.11ai 60-day pre-ballot closed at the beginning of the month.
  + The re-run was necessary to incorporate some editorial fixes into the document.
  + Naturally, the China NB submitted comments on the IEEE 802.11ai pre-ballot.
  + In response to those comments on IEEE 802.11ai (see slide 58 in the agenda), Dan Harkins (HPE) prepared a proposed response (11-17/1398r00). The gist of the two China NB comments is that a secure channel between AS and AP is required but not specified and that there is no means given for one STA to trust the public key of another STA.
  + Harkins’ response is that a secure channel is an upper layer matter and outside of the scope of IEEE 802.11 specifications, while trust in a public key may be obtained through any number of means, but the important part is that the keys are trusted before IEEE 802.11ai authentication can succeed.
  + Dan Harkins made a motion that his response be used as the basis of the resolution for the China NB comments on the IEEE 802.11ai 60-day pre-ballot. Subir Das (Applied Communications Sciences) seconded the motion.
  + The motion was carried on a 6-0-0 (Y-N-A) vote.

### PSDO for 802.15

* Five-month FDIS ballots for IEEE 802.15.3-revA and IEEE 802.15.6 closed on September 7th, but the results are not yet available to IEEE.

### PSDO for 802.21

* IEEE 802.21 – IEEE 802.21-2017 will probably start its FDIS ballot this month, meaning that the results should be available by the March 2018 plenary.
* IEEE 802.21.1 should have started it FDIS ballot on September 4th.

### PSDO for 802.22

* IEEE 802.22a and IEEE 802.22b passed their FDIS ballots at the end of July.
* IEEE 802.22b received a comment from the China NB that is very similar to their comment on IEEE 802.11ai’s use of the AES algorithm.
* As no one was present from IEEE 802.22 during this JTC1 SC session, comment resolution will probably be closed out during the November plenary.

### SC6 meeting

* The next SC 6 meeting will be held in Seoul, KR from October 30 to November 3.
* There may be WebEx access for remote participation.
* The agenda has not been updated recently, but Andrew Myles will get in contact with the SC 6 Secretariat and share any information gleaned with the IEEE 802 JTC1 SC so that attendees can determine which portions of the SC 6 meeting they might want to participate in remotely.
* The WG 1 Convenor has resigned and it appears the new Convenor will likely be Huang Zhenhai (IWNCOMM, the proponents of WAPI).

### Security ad hoc

* IEEE 802’s liaison statement sent to SC 6 regarding the proposed SC 6 security ad hoc was belatedly published in May.
* It elicited a protest from the China NB.
* The ballot to create the security ad hoc passed on a 7-4-8 vote.
* During the July IEEE 802 plenary, the SC requested that the IEEE 802 EC authorize sending a liaison statement (11-17/0899r00) to SC 6 regarding the security ad hoc.
* The EC wanted to make some modifications to the liaison statement, so it was not sent following the July plenary.
* IEEE Staff weighed in on the matter in August.
* Based on the current state of affairs, it is now probably too late for an IEEE 802 liaison statement to be of any use; Myles suggests not even sending it at this point.
* The US, Canada, United Kingdom, and the Netherlands all voted against the security ad hoc and submitted comments to that end.
* The comments disposition (6N16700) was written by a representative of the China NB and essentially rejects every one of the comments submitted.
* Eight out of ten US comments were rejected on the basis that the terms of reference had already been balloted and agreed upon.
* In fact, this is not the case – the only ballot that took place was for authorizing the formation of the security ad hoc, not its terms of reference.

### SC6 delegation

* Andrew Myles will ask for volunteers to serve as an official IEEE 802 delegation to the SC 6 meeting.
* He will then ask the IEEE 802 Executive Committee (EC) to approve that delegation during an EC teleconference.

### HBC

* Peter Yee is to check with Bob Heile to see how IEEE 802.15 stands on Human Body Communications – JTC 1/SC 6/WG 1 has been doing early work in that area which may conflict with IEEE 802.15.6 to some extent.
  + [Discussion with Bob Heile after the close of the JTC1 SC session revealed that IEEE 802.15 does remain interested in HBC and that they were waiting to hear the results of the IEEE 802.15.6-2012 FDIS ballot, which closed on September 7th.]

### WAPI update

* According to a blog posting, WAPI was the subject of a heated argument at a meeting in China.
* While WAPI is found in around 7 billion devices (and a patent royalty is paid for those implementations), it’s not apparent that WAPI actually gets used much.

### WG7 update

* In JTC 1/SC 6/WG 7, there’s work being done to rethink Internet protocols.
* Included in that scope of work is a very early but extensive proposal for a new security architecture that the China NB is working on.
* Andrew will distribute the ISO/IEC 21558-8 document that discusses the Future Network Security Architecture when it becomes available (probably during the upcoming SC 6 meeting).
* While details are unknown, it’s not currently expected that it will deal much with IEEE 802-level security.

### Adjourn

* The meeting was adjourned at 2:28 p.m.