IEEE P802.11  
Wireless LANs

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| Minutes of IEEE 802 JTC1 Standing Committee virtually in September 2020 | | |
| Date: 20200924 | | |
| Author(s): | | |
| Name | Affiliation | email |
| Andrew Myles | Cisco | amyles@cisco.com |

Abstract

Minutes of IEEE 802 JTC1 Standing Commitee session at the IEEE 802 Wireless plenary session held virtually in September 2020

# Minutes of the IEEE 802 JTC1 SC meeting on Monday, 14 September 2020

### Order

* The chair, Andrew Myles (Cisco) called the meeting to order at 5:02 p.m. EDT.

### Agenda

* The SC agenda is found in 11-20/1134r09 (updated to 11-20-/1134r10 during the meeting).
* The agenda was accepted without modification.

### Minutes

* The minutes (11-20/1078r02) from the preceding virtual meeting in July were approved by unanimous consent.

### Liaisons to SC6

* Myles will check on whether any liaisons to SC 6 regarding new projects should have been sent coming out of the July 2020 IEEE 802 virtual plenary meeting.

### PSDO status

* To date, 64 specifications have been completely sent through the PSDO process for ratification by SC 6. Another 41 specifications are in process.

### 802.1 PSDO status

* IEEE 802.1Qcc comment resolutions were developed in July and August for review in September.
  + Either an ePoll will be used to approve sending them to SC 6 or they will be approved during the November plenary meeting.
* IEEE 802.1Qcp is awaiting the start of its FDIS ballot.
  + Jodi Haasz (IEEE staff) will check on when that will happen.
* IEEE 802.1Qcy is in the same boat.
* IEEE 802.1Xck passed its FDIS ballot in June 2020, with comment responses sent in August.
* IEEE 802.1AE-Rev has been published by ISO/IEC.
* IEEE 802.1AS-Rev passed its 60-day pre-ballot in August with a response to a China National Body (NB) comment.
* IEEE 802.1AX-REV also passed its 60-day pre-ballot in August and awaits the start of its FDIS ballot.
* IEEE 802.1Q-REV will be liaised to SC 6 after the rollup of the IEEE 802.1Q amendments is done, so November 2020 or later.
* IEEE 802.1Qcx, although previously liaised, will probably not be submitted for balloting, but rather will be rolled into IEEE 802.1Q-Revision and submitted as part of that.
* IEEE 802.1X-2020 was liaised for information in August, so it should be ready for a 60-day pre-ballot.
* IEEE 802.1CMde was sent for information back in January and will be submitted again for a 60-day pre-ballot upon publication by IEEE.
* IEEE 802.1AE-2018/Cor1-2020 was approved the special 90-day ballot, probably at the end of this month or early next month.
* IEEE 802.1Qcr, IEEE 802.1CS, and IEEE 802.1Qcz were liaised in August 2020.

### 802.3 PSDO status

* IEEE 802.3.1 is undergoing the usual 5-year systematic review, which closes on December 2, 2020.
* IEEE 802.3-REV passed its FDIS ballot, but received a no vote with 2 comments from the China NB.
* IEEE 802.3cb is awaiting its FDIS ballot having been submitted for a restart of the process in August.
* IEEE 802.3bt-2018’s 60-day pre-ballot closes in mid-October.
* IEEE 802.3cd-2018 is in a 60-day pre-ballot also closing in mid-October.
* IEEE 802.3cn will be submitted in September now that IEEE 802.3-2018 has received its FDIS approval.
* IEEE 802.3cg and IEEE 802.3cq are in the same status, although IEEE 802.3cq will be sent in October to break up the mass of specifications being submitted for balloting.
* IEEE 802.3cm, IEEE 802.3ch, and IEEE 802.3ca will be submitted for 60-day pre-ballots in October.
* IEEE 802.3.2-2019 will be submitted for its 60-day pre-ballot this month.
* Liaison of drafts of IEEE 802.3cr and IEEE 802.3cu was approved in July.
  + That will be undertaken on publication, which will likely be this month.

### 802.11 PSDO status

* IEEE 802.11 has 12 standards in the PSDO pipeline.
* IEEE 802.11aj has been published as ISO/IEC/IEEE 8802-11:2018/AMD 3:2020.
* IEEE 802.11ak has been published as ISO/IEC/IEEE 8802-11:2018/AMD 4:2020.
* IEEE 802.11aq has been published as ISO/IEC/IEEE 8802-11:2018/AMD 5:2020.
* IEEE 802.11ax should be approved by the IEEE-SA in January 2021, after which it will be submitted for SC 6 ratification.
* IEEE 802.11ay and IEEE 802.11ba will follow the same path.
* Those last three amendments will be considered for submission for ratification during IEEE 802’s March 2021 plenary.
* IEEE 802.11az looks like it will be not ready to send in liaison until 2022.
* IEEE 802.11bb, IEEE 802.11bc, IEEE 802.11bd, and IEEE 802.11be are all too early in their development processes to be liaised for information.
* IEEE 802.11-2020 should be approved in December, so it will probably be submitted for ratification during the March 2021 plenary too.

### 802.22 PSDO status

* IEEE 802.22-2015 passed its systematic review earlier this month.
* However, its update, IEEE 802.22-2019, is in a 60-day pre-ballot closing in October.

### SC6 meeting

* The next SC 6 meeting will be held virtually October 19-30.
  + Stephen McCann (self) will attend on behalf of IEEE 802 and present the liaison report.
  + Peter Yee will attend the session of the Ad Hoc Group on Trustworthiness on October 26th.
* Overall, the areas of interest to IEEE 802 would appear to be:
  + Anew Proposed Work Item on narrow band variable OOK WUR (On-Off Keying Wake-Up Radio, similar to IEEE 802.11ba)
  + AG 1 on Wearable Devices
  + AG 2 on Concepts and Terminology
  + AHG 2 (the aforementioned Trustworthiness group).
* The WUR items were discussed during the SC 6 meeting in February because there’s the potential for interference between the two schemes operating in the same radio band.
  + The Korea NB has submitted a NWIP ballot on their WUR proposal, and that ballot was to close on September 18.
  + That ballot has been cancelled for procedural reasons, since there’s an open comment collection on the Proposed Work Item that doesn’t finish until October.
  + IEEE 802.11 TGba has looked at the SC 6 WUR proposal and proposed a possible liaison statement (11-20/1358r01).
  + The liaison statement explains that IEEE 802.11ba will be approved in early 2021, so the SC 6 project is unnecessary for use in IEEE 802.11.
  + It seems likely that neither Bluetooth nor ZigBee are in particular need of the project either.
  + Given the overlap in the proposed project in SC 6 and the nearly completed IEEE 802.11ba (down to copied waveforms and other technical data from IEEE 802.11ba), it could be concluded that the PWI is unneeded.
  + Dorothy Stanley (HP Enterprise) believes that the PWI is actually under ballot.
  + Jodi Haasz will check on that and report back.
  + Myles believes the documents in question were withdrawn.
  + A motion was made by Karen Randall (Randall Consulting) to the IEEE 802.11 WG to approve sending 11-20/1358r02 as a liaison statement to SC 6.
    - Geert Awater (Qualcomm) seconded the motion.
  + Myles will prepare a matching WG motion to be made during the closing plenary.
* IEEE 802.15 does not appear concerned by creation of a Wearable Devices group inside of SC 6, although that group may work on specifications that overlap with IEEE 802.15’s work.
* The ad hoc group on trustworthiness flows from a JTC 1 initiative.
  + The group will be up for recharter during the October SC 6 meeting.
  + It will be first meeting (virtually) on September 15 and then again on October 26.
  + Peter Yee will attend both sessions and prepare a report on the group’s activities.
* Peter Yee will prepare the liaison report for the October meeting in the next several days as it must be submitted before next week’s submission deadline.

### Adjounment

* The meeting was adjourned at 6:04 p.m.

### Attendance

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| **Name** | **Affiliation** |
| Abdelaal, Rana | Broadcom Corporation |
| Andersdotter, Amelia | None - Self-funded |
| Au, Oscar | Origin Wireless |
| Awater, Geert | Qualcomm Incorporated |
| Baykas, Tuncer | Istanbul Medipol University |
| Bechadergue, Bastien | OLEDCOMM |
| Berkema, Alan | HP Inc. |
| Chayat, Naftali | Vayyar Imaging Ltd. |
| Chen, Xiaogang | Intel Corporation |
| Fang, Yonggang | ZTE TX Inc |
| Haider, Muhammad Kumail | Facebook |
| Hamilton, Mark | Ruckus/CommScope |
| Hart, Brian | Cisco Systems, Inc. |
| Hsieh, Hung-Tao | MediaTek Inc. |
| Lee, Il-Gu | Sungshin University |
| Li, Qinghua | Intel Corporation |
| Li, Yunbo | Huawei Technologies Co. Ltd |
| Lindskog, Erik | Samsung |
| Myles, Andrew | Cisco Systems, Inc. |
| Perkins, Richard | Qorvo |
| Petrick, Albert | Jones-Petrick and Associates, LLC. |
| Pirhonen, Riku | NXP Semiconductors |
| Qi, Emily | Intel Corporation |
| Rai, Kapil | Qualcomm Incorporated |
| Rezk, Meriam | Qualcomm Incorporated |
| RISON, Mark | Samsung Cambridge Solution Centre |
| Rosdahl, Jon | Qualcomm Technologies, Inc. |
| Segev, Jonathan | Intel Corporation |
| Shah, Kunal | Itron Inc. |
| Sherlock, Ian | Texas Instruments Incorporated |
| Smely, Di Dieter | Kapsch TrafficCom AG |
| Strauch, Paul | Qualcomm Incorporated |
| Sun, Bo | ZTE Corporation |
| Tian, Tao | Unisoc Comm. |
| Torab Jahromi, Payam | Facebook |
| Vermani, Sameer | Qualcomm Incorporated |
| Wang, Huizhao | Quantenna Communications, Inc. |
| Wang, Pu | Mitsubishi Electric Research Labs (MERL) |
| Wang, Qi | Apple, Inc. |
| Want, Roy | Google |
| Wu, Kanke | Qualcomm Incorporated |
| Xue, Qi | Qualcomm Incorporated |
| Yee, James | MediaTek Inc. |
| Yee, Peter | NSA-CSD |
| Yi,Yyongjiang | Futurewei Technologies |
| Yona, Yair | Qualcomm Incorporated |
| Yu, Heejung | Korea University |