IEEE P802.11  
Wireless LANs

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| Minutes of IEEE 802 JTC1 Standing Committee virtually in July 2020 | | |
| Date: 20200715 | | |
| Author(s): | | |
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Abstract

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

R1: added affiliation fro Stephen McCann

# Minutes of the IEEE 802 JTC1 SC meeting on Monday, 13 July 2020

### Order

* The SC chair, Andrew Myles (Cisco), called the meeting to order at 5:02 p.m. ET on Monday, July 13, 2020.

### Agenda

* The SC agenda is found in 11-20/0812r07 (updated to 11-20/0812r08 during the meeting).
* The agenda was accepted without modification.

### Minutes

* The minutes (11-20/0178r00) from the Irvine meeting were approved by unanimous consent.

### SC 6 meeting review

* The previous JTC 1/SC 6 meeting occurred after our last face-to-face meeting (Irvine, CA, US, January 2020).
* The SC 6 meeting was held in London, UK during the week of February 3, 2020.
* IEEE 802 members who participated in that meeting (either locally or remotely) were
  + Stephen McCann (BlackBerry at that time)
  + David Law (HPE)
  + Jodi Haasz (IEEE Staff)
  + Peter Yee (AKAYLA)
  + James Lepp (BlackBerry)
  + Karen Randall (Randall Consulting)
* There were several new groups created or discussed during the meeting.
* A Study Group on Wearable Devices was approved
  + The SG may overlap with IEEE 802.15.4 but as the Study Group has not seen any progress, we will simply continue to watch (pun intended) it.
* The China National Body (NB) submitted a flow down proposal for an ad hoc group to deal with trustworthiness based on an initiative at the JTC 1 level.
  + The AHG is supposed to review the outputs from SC 6 to give input to JTC 1 on the trustworthiness of these specifications.
  + It’s unclear how the AHG’s scrutiny of specifications submitted by IEEE 802 will affect their ratification in SC 6.
  + There’s been no obvious action by the AHG since it was formed.
  + Like the Wearable Devices Study Group, it will be reconsidered during the (remote) October 2020 JTC 1/SC 6 plenary.
  + Andrew Myles, Peter Yee, and Stephen McCann have registered to participate in the Trustworthiness AHG.
  + It’s possible that the AHG will generate a report to the next SC 6 plenary without holding an actual meeting.
* An Advisory Group on Concepts and Terminology was also created, but it’s not obvious that it has any bearing on IEEE 802 interests.
* During the February meeting, Stephen McCann (BlackBerry at that time) presented the IEEE 802 status update (6N16919) with no response.
* The Korean NB submitted an NWIP (New Work Item Proposal) for a standard that would be similar to IEEE 802.11ba (Wake-Up Radio), albeit with applicability to a broader set of wireless protocols than IEEE 802.11.
  + A ballot on the NWIP was mistakenly opened but has since been cancelled.
  + The PWI (Preliminary Work Item) is currently available for comment through October 2020.
  + IEEE 802.15 has been notified of this JTC 1/SC 6 activity as IEEE 802.15.4 may have interest in this effort.
  + Minyoung Park (Intel) noted that given the technology overlaps (at least for IEEE 802.11ba), it might be worth sending a liaison to SC 6 suggesting that they just use IEEE 802.11ba for a WUR technology; Minyoung took an action to write a liaison
  + In any case, it’s not likely that the wake-up packet would be exactly the same between IEEE 802.11, IEEE 802.15.4, and Bluetooth.
  + The plan will be to have a liaison approved by the IEEE 802 Executive Committee (EC) to allow the liaison’s transmission in time for SC 6’s October plenary.
* In SC 6/WG 7 (upper layers), the China NB has proposed new work on WLAN Access Control.
  + These are upper layer protocols for the management of wireless access points, so it’s likely that they will not have a direct impact on IEEE 802.11.
  + Both ballots to authorize this work have passed with Netherland, Ukraine, China, Korea, and Spain claiming to supply experts to work on these efforts.

### 802.1 PSDO

* IEEE 802.1 will see IEEE 802.1Qcc, IEEE 802.1Qcp, and IEEE 802.1Qcy closing their 60-day pre-ballots on July 16th.
* IEEE 802.1Xck and IEEE 802.1AE-Rev completed their 5-month FDIS (Final Draft International Standard) ballots at the end June.
  + Karen Randall has generated (mostly the usual) responses to the (mostly the usual) comments submitted by the China NB on those ballots.
  + Those responses will be approved by the IEEE 802.1 WG during this week’s plenary.
* Comments on IEEE 802.1Q-2018 (which closed it FDIS ballot on May 4th) were handled in June, while comments on IEEE 802.1AR-Rev were handled in April.
* IEEE 802.1AR-Rev and IEEE 802.1AC/Cor-1 have now been published by ISO/IEC, according to Jodi Haasz.
* IEEE 802.1AS-Rev and IEEE 802.1AX-Rev are both in FDIS ballots closing on August 22nd.
* IEEE 802.1Qcx, IEEE 802.1CMde, and several other specifications will be moved for publication during this IEEE 802 plenary meeting, so they will then be ready for submission for pre-ballots.
* IEEE 802.1X-REV has been published, so it will be authorized by IEEE 802.1 for a pre-ballot coming out of this week’s plenary.

### 802.3 PSDO

* In IEEE 802.3, IEEE 802.3cb and IEEE 802.3-rev (the new base standard) successfully completed 60-day pre-ballots in April 2019.
* IEEE 802.3cb will wait to start its FDIS ballot until IEEE 802.3-rev closes its own FDIS ballot on July 22, 2020.
* IEEE 803bt, IEEE 802.3.2, and IEEE 802.3cb are similarly waiting on pre-ballots.
* IEEE 802.3cn, IEEE 802.3cm, IEEE 802.3cq, IEEE 802.3dh, and IEEE 802.3ca will be pre-authorized for submission for pre-ballots out of this meeting.

### 802.11 PSDO

* IEEE 802.11aj, IEEE 802.11ak, and IEEE 802.11aq all passed their FDIS ballots at the end of June.
  + All received comments from the China NB, although solely in the case of IEEE 802.11aj, the China NB voted to approve the standard.
  + Those comments have not yet been resolved.
* IEEE 802.11ax, IEEE 802.11ay, and IEEE 802.11md (the to-be IEEE 802.11-2020) were sent to SC 6 for their information in January 2020.
* IEEE 802.11ba D6.0 was submitted to SC 6 for informational purposes in March.
* IEEE 802.11az, IEEE 802.11bb, IEEE 802.11bc, IEEE 802.11bd, and IEEE 802.11be won’t be sent to SC 6 until they are more mature.
* Dan Harkins (HPE) moved and James Lepp seconded a motion that 11-20/1024r01 be recommended to the IEEE 802.11 WG for submission in response to the comments on IEEE 802.11aj.
* Mark Hamilton (Ruckus) moved and Jouni Malinen (Qualcomm) seconded a motion to use the similar 11-20-1025-01 as the response to the comments against IEEE 802.11ak.
* In the same vein, Stephen McCann (self) moved and Jouni Malinen (Qualcomm) seconded a motion for applying 11-20/1026r00 as the response to IEEE 802.11aq comments.
* All three motions were approved by unanimous consent.
* Dorothy Stanley (HPE) indicated that the IEEE 802.11 WG will prepare the equivalent motions for WG approval.
  + Assuming they are approved, similar motions will be made to the EC to approve submittal of the comment responses.

### 802.15 PSDO

* There are no IEEE 802.15 specifications currently under consideration in the PSDO (Peer Standards Development Organization) pipeline.

### 802.22 PSDO

* The somnolent IEEE 802.22 WG, on the other hand, has IEEE 802.22-REV in a pre-ballot closing on 2 September 2020.
* The hibernating state of the WG may complicate any necessary comment resolution.

### Adjournment

* The meeting was adjourned at 6:13 p.m. ET.

### Attendees

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| --- | --- |
| **Name** | **Affiliation** |
| Abdelaal, Rana | Broadcom Corporation |
| Adhikari, Shubhodeep | Broadcom Corporation |
| Ahn, Woojin | Korea Railroad Research Institute (KRRI) |
| Allegue Martinez, Michel | Aerial Technologies Inc |
| Andersdotter, Amelia | None - Self-funded |
| Ansley, Carol | CommScope |
| Asterjadhi, Alfred | Qualcomm Incorporated |
| Au, Oscar | Origin Wireless |
| Auluck, Vijay | Self |
| Awater, Geert | Qualcomm Incorporated |
| Baykas, Tuncer | Istanbul Medipol University |
| Chen, Cheng | Intel Corporation |
| CHERIAN, GEORGE | Qualcomm Incorporated |
| Chu, Liwen | NXP Semiconductors |
| Congdon, Paul | Tallac Networks |
| Cordeiro, Carlos | Intel Corporation |
| Costa, D.Nelson | Peraso Technologies Incorporated |
| Das, Subir | Perspecta Labs Inc |
| DOAN, DUNG | Qualcomm Incorporated |
| Ecclesine, Peter | Cisco Systems, Inc. |
| ElSherif, Ahmed | Qualcomm Incorporated |
| Erceg, Vinko | Broadcom Corporation |
| Gardner, James | Qualcomm Incorporated |
| Garg, Lalit | Broadcom Corporation |
| Haasz, Jodi | IEEE Standards Association (IEEE-SA) |
| Hall, Robert | CONSULTANT |
| Hamilton, Mark | Ruckus/CommScope |
| Hansen, Christopher | Covariant Corporation |
| Harkins, Daniel | Aruba Networks, Inc. |
| Harrison, Edward | Anritsu Company |
| Healey, Adam | Broadcom Inc. |
| Hu, Chunyu | Facebook |
| Hurtarte, Jeorge | Teradyne, Inc. |
| Ji, Chenhe | Huawei Technologies Co., Ltd |
| Jones, Vincent Knowles IV | Qualcomm Incorporated |
| JUNG, MYUNG CHEUL | Pantech Inc. |
| Kakani, Naveen | Qualcomm Incorporated |
| Kandala, Srinivas | SAMSUNG |
| Kerry, Stuart | OK-Brit; Ruckus; CommScope |
| Khericha, samir | Broadcom Corporation |
| Kim, Sanghyun | WILUS Inc. |
| Kim, Youhan | Qualcomm Incorporated |
| Kim, Youn-Kwan | The Catholic University of Korea |
| Kishida, Akira | Nippon Telegraph and Telephone Corporation (NTT) |
| Kitazawa, Shoichi | Muroran IT |
| Kwon, Young Hoon | NXP Semiconductors |
| Lan, Zhou | Broadcom Corporation |
| Lepp, James | BlackBerry |
| Li, Guoqing | Apple Inc. |
| Li, Jialing | Qualcomm Incorporated |
| Liu, Yong | Apple Inc. |
| Loginov, Vyacheslav | IITP RAS |
| Lou, Hui-Ling | NXP Semiconductors |
| Lu, Liuming | ZTE Corporation |
| Malinen, Jouni | Qualcomm Incorporated |
| McCann, Stephen | Self |
| Mirfakhraei, Khashayar | Cisco Systems, Inc. |
| Montreuil, Leo | Broadcom Corporation |
| Murphy, Rick | vLogic, Inc. |
| Myles, Andrew | Cisco Systems, Inc. |
| Nagai, Yukimasa | Mitsubishi Electric Corporation |
| NAGATA, KENGO | Nippon Telegraph and Telephone Corporation (NTT) |
| Nakano, Hiroki | NETREQS, Inc. |
| Nguyen, An | U.S. Department of Homeland Security |
| Nikolich, Paul | self employed/various |
| Orlik, Philip | Mitsubishi Electric Research Labs (MERL) |
| Ozbakis, Basak | VESTEL Electronics Corp. |
| Pan, Chun | Huawei Technologies Co., Ltd |
| Park, Minyoung | Intel |
| Parsons, Glenn | Ericsson AB |
| Perahia, Eldad | Hewlett Packard Enterprise |
| Petry, Brian | Broadcom Corporation |
| Puducheri, Srinath | Broadcom Corporation |
| Pulikkoonattu, Rethnakaran | Broadcom Corporation |
| QIU, WEI | Huawei Technologies Co., Ltd |
| Rai, Kapil | Qualcomm Incorporated |
| Randall, Karen | Tallac/self |
| Rezk, Meriam | Qualcomm Incorporated |
| Riegel, Maximilian | Nokia |
| Rosdahl, Jon | Qualcomm Technologies, Inc. |
| Salem, Mohamed | Huawei Technologies Co., Ltd |
| Sambasivan, Sam | AT&T |
| Shah, Kunal | Itron Inc. |
| Sherlock, Ian | Texas Instruments Incorporated |
| Siyari, Peyman | Qualcomm Incorporated |
| Stanley, Dorothy | Hewlett Packard Enterprise |
| Strauch, Paul | Qualcomm Incorporated |
| Sumi, Takenori | Mitsubishi Electric Corporation |
| Thompson, Geoffrey | InterDigital, Inc. |
| Tian, Tao | Unisoc Comm. |
| Torab Jahromi, Payam | Facebook |
| Uln, Kiran | Cypress Semiconductor Corporation |
| Vermani, Sameer | Qualcomm Incorporated |
| Wang, Lei | Huawei R&D USA |
| Wang, Xiaofei | InterDigital, Inc. |
| Wang, Yi-Hsiu | Zeku |
| Ward, Lisa | Rohde & Schwarz |
| Yan, Aiguo | Oppo |
| Yang, Lin | Qualcomm Incorporated |
| Yang, Steve TS | MediaTek Inc. |
| Yee, Peter | NSA-CSD |
| Young, Christopher | Broadcom Corporation |
| Zou, Tristan | Qualcomm Incorporated |