IEEE P802.11  
Wireless LANs

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| Minutes of IEEE 802 JTC1 Standing Committee hybrid in July 2022 | | |
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Abstract

Minutes of IEEE 802 JTC1 Standing Committee session during the IEEE 802 wireless interim session held in hybrid mode in July 2022

# Minutes of the IEEE 802 JTC1 SC meeting on Tuesday, 12 July 2022

### Order

* The chair, Andrew Myles (Cisco), called the meeting to order at 4:02 p.m. EDT.

### Agenda

* The SC agenda is found in 11-22/0807r05 (updated to 11-22/0807r06 over the course of the session).
  + The agenda was accepted without modification.

### Minutes

* The minutes (11-22/0821r00) of the May meeting were approved by unanimous consent.

### Policy & goals

* The various policy slides were displayed.
* The goals of the SC were reaffirmed by the EC in November 2020, as shown on slide 14.

### Deterministic Wireless Industrial Network

* Dave Cavalcanti (Intel) briefed the SC on the Deterministic Wireless Industrial Network (DWIN) proposal that was discussed during the June 2022 ISO/IEC JTC 1/SC 6 meeting.
  + The justification for the need for the DWIN project in SC 6 was based on older versions of IEEE 802.11 that could not meet the requirements desired for DWIN.
  + Concerns have been raised about co-existence with IEEE 802.11 (due to using the same bands) and lack of wide participation to make the SC 6 standard broadly applicable.
  + During the meeting, there was no specific technical discussion, but the outline of the specification exists and work is targeted to finish in December 2024 after an initial meeting in March 2023.
* The project was approved by SC6 following the WG1 meeting.
  + There is some question as to what SC 6 approved – the NP or a ballot for the NP.
  + It appears that it is the approval for the ballot for the NP, so no project has yet been initiated.
* IEEE 802.11 doesn’t appear to have any ability to object to the project and probably doesn’t need to rally friendly SC 6 members against it.
  + We probably just monitor the situation and perhaps invite the proposers to bring the work to IEEE 802, since we have similar needs for next generation IEEE 802.11.

### 802.1

* IEEE 802.1 has 11 standards in the PSDO (Peer Standards Development Organization) process.
* IEEE 802.1Q-REV is awaiting approval for publication, but once publication happens, it will be sent for a 60-day pre-ballot in SC 6.
* IEEE 8021X-2020 was published as an ISO/IEC/IEEE standard.
* IEEE 802.1CS passed its FDIS ballot in June, while IEEE 802.1CBdb and IEEE 802.1CBcv passed pre-ballots that month.
* IEEE 802.1AEcu and IEEE 802.1AEdh will close their pre-ballots later this month, while IEEE 802.1AS/cor1 is in an FDIS ballot closing next month.
* IEEE 802.1Qcz is waiting publication of Q-REV, so nothing will happen to it until that happens first.
* IEEE 802.1BA-Rev passed its 60-day pre-ballot
  + but received a ‘no’ vote from the China National Body (NB)
  + with one comment about the reference to IEEE 802.1Q, which refers to IEEE 8021.X, which the China NB has repeatedly claimed to be insecure.
  + The response to the China NB comment notes the tenuous connection between IEEE 802.1BA-Rev and those other standards.
* IEEE 802.1ACct also received a ‘no’ vote from the China NB with one comment.
  + This amendment itself doesn’
* t have any of the security issues, but it’s painted with a broad brush in the comment. IEEE 802.1AEdk, IEEE 802f, and IEEE 802.1Qcw are going to Standards Association ballots, so they will be sent to SC 6 for information at that point.

### 802.3

* IEEE 802.3 saw IEEE 802.3cr and IEEE 802.3cu pass FDIS ballots last month.
* IEEE 802.3ct, IEEE 802.3cv, and IEEE 802.3cp are all in FDIS ballots closing in September.
* IEEE 802.3-REV is approved for IEEE publication.
  + After that happens and the various IEEE 802.3 amendments that are going through ballot have been approved, then IEEE 802.3-REV will be submitted into the ballot process.

### 802.11

* Regarding IEEE 802.11 standards, IEEE SA staff remain in dialogue with ISO about the IPR issues that are holding up SC 6 approval of IEEE 802.11ax, IEEE 802.11ay, and IEEE 802.11ba.
  + More information may be available out of the September ISO Council meeting. I
* EEE 802.11-2020 passed its FDIS ballot with a negative vote from the China NB (security) and the Japan NB (IPR issues).
  + There are negative Letters of Assurance on IEEE 802.11ah, IEEE 802.11ai, and IEEE 802.11aj (all of which are incorporated into IEEE 802.11-2020).
    - None of those three amendments saw questions about their IPR when they were individually balloted by SC 6.
  + The China NB submitted 18 comments against IEEE 802.11-2020.
    - Draft responses to those comments are found in 11-22/0956r01.
    - Dan Harkins (HPE) will verify whether all of the references to IEEE 802.11 standards include “Std” when we refer to them in the response.
    - The group wordsmithed the responses, which will be posted as 11-22/0956r02.
    - A motion to approve using that document as the basis for a response to the China NB’s comments was made by Joseph Levy (InterDigital) and seconded by Dan Harkins.
    - The motion was approved by unanimous consent.

### 802.15

* IEEE 802.15 has a large number of documents that could be submitted through the PSDO process.
  + To date, that has not happened, but the WG has expressed interest and is deliberating which documents should be submitted.
  + There’s a concern of overwhelming SC 6 with a raft of documents all at once.
  + Clint Powell (Meta, IEEE 802.15 chair) will be working on getting standards submitted for initial, informational purposes.

### 802.19

* IEEE 802.19 has nothing in the process.

### 802.22

* IEEE 802.22-2019 has been published as an ISO/IEC/IEEE standard, but a response to the China NB on the FDIS ballot needs to be sent.
  + A motion to the IEEE 802 EC to liaise the response in 11-22/0806r02 was made Peter Yee and seconded by Dan Harkins.
  + The motion was approved by unanimous consent.

### SC6

* SC 6 held a virtual plenary meeting in late June/early July.
  + An IEEE 802 liaison report (ec-22-0103-06) was submitted as the IEEE 802 status.
  + The report will be made even more informative going forward based on feedback from SC 6/WG 1.
* An NP ballot for narrowband in field area network for smart grid failed due to a lack of participating expert.
  + Nonetheless, Andrew Myles will ensure this state is captured and perhaps alert Tim Godfrey (EPRI, IEEE 802.24 chair) about what’s going on.
* SC 6 approved the creation of an SC 6 Advisory Group on MCS (Modulation and Coding Scheme) Innovation to spend up to 3 years in study of improved MCS efficiency.
  + At most, IEEE 802 should monitor this activity.
* WG 7 has now sent its two Wireless LAN Access Control to CD ballot.
  + Those were successful, so those specifications will now be sent to DIS ballot.
* SC 6 plans to meet face-to-face in March 2023 in Austria.

### Adjournment

* The meeting was adjourned at 5:34 p.m. EDT.