**IEEE Communications Society Standards Development Board (COM/SDB)**

**Minutes**

Friday 27 July 2018, 10AM Eastern time

WebEx Call

1. **Call to Order**

This meeting was called to order by the Chair at 10:04 EDT

1. **Roll Call, Voting status of the members, and Establish Quorum**

With 7 voting members in attendance, quorum (5) is met. Two other participants also attended, for a total of 9 in this meeting. Details are provided in the following chart:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Voting Members** | **Attendance** | **Voting Status** | **Affiliations** | **Standards Participation** |
| Tarek El-Bawab (Chair) | X | X | * Jackson State University * Chair, IEEE COM/SDB | * None |
| Oliver Holland (Vice-Chair) |  | X | * King’s College London * Member, IEEE COM/SDB * Chair, IEEE COM/MobiNet Standards Committee * Chair, IEEE DYSPAN Standards Committee * Board Member, Whitespace alliance | * Chair, IEEE 1918.1 * Chair, IEEE 1900.6, * Vice-Chair, IEEE 802.22 * Vice-Chair, IEEE 1900.1 * Vice-Chair, IEEE 1900.7 * Vice-Chair, IEEE 802.22.3 |
| Earl McCune (Secretary) | X | X | * Professor, TU Delft * CTO, Eridan Communications * Member, IEEE COM/SDB * Vice-Chair, COM/GreenICT SC * IEEE Green-ICT Initiative Steering Committee * SSCS representative, IEEE 5G Initiative Standards subcommittee | * Chair, IEEE P1923.1, P1924.1 |
| Alex Gelman (Treasurer) | X | X | * CTO, NETovations, LLC - consulting, no standards representation, no direct standards activities * Chair, IEEE AccessCore-SC * Member, IEEE CSS42 (representing ComSoc) * Member and Acting Treasurer, IEEE COM/SDB * Member, IEEE ComSoc Standardization Programs Development Board, primary responsibility: RRSA * Co-Chair, Standards Working Group, IEEE 5G and Beyond Initiative * Vice Chair, IEEE-TA SPC Subcommittee on Standards (representing ComSoc) * Member, IEEE-TA Conferences Committee (representing IEEE-SA) * Member of Steering committee, IEEE Communications Standards Magazine | * No standards participation * No involvement with other IEEE Standards or Standards-related Activities * No involvement with non-IEEE Standards or Standards-related Activities |
| Mehmet Ulema | X | X | * Professor, Manhattan College, New York * Member, IEEE COM/SDB * Member, IEEE SASB * Member, IEEE-SA RevCom * Member, IEEE-SA AudCom * Chair, COM/NetSoft SC | * Chair, IEEE 1903 NGSON WG |
| Jean-Philippe Faure “JP” |  | X | * CEO, Progilon (Representing Panasonic in IEEE activities) * Chair, IEEE-SA SASB * Member, IEEE COM/SDB * Chair, IEEE COM/PLC | * Chair, IEEE P1901 * Chair P1901.3 |
| Jaafar Elmirghani | X | X | * University of Leeds * Member, IEEE COM/SDB * Chair, COM/GreenICT SC * IEEE GreenICT Initiative | * Chair, IEEE EEICT * Chair, IEEE P1925.1, P1926.1, P1927.1, P1928.1, P1929.1 * Member of IEEE 1922.1, 1922.2, 1923.1, 1924.1 |
| Zach Huhn | X | X | * Venturesmarter * Member, IEEE COM/SDB | * P2784 WG Chair |
| Rob Fish |  | X | * President, NETovations Group, LLC * Princeton University * Member, IEEE COM/SDB * President-elect and a member of the BoG of the IEEE Standards Association | * Chair, SC on Edge Cloud |
|  |  |  |  |  |
| **Advisory Members** | | |  |  |
|  |  |  |  |  |
| **Ex Officio Member** | | |  |  |
| Stefano Galli | X | X | * Huawei Technologies (Futurewei) * Chair of ITU-T Q15/15 Working Group * ComSoc VP Industry and Standards |  |
|  |  |  |  |  |
| **IEEE-SA Staff** | | |  |  |
| Jonathan Goldberg |  | - | * IEEE-SA Program Manager | * No standards participation |
| **Other Participants** | | |  |  |
| Peter Mueller |  |  | * IBM Research * SDN Coordinator, ComSoc Industry Communities Board |  |
| Adam Greenberg | X |  | * ComSoc Technical Activities & Industry Outreach Director | * No standards participation |

1. **Approval of Agenda (DECISION)**

Proposal to delete special mention of Frugal 5G since this is already within MobiNet

Motion to approve as amended: Earl Second: Mehmet Approved by acclamation

1. **Approval of the COM/SDB Minutes of the last meeting (DECISION)**
   1. **Minutes of May meeting (in Kansas City)**

Motion to approve: Alex Second: Stefano Approved by acclamation

* 1. **Records of June meeting (no quorum)**

Motion to approve: Earl Second: Stefano Approved by acclamation

1. **Old and Unfinished Business**

This item is to be removed from future agendas, directed from the Chair

1. **Reports**
   1. **Reports from ComSoc Standards Committees**

* **DySPAN (Nicholas)**
* Submittal of Revision PAR for P1900.2, New PAR for P1900.1 including PAR extension request, and P1900.6b.
* **MobiNet (Nicholas)**
* Pending discussion on decision regarding new PAR. Proposed, but not yet voted on
* **PLC: no report at this meeting**
* **NetSoft (Mehmet)**
* Slow for the past few months
* 1903 WG is no longer active (10 years old)
* 1913 WG is proceeding, and holding regular meetings
* 1915 WG having problems getting contributions, working to increase participation
* 1916 WG held F2F meeting in June, in Montreal
* 1917 WG is dormant, trying to revive
* 1921 WG bootstrap attempt, needs participants. Planning a F2F in September
* 1930.1 WG is proceeding
* **GreenICT (Jaafar)**
* The GreenICT-SC’s last meeting was on the 18th July 2018 and the next scheduled one will be on 16th August 2018. There are three working group sponsored by the GreenICT SC as follows:

* GICT Emissions WG, Chaired by Mohamed Cheriet: responsible for developing the following 2 standards:

1- 1922.1 – Standard for a method for calculating anticipated emissions caused by virtual machine migration and placement: The purpose of this standard is to assess anticipated emissions caused by a virtual machine migration and placement prior to migration accomplishment.

2- 1922.2 – Standard for a method to calculate near real-time emissions of information and communication technology infrastructure: The purpose of this standard is to enable near real-time assessment of ICT infrastructure use phase emissions by taking into account temporal variations of emissions related to electricity generation.

* Still working on 1922.2, The last two Task Force meetings were on 8th June and 13th July 2018 and now working on finishing the template text by end of August, to review on September. Another meeting end of August to revise progress. Planning to end working on the standard by end of the year.

* **EECH – Energy Efficient Communications Hardware**
* Working Group Chair: Earl McCune
* Responsible for the following 2 standards:

1- 1923.1 – Standard for computation of energy efficiency upper bound for apparatus processing communication signal waveforms

2- 1924.1 – Recommended practice for developing energy efficient power-proportional digital architectures

Continuing meetings on bi-weekly basis focusing on 1923.1, and in full draft activity mode. Last meetings were on 13th June, 27 June and 11th July 2018. Next meeting will be in August to have 1923.1 draft ready for discussion.

* **Energy Efficient ICT**
* Working Group Chair: Jaafar M.H. Elmirghani
* Active standards Managed by this Working Group
* Standards:

1- 1925.1 – Standard for Energy Efficient Dynamic Line Rate Transmission System

2- 1926.1 – Standard for a Functional Architecture of Distributed Energy Efficient Big Data Processing

3- 1927.1 – Standard for Services Provided by the Energy-efficient Orchestration and Management of Virtualized Distributed Data Centers Interconnected by a Virtualized Network

4- 1928.1 – Standard for a Mechanism for Energy Efficient Virtual Machine Placement

5- 1929.1 – An Architectural Framework for Energy Efficient Content Distribution

* Currently all the 5 standards are worked on in parallel. Last two WG meetings were held on 19th June and 17th July 2018 and the next is on 21st August 2018. All 5 subgroups are developing their drafts for the standards and currently adding members, an initial first draft version of each standard is being written and refined.
* **EdgeCloud: Rob is unable to attend this meeting. The following was emailed to the Secretary 3 days ago (24 July)**

Status:

P1934 should be published as IEEE 1934 this month.

P1935 will probably have a meeting at beginning of August with participants from Open Fog Consortium

P1912 is having a change of leadership, but needs to convene a meeting to formalize

* **AccessCore (Alex)**
* 1910 WG is moving slow, and the PAR has been extended
* 1911 is being allowed to expire
* 1904 WG is working on three tracks
  1. **Reports from Working Group and Study Group Chairs**
* **CEA:** To go inactive as it is now 10 years old. The following email was received by the Chair

All,

661 should go inactive. It is a legacy standard.

John

* **~~SG on Frugal 5G~~**
* **Smart Cities Working Group (Zack)**
* Tactical committee is reconvening, engaging outside groups
* In particular, government people are doing this
* May need technical author help – lots of items are involved
* Slow, but steady

**6.3 Treasurer report (Alex)**

Waiting for a wire transfer of $400

1. **P&P update discussion for COM/SDB (Current P&Ps expire end of 2018)**

Progress is effectively nil, so this needs a new approach. Per our agreement in this meeting, each Board Member will take up a Section of the new IEEE Template to start to work in:

<https://docs.google.com/document/d/1sIVUxGgdkhyljKpLqVl_afOD8seBNEfzduNXTaNvg6k>

Per the agreement, also, the Chair will to assign parts/sections (there are 9 of them). An email will be sent to solicit interests in different parts to make the assignments as convenient as possible to as many of us as possible (this won’t be a perfect fit of course). Please, have a look at the link and let me know of your preferences. We'll do this on a first-come-first-served basis, and I will assign on my own for members who won't pick up any specific section.

Please, note that the IEEE Template is our baseline in that certain parts of it are not going to be edited. In this first run, everybody will work (edit) only the section assigned to him … just at this first stage of course.

1. **New Business:** none
2. **Next Meeting: regular schedule is for Friday 31 August, 10 AM to 11AM Eastern time**
3. **Adjournment**

Meeting adjourned at 10:59 as declared by the Chair as the agenda is completed.