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

**Approved Minutes**

Monday, May 23, 2016, 09:00 AM (GMT+8) – 11:00 AM (GMT+8)

**Venue: Room-Citrine, Mandarin Hotel, Kuala Lumpur, Malaysia**

**Teleconference via WebEx**

1. **Call to Order**

Prof. Mehmet (Chair) called the meeting to order at 09:05 AM (GMT+8) and reminded participants about IEEE Standards and the Law <http://standards.ieee.org/develop/policies/stdslaw.pdf>, and to declare or update their affiliations and standards activities listed in the Roll Call.

1. **Roll Call and Establish Quorum**

Chair conducted the roll call with 5 voting members present: Quorum is achieved.

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| --- | --- | --- | --- | --- |
| **Voting Members** | **Attendance** | **Voting Status** | **Affiliations** | **Standards Participation** |
| Mehmet Ulema (Chair) | X | X | * Professor, Manhattan College * Director, Standards Development Board, IEEE ComSoc * Chair, IEEE COM/SDB * Advisory Member, IEEE COM/SPDB * Member, IEEE SASB * Member, IEEE-SA RevCom * Member, IEEE-SA AudCom | * Chair, IEEE P1903.1, P1903.2, P1903.3 * Chair, IEEE 1903 WG |
| Glen Kramer (Vice-Chair, Treasurer) | X | X | * Technical Director, Broadcom Ltd. * Vice-Chair & Treasurer, IEEE COM/SDB | * Chair, IEEE 1904 WG |
| Niranth Amogh (Secretary) | X | X | * Principal Researcher, Huawei * Secretary, IEEE COM/SDB | * IEEE P1903.1, P1903.2, P1903.3 * Vice-Chair, GISFI CSeON WG * TSDSI * 3GPP SA6 |
| Brian Daly |  | X | * Director, AT&T * Member, IEEE COM/SDB | * 3GPP * ATIS * 4G Americas * Next Gen Mobile Network Alliance * IEEE 802 |
| Jean-Philippe Faure “JP” |  |  | * CEO, Progilon (Representing Panasonic in IEEE activities) * Chair, IEEE-SA SASB * Member, IEEE COM/SDB * Chair, IEEE COM/PLC | * Chair, IEEE P1901 * IEEE P1905.1 |
| Hiroshi Harada | X | X | * Director, Smart Wireless Laboratory, NICT * Co-Founder, Wi-SUN Alliance   + Co-Chair, Board   + Chair, ECHONET WG * Board, WhiteSpace Alliance * Board of Directors, Wireless Innovation Forum (SDR Forum) * Visiting Professor, University of Electro-Communications * Chair, IEEE COM/DySPAN-SC * Member, IEEE COM/SDB * Professor, Kyoto University | * Vice Chair, IEEE 1900.4, 802.15.4g, 802.15.4m * Vice Chair, TIA TR-51 * Chair, Public Broadband Mobile Communication Development Committee, ARIB |
| Chih-Lin I | X | X | * Chief Scientist, Wireless, CMCC * Member, IEEE COM/SDB * Member, IEEE ComSoc SPC | * IEEE P1914 * 3GPP |
| Jon Rosdahl |  | X | * Engineer, Senior Staff, Qualcomm Technologies, Inc. * Member, IEEE COM/SDB | * Executive Secretary, IEEE 802 * Vice Chair & Treasurer, IEEE 802.11 * Vice Chair/Secretary, IEEE 802.11 REVmc TG |
| Ariel Sobelman |  | X | * Valens Semiconductor * HDBaseT Alliance * Member, IEEE COM/SDB * Member, IEEE CAG | * Chair, IEEE 1911 |
| **Advisory Members** | | |  |  |
| Alex Gelman | X | - | * CTO, NETovations Group, LLC * Director and Chair, Standardization Programs Development Board, IEEE ComSoc * Advisory Member, IEEE COM/SDB * Member, IEEE SCC42 Transportation * Member, IEEE Sensors Council Standards Committee | * No standards participation |
| Kevin Lu | X | - | * Adjunct Professor, Stevens * Advisory Member, IEEE COM/SDB * Vice-Chair, IEEE COM/SPDB * Member, IEEE-SA NesCom * Member, IEEE SASB * Member , IEEE-SA ICCom * Member, IEEE SCC42 Transportation | * No standards participation |
| Curtis Siller |  | - | * Enginnovation * Advisory Member, IEEE COM/SDB * Member, IEEE ComSoc Governance Committee * Member, IEEE ComSoc ad hoc Fellow Evaluation Committee * Director, IEEE ComSoc Sister and Related Societies * Corresponding member to IEEE History Committee, on behalf of (but NOT member of) PSPB | * No standards participation |
| **Ex Officio Member** | | |  |  |
| Rob Fish | X | - | * President, NETovations Group, LLC * VP, Industry and Standards, IEEE ComSoc * Princeton University * Ex-Officio Member, IEEE COM/SDB * Member, IEEE Conferences Committee | * No standards participation |
| **IEEE SA Staff Support** | | |  |  |
| Brenda Mancuso |  | - | * Client Services Manager, IEEE-SA | * No standards participation |
| Jonathan Goldberg |  | - | * Client Services Manager, IEEE-SA | * No standards participation |
|  |  |  |  |  |
| **Other Participants** | | |  |  |
| Anton Kaska | X | - | * Borealis Traders of New England | * Chair IEEE P1915.1 |
| Jinri Huang | X | - | * CMCC | * Chair IEEE 1914 * IEEE 1904 |
| Adam Greenberg | X | - | * Director, IEEE ComSoc Technical activities | * No standards participation |
| Mohammad Asad | X |  | * Soptomizer | * IEEE P1916.1 |
| **ComSoc TC Liaisons** | | |  |  |
| Aman Singh | X | - | * Palindrome Technologies Inc | * IEEE P1915 |
|  |  |  |  |  |

Appendix A provides a list of Liaisons (or Chair if there is no designated standards liaison) from ComSoc Technical Committees and Emerging Technical Subcommittees.

1. **[DECISION] Approval of Agenda**

* Chair presented the Agenda for the meeting.
* **[Motion]** “Approve the Agenda” - Niranth moved and Glen seconded.

**[Result] APPROVED** by acclamation as there were no objections.

1. **[DECISION] Approval of the COM/SDB Minutes of the last meeting**

* Chair presented the Agenda for the meeting.
* **[Motion]** “Approve the COM/SDB 19-Apr’16 minutes” - Niranth moved and Rob seconded.

**[Result] APPROVED** by acclamation as there were no objections.

1. **[INFORMATION] Reports**
   1. **Chair**
      1. Membership and Voting status of the members

* More member participation from TC Liaisons is encouraged.
* Chair will talk to Heiner to encourage standards participation from SIGs
  + 1. Report on IEEE SASB meetings
* Next meeting of the SASB will be on the last week of June in Berlin.
  + 1. Report on Ad hoc groups
* OPS manual ad hoc group is active. 1st draft is being reviewed.
  + 1. Others
* Chair will appoint a new ad hoc group to propose a new structure for COM/SDB to facilitate the oversee of WGs.
  1. **Financial Report**
* There was no financial report due to the difficulties in transitioning the treasurer function to the new treasurer.
  1. **Reports from Working Group Chairs**
* **1652 Communication Electroacoustics:**

P1652a draft standard public review is concluded.

* **1903 NGSON - P1903.1/P1903.2/P1903.3:**

WG completed its draft standards (P1903.1, P1903.2 and P1903.3) that are available for sponsor ballot.

* **1904 Access Networks – P1904.1 rev, P1904.2, P1904.3:**

P1904.1 rev review in progress within the working group ballot

P1904.2 will provide a revised scope in a PAR revision.

The WG approved moving P1904.3 to 1914 WG for better alignment.

* **1908.1 Indic Virtual Keyboards:**

WG is not active. Further proposal required to decide on this WG status. (Action: Niranth)

* **1910 Loop-Free Switching and Routing - 1910.1**

No report was available.

* **1911 HDBT5 – 1911.1, 1911.2, 1911.3**

No report was available.

* **1912 Privacy and Security Architecture for Consumer Wireless Devices**

No report was available.

* **NGFI – P1914.1**

The WG met at F2F met in San Jose in May. Well participated. 45 attendees.

An adhoc group is formed for reviewing WG P&Ps.

Scope and architecture requirements were discussed further.

Next meeting is in August.

* **SVE – P1915.1**

Technical work is in progress.

* **PVE – P1916.1**

Met in May.

P&P was approved. Officers were appointed.

Technical work is in progress. Debate going on modeling.

* **RVE – P1917.1**

Technical work is in progress

* **1918 Tactile Internet**

Will meet F2F in Malaysia in May 28

Making progress to approve their P&P

* **1920 Arial Communications**

Preparing for the meeting in Jun’16

* **1913 Software Defined Quantum Communications**

Technical work is in progress

* **2410 BOP**

Completed the publication of the standard approved by IEEE SASB

WG has requested for change in primary sponsor.

* 1. **Reports from ComSoc Standards Committee**
* DySPAN
* 1900.1, 1900.5, 1900.6, and 1900.7 are actively working
* 1900.1: Standard Definitions and Concepts for Dynamic Spectrum Access: Terminology Relating to Emerging Wireless Networks, System Functionality, and Spectrum Management,

Status: Still under preparation of revision document by reflecting new words related to Dyspan.

* 1900.5: Standard on Policy Language and Policy Architectures for Managing Cognitive Radio for Dynamic Spectrum Access Applications
* Status: P1900.5.1 and 5.2 are actively working.
* 1900.5.1 is a standard about Standard Policy Language for Dynamic Spectrum Access Systems and 1900.5.2 is a standard about Standard Method for Modeling Spectrum Consumption.
* Status: 1900.5.1 is still under draft preparation. 1900.5.2 is currently sponsor ballot stage.
* 1900.6: Standard on interfaces and data structures for exchanging spectrum sensing information for dynamic spectrum access systems

Status: P1900.6b is actively working.

* 1900.6b is a standard about Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic Spectrum Access and other Advanced Radio Communication Systems. Spectrum Database Interfaces Amendment.

Status: 1900.6b is still under draft preparation.

* -1900.7: Radio Interface for White Space Dynamic Spectrum Access Radio Systems supporting fixed and mobile operation

Status: New project is under preparation. That is related to MAC layer.

* -In the Dyspan-sc, Hiroshi Harada and Oliver Holland were elected as chair and vice chair of IEEE Dyspan-SC in 2016. So far the position of secretary is stil open.
* So far no issue in the above WGs and management of IEEE Dyspan-SC PLC
  1. **CAG Report**
* Open Source Ad Hoc is making slow progress. Not clear when a plan will be produced.

1. **Old and Unfinished Business**
   1. **None**
2. **New Business**
   1. **Approval of SDN Bootstrapping PAR P1921.1 (DECISION)**

* Scope requires update.
* Entity names are required.
* Feedback to be provided to Christian Jacquenet
* Deferred to the next meeting.
  1. **Approval for moving P1904.3 to NGFI WG (DECISION)**
* **[Motion] “Approve transfer of P1904.3 to 1914 (NGFI) WG” - Glen moved and Chih Lin seconded.**

**[Result] APPROVED by general acclamation as there are no objections**

* 1. **Approval of P1913 P&P (DECISION)**
* **[Motion] “Approve P1913 P&P conditionally subject to addressing the comments provided in the minutes” - Alex moved and Rob seconded.**

**[Result] APPROVED by general acclamation as there are no objections**

1. **Adjournment**

* **Since all the items on agenda were completed, there was no need for a motion to adjourn.**
* Chair thanked everyone for participating in the meeting and adjourned the meeting at 11:00 AM GMT+8.

**Appendix A: ComSoc Technical Committee and Subcommittee Liaisons**

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| **Technical Committee** | **Liaison** | **Affiliation** |
| Ad Hoc & Sensor Networks | R. Venkatesha Prasad | TU Delft |
| Cognitive Networks | Mouli Chandramouli | Stevens |
| Communications & Information Security | Neeli Prasad | Aalborg University |
| Communications Quality & Reliability | Hideaki Yoshino | NTT |
| Communications Software | Jaime Lloret Mauri | Polytechnic University of Valencia |
| Communications Switching & Routing | Henry Suthon | Barrios Technology |
| Communications Systems Integration & Modeling | Harry (Charalabos) Skianis | U Aegean |
| Communication Theory | Sana Sfar | HKUST |
| Computer Communications | R. Venkatesha Prasad | TU Delft |
| Data Storage | Tiffany Jing Li | Lehigh |
| e-Health | Hsi-Pin Ma | National Tsing Hua University |
| High-Speed Networking | Gumaste Ashwin | IIT/MIT |
| Information Infrastructure & Networking | Yacine Ghamri-Doudane | ENSIIE |
| Internet | Periklis Chatzimisios | ATEITHE |
| Multimedia Communications | Ali Begen | Cisco |
| Network Operations & Management | Marcus Brunner | NEC Europe |
| Optical Networking | Josué Kuri | Infinera |
| Power Line Communications | Haniph Latchman | U Florida |
| Radio Communications | George Chrisikos | Qualcomm |
| Satellite & Space Communications | Igor Bisio | University of Genoa |
| Signal Processing & Communications Electronics | Rath Vannithamby | Intel |
| Transmission, Access, & Optical Systems | Frank Effenberger | Huawei |
| Wireless Communications | Sumei Sun | Institute for Infocomm Research |
| **Emerging Technical Subcommittee** |  |  |
| Applications of Nanotechnologies in Communications | Dilip Krishnaswamy | Qualcomm |
| Autonomic Communications | Spyros Denazis | University of Patras |
| Cable Networks & Services | Mehmet Toy | Comcast |
| Cloud Communications & Networking | Masum Z. Hasan | Cisco |
| Green Communications and Computing | Jinsong Wu  Shengjie Zhao | Alcatel-Lucent  Tongji University, China |
| Human Centric Communications | John Buford | Avaya |
| Innovation and Standards in Information and Communication Technologies (ISICT) | SM Hasan | GE |
| Integrated Fiber & Wireless Technologies | Steve Weinstein | CTTC |
| Internet of Things | Latif Ladid | IPv6 Forum |
| Nano-Scale, Molecular, and Quantum Networking | Andrew Eckford | York University |
| Peer-to-Peer Networking | John Buford | Avaya |
| Situation Management | Gabe Jakobson | Altusys |
| Smart Grid Communications | Petar Popovski | Aalborg University |
| Social Networks | Kwang-Cheng Chen | National Taiwan University |
| Vehicular Networks & Telematics Applications (VNTA) | T. Russell Hsing | National Chiao Tung University |