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

**Approved Minutes**

Friday, June 24, 2016, 10:00 AM EDT – 12:00 PM EDT

**Teleconference via WebEx**

1. **Call to Order**

Prof. Mehmet (Chair) called the meeting to order at 10:05 AM EDT 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 6 voting members present: Quorum is achieved.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | X | * Director, AT&T
* Member, IEEE COM/SDB
 | * 3GPP
* ATIS
* 4G Americas
* Next Gen Mobile Network Alliance
* IEEE 802
 |
| 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
* IEEE P1905.1
 |
| Hiroshi Harada |  | 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 | * Chief Scientist, Wireless, CMCC
* Member, IEEE COM/SDB
* Member, IEEE ComSoc SPC
 | * IEEE P1914
* 3GPP
 |
| Jon Rosdahl | X | 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 |  | - | * 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 | X | - | * Client Services Manager, IEEE-SA
 | * No standards participation
 |
| Jonathan Goldberg | X | - | * Manager, IEEE-SA, Operational Program Management
 | * No standards participation
 |
| Natasha Alvarado | X |  | * Project Associate, IEEE SA
 | * No standards participation
 |
| **Other Participants** |  |  |
| Jinri Huang | X | - | * CMCC
 | * Chair IEEE 1914
* IEEE 1904
 |
| Mohammad Asad | X | - | * Soptomizer
 | * Chair IEEE 1916.1 WG
* IEEE P2301
 |
| Lillie Coney | X | - | * U.S. House of Representatives
* Bruce Corporation
 | * Chari IEEE 1912 WG
 |
| John Bareham | X | - | * Self
 | * Chair, Communication Electroacoustics WG
 |
| **ComSoc TC Liaisons** |  |  |
| Aman Singh | X | - | * Palindrome Technologies Inc
 | * IEEE P1915
* IEEE P1916
 |

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 Brian 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 23-May’16 minutes” - Niranth moved and Brian seconded.

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

1. **[INFORMATION] Reports**
	1. **Chair**
		1. Membership and Voting status of the members
* Reminder to adhere to COM/SDB policies and procedures.
	+ 1. Report on IEEE SASB meetings
* PAR 1914.3 and PAR 2410rev will be on NesCom agenda.
	+ 1. Report on Ad hoc groups
* OPS manual draft to be available by 15-Jul’16.
	+ 1. Others
* New PAR proposals and Rapid reaction standardization meetings are expected. (e.g. Green ICT, 5G)
	1. **Financial Report**
* Transitioning the treasurer function to the new treasurer is complete.

Glen takes over the Chair responsibility temporarily from Prof. Mehmet.

* 1. **Reports from Working Group Chairs**
* **1652 Communication Electroacoustics:**

Final P1652a draft standard is submitted to RevCom

269 PAR is in progress

Teleconferences are being held bi-weekly.

F2F meeting conducted in May (Santa Cruz). Next F2F meeting is planned in July.

* **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.

Sponsor ballot to be initiated in 1st week of Jul’16

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

P1904.1 rev – comments are received and sponsor ballot will be created soon.

P1904.2 – Scope will be narrowed..

P1904.3 – Draft version 1.1 will be available and will be transferred to 1914 WG.

* **1908.1 Indic Virtual Keyboards:**

WG is not active. Further proposal required to decide on this WG status. (Action: Niranth – Connect with Chair or a decision item should be posted to next Board meeting.)

Prof. Mehmet assumes the Chair.

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

Report was received.

Last meeting held during Feb’16. Next meeting during Aug’16. F2F to be co-located with GLOBECOM 2016

WG is making technical progress

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

P1911.1 and P1911.2 Ballot group formation was initiated.

P1911.3 – No update (Action: Chair to contact the WG chair and receive update)

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

Outline is in progress

Meetings are being conducted periodically.

Next F2F in Jan 2017.

* **1913 Software Defined Quantum Communications**

Report was received.

Meeting was held during 16-May’16.

WG is making technical progress and the P&Ps are being prepared.

* **NGFI – P1914.1**

Teleconference was conducted.

Operational manual is being completed.

Liaisons are sent to external SDOs.

F2F meeting will be organized in Denmark during August 2016.

WG is very active.

* **SVE – P1915.1**

Next meeting in planned in Jul’16

* **PVE – P1916.1**

P&P was approved. Officers were appointed.

Technical work is in progress. Debate going on modeling.

* **RVE – P1917.1**

First meeting is being planned.

* **1918 Tactile Internet**

Making progress to approve their P&P

Meeting was held during May 2016.

Teleconference is planned during Jun 2016

* **1920 Aerial Communications**

Preparing for the meeting in Jun’16

* **2410 BOP**

Completed the publication of the standard approved by IEEE SASB

WG has requested for change in primary sponsor.

* **2413 IoT Framework**

Adding 2413 to this list for receiving regular updates.

2413 WG chair should be part of the mailing group - COM-SDB-GRPS.

* 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
* PLC

- 2030.5 – Energy profile project is under revision.

- Following the updates on 2413 WG.

- Other standards are in maintenance. Some discussions are in progress about necessary amendments.

* 1. **CAG Report**
* Open Source Ad Hoc is making slow progress. Not clear when a plan will be produced. Licensing models are being discussed.
1. **Old and Unfinished Business**
	1. **Approval of SDN Bootstrapping PAR P1921.1 (DECISION)**
* **[Motion] “Approve the PAR P1921.1 as described in the file PAR\_SDN\_Bootstrapping\_Orange\_June\_2016\_v03.pdf” - JP moved and Glen seconded.**

 Discussion: The board was not sure whether v03 was the latest. The myproject needs to be updated.

 **[Motion] “Table the above motion” - Jon moved and Glen seconded.**

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

**[Result] Motion is tabled.**

* 1. **Approval of P2410 Revision (DECISION)**
* **[Motion] “Approve P2410 revision PAR subjected to removing the text in subclause 8.1” - Jon moved and JP seconded.**

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

1. **New Business**
	1. **Approval of 1914 P&P (DECISION)**
* **[Motion] “Approve the 1914 P&P as described in file: IEEE 1914 PP\_rev24Jun.doc, which is a revision in the meeting” - Glen moved and Niranth 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 12:00 PM EDT.

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

|  |  |  |
| --- | --- | --- |
| **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 WuShengjie Zhao | Alcatel-LucentTongji 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 |