Meeting started at 11:00 am.

Jon Rosdahl, IEEE 802 Executive Secretary gave welcoming comments and introductions.

Bilal Jamoussi, Chief, Study Groups Department, Telecommunication Standardization Bureau, ITU-T, welcomed everyone. Jamoussi presented the following slides.
Agenda

- ITU Overview
- IEEE-ITU Collaboration
- Meeting Facilities

Committed to connecting the world
ITU: UN Agency for ICTs

Committed to connecting the world

ITU: enabling communication since 1865

1865 2015

Committed to connecting the world
ITU truly International and has Global presence

760 Staff from 80 Countries
6 UN Official Languages: Arabic, Chinese, English, French, Russian, Spanish
Headquarters in Geneva with Liaison Office in New York
Regional offices in Addis Ababa, Bangkok, Brasilia, Cairo
Area offices in Bridgetown, Dakar, Harare, Jakarta, Moscow, Santiago, Tegucigalpa, Yaoundé
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ITU: a unique Membership

193 Governments
(Member States and regulatory bodies)

700 Private Sector
60 Universities
Business associations
International organizations
NGOs
Committed to connecting the world
ITU has three core areas of activity

**Radiocommunication**
*ITU-R*

**Standardization**
*ITU-T*

**Development**
*ITU-D*

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**Inter-sectoral activities**

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**ITU-wide Activities**

- Accessibility
- Emergency Telecommunications
- Cybersecurity

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ITU-T’s strategic goals

- To develop interoperable, non-discriminatory international standards (ITU-T Recommendations)
- To assist in bridging the standardization gap between developed and developing countries
- To extend and facilitate international cooperation among international, regional and national standardization bodies

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ITU-T Study Groups

- SG2 Operational aspects
- SG3 Economic and policy issues
- SG5 Environment and climate change
- SG9 Broadband cable and TV
- SG11 Protocols and test specifications
- SG12 Performance, QoS and QoE
- SG13 Future networks
- SG15 Transport and access
- SG16 Multimedia
- SG17 Security

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Good Collaboration

- IEEE-SA Sector Membership in ITU-R, T, and D
  - Participation in ITU Conferences and Meetings
- IEEE ComSoc/ITU-T MOU on Kaleidoscope
- Continuing joint cooperation between IEEE and ITU-R
  - Harmonization of standards for short range devices, implementation of and use of cognitive radio systems, and technical specifications for WiFi and broadband wireless access.
  - Economies of scale; improve spectrum use efficiency while ensuring the protection of other radiocommunication services.
  - Preparatory studies for the updating of the ITU Radio Regulations by the 193 ITU Member States at World Radiocommunication Conferences according to the conference agenda
- Joint IEEE 802/ITU workshops since 2007
  - Aligned Carrier Ethernet / Transport Standards (e.g., OAM)
- ITU hosting IEEE 802 Meeting in Geneva July 2013

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Joint ITU/IEEE Workshops

Strengthening Collaboration

- Home Networking:
  - IEEE P1905.1 and ITU-T G.hn
  - Coexistence between wired and wireless systems
- PON:
  - IEEE P1904.1 SEIPON and ITU-T G-PON
  - ITU-T A.6 (MOU?)
- Standards Education
  - IEEE SEC and ITU-T TSB Dir. AHG on Stds Edu.

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New Potential Areas of Collaboration

- E-Health (ITU-T SG16) **
- IoT (ITU-T JCA-IoT, SG13, SG16)
- M2M (FG and ITU-T SG11)
- Smart Sustainable Cities (ITU-T SG5)
- 400 Gbit/s (ITU-T SG15)
- Software Defined Networking
- Intelligent Transportation Systems

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Meeting Room Capacity

- **ITU Building**: 17 meeting rooms
  - 10-300 seats
- **Geneva International Convention Center (CICG)**
  - 20-1600 seats
- **Varembe Conference Center (CCV)**
  - 22-100 seats
World Conferences Facilities

Meeting Room Capabilities

- WiFi, Ethernet
- PCs & printers
- Screens & Projectors
- Microphones
- Headset
- Audio/Video Conferencing
- Interpretation
- e-lockers
Conformity, Interoperability, and Showcasing

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Training & Certificates

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Receptions & Networking

Summary

- An introduction to ITU
- Excellent IEEE-ITU Collaboration
- Enjoy the meeting facilities
- Have a productive meeting!
Paul Nikolich, IEEE 802 LMSC Chair thanked the ITU-T for hosting the IEEE 802 Plenary. Nikolich asked the crowd how many individuals were attending their first IEEE meeting. 22 individuals indicated that this was their first IEEE meeting.
IEEE 802 LMSC Organization

IEEE 802 Sponsor Executive Committee
Paul Nikolich, Chairman

- **IEEE 802.1**
  Bridging, Architecture Working Group
  Tony Jeffree

- **IEEE 802.3**
  Ethernet Working Group
  David Law

- **IEEE 802.11**
  Wireless LAN Working Group
  Bruce Kraemer

- **IEEE 802.15**
  Wireless Personal Area Networks Working Group
  Bob Heilie

- **IEEE 802.16**
  Broadband Wireless Access Working Group
  Roger Marks

- **IEEE 802.18**
  Radio Regulatory Technical Advisory Group
  Mike Lynch

- **IEEE 802.19**
  Coexistence Working Group
  Steve Shellhammer

- **IEEE 802.21**
  Media Independent Handoff
  Subir Das

- **IEEE 802.22**
  Wireless Regional Area Networks Working Group
  Arup Mukerji

- **IEEE 802.24**
  Tech. Adv. Group
  Smart Grid
  James Gilb

- **IEEE Exec Cmte Study Group**
  OmniRAN
  Max Riegel

Appointed Exec Comm members:
- Executive Secretary: Jon Rosdahl,
- Recording Secretary: John D'Ambrosia,
- Treasurer: Clint Chaplin,
- 1st VC: Pat Thaler
- 2nd VC: James Gilb
- Member Emeritus: Geoff Thompson

15 July 2013
Paul Nikolich

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IEEE 802 LMSC scope examples

**Wireline**
- Higher speeds
  - 400 Gb/s fiber
- P2mP over coax
  - EPoC
  - Next Gen PON
- Energy Efficiency
  - Reduce power consumption
  - Reduced pair copper
  - DC power supply
- Time sensitive
  - Guaranteed time of arrival

**Wireless**
- Higher & lower speeds
  - >1Gb/s vs <250kb/s
- Higher/lower carrier frequencies
  - Lightwave vs Terahertz vs TV white spaces
- Lower power consumption
  - Ultra Low Power
- Dynamic Spectrum Sharing
- Small Cell Backhaul
- OmniRAN
- Network Performance Measurements
- Handover Services

15 July 2013
Paul Nikolich
IEEE 802 Global Impact
Global Participation

March 2013 IEEE 802
Plenary Session, Orlando FL

USA 405
Japan 69
China, Peoples Rep 45
Korea South, Rep of 36
Germany 24
Canada 21
UK 13
z unknown 10
Singapore 10
Israel 9
Finland 8
Taiwan ROC 6
France 5
India 5
England, UK 4
Italy 4
Netherlands 3
Australia 2
Austria 2
Denmark 2
Portugal 2
Sweden 2
Belgium 1
Hungary 1
Norway 1
Scotland, UK 1
Spain 1
Switzerland 1

Total 693

15JUL2013
Paul Nikolicf
Luca Pellandini, CICG Project Manager gave an overview of meeting facilities.

Meeting adjourned at approximately noon.