

**MINUTES (Unconfirmed) IEEE 802 LMSC
IEEE 802 Opening Plenary , Revision 0**

Prepared by John D'Ambrosia, IEEE 802 Recording Secretary

Monday, July 15, 2013 – 11:00 a.m.
All times Central European Summer Time (CEST)

CICG-Room 2, CICG
Geneva, Switzerland

Agenda

- 1) ITU/802 Welcome message and introductions: Rosdahl
- 2) ITU overview presentation: Jamoussi
- 3) 802 overview presentation: Nikolich
- 4) CICG Logistics: Pellandini
- 5) Adjourn

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

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ITU: UN Agency for ICTs



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ITU : enabling communication since **1865**



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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

Business associations

International organizations

NGOs



60 Universities

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Leading Private Sector Members



ITU'S network of academia members

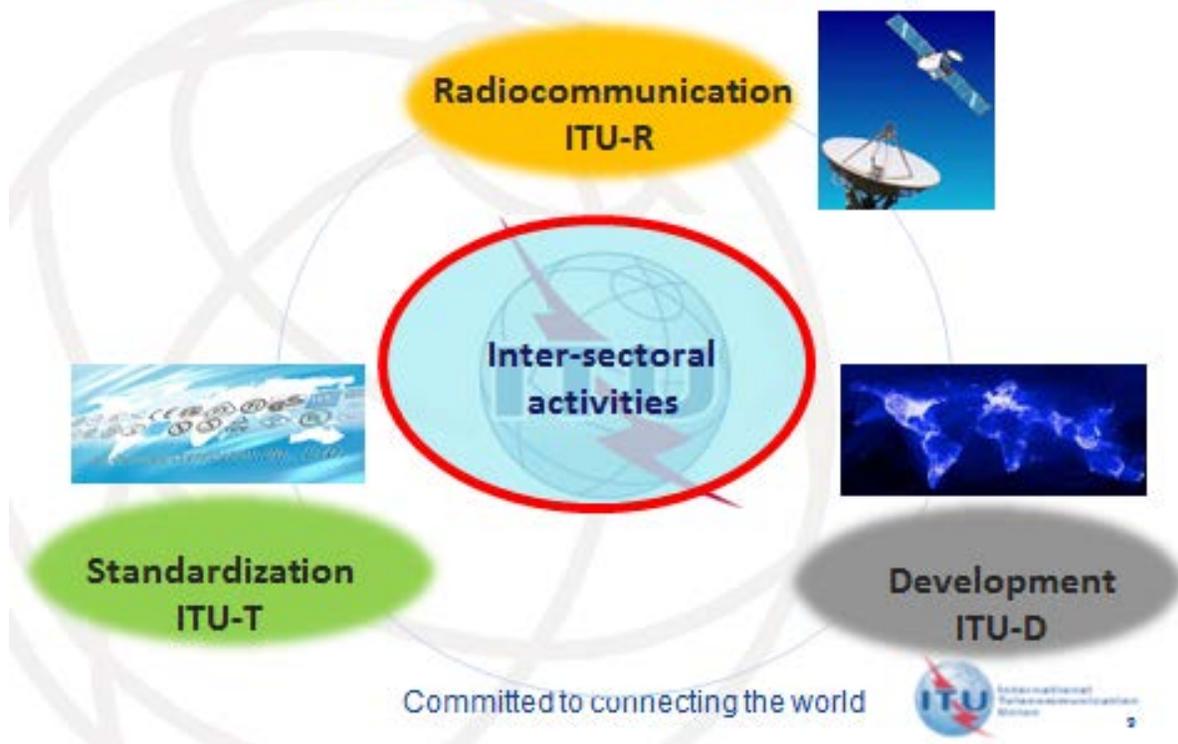


60 universities (40 ITU-T) in 39 countries

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ITU has three core areas of activity



ITU-wide Activities

This collage highlights various ITU-wide activities. It includes: "Accessibility" with an image of a person in a wheelchair using a laptop; "Emergency Telecommunications" with an image of a satellite dish being installed; "Cybersecurity" with a graphic of a diamond-shaped network; "Child Online Protection" with an image of a child on a laptop; and "ITU and climate change" with a globe icon. The "2015" logo for the World Summit on the Information Society is also present, along with the slogan "Turning targets into action". The ITU logo and the slogan "Committed to connecting the world" are at the bottom.

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



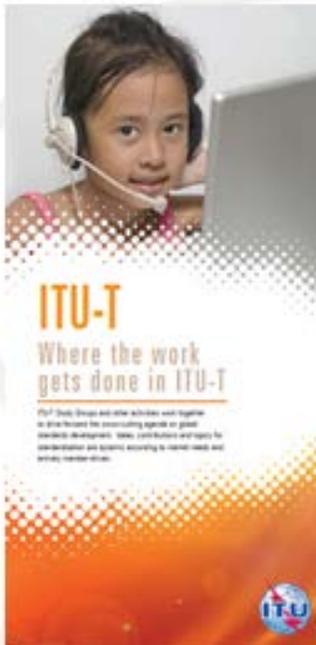
*Malcolm Johnson
TSB Director*

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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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IEEE
802

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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IEEE
802

Joint ITU/IEEE Workshops

- 2007: Joint ITU/IEEE Workshop on Carrier Class Ethernet (<http://www.itu.int/ITU-T/worksem/cce/index.html>)
- 2008 ITU/IEEE Workshop on the Next Generation Optical Access (<http://www.itu.int/ITU-T/worksem/ngoas/index.html>)
- 2009 Joint ITU-T SG13 IEEE NGSON Workshop on Overlay Networking (<http://www.itu.int/ITU-T/worksem/ovnet/index.html>)
- 2010 Joint ITU-T/IEEE Workshop on the Future of Ethernet Transport (<http://www.itu.int/ITU-T/worksem/efet/index.html>)
- 2012 Joint ITU/IEEE Workshop on Ethernet – Emerging Applications and Technology (<http://www.itu.int/ITU-T/worksem/et-2012/Workshop/Ethernet-2012-Workshop-Program-2012-07-08-09.pdf>)
- 2013 Joint ITU/IEEE Workshop on Ethernet – Protection and Synchronization (<http://www.itu.int/ITU-T/worksem/et-2013/Workshop/Ethernet-2013-Workshop-Program-2013-07-08-09.pdf>)

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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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ITU HQ in Geneva



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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

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World Conferences Facilities



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Meeting Room Capabilities

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



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Conformity, Interoperability, and Showcasing



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Training & Certificates



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Receptions & Networking



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Summary

- An introduction to ITU
- Excellent IEEE-ITU Collaboration
- Enjoy the meeting facilities
- Have a productive meeting!

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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.

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IEEE-802 and ITU Welcome Meeting

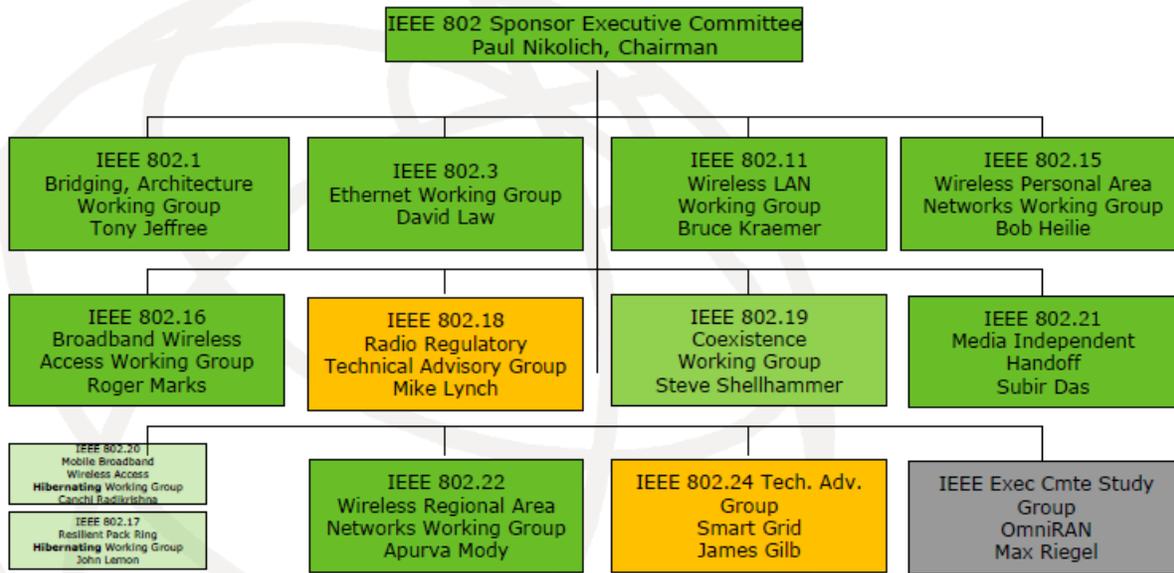
IEEE 802 LMSC Overview

**Paul Nikolich,
Chairman IEEE 802**

Geneva, Switzerland, 15 July 2013 rev02



IEEE 802 LMSC Organization



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



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

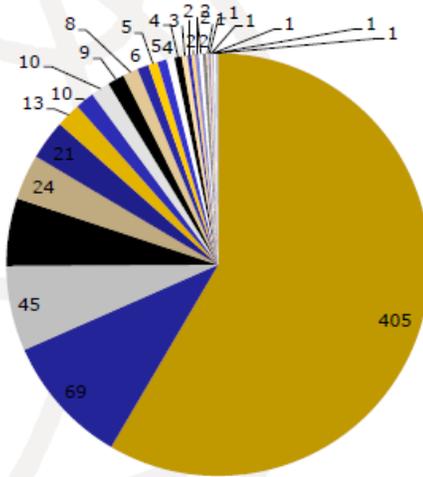
- Higher & lower speeds
 - ◆ >1Gb/s vs <250kb/s
- Higher/lower carrier frequencies
 - ◆ Lightwave vs Terahertz vs TV whitespaces
- Lower power consumption
 - ◆ Ultra Low Power
- Dynamic Spectrum Sharing
- Small Cell Backhaul
- OmniRAN
- Network Performance Measurements
- Handover Services

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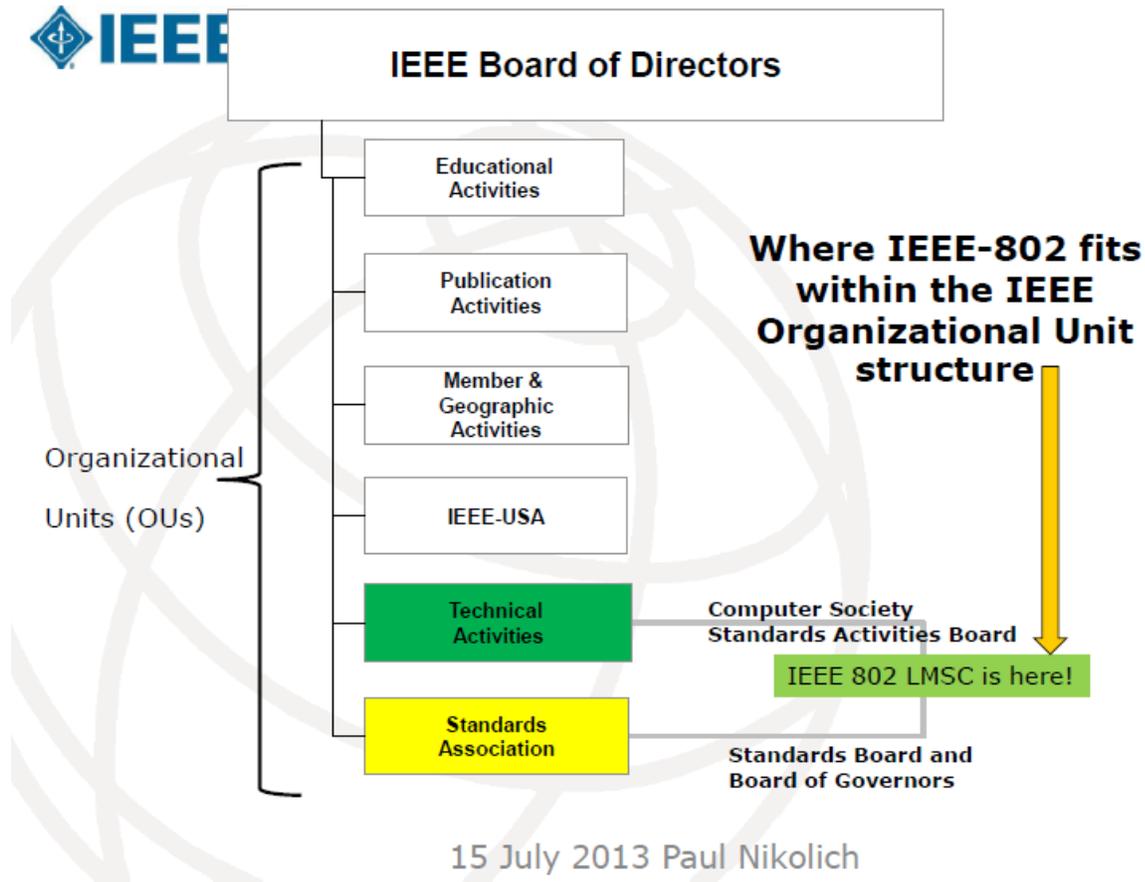
IEEE 802 Global Impact Global Participation

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

**March 2013 IEEE 802
Plenary Session, Orlando FL**



15JUL2013
Paul Nikolich



15 July 2013 Paul Nikolich

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Luca Pellandini, CICG Project Manager gave an overview of meeting facilities.

Meeting adjourned at approximately noon.