TSB Briefing to Regional Offices
28 February 2011

ITU-T Overview

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Chief, Operations and Planning Department
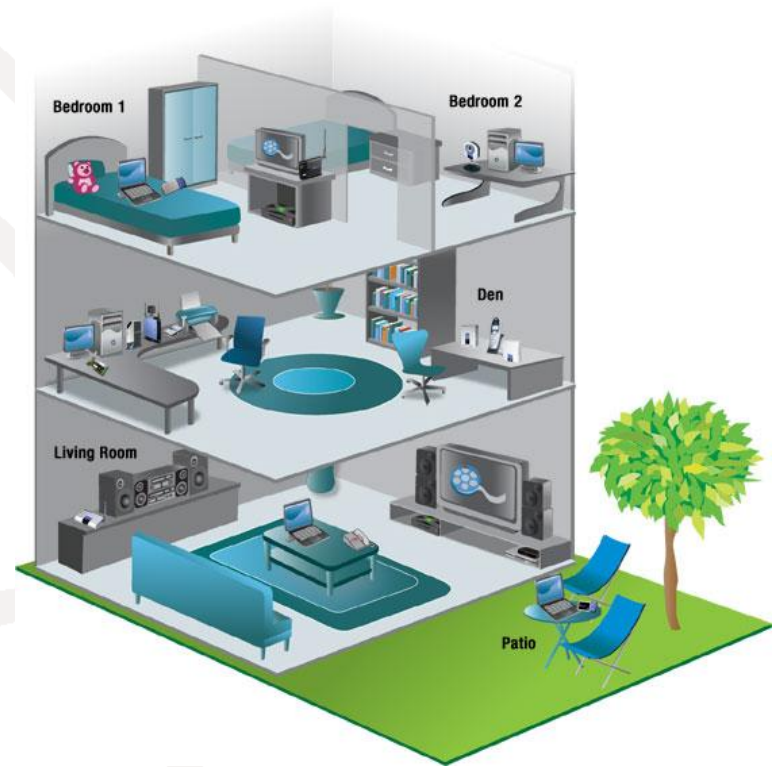### ITU-T

PP-10

- ITU-T Vision: "ITU-T provides a unique worldwide venue for standardization of telecommunications and ICTs"

- Approved "Conformance and Interoperability" continuing the implementation of the recommendations of the TSB Director endorsed by Council 2009

- Approved its first Resolution (175) on accessibility: "Telecommunication/ICT accessibility for persons with disabilities, including age-related disabilities"

- PP-10 also confirmed on a permanent basis the current policy on free online access to ITU-T Recs

Study Groups

- Many study groups saw increased participation, especially from developing countries

- 145 ITU-T Recommendations approved in 2010

- Remote participation on the rise
  - ➤ 346 e-meetings
  - ➤ 769 online attendees

Current Study Groups: 10

- **SG2 - Operational aspects of service provision and telecommunication management**
  - Service definition, numbering and routing
  - Telecommunication for disaster relief/early warning
  - Telecommunication management

- **SG3 - Tariff and accounting principles including related telecommunication economic and policy issues**

- **SG5 - Environment and climate change**
  - Electromagnetic compatibility and electromagnetic effects
  - Harmful effects of radiation
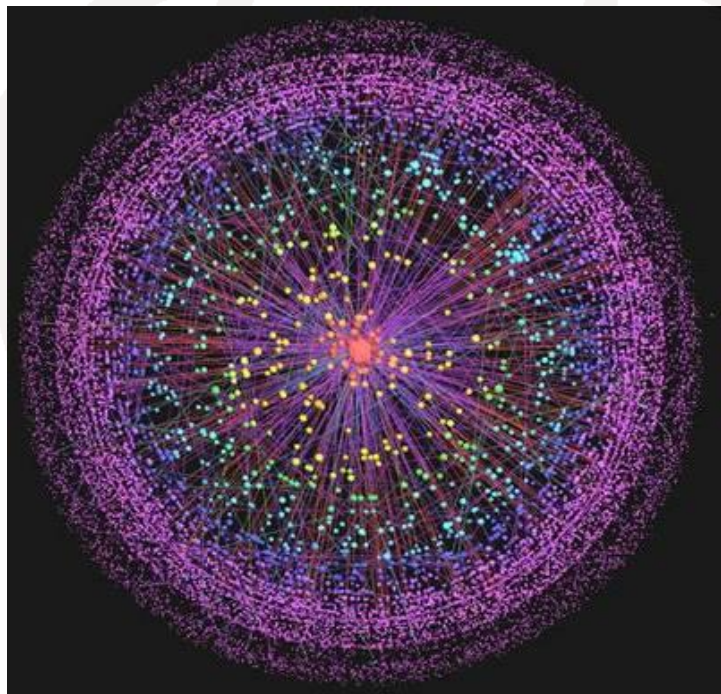 - ICTs and climate change
  - Recycling and e-waste

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Current Study Groups 2/3

- **SG9** - Television and sound transmission and integrated broadband cable networks

- **SG11** - Signalling requirements, protocols and test specifications
  - ➤ Signalling and protocols
  - ➤ Intelligent networks
  - ➤ Test specifications

- **SG12** - Performance, QoS and QoE

- **SG13** - Future networks including mobile and NGN

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Current Study Groups 3/3

- **SG15 - Optical transport networks and access network infrastructures**
  - ➤ Access network transport
  - ➤ Optical technology
  - ➤ Optical transport networks

- **SG16 - Multimedia coding, systems and applications**
  - ➤ Multimedia coding, systems and applications
  - ➤ Ubiquitous applications ("e-everything", such as e-health)
  - ➤ Telecommunication/ICT accessibility for persons with disabilities

- **SG17 – Security**
  - ➤ Telecommunication security
  - ➤ Identity management (IdM)
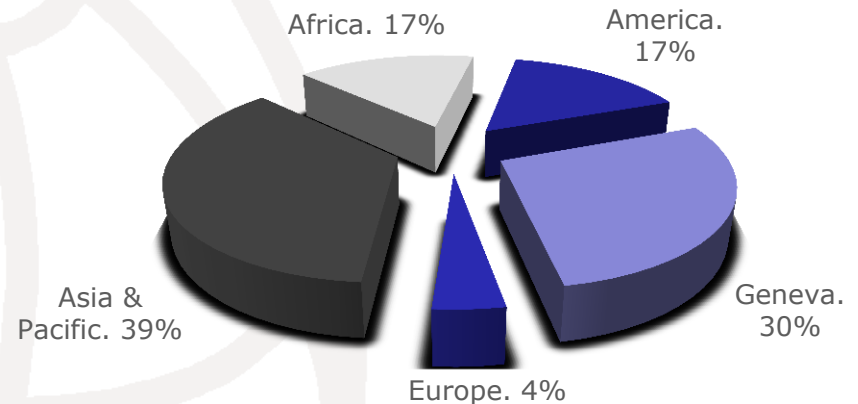 - ➤ Languages and description techniques

Focus Groups

Two new Focus Groups in April 2010:

- Focus Group on Smart Grid
- Focus Group on Cloud Computing
- FG CarCOM works on sub-system level requirements in car communication and requirements/testing of frontends used for speech recognition in cars
- Focus Group on Future Networks concluded its work December 2010
- New FG on Driver Distraction 2011

Workshops

- 23 events, 3100 participants
  - Bridging the Standardization Gap
  - e-health
  - Cybersecurity
  - Regional ITU Consultation on Conformance Assessment and Interoperability
  - Green ICTs
  - Accessibility

- Fifth symposium on ICTs and climate change, Egypt

- 6th Fully Networked Car

Africa. 17%

America. 17%

Asia & Pacific. 39%

Geneva. 30%

Europe. 4%

Strong support for conformance and interoperability testing

- WTSA Resolution 76 (Johannesburg 2008)
  WTDC Resolution 47 (Rev. Hyderabad 2010)
  PP Resolution 177 (Guadalajara 2010)

- ITU-T to implement without delay Council-09 endorsed:
  - ➤ Conformity assessment programme
  - ➤ Interoperability programme
  - ➤ Human resources capacity building
  - ➤ Assistance in the establishment of test facilities in developing countries

- ITU-T IPTV Interoperability Events (Geneva, Singapore, Pune)

- Regional ITU Consultations (Quito, Nairobi, Sydney)

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Chief Technology Officer (CTO) meeting

- Twenty-three major CTOs…

- …called for immediate steps to streamline and modernize the standards landscape

Four Technology Watch Reports issued in 2010

- Decreasing Driver Distraction
- ICT as an enabler for smart water management
- Using submarine communications networks to monitor the climate
- Standards and e-health

Bridging the Standardization Gap

- One of the three strategic goals of ITU-T
- Focus on human resource capacity building
- Tutorials (role play) on standardization – Malaysia, Fiji and India
- Major two-week event:
  Tutorial on Optical Fibre Cables and Systems, Rwanda
- Tool for Assessing Standards Capability (TASC) and Report
- BSG Fund for 2011: CHF 239000
- ITU-T Sector membership fee for Sector Members from developing countries with annual per capita income of less than USD 2 000 according to the UNDP classification: **CHF 3975**
- PP-10 agreed that academia and universities can participate in the work of ITU at a reduced fee: **CHF 1987.50** for universities from developing countries

Accessibility

- Many events in the last year
- PP-10 approved a new Resolution 175 Telecommunication/ICT accessibility for persons with disabilities, including age-related disabilities
- ITU to provide accessibility to ICTs, and to ITU facilities and services, for participants with visual, hearing or physical disabilities
- Voluntary fund to assist disabled participants

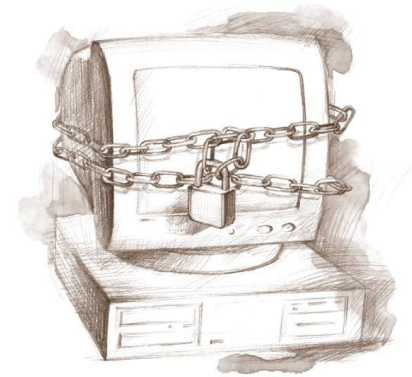**Committed to connecting the world**

ICTs and Climate Change

- PP-10 approved new Resolution 182 on climate change and the protection of the environment

- Methodology to measure impact of ICT on CC

- Universal charger

Safety in the cyber world

- SG 17: 150 active work items
- Rev. Res 130 Strengthening the role of ITU in building confidence and security in ICTs
- Res 181 Definitions and terminology relating to building confidence and security in ICTs
  - ➢ ITU-T: To intensify work in ITU-T study groups
  - ➢ ITU-T: To address existing and future threats and vulnerabilities
- ITU to work towards a possible MoU to strengthen cybersecurity
- Cybersecurity Information Exchange Framework (CYBEX)

Emergency Communications

- In ITU-T work done in particular by Study Groups 2, 11, 13, 16, 17

- ITU-T is assisting the World Meteorological Organization (WMO) in the organization of the third of a series of workshops promoting the adoption of X.1303 CAP (Common Alerting Protocol)

ITU has deployed satellite terminals to help restore communications in the aftermath of disasters around the world... Including recently in Haiti, Pakistan and Indonesia
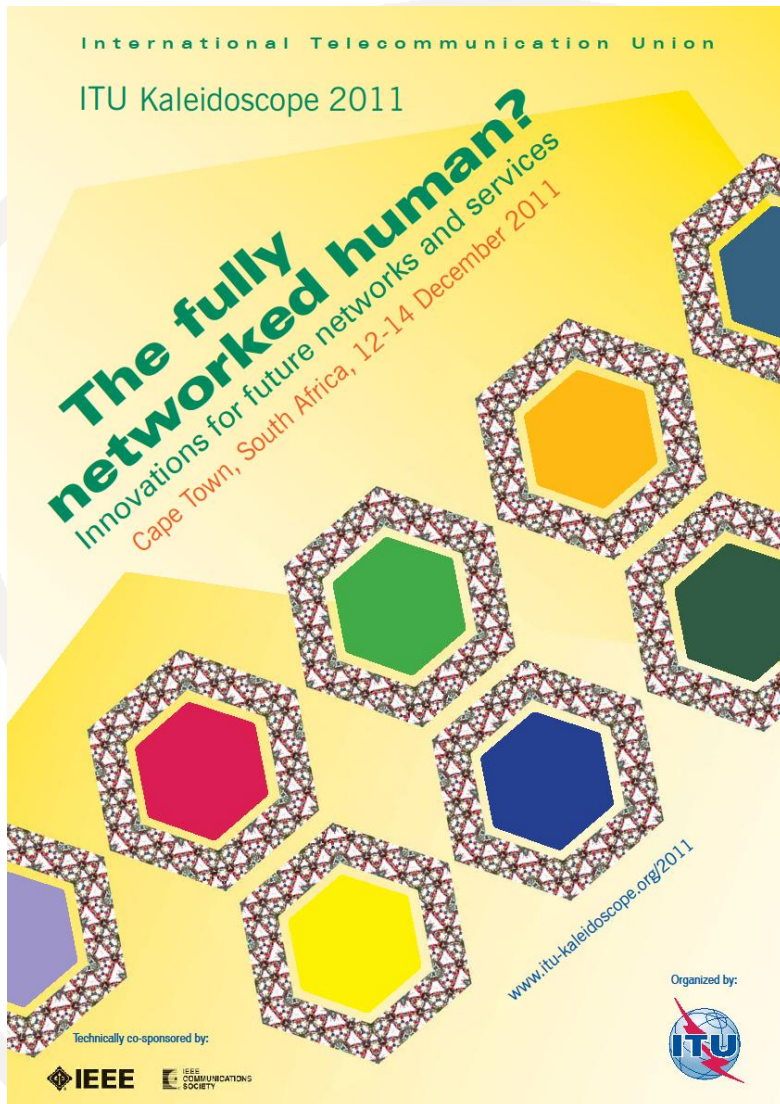
Liaison and collaboration

- World Standards Cooperation
  - The Fully Networked Car
  - WSC Academic Week
  - Newsletter published
- GSC-15 took place on 30 August – 2 September 2010 in Beijing
- ITU-T and IETF
  - Leadership meeting
- ITU-T & ISO/IEC JTC1
  - Leadership meeting
- Update MoU with ETSI
- TSB Board Member ICANN

Involving future engineers

- PP-10 agreed that academia and universities can participate in the work of ITU at a reduced fee (CHF 1987 developing, CHF 3975 developed)

- *4th Kaleidoscope academic conference: The Fully Networked Human? Innovations for future networks and services* - Cape Town, South Africa, 12-14 December 2011

- Previous Kaleidoscope events
  - Geneva, Switzerland, 12-13 May 2008
  - Mar del Plata, Argentina, 31 Aug- 1 Sept 2009
  - Pune, India, 13-15 December 2010

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ITU-T/TSB Tools

- Establishment of the liaison statements database

- Enhanced work programme interface

- Meeting documents sync application

- XML extraction tool associated with terminology insertion to the ITU Terms and Definitions Database

- Upgraded WiFi infrastructure

- Improved facilities for hybrid and remote meetings

Essence of Internet Resolutions

- ITU "to explore ways and means for greater collaboration between ITU and relevant organizations including, but not limited to, ICANN, the RIRSs, IETF, ISO and W3C on the basis of a reciprocity

- … to increase the role of ITU in Internet governance …"

- Director TSB to review the current structure and possibly propose a new study group or group to work on technical issues of telecommunication networks to support the Internet

Human exposure to and measurement of electromagnetic fields

- New Resolution 176 instructs the Director of BDT in collaboration with the Directors of BR and TSB:

  - ➢ To organize regional seminars and workshops
  - ➢ To encourage Member States to cooperate in sharing expertise and Resources

NGN Deployment in Developing Countries

- Resolution 137 Instructs the Directors of the three Bureaux

  - ➢ "to continue and consolidate their efforts on NGN and future networks (see the work of the ITU-T SG 13 Focus Group on future networks) deployment studies and standards development activities, particularly those designed for rural areas …"

NEXT GENERATION NETWORK

NGN-GSI

GLOBAL STANDARDS INITIATIVE ITU-T

ITRs and the World Conference on International Telecommunications (WCIT)

- PP-10 confirmed Council's decision to hold a World Conference on International Telecommunications (WCIT) back-to-back with WTSA (October/November 2012)

- WTSA will again be preceded by a 1-day Global Standards Symposium

- WCIT will consider new and emerging issues for updating International Telecommunication Regulations within its scope and purpose

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