

ITU Regional Activities for the development of ICTs

**Workshop for SADC countries to promote the
development and implementation of Conformity
Assessment programmes**

**13th – 15th October, 2014
Zambezi Sun, Livingstone, Zambia**

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Committed to connecting the world

Committed to Connecting the World



About ITU

- ✓ The **United Nations Specialized Agency** for Information and Communication Technologies (ICTs)
- ✓ Founded in Paris in 1865 as the **International Telegraph Union**
- ✓ 2015 will mark **150 years of experience** and innovation



ITU's Global Presence



5 regional offices, 8 area offices
**Europe coordination at HQ
in Geneva, Switzerland**



Committed to Connecting the World



ITU's Structure

Radiocommunication
ITU-R

Coordinates global wireless communication

Standardization
ITU-T

Produces interoperable
technical ICT standards



Development
ITU-D

Provides assistance to
the un-connected

The **General Secretariat** provides intersectoral coordination
for the whole organization

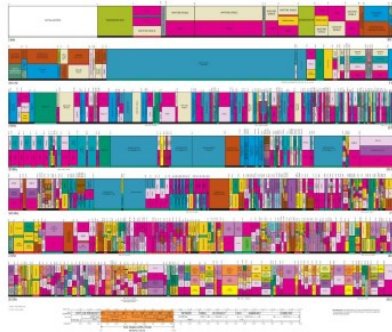


ITU-R: Radiocommunication Sector

Manages the radio-frequency spectrum and satellite orbits

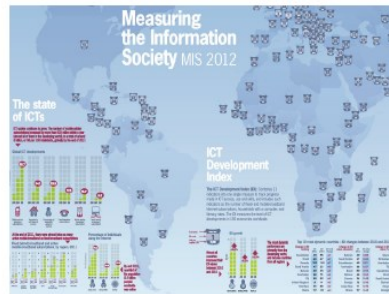


UNITED STATES FREQUENCY ALLOCATIONS THE RADIO SPECTRUM



ITU-D: Development Sector

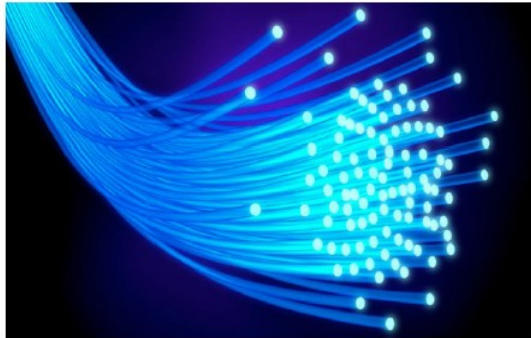
Assists the development of ICTs in the developing world





ITU-T: Standardization Sector

Produces standards covering all fields of telecommunications on a worldwide basis, and defines tariff and accounting principles for international telecommunication services



ITU's Membership

193 **Member States** and Regulatory Bodies

750 **Companies**, Business Associations, NGOs

65 **Universities** & Research Establishments





ITU-T Key Topics

- ✓ **Internet Broadband Access**
(xDSL, G.fast, Fiber to the x, Powerline communication)
- ✓ **Transport and Optical Fiber**
- ✓ **Multimedia** (video coding: ITU-T H.264 and H.265)
- ✓ **IPTV, Smart Cable Television**
- ✓ **Numbering and Identification Resources**
- ✓ **Conformance and Interoperability Testing**
- ✓ **Bridging the Standardization Gap**



ITU-T Key Topics

- ✓ **Software-defined Networking (SDN)**
- ✓ **Cloud Computing**
- ✓ **Big Data**
- ✓ **M2M and Internet of Things (IoT)**
- ✓ **Cybersecurity, Identity Management, Child Online Protection**
- ✓ **Performance, Quality of Service (QoS) and Quality of Experience (QoE)**





ITU-T Key Topics

- ✓ Intelligent Transport Systems
- ✓ Smart Grid
- ✓ ICT and Climate Change, Smart Sustainable Cities, Smart Water Management
- ✓ E-Health
- ✓ ICT Accessibility and Human factors
- ✓ Emergency Communications, Disaster Relief Systems, Network Resilience and Recovery



ITU-T Study Groups

Current Study Groups are:

- 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, Access and Home
- SG16 - Multimedia
- SG17 - Security



ITU-D

Strategic Objective adopted WTDC-14

- International cooperation and development of ICTS
- Telecommunications/ICT networks including conformance and interoperability
- Foster Enabling Environment- Regulatory reforms and reducing standardization gap
- Confidence and security in the use of ICTs
- Human and institutional capacity, provide data and statistics, promote digital inclusion
- Enhance environmental protection, climate-change adaptation and mitigation, and disaster-management



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ITU-D Study Group

Study group period: 2014-2018
1st Meeting 8-19 September, 2014

Study Group Question 1

Q1/1	Migration to Broadband
Q2/1	Broadband Access Technologies
Q3/1	Cloud Computing
Q4/1	Economic Policies
Q5/1	Rural/ Remote Access
Q6/1	Consumer Protection
Q7/1	Disabilities / Special Needs
Q8/1	Analogue to Digital



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ITU-D Study Group

Study group period: 2014-2018

Study Group Question 2

Q1/2	Smart Society
Q2/2	E-Health
Q3/2	Cyber Security
Q4/2	Conformance and Interoperability
Q5/2	Emergency Telecommunications
Q6/2	Climate Change
Q7/2	EMF
Q8/2	E-waste



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REGIONAL INITIATIVES - SADC

Human and institutional capacity building- CoE 2010-2014

- 1592 professionals benefited to face-to-face training events (through 52 workshops) and 160 participants benefited to distance-learning courses (in 6 trainings)
- Through direct assistance to member states – Courses in NGN, Frequency Management and emergency telecommunications. Around 120 professional trained.

Harmonizing policy and regulatory frameworks for integration of African telecommunication/ICT markets

- SADC Model Laws in Cybersecurity with legislations on cybercrimes, electronic transactions and data protection; adopted by the SADC ICT Ministers in November 2012.
- Updating of the SADC Protocol on Transport, Communications and Meteorology, and the SADC ICT Policy including a validation workshop.
- SADC Guidelines on Universal Access and Service and Toolkit



REGIONAL INITIATIVES - SADC

Policy and Regulatory Harmonization Continued

- In-country transposition of model laws through HIPSSA: Tanzania, Lesotho, Namibia, Zimbabwe, Zambia, Kingdom of Swaziland, and Seychelles
- Basic framework for the harmonization of the national regulations on Quality of Service in SADC Region.



REGIONAL INITIATIVES - SADC

Development of a broadband infrastructure and achievement of regional interconnectivity and universal access

- Through ITU-McCaw foundation project, broadband wireless network implementation underway in Lesotho plans underway for Swaziland
- Development of National Broadband Policy in Lesotho
- Development of Guidelines on Universal Access and Service and Toolkit for SADC and provided capacity building on the guideline and tool kit to other sub-region.
- Development of Guidelines for the establishment of conformity and assessment test labs, capacity building on conformance and interoperability matters.; **A SADC Readiness Assessment study concluded and a validation workshop and training is shall take place 13-15 October in Livingstone, Zambia**
- Elaboration of digital interactive broadband network maps for Africa.



REGIONAL INITIATIVES - SADC

Implementation of the recommendations of the Connect Africa summit

- Implementation of national CIRTs for Tanzania and Zambia;
- Assessment study completed for implementation in Zimbabwe, Swaziland in April 2014
- First ever cyber Drill for Africa is planned to take place in Livingstone, Zambia from 29 September to 01 October 2014.
- *"Child online Protection (COP) Strategy Framework for Zambia"* workshop held in Livingstone from 26-28th March 2014 to assist stakeholders to plan and deploy a practical Child Online Protection Program strategy framework.



Future areas of collaboration

- Capacity Enhancement in NGN-IP technologies
- Assistance in Infrastructure deployment- call at ITU-D- Q1/1 calling for Member States participate in a project for quick deployable and cost effective optical cables to rural areas
- SADC Broadband Plan and policy framework
- Cyber Security
- Documents to be customized for SADC
 - Guidelines on Access to Submarine Cables in collaboration with ECOWAS and WATRA
 - Development of Guidelines on access to Submarine cables from landlocked countries in ECOWAS



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Key Events

- PP-14 Busan Korea 20th Oct to 7th November
- 12th World Telecom ICT/Indicators symposium (WTIS4) in Georgia- 24-26 November, 2014
- World Radiocommunications Conference (WRC-15) 2nd-27th November, 2015- Geneva
- ITU-D Study Group-8th – 19th September 2014- Geneva
- SADC C&I/ MRA Workshop- 13-15 September, 2014- Livingstone, Zambia
- First Cyber Drill for Africa- 29 Sept-1st Oct, Livingstone, Zambia
- Strategic Workshop on NGN Access and Pricing, 6-10 October, Windhoek Namibia



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Thank You!

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