Introduction to ITU and ITU-T activities

ITU-T, the Standardization Sector of ITU.

About ITU

☐ The **United Nations Specialized Agency** for Information and Communication Technologies (ICTs)

☐ Founded in Paris in 1865 as the **International Telegraph Union**

☐ 2015 marks **150 years of experience** and innovation

International Telecommunication Union

ITU's Regional Offices

ITU's Membership

193 **Member States** and Regulatory Bodies

700 **Companies**, Business Associations, NGOs

+90 **Universities** & Research Establishments

ITU's Structure

Radiocommunication

Coordinates global wireless communication

Standardization

Produces interoperable technical ICT standards

Development

Provides assistance to the un-connected

The **General Secretariat** provides intersectoral coordination

ITU-R: Radiocommunication Sector

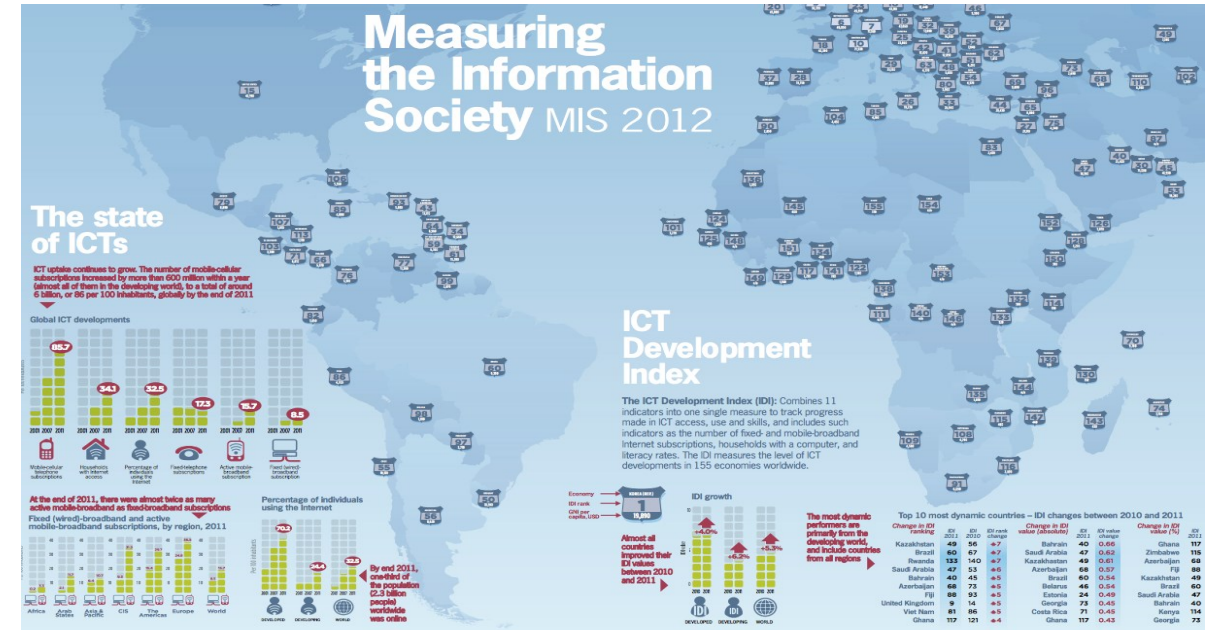Manages the radio-frequency spectrum and satellite orbits

ITU-D: Development Sector
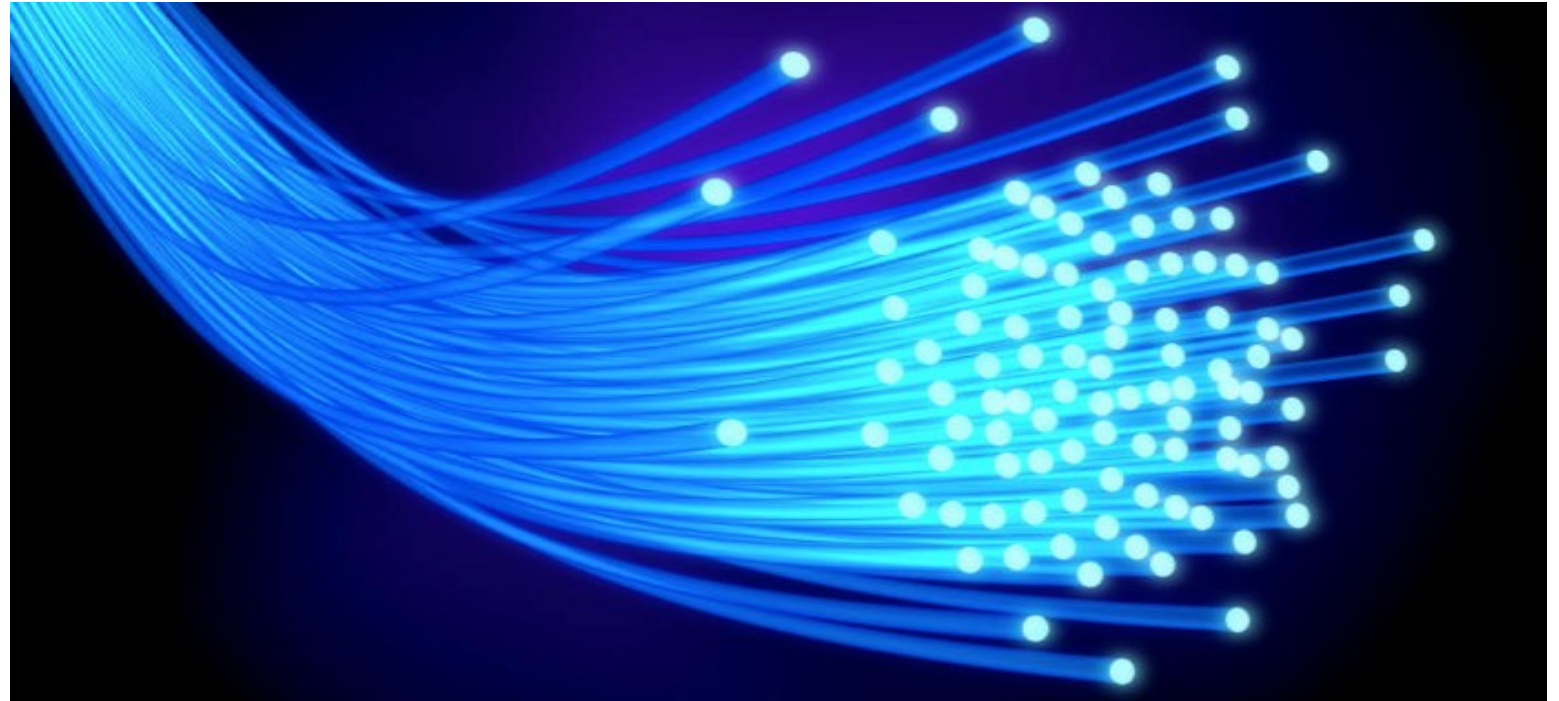
Assists the development of ICTs in the developing world

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
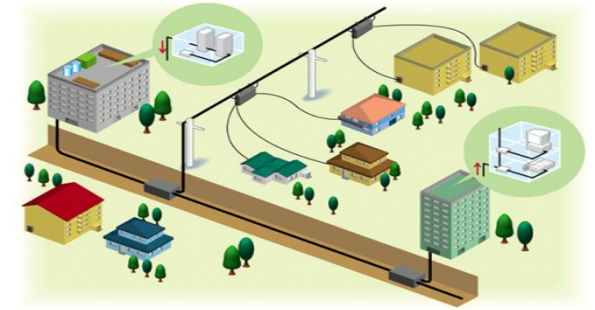
About ITU-T

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

- 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

NEW

SG 20 - Internet of Things: incl. M2M communications and ubiquitous sensor networks

ITU-T Focus Groups

- Augment the Study Group system

- Way to quickly react to ICT standardization needs

- Great flexibility of working methods

- Open to non-member participants

- Current Focus Groups:

  - 5G/IMT-2020 Wireline

  - Aviation applications of cloud computing for flight data monitoring

  - Digital financial services

- Recently completed:

  - Smart sustainable cities

  - Bridging the gap: from innovation to standards

  - Smart water management

Membership Benefits

Become part of a world class community and collaborate with key ICT players

☐ ITU-T, the **only global intergovernmental ICT standards development organization** in the world

☐ Brings together the **private sector, governments and academia**

☐ **Perfect ecosystem** to grow your business:
  - ✓ experts from ministries and regulatory agencies of 193 countries
  - ✓ executives of fast growing and largest ICT companies worldwide
  - ✓ researchers from most reputable universities and research centers

Gain visibility and build up your brand

☐ **Build a strong reputation as a reliable, forward-looking organization**

- ✓ Win CLIENTS' trust by integrating ITU-T standards in your technology, guaranteeing your products are trust-worthy, safe and interoperable

- ✓ Get involved in the development of technical norms for innovative products and attract INVESTORS as a leading-edge ICT player

☐ **Raise your profile and enjoy brand exposure as an ITU-T member**

- ✓ Be referenced in ITU's MEMBERS DIRECTORY and get in touch with prominent ITU members

- ✓ Have your research and new products AVERTISED in ITU publications

- ✓ HOST or SPONSOR an ITU-T event related to your technology and reach out to your full ecosystem

- ✓ SHOWCASE your work and company's activities at ITU-T meetings

Join the league!

Any Questions?

Contact MEMBERSHIP: ITU-Tmembership@itu.int