

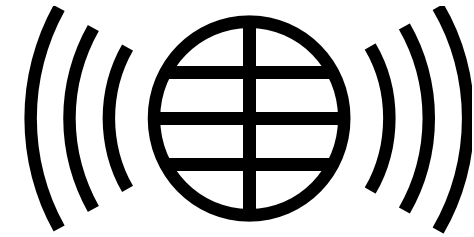
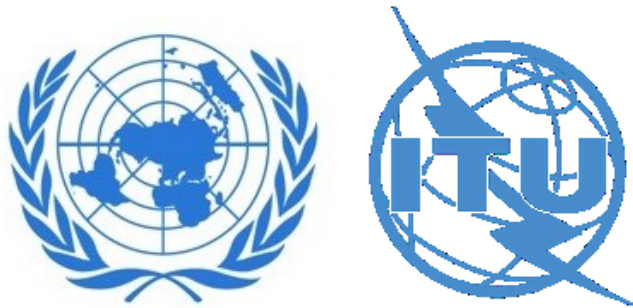
Outcomes of WTSA-16

ITU Regional Forum on New Technologies for Development

Cairo - Egypt, 23-24 November 2016

Slaheddine Maaref, ITU

ITU, UN Agency for ICTs



The International Telecommunication Union (ITU) is the **United Nations specialized agency for information and communication technologies (ICTs)**

works to enable a **connected world**

ITU Membership

193

MEMBER
STATES



+700

PRIVATE SECTOR
ORGANIZATIONS

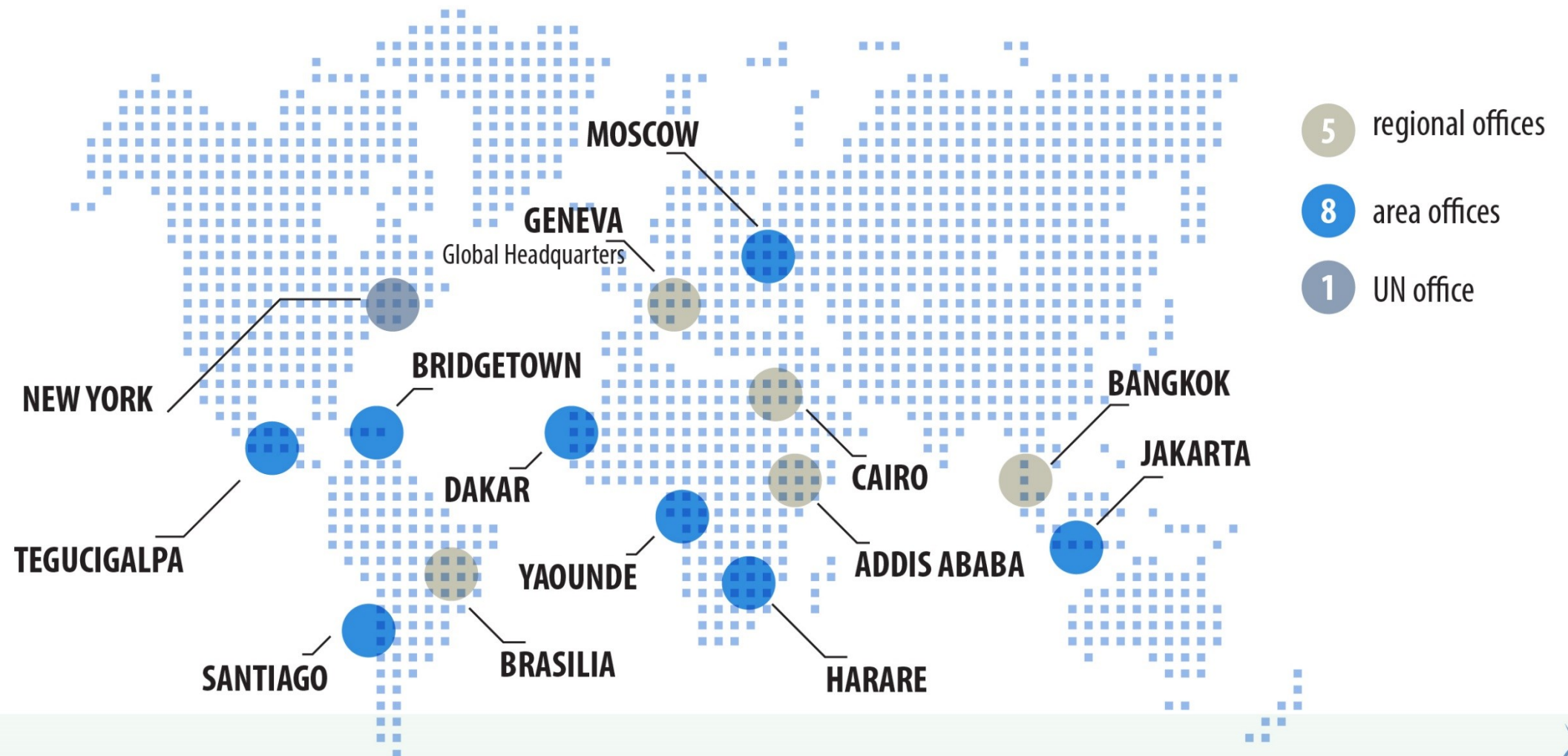


+120

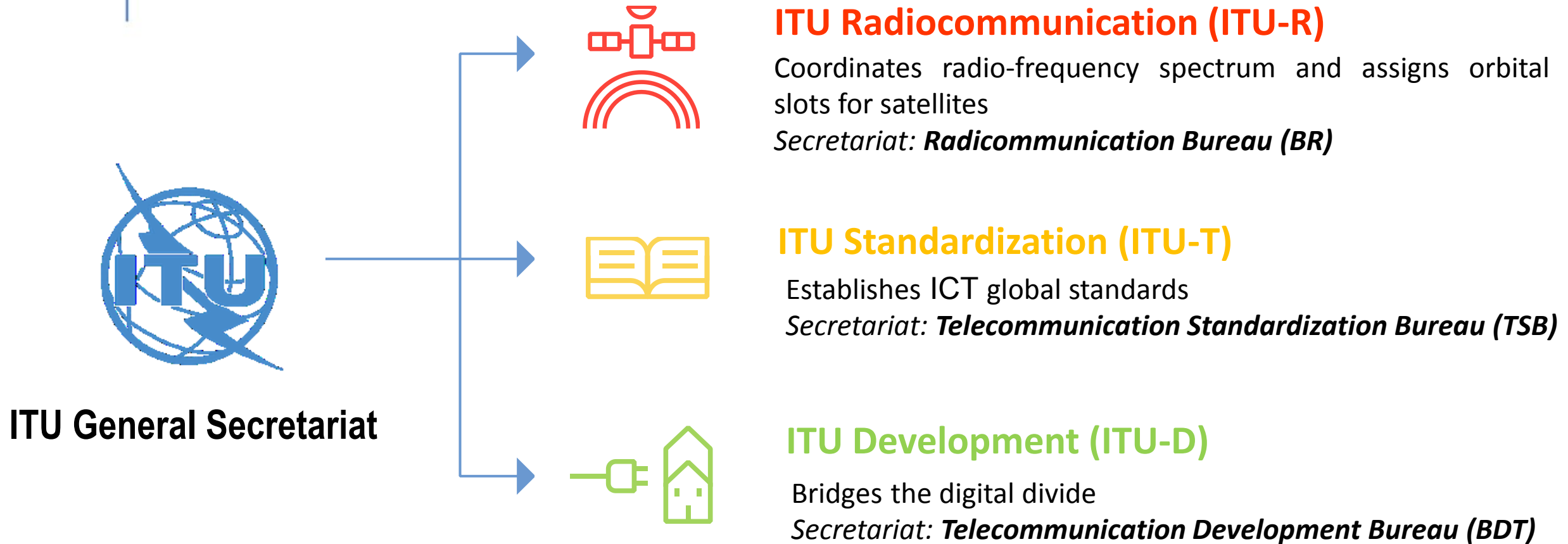
ACADEMIA
MEMBERS



ITU Global Presence



ITU Structure



ITU-T and TSB



ITU General Secretariat



ITU Standardization (ITU-T)

ITU-T Secretariat: Telecommunication Standardization Bureau (TSB)

1. provides secretarial support for the work of the ITU-T Sector and services for the participants in ITU-T work
2. diffuses information on international telecommunications worldwide
3. establishes agreements with many international Standards Development Organizations

World Telecommunication Standardization Assembly Overview

- held every 4 years
- review structure, working methods, and leadership of ITU's Standardization sector
- WTSA-16 from 25 October to 3 November 2016 in Hammamet, Tunisia



ITU-T 60th Anniversary

2016 marks 60 years since the creation of the International Telegraph and Telephone Consultative Committee (CCITT), that became ITU-T in 1992

60th Anniversary Celebrations at WTSA-16

- Special Talks on Digital Financial Services
- Special Talks on Artificial Intelligence
- Gala reception (sponsored by UAE, South Korea and Rodhe & Schwarz)



WTSA-16 Side Events

- **3rd Global Standards Symposium (GSS)** on Security, Privacy and Trust
- **ITU Women in Standardization Expert Group (WISE)** meetings: brought together leading women in the ICT field to discuss ways to close the ICT gender gap
- **CxO Meeting** in the Arab and Africa Regions
- **Special event on Accessibility** of ICTs to persons with disabilities



WTSA-16 in numbers



6

New WTSA-16 Resolutions

ITU–T studies for combating counterfeit telecommunication/ICT devices

Open source in ITU–T

Combating mobile telecommunication device theft

International mobile roaming

Promoting the use of ICTs to bridge the financial-inclusion gap

Studies concerning the protection of users of telecommunication/ICT services

New WTSA-16 Resolutions

Facilitating the implementation of the Smart Africa Manifesto

ITU–T initiatives to raise awareness on best practices and policies related to service quality

Evaluation of the implementation of resolutions of the WTSA

Strengthening and diversifying ITU–T resources

Participation of ITU–T in the periodic review and revision of the International Telecommunication Regulations

Enhancing access to electronic repository of information on numbering plans published by ITU–T

New WTSA-16 Resolutions on 5G, IoT, Big Data, Cloud Computing

5G:

Interconnection of 4G, IMT-2020 networks and beyond

5G:

Enhancing ITU–T standardization activities related to non-radio aspects of international mobile telecommunications

Cloud & Big Data:

Standardization work in ITU–T for cloudbased event data technology

IoT:

Enhancing the standardization of Internet of Things and Smart Cities and Communities for global development

Interconnection of 4G, IMT-2020 networks and beyond

- Broker the international agreement of a framework for the interconnection of LTEbased networks to enable VoLTE/ViLTE 'roaming'
- Support interoperable, high-quality voice and video communications through 4G, 5G and beyond

Enhancing ITU–T standardization activities related to non-radio aspects of international mobile telecommunications

- Match innovations in radio transmission with innovations in underlying backbone networks
- Study the wireline networking innovation necessary to achieve performance targets of 5G systems
- Align this work with related studies in ITU–R, ensuring that the fixed and wireless elements of 5G systems work in harmony

Enhancing the standardization of IoT and Smart Cities and Communities for global development

- Ensure IoT technologies and applications assist the achievement of the UN Sustainable Development Goals
- Develop standards to drive the coordinated development of IoT technologies and applications
- Provide a reliable foundation for smarter cities and communities
- Run pilot projects and peer-learning initiatives to establish best practices in smart urban development

Standardization work in ITU–T for cloudbased event data technology

- Develop standards on the use of cloud computing to record event data from aircraft, cars and other connected machinery
- Organize events to collect associated requirements and technical input from as many stakeholders as possible

5G and IoT at WTSA-16



“ITU members are engaged in a new standardization effort to realize smart, trusted IMT-2020 (**5G**) systems, and ITU is building on over 10 years of experience in **IoT** standardization to contribute to the development of smart cities.”

Chaesub Lee, TSB Director

“As we approach 2020, one of the most important areas of ITU work will be the international standardization of 5G systems”

Houlin Zhao, ITU Secretary General



Relevant ITU-T Study Groups

- **ITU-T SG13** - Future networks with focus on IMT-2020, cloud-computing and trusted network infrastructures
- **ITU-T SG20** - Internet of things (IoT) and smart cities and communities (SC&C)

