International Telecommunication Union (ITU)

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Promoting Global Collaboration for a Connected World

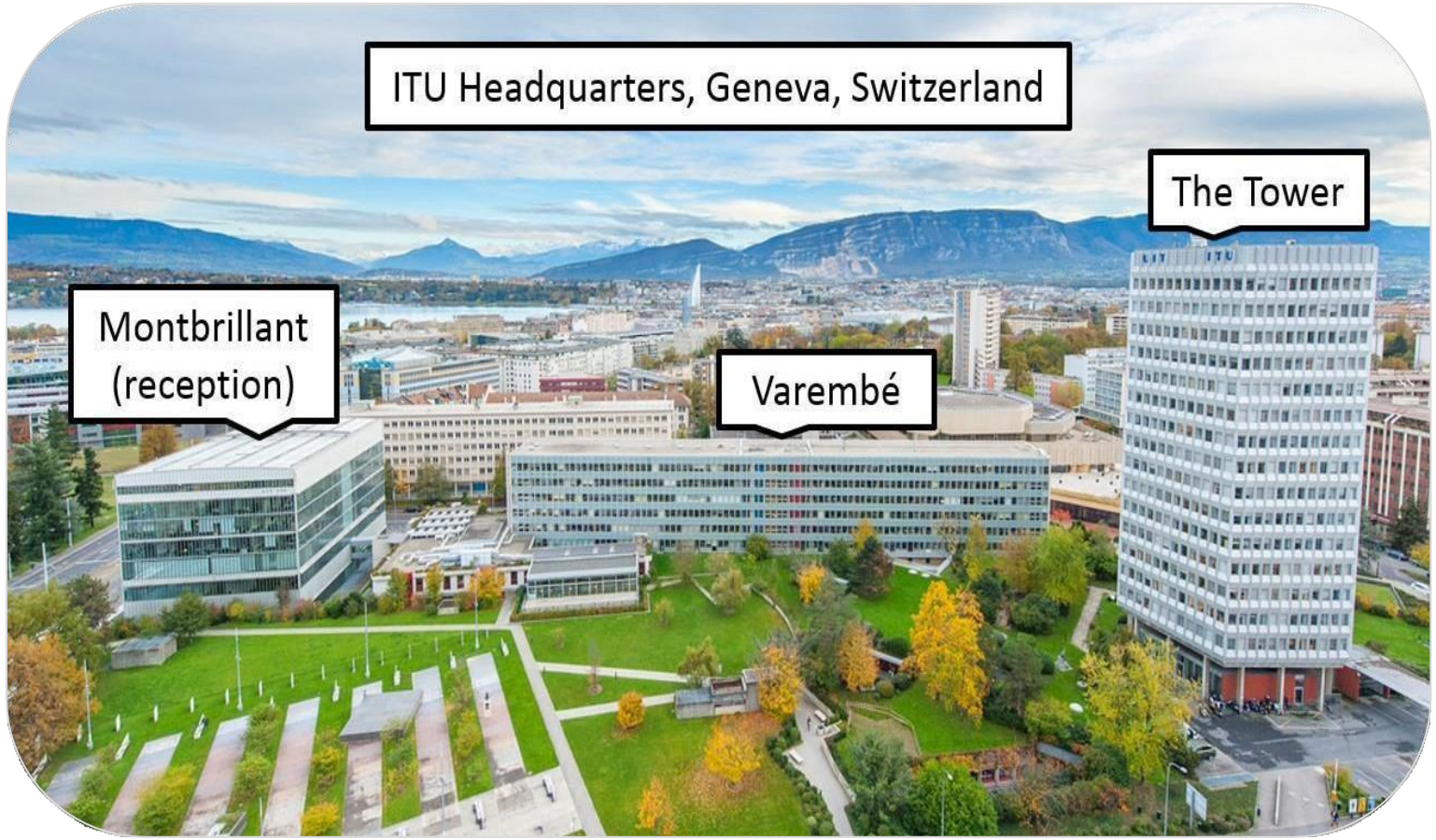
WHO WE ARE:

ITU is the UN specialized agency for information and communication technologies (ICTs)

WHAT OUR ROLE IS:

To facilitate peaceful relations, international cooperation between peoples, and economic and social development by means of efficient telecommunications services

International Telecommunication Union (ITU)



International Telecommunication Union (ITU)

OUR MEMBERS:

193

MEMBER STATES

900+

COMPANIES, UNIVERSITIES, AND INTERNATIONAL AND REGIONAL ORGANIZATIONS

3 SECTORS:

Each sector has separate mandate, but all work cohesively towards connecting the world

STANDARDIZATION

DEVELOPMENT

RADIOCOMMUNICATION

ITU Elected Officials 2023-2026

Doreen BOGDAN-MARTIN
Secretary-General of ITU

Tomas LAMANAUSKAS
Deputy Secretary-General

Directors of the three Bureaux

Mario MANIEWICZ
Radiocommunication (ITU-R)

Seizo ONOE
Standardization (ITU-T)

Cosmas ZAVAZAVA
Development (ITU-D)

ITU Sectors

1

Standardization (ITU-T):

- promotes enabling technical, policy and regulatory frameworks to boost ICT development. It is a platform for governments and private sector to coordinate development of telecommunication networks and services that connect the world.

2

Radiocommunication (ITU R):

- coordinates the shared global use of radio spectrum and geostationary satellite orbit

3

Development (ITU-D):

- works to improve telecommunication infrastructure in the developing world

1 Introducing ITU Telecommunication Standardization Sector (ITU-T)

ITU-T Strategic Goals

ITU-T is driven to remain the preeminent worldwide telecommunication standards body

To develop interoperable, nondiscriminatory 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

Importance of Global Standards

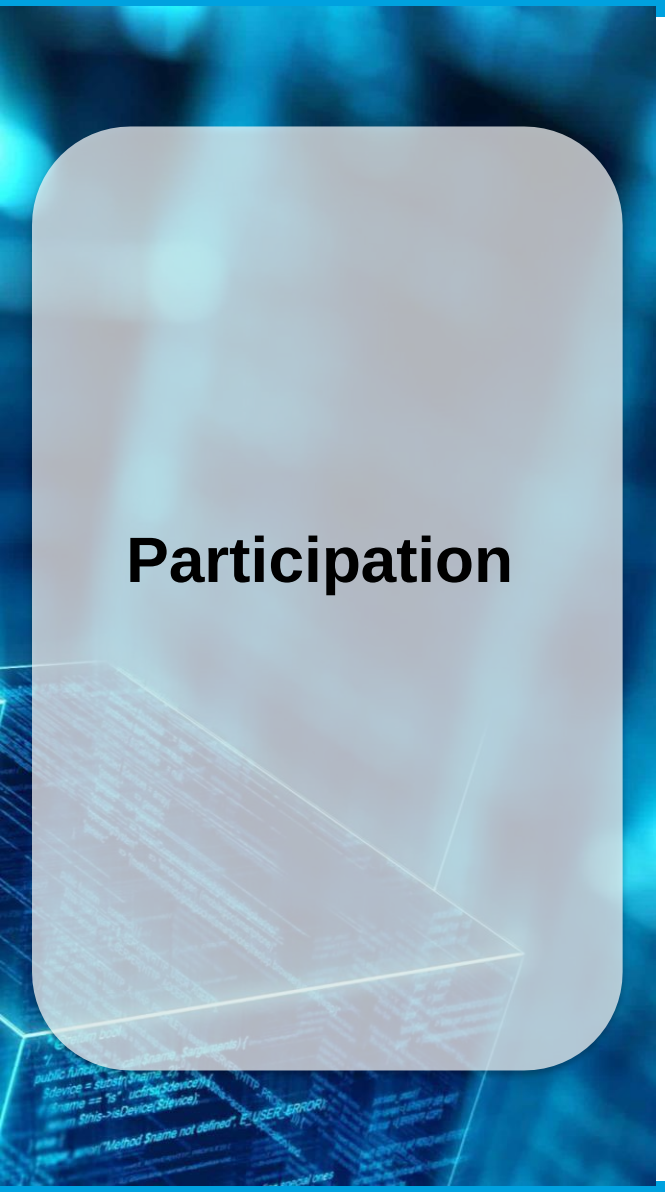
Manufacturers, network operators and consumers all benefit from international standards:

Essential for international communications and trade

Driving competitiveness, efficiency and innovation

Providing interoperability and economies of scale

Lower prices and increased availability



Participation

Member States: Governments and regulatory bodies

Sector Members: Private sector and regional / international organizations

Associates (including SMEs): Private sector (focus on one study group)

Academia: Universities and research establishments

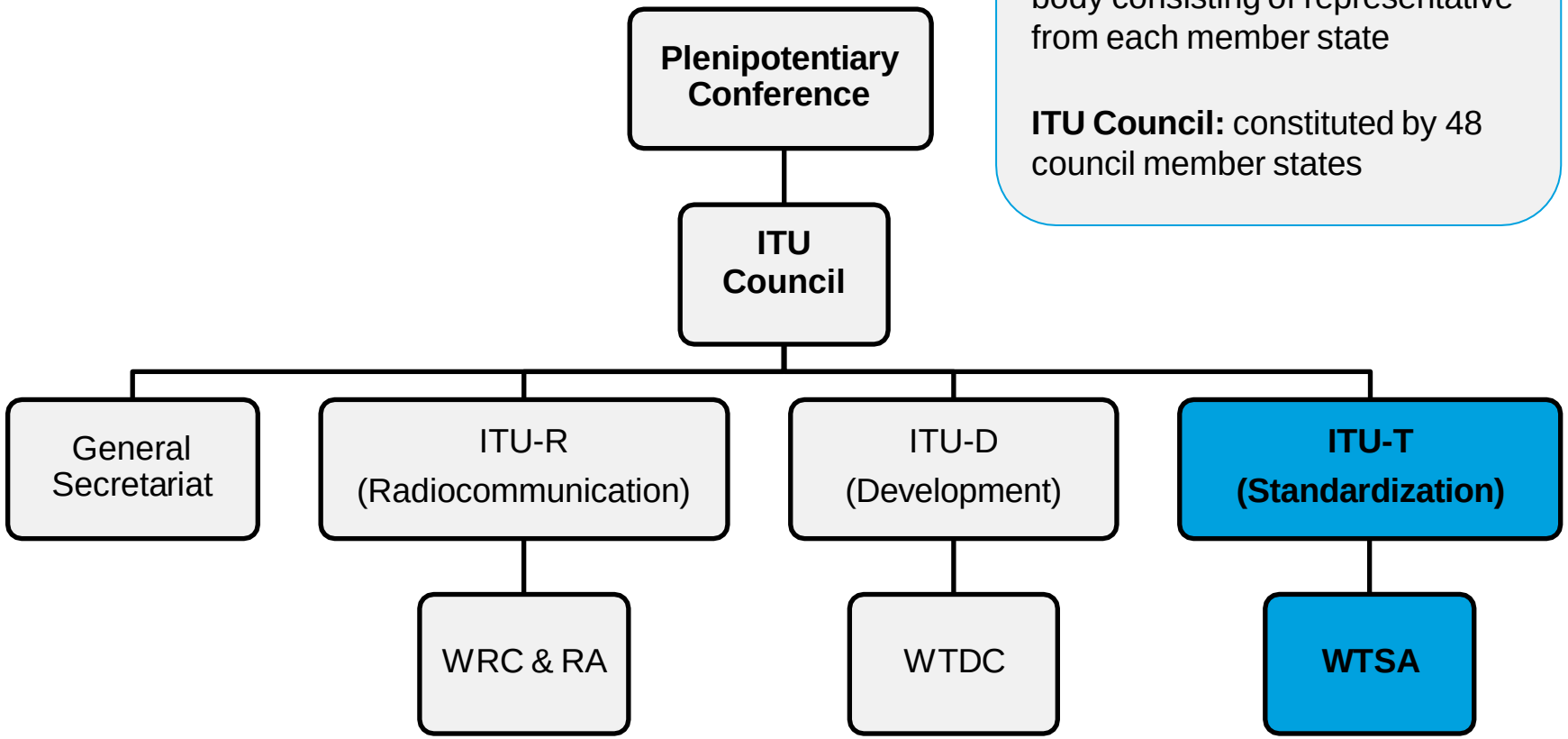
Invited experts: Very limited role – on exceptional basis, by invitation from the Director of TSB in consultation with the chairman of the SG

ITU-T Membership and Services:
www.itu.int/en/ITU-T/membership

Structure and Organization of ITU

Plenipotentiary Conference: the highest decision-making body consisting of representative from each member state

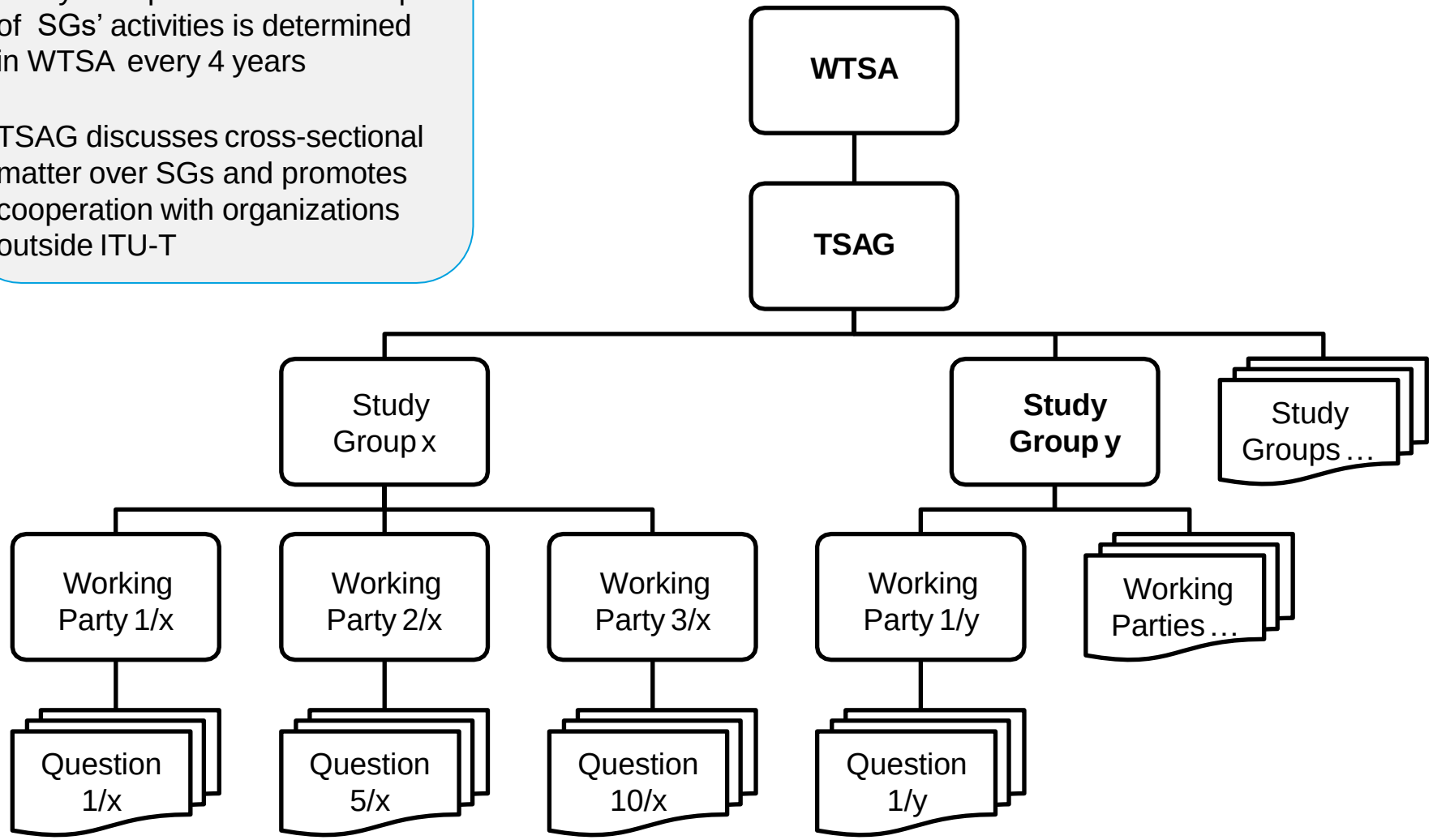
ITU Council: constituted by 48 council member states



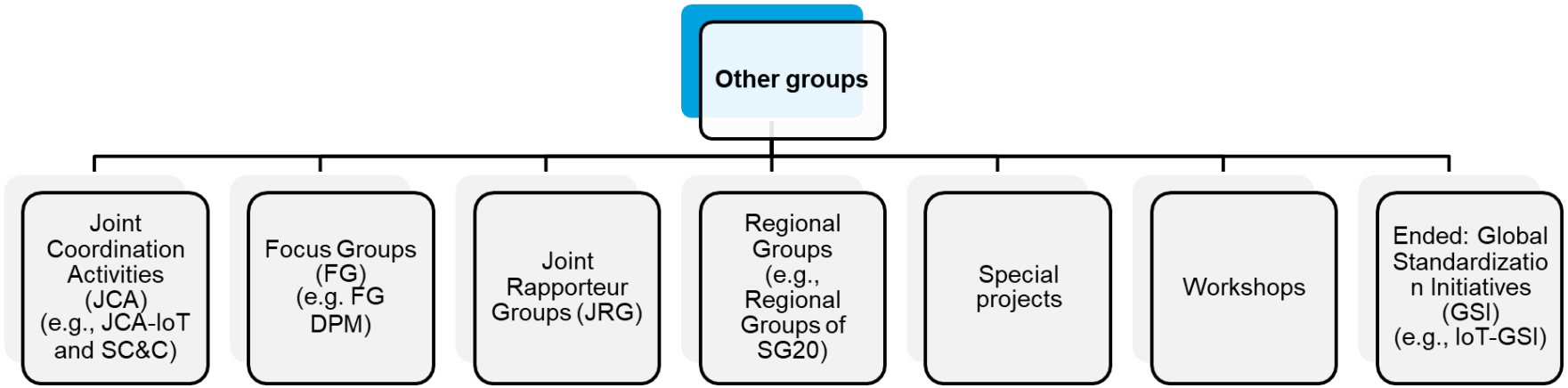
ITU-T: Structure and Organization (1/2)

Study Group structure and scope of SGs' activities is determined in WTSA every 4 years

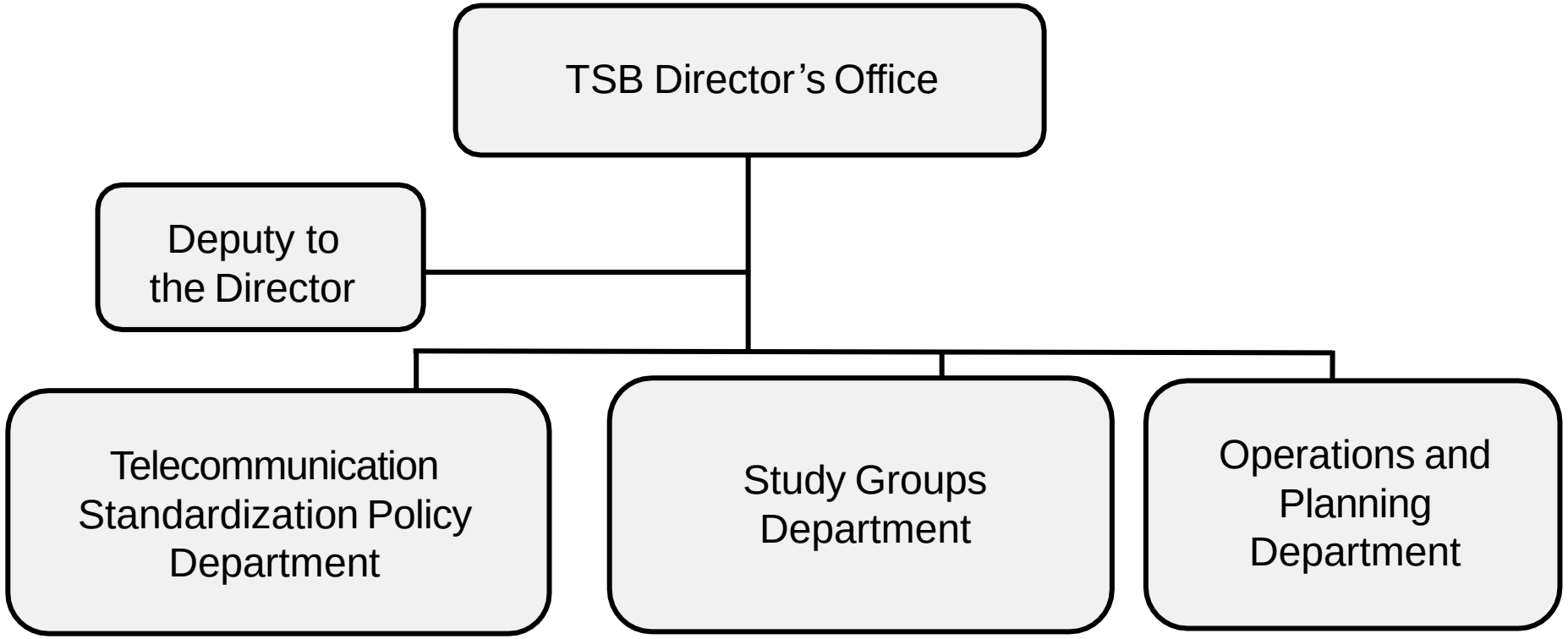
TSAG discusses cross-sectional matter over SGs and promotes cooperation with organizations outside ITU-T



ITU-T: Structure and Organization (2/2)



TSB Structure



Telecommunication Standardization Advisory Group (TSAG)

Role of TSAG:

- Reviews ITU-T priorities, programmes, operations, financial matters and strategies
- Monitors progress, provides guidelines for the study groups, and fosters cooperation and coordination with other bodies
- Refines ITU-T working methods, and takes action between WTSAs on issues of structure, operations and management

ITU-T Study Groups

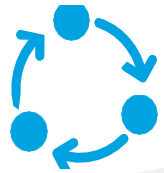
Each study group has its own:

- Area of responsibility
- Leadership team
- Work programme
- Including authority to initiate, develop and propose approval of deliverables

The study group mandate is:

- Defined by WTSA every four years (WTSA Resolution 2)
- Implemented via “Questions” (specific work projects)
- May be refined during the “study period” between WTSAs

ITU-T Study Groups 2022-2024



SG2: Operational aspects

SG3: Economic and policy issues

SG5: Environment, EMF and circular economy

SG9: Broadband cable and TV

SG11: Protocols, testing & combating counterfeiting

SG12: Performance, QoS and QoE

SG13: Future networks

SG15: Transport, access and home

SG16: Multimedia & digital technologies

SG17: Security

SG20: IoT, smart cities & communities

Study Group roles

- Study Group Chairman and Vice-Chairmen
- Working Party Chairmen and Vice-Chairmen

- Rapporteurs
- Associate Rapporteurs

- Editors
- Liaison Rapporteurs
- Delegates

- TSB Study Group Secretariat (ITU staff): Counsellor/Advisor/Engineer and Assistant(s) tsbsg20@itu.int

SG Management team

SG Leadership team

Other types of groups and activities

Regional groups	• Encourage participation, particularly among developing countries, focusing on regional issues.
Focus groups	• Identify and address gaps in standardization efforts, advance the work of ITU-T, encourage participation by non-members of ITU-T.
Joint Coordination Activities (JCAs)	• Coordinate activities on topics of relevance across ITU-T Study Groups. They report either to TSAG or to the lead study group.
Intersector Rapporteur groups (IRGs)	• Coordinate the progress of specific topics of mutual interest between sectors of the ITU.
Workshops, special projects, etc.	• Delivers workshops, special projects etc.

ITU-T Regional Groups

Resolution 54 (Rev. Geneva, 2022) of the **World Telecommunication Standardization Assembly (WTSA)** resolves to support the creation of regional groups in **Study Groups**.

Africa Region

Americas Region

Arab Region

EECAT Region

Asia and Pacific region

ITU-T Focus Groups (active)

FG-TBFxG
- ITU-T Focus Group on Testbeds Federations for IMT-2020 and beyondcc

FG-AI4A
- ITU-T Focus Group on Artificial Intelligence and Internet of Things for Digital Agriculture

FG-AI4NDM
- ITU-T Focus Group on AI for Natural Disaster Management

FG-CD
- ITU-T Focus Group on Cost models for affordable data services

FG-MV
- ITU-T Focus Group on Metaverse

FG-AN
- ITU-T Focus Group on Autonomous Networks

FG-AI4H
- ITU-T Focus Group on Artificial Intelligence for Health

ITU-T Joint Coordination Activities

- Joint Coordination Activity on Digital COVID 19 Certificates (JCA-DCC)
- Joint Coordination Activity on Accessibility and Human factors (JCA-AHF)
- Joint Coordination Activity on Child Online Protection (JCA-COP)
- Joint Coordination Activity for Identity Management (JCA-IdM)
- Joint Coordination Activity for IMT-2020 and Beyond (JCA-IMT2020)
- Joint Coordination Activity on Internet of Things and Smart Cities & Communities (JCA-IoT and SC&C)
- Joint Coordination Activity on Machine Learning (JCA-ML)
- Joint Coordination Activity on Quantum Key Distribution Network (JCA-QKDN)
- Joint Coordination Activity on Multimedia Aspects for E-services (JCA-MMeS)

Intersector Rapporteur Groups (IRGs)

- Intersector Rapporteur Group Audiovisual Media Accessibility (IRG-AVA)
- Intersector Rapporteur Group Audiovisual Quality Assessment (IRG-AVQA)
- Integrated Broadcast-Broadband (IBB) (IRG-IBB)

Thank you!

Questions? Interested in learning more?

Let us know!

tsbsg20@itu.int

Marco Carugi – SG20 Mentor (marco.carugi@gmail.com)