



General overview of ITU-T SG3 and its Regional Groups

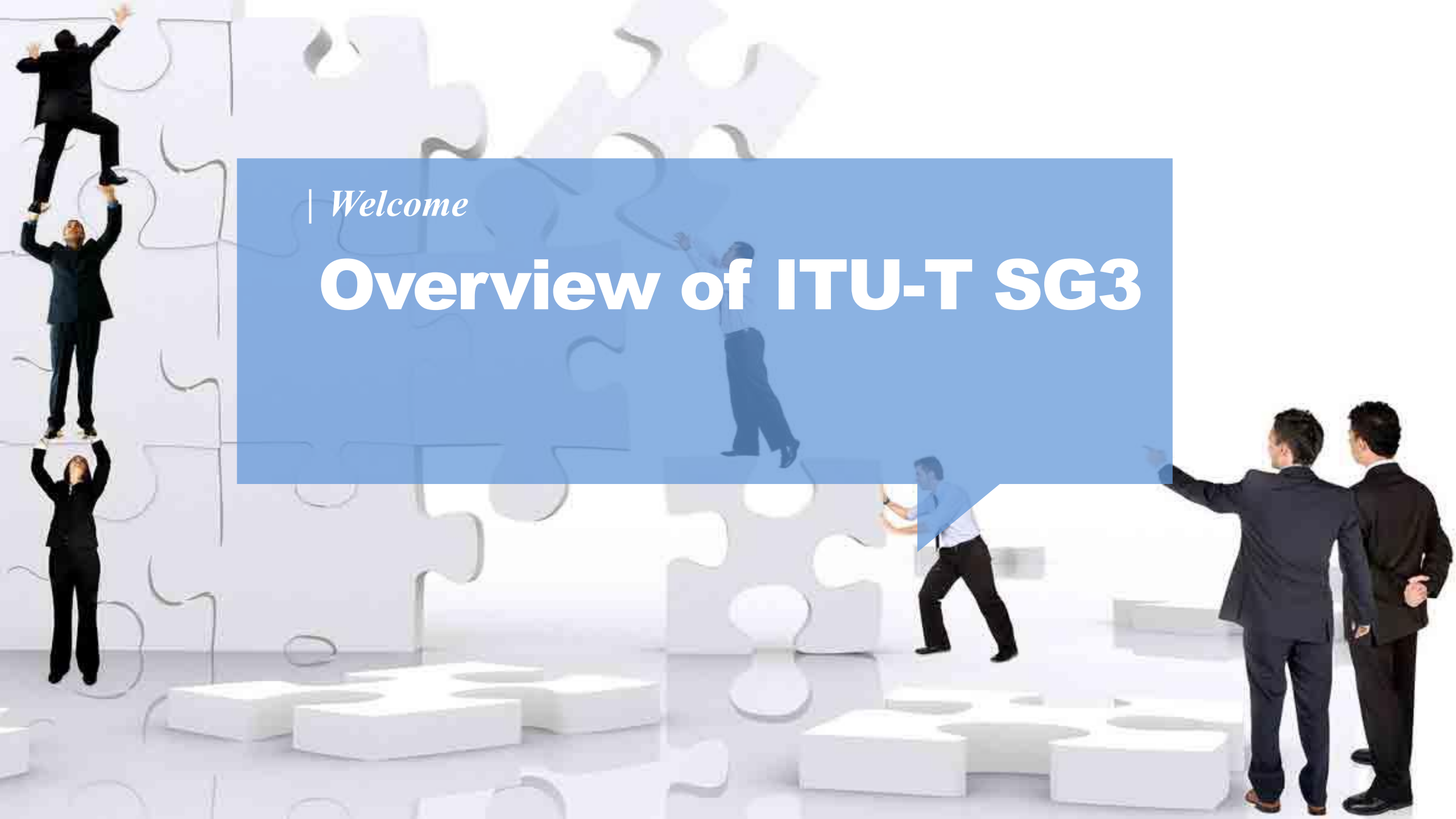


**Tariff and accounting principles and
international telecommunication/ICT
economic and policy issues**

Lara Srivastava, JD, PhD
Counsellor, ITU-T SG3

| *Welcome*

Overview of ITU-T SG3

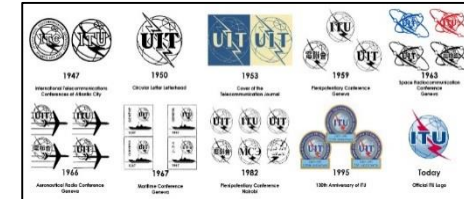


About ITU-T Study Group 3

- The new mandate of SG3 for the 2017-2020 study period was confirmed by WTSA-16 in Hammamet.
- Study Group 3 is responsible for, *inter alia*:
 - for studying international telecommunication/ICT **policy and economic issues** and **tariff and accounting matters** (including costing principles and methodologies),
 - with a view to informing the development of **enabling regulatory models and framework**
 - WTSA-16 Resolution 2 goes on to say that SG3:
 - ...” will study **the economic and regulatory impact of the Internet**, convergence (services or infrastructure) and new services, such as OTT, on international telecommunication services and networks.”
- SG3 is Lead Study Group:
 - on tariff and accounting principles relating to international telecommunication/ICT
 - for economic issues relating to international telecommunication/ICT
 - for policy issues relating to international telecommunication/ICT

ITU's long history and solid mandate in this area

- ITU's work on tariffs and interconnection dates back to the origins of the ITU and as such, it can be said that it is part of the very DNA of the organization.
- On tariff issues, **ITU-T Study Group 3** is the successor of *Committees of Rapporteurs* (later renamed study groups) dating back to **1928**, and has a long-standing mandate on economic and policy issues.



Assembly	Study Group	Name of Study Group
1926	6e Commission de Rapporteurs 7e Commission de Rapporteurs	Exploitation Trafic et exploitation
1927	6e Commission de Rapporteurs	Trafic et exploitation
1928- 1954	7e Commission de Rapporteurs	Tarification / Tarification téléphonique

Mandate of SG3 over the past 5 Study Periods (1997-2016)

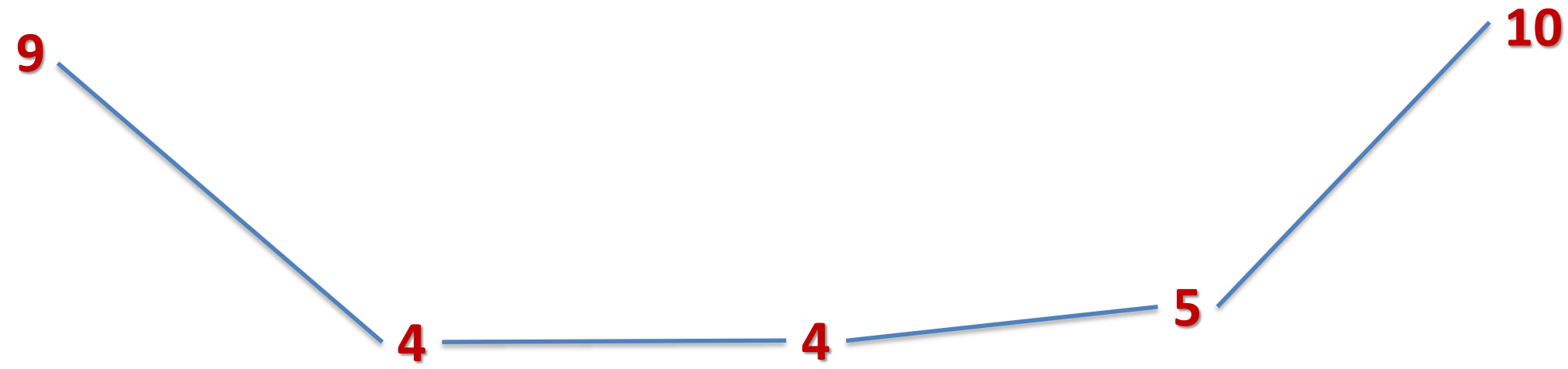
SG3 Mandate 1997-2000

- **Tariff and accounting principles** for international telecommunications services;
- Related telecommunication **economic and policy issues**,
- **Policy issues** related to **carriage and content**

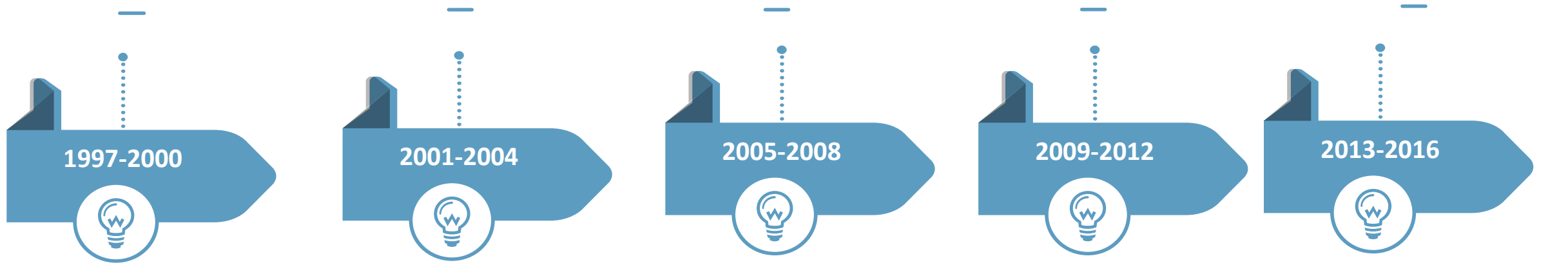
SG3 Mandate 2001-2016

- **Tariff and accounting principles** for international telecommunication services and study of related telecommunication **economic and policy issues**.
- To this end, Study Group 3 shall in particular foster collaboration among its Members with a view to the establishment of **rates at levels as low as possible** consistent with an efficient service and taking into account the necessity for maintaining independent financial administration of telecommunication on a sound basis.

ITU-T SG3 Questions over the past 5 Study Periods (1997-2016)



9 Questions 4 Questions 4 Questions 5 Questions 10 Questions





| *Study Period (2013-2016)*

Highlights of achievements

ITU-T SG3: A Truly Global and Diverse Forum

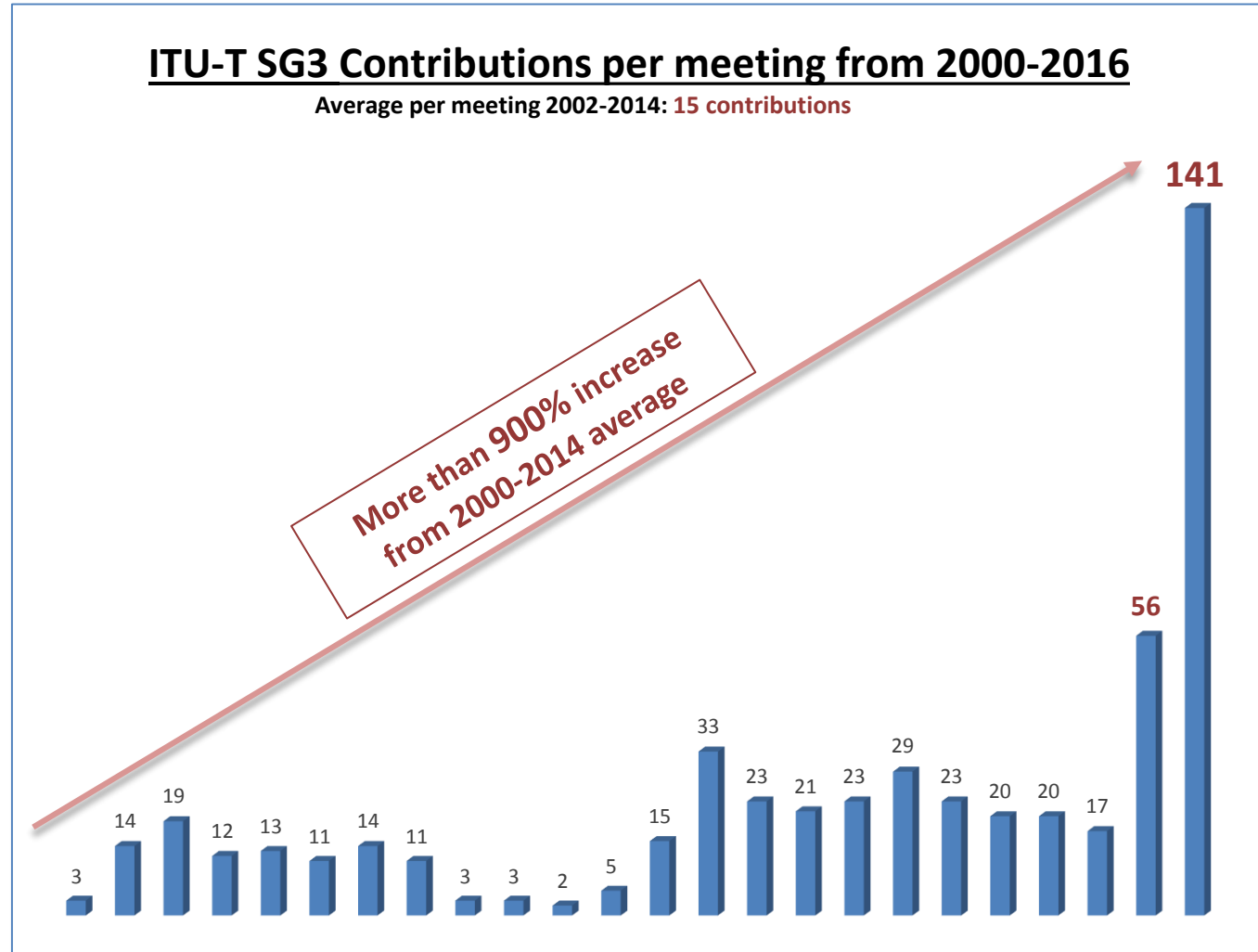
Written contributions were submitted by **77** distinct members to the last SG3 Meeting (April 2017)



**Member States, Regulators, Regional Organizations,
Operating Agencies, Research Centers, Academia, User Groups**



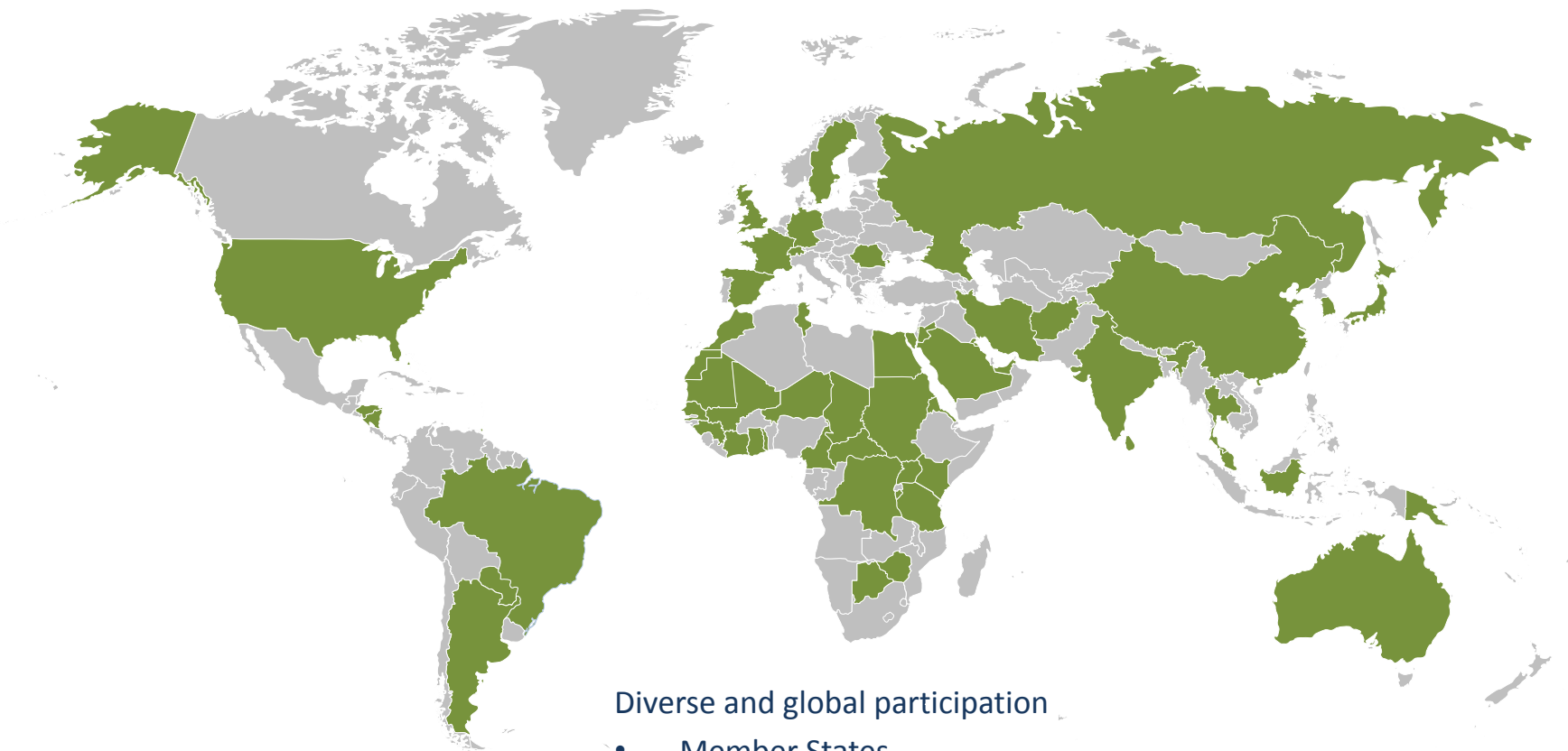
Increase in Number and Quality of Contributions to ITU-T SG3



Renewed interest driven by the approval of new Questions by TSAG in June 2015

ITU-T SG3: International Decision-Making at its Best

112 participants met in Geneva for the 2017 **SG3 meeting**



Diverse and global participation

- Member States
- Regulators
- International Organizations
- Regional Organizations

Recommendations Determined by SG3 and approved by WTSA-16

New

Revised

ITU-T D.52

“Establishing and connecting regional Internet Exchange Points (IXPs) to reduce costs of international Internet connectivity”

ITU-T D.97

“Methodological principles for determining international mobile roaming rates”

ITU-T D.53

“International aspects of Universal Service”

ITU-T D.261

“Principles for market definition and identification of operators with significant market power”

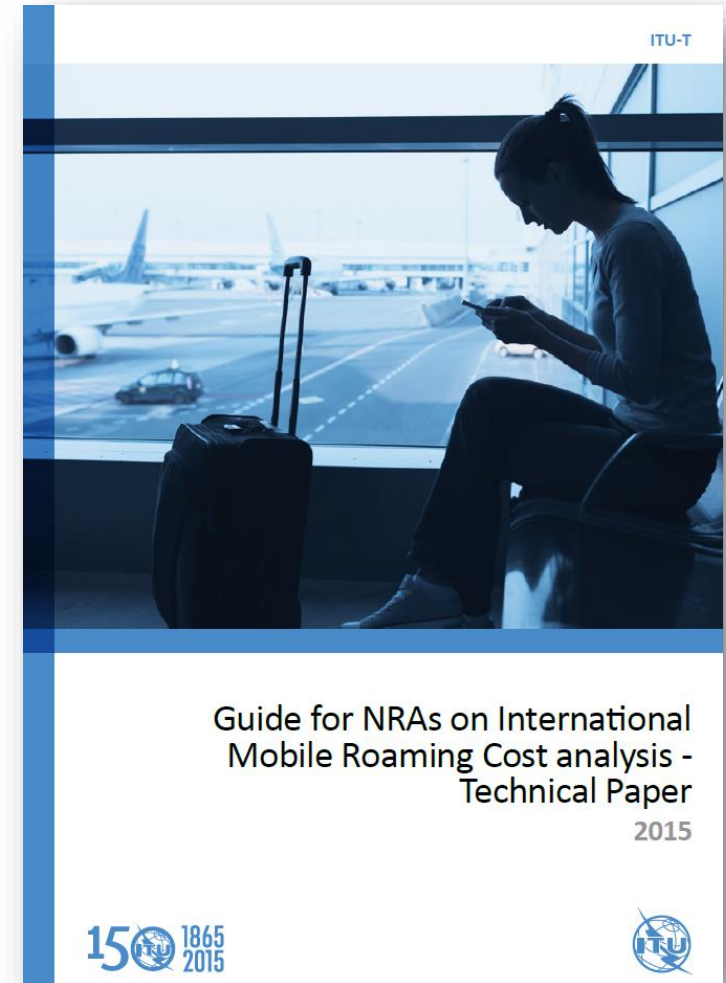
ITU-T D.271

“Charging and accounting principles for Next-Generation Network (NGN)”

Other SG3 publications

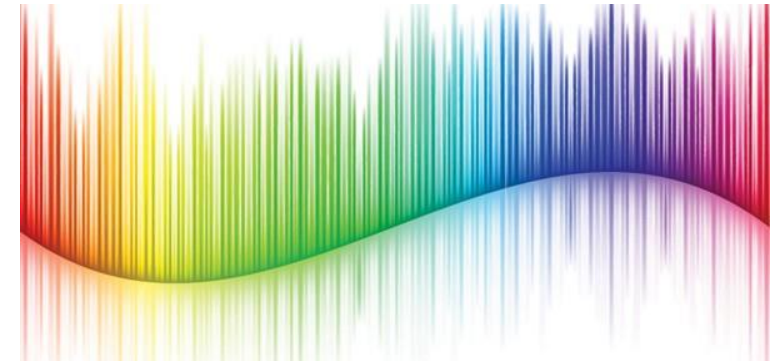
The technical guide “[Guide for NRAs on International Mobile Roaming Cost analysis](#)” and the online “[ITU International Mobile Roaming Cost Analysis Tool](#)” were developed in response to calls from ITU members for greater clarity on the degree to which the prices that consumers pay for roaming services are commensurate with their costs. Following a trial of a basic version of the online cost model, it was expanded to provide regulators with a more comprehensive tool to guide analyses of potential introductions of caps on mobile roaming tariffs.

The [ITU International Mobile Roaming Cost Analysis Tool](#) is designed to help forecast the cost of international mobile roaming voice calls compared to domestic mobile voice calls. The tool is available on <http://www.itu.int/net4/roamingtool/>



Other SG3 publications

Technical report on the economic impact of OTTs



Technical report on Methodologies for spectrum valuation



| *Regional groups*

ITU-T SG3 Regional Groups

SG3: Global footprint across 6 Regions

SG3RGs	SG Regional Groups
<u>SG3RG-AFR</u>	Regional Group for Africa
<u>SG3RG-AO</u>	Regional Group for Asia and Oceania
<u>SG3RG-ARB</u>	Regional Group for the Arab Region
<u>SG3RG-EECAT</u> <i>(former RCC/CIS)</i>	Regional Group for Eastern Europe, Central Asia and Transcaucasia
<u>SG3RG-LAC</u>	Regional Group for Latin America and the Caribbean
<u>SG3RG-EURM</u>	Regional Group for Europe and the Mediterranean Basin



Location and dates of SG3 Regional Groups Meetings (2013-2016)



ITU-T SG3 Regional Group for the Arab Region (SG3 RG-ARB)

29-30 October 2013 (Manama, Bahrain)
24-25 November 2014 (Kuwait City, Kuwait)
30 November – 2 December 2015 (Manama, Bahrain)
26-29 July 2016 (Tunis, Tunisia)



ITU-T SG3 Regional Group for RCC/CIS (SG3RG-RCC/CIS)

4 December 2015 (Baku, Azerbaijan)
3-4 August 2016 (Saint Petersburg, Russian Federation)



ITU-T SG3 Regional Group for Asia and Oceania (SG3 RG-AO)

8-10 April 2013 (Tokyo, Japan)
1-2 September 2014 (Yangon, Myanmar)
29 September – 1 October 2015 (Kuala Lumpur, Malaysia)
20-23 September (New Delhi, India)

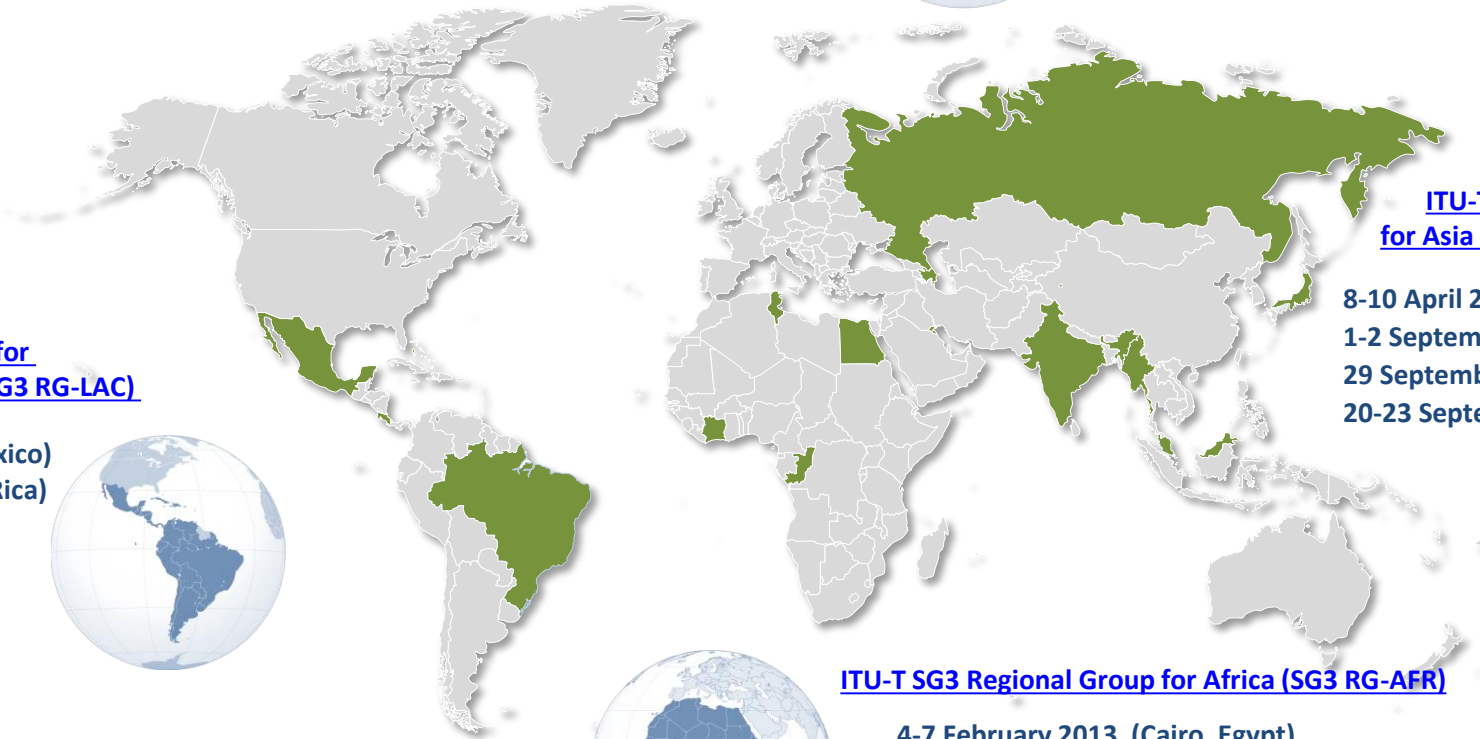
ITU-T SG3 Regional Group for Latin America and the Caribbean (SG3 RG-LAC)

19-22 March 2013 (Mexico City, Mexico)
13-14 March 2014 (San Jose, Costa Rica)
22-24 April 2015 (Nassau, Bahamas)
16-17 June 2016 (Brasilia, Brazil)

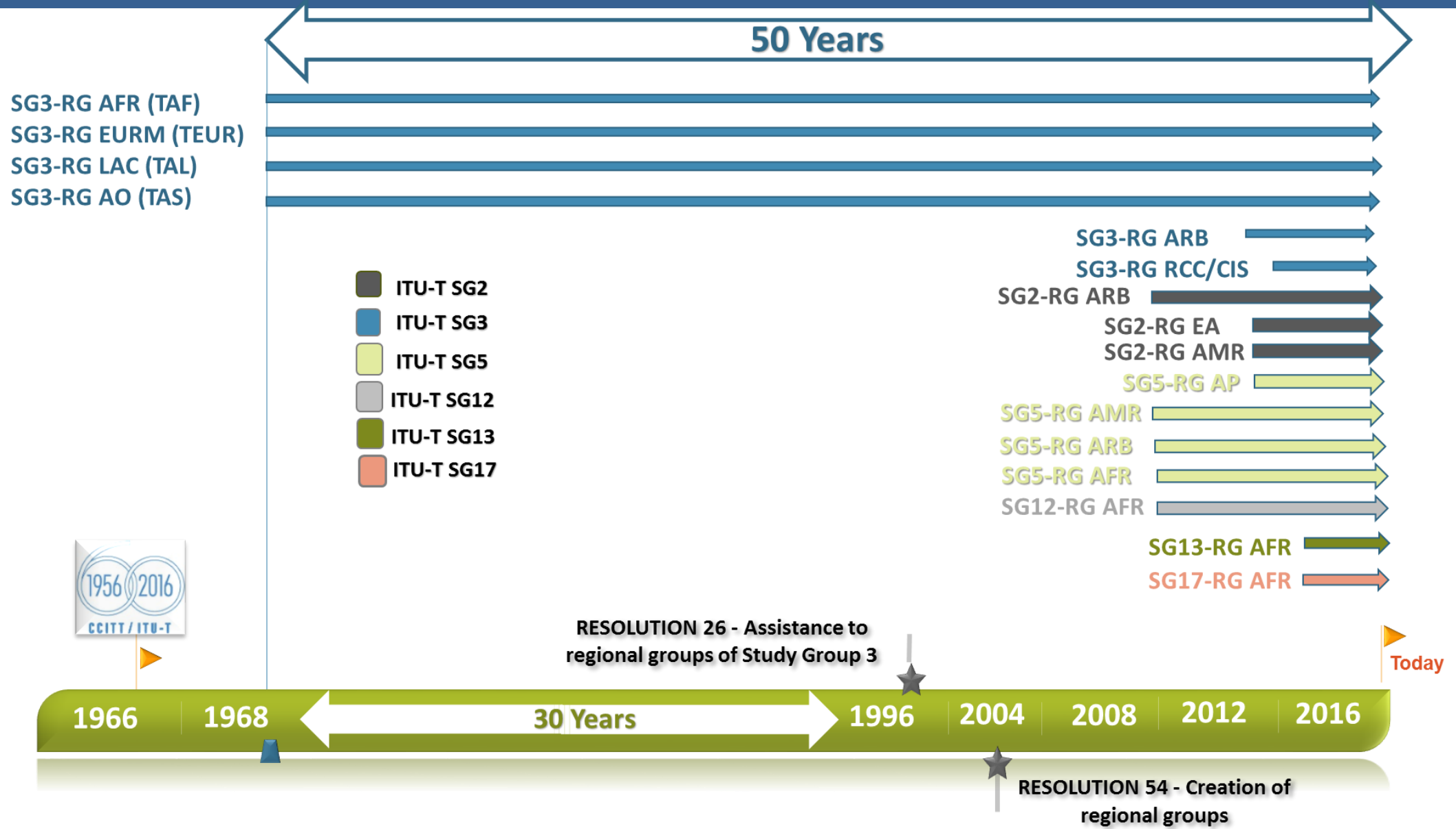


ITU-T SG3 Regional Group for Africa (SG3 RG-AFR)

4-7 February 2013 (Cairo, Egypt)
20-21 February 2014 (Congo, Brazzaville)
3-5 February 2015 (Sao Tome, Sao Tome and Principe)
19-21 January 2016 (Abidjan, Cote d'Ivoire)



ITU-T Regional Groups - Long History and global presence of SG3 RG





| *Study Period (2017-2020)*

Future work

SG3: Agreed new structure with 4 Working Parties (1/2)

WP1/3	Charging and accounting/settlement mechanisms
Q1/3	Development of charging and accounting/settlement mechanisms for international telecommunications services using the next-generation networks (NGNs), future networks, and any possible future development, including adaptation of existing D-series Recommendations to the evolving user needs
Q2/3	Development of charging and accounting/settlement mechanisms for international telecommunications services, other than those studied in Question 1/3, including adaptation of existing D-series Recommendations to the evolving user needs
Q13/3*	Study of Tariff, Charging Issues of Settlements Agreement of Trans-multi-country Terrestrial Telecommunication Cables
WP2/3	General economic and policy factors related to provision and cost of ICT services
Q3/3	Study of economic and policy factors relevant to the efficient provision of international telecommunication services
Q4/3	Regional studies for the development of cost models together with related economic and policy issues
Q8/3	Alternative calling procedures and misappropriation and misuse of facilities and services including calling line identification (CLI), calling party number delivery (CPND) and origin identification (OI).
Q12/3*	Tariffs, Economic and Policy Issues Pertaining to Mobile Financial Services (MFS)

SG3: Agreed new structure with 4 Working Parties (2/2)

WP3/3

General economic and policy factors related to the enablers of ICT services

[Q6/3](#)

International Internet connectivity including relevant aspects of Internet protocol (IP) peering, regional traffic exchange points, cost of provision of services and impact of transition from Internet protocol version 4 (IPv4) to Internet protocol version 6 (IPv6)

[Q11/3](#)

Economic and policy aspects of big data and digital identity in international telecommunications services and networks

WP4/3

General economic and policy factors related to the regulatory aspects of mobile communications, competition and convergence

[Q7/3](#)

International mobile roaming issues (including charging, accounting and settlement mechanisms and roaming at border areas)

[Q9/3](#)

Economic and regulatory impact of the Internet, convergence (services or infrastructure) and new services, such as over the top (OTT), on international telecommunication services and networks

[Q10/3](#)

Definition of relevant markets, competition policy and identification of operators with significant market power (SMP) as it relates to the economic aspects of the international telecommunication services and networks

Key Topics for upcoming meetings

Economic Impact of OTT

- Work items: OTT bypass, OTT-MNO partnership
- Base Text for a draft Recommendation
- Baseline text for a technical Report

Mobile Financial services

- Work items: Guidelines for MFS Agents and E-money issuers, Consumer Protection, cost-model for transactions, Interoperability for Competition,
- Text for a draft Recommendation

Significant Market Power

Work items: Quantifying Cross-border market power, Impact of Dynamic Tariffing on Market Competitiveness

Key Topics for upcoming meetings

Guidelines for digital identity

IoT and M2M Roaming

Economic and
policy aspects of
Big Data

IIC Cost model

Shared use of
spectrum and
infrastructure

Mechanisms for
pricing of
licenses

SG3: Meetings over the next 11 months (1/2)

Meetings	Location	Dates and Duration
SG3RG-AO Regional Group for Asia and Oceania	Seoul, Korea (Rep.of)	October 2017 4 days
SG3RG-ARB Regional Group for the Arab Region	Riyadh, Saudi Arabia	November 2017 3-4 days
SG3RG-AFR Regional Group for Africa	TBD	January 2018 4-5 days
SG3RG-LAC Regional Group for Latin America and the Caribbean	TBD	February or March 2018 3-4 days
SG3RG-EECAT Regional Group for Eastern Europe, Central Asia and Transcaucasia	Moscow	March 2018 (TBC) 3-4 days
SG3 (To include a Workshop on economic and policy aspects of Artificial Intelligence)	Geneva, Switzerland	9-18 April 2018 8 days

SG3: Meetings over the next 11 months (2/2)

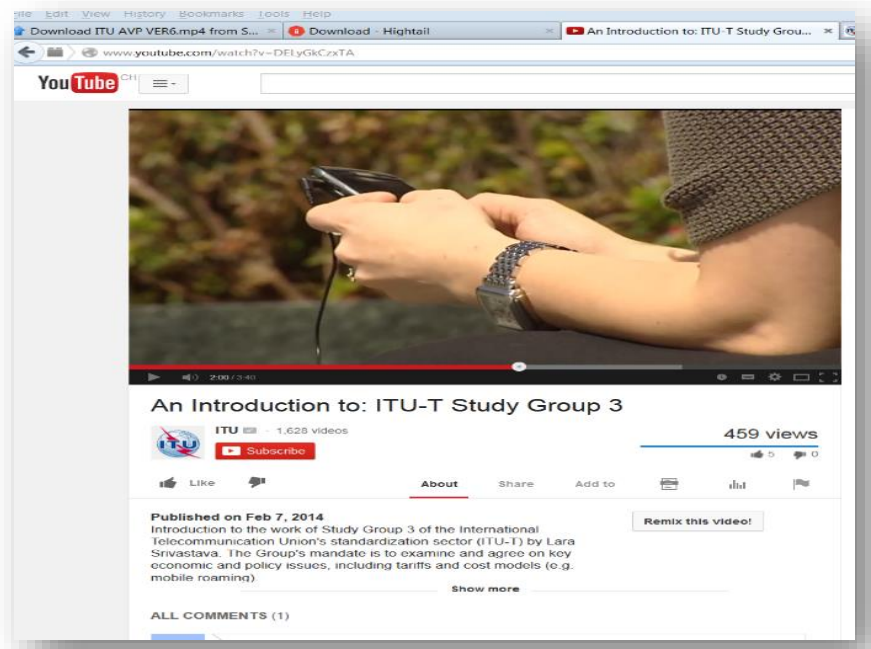
Meetings	Location	Dates and Duration
Rapporteur Group Meeting for Q9/3	Geneva, Switzerland	4 December 2017
Rapporteur Group Meeting for Q11/3	Geneva, Switzerland	5 December 2017
Rapporteur Group Meeting for Q12/3	Geneva, Switzerland	6-7 December 2017
Rapporteur Group Meeting for Q13/3	Geneva, Switzerland	30 November 2017
Rapporteur Group Meeting for Dispute Resolution	Geneva, Switzerland	1 December 2017
Rapporteur Group e-Meeting for Q3/3	E-Meetings (TBC)	December 2017
Rapporteur Group e-Meeting for Q7/3		
Rapporteur Group e-Meeting for Q9/3		

| *Study Period (2017-2020)*

SG3 Online Resources



Videos on SG3




Tackling the cost of international mobile roaming



Introduction to ITU-T Study Group 3



SG3 SHAREPOINT Collaboration space



ITU-T

SG3

Initiatives ▾
Study Groups ▾
Rapporteur Group Meetings
Focus Groups ▾
Roadmaps
Support-FAQs

- SG3 Home
- PLEN/3
- WP1/3
- WP2/3
- WP3/3
- WP4/3
- Q2/3
- Q9/3
- Community**
- Home
- Categories
- Members
- About

ITU-T SG3 Collaboration Site

Economic and policy issues

ITU-T Study Group 3 (SG3) deals with tariff and accounting principles and telecommunication/ICT economic and policy issues.

The list of work items under study in SG3 can be consulted in the [ITU-T Work Programme for SG3](#). Each work item (WI) is identifiable by a Question. For the 2017-2020 Study Period, ITU-T SG3 has **13 questions under study** (Q1/3 to Q13/3). The list of Rapporteurs and Associate Rapporteurs can be accessed [here](#).


This Sharepoint site provides each Working Party, Rapporteur Group and Ad-Hoc Group with a shared workspace in which to engage in discussions and share documents. There is also a space for the SG3 Management Team. The Chairman of SG3 is Seiichi Tsugawa (KDDI, Japan). Please scroll down to see the full list of management team members and TSB staff and how you can contact them.

ITU-T Study Group 3 provides a unique global forum to improve the understanding of the financial and economic

SG3 Management Team (2017-2020)

Please feel free to contact us!

Seiichi TSUGAWA
Chairman



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SG3 Online tools

SG3 at a glance:

www.itu.int/tariffs

Mailing Lists and Informal FTP Area (IFA)

<https://www.itu.int/en/ITU-T/studygroups/2017-2020/03/Pages/ifa-structure.aspx>

For more information, please contact us at tsbsg3@itu.int

The screenshot shows the ITU website interface. At the top, the ITU logo and tagline "Committed to connecting the world" are visible, along with the hashtag #ICT4SDG. A search bar is present. The navigation menu includes "ITU", "General Secretariat", "Radiocommunication", "Standardization", "Development", "ITU Telecom", "Members' Zone", and "Join ITU". Below the menu, the page title is "SG3: Tariff and accounting principles and international telecommunication/ICT economic and policy issues". The breadcrumb trail reads: "YOU ARE HERE HOME > ITU-T > STUDY GROUPS > STUDY PERIOD 2017-2020 > SG3". There are social media share icons for Facebook, Twitter, LinkedIn, and YouTube. The page content is organized into sections: "Contact", "SG3 at a glance", "Mandate and lead roles", "Structure", "Questions under study", "Management team", "Rapporteurs", "Editors", "Representatives and other roles", "Approved deliverables", and "Recommendations". On the right side, there are tabs for "Tools", "Documentation", and "News". Under "MEETINGS IN FOCUS", the "Meeting of Study Group 3 Geneva, Switzerland 5-13 April 2017" is highlighted, with sub-items for "Announcement", "Registration", "Agenda", "Meeting Time Plan", "Meeting Room Allocation", "Webcasts", and "Executive Summary of last SG3 meeting (22 February - 1 March 2016)". Under "MEETING DOCUMENTS", there are sub-items for "Documents [All Docs - Cs - TDs - LS In - LS Out]", "Recently posted - Search", "Meeting Reports", "Informal FTP area (IFA)", "Direct Document Posting", "Document sync tool", "Document Templates", and "Author's Guide". A list of links is provided under "News", including "ITU Guide for NRAs on International Mobile Roaming Cost analysis", "Online Tool for International Mobile Roaming Cost Analysis", "Apply for TIES account (members only)", "ITU-T SG3 SharePoint collaboration site", "Informal FTP area and mailing lists archives", "Delegate resources", "Electronic Working Methods (EWM)", "Document sync tool", "ITU-T Recommendation number allocation list", "ITU-T Recommendation series structure", and "Standards Q&A".

“ITU’s technical standardization work is predominantly industry-driven, with business requirements forming the main fuel to standardization. ITU-T **Study Group 3** is taking action in response to the perception among ITU members that the **alignment of technology, business and policy** will see significant improvement if technical standardization grants **equal weight** to **technical innovation, business needs and policy requirements**.

Chaesub Lee, TSB Director

Click [here](#) for the ITU Press Release 09.03.16

**ITU-T SG3
is strengthening ties
between technology,
business and policy
for a new era in
international
standardization**

