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| Title: ITU logo | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2022-2024 | | TSAG-TD030 | | |
| **TSAG** | | |
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| **TD** | | | | | |
| **Source:** | | Chairman, ITU-T Study Group 3 | | | |
| **Title:** | | ITU-T SG3 Lead Study Group Report | | | |
| **Purpose:** | | Information | | | |
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| **Keywords:** | ITU-T SG3; Lead Study Group; |
| **Abstract:** | This TD reports on the progress to date on the lead study group roles of ITU-T SG3. It updates on activities since WTSA-20 and the last TSAG meeting (virtual, 10-17 January 2022). |

**Report of Lead Study Group 3 Activities**

WTSA-20 assigned three lead study group function to Study Group 3 on the following topics:

* Tariff and accounting principles relating to international telecommunication/ICT
* Economic issues relating to international telecommunication/ICT
* Policy issues relating to international telecommunication/ICT.

## 1 Achievements

Annex 1 provides a set of tables that lists the results, between 10 March 2022 and 11 November 2022, of ITU-T SG3 concerning its work on Recommendations on the above lead study group topics. SG3 has currently not identified any other work on economic and policy issues in the other ITU-T study groups, but is aware of some related activities in certain cases.

## 2 Ongoing work

For the Study Period 2022-2024, ITU-T SG3 held its first meeting in Geneva from 23-27 May 2022. SG3 also held a one-day Plenary meeting in Geneva on 11 November 2022.

Annex 2 presents recommendations and other texts in scope of the above lead study group functions currently under development in ITU-T study groups.

**3 Lead study group on tariff and accounting principles relating to international telecommunication/ICT**

The studies on accounting principles are being carried out by Q1/3, Q4/3, Q7/3, and Q12/3.

**4 Lead study group for economic and policy issues relating to international telecommunication/ICT**

The studies on economic and policy issues are being carried out by Q3/3, Q4/3, Q6/3, Q7/3, Q9/3, Q10/3, Q11/3, and Q12/3. The activities on economic issues are summarized as follows.

## 5 Implementation of ITU Resolutions

SG3 as Lead Study Group on tariff and accounting principles, on economic issues, and on policy issues relating to international telecommunication/ICT considers:

* Implementation of WTSA Resolutions 29, 44, 54, 61, 62, 64, 65, 84, 88, 89, and 95;
* Implementation of PP Resolutions 2, 21, 101, 102, 123, 130, 137, 146, 180, 197, 203, 204, 205, and 206;
* Implementation of WTDC Resolutions 22, 23, 63, and 77;
* Implementation of WCIT-12 Articles/Resolutions: 3.7, 4.4, 4.5, 4.6, 4.7, 8.1.1, 8.1.2, 8.2.1, 8.3.1, Appendix 1/1.2, Appendix 1/3.1.3, and Resolution 5 (Dubai 2012).

SG3 mapped out significant items of relevance for the work of SG3 related to the outcomes of Plenipotentiary Conference (PP-22), World Telecommunication Standardization Assembly (WTSA-20), World Telecommunication Development Conferences (WTDC-22), and World Conference on International Telecommunications (WCIT-12), as contained in [SG3-[TD62/PLEN](https://www.itu.int/md/T22-SG03-221111-TD-PLEN-0062)](https://www.itu.int/md/T22-SG03-221111-TD-PLEN-0062).

**6 Engagement of developing countries**

SG3 has six regional groups, of which five regional groups are active, and one regional group is established on an as-needed basis. In the reporting time frame, three regional groups of SG3 met with strong participation of developing countries, which helped to prepare the SG3 meetings.

* Report of SG3 Regional Group for Africa (SG3RG-AFR) meeting held virtually, 2-5 May 2022 ([SG3-TD22/PLEN](https://www.itu.int/md/T22-SG03-220523-TD-PLEN-0022/en)).
* Report of SG3 Regional Group for Asia and Oceania (SG3RG-AO) meeting held in New Delhi, India, 9-12 August 2022 ([SG3-TD64/PLEN](https://www.itu.int/md/T22-SG03-221111-TD-PLEN-0064)).
* Report of SG3 Regional Group for Latin America and the Caribbean (SG3RG-LAC) meeting held virtually, 6-7 September 2022 ([SG3-TD65/PLEN](https://www.itu.int/md/T22-SG03-221111-TD-PLEN-0065)).

**7 Capacity building**

* Bridging the Standardization Gap (BSG) activities are highlighted at meetings as a measure to build capacity and to improve working methods in study group functions.
* Tutorials and guidelines on the presentation, format and submission of contributions are routinely presented at meetings in order to advance the work of ITU-T SG3.

## 8 Cooperation with ITU-T Lead Study Groups, and with TSAG

During the May 2022 meeting, SG3 sent the following liaison statements:

* To SG2 and SG16 on OTTs,
* To SG5, SG9, and SG20 on SG3 Representatives to each respective group,
* To SG11 on terms and definitions,
* To SG17 on coordination for Identity Management, security contacts and information on security-related Recommendations or other texts under development,
* To SG13, SG17, SG20 on draft Technical Report, “Economic and policy aspects of Big Data in international telecommunication services and networks”, and
* To all ITU-T study groups on deletion of UPT recommendations.

During the November 2022 meeting, SG3 sent the following liaison statement:

* To SG16 on OTTs,
* To SG13 on draft new Technical Report on “IMT2020-Related Policy Considering MVNOs”

# 9 Cooperation with other Coordination Groups

During the May 2022 meeting, SG3 sent the following liaison statements:

* To Standardization Committee for Vocabulary (SCV) on SG3 Representative to SCV,
* To Joint Coordination Activity on Internet of Things and Smart Cities and Communities (JCA-IoT and SC&C) on SG3 Representative to JCA-IoT and SC&C, and
* To Joint Coordination Activity on IMT2020 and Beyond (JCA-IMT2020) on SG3 Representative to JCA-IMT2020.

# 10 Collaboration with ITU-D, and Collaboration with ITU-R

During the May 2022 meeting, SG3 sent the following liaison statements:

* To ITU-D Study Group 1 and ITU-D Study Group 2 on SG3 Representative to ITU-D and topics of common interest

During the November 2022 meeting, SG3 sent the following liaison statements:

* To ITU-D Study Group 1 (Question 4/1) on:
  + Draft new Technical Report on regional initiatives relating to international roaming
  + Draft new Technical Report on roaming aspects of IoT and M2M
  + Draft new Technical Report on “IMT2020-Related Policy Considering MVNOs”
* To ITU-D Study Group 2 (Question 1/2) on Draft new Technical Report on roaming aspects of IoT and M2M
* To ITU-D Study Group 1 (Question 5/1) on Draft new Technical Report “Use of Distributed Ledger Technology to improve management of Universal Service Fund”

ITU organized (jointly among the ITU-T and ITU-D) a workshop on “Economic and fiscal incentives to accelerate digital transformation of data and applications over telecommunication infrastructure”, which took place from 3 to 4 November 2022, Geneva, Switzerland; see <https://www.itu.int/en/ITU-T/Workshops-and-Seminars/2022/1103/Pages/default.aspx>

## Annex 1 Achievements of ITU-T Study Groups on Tariff and accounting principles relating to international telecommunication/ICT, Economic issues relating to international telecommunication/ICT, Policy issues relating to international telecommunication/ICT (From 10 March 2022 until 11 November 2022)

**a) Recommendations approved**

None.

**b) Supplements agreed**

None.

**c) Draft Recommendations determined**

None.

**d) Technical Reports/Papers agreed, Implementer’s guide approved**

None.

**e) Recommendation deleted**

ITU-T D.280, *Principles for charging and billing, accounting and reimbursements for universal personal telecommunication.*

## Annex 2 Current work plan of ITU-T Study Groups on Tariff and accounting principles relating to international telecommunication/ICT, Economic issues relating to international telecommunication/ICT, Policy issues relating to international telecommunication/ICT (status 17 November 2022)

| **SG** | **Q** | **No.** | **Title** |
| --- | --- | --- | --- |
| SG3 | 1 | STUDY\_DR\*\* | Dispute Resolution Processes (previously "Dispute Resolution Related to Charging and Invoicing") |
| SG3 | 1 | TR\_AccountingIOT\*\* | Accounting & Billing aspects in IoT ecosystem |
| SG3 | 1 | TR\_DLTUSF\*\* | Use of distributed ledger technology to improve management of the Universal Service Fund |
| SG3 | 3 | D.Classification\* | Classification of telecommunications services in data networks |
| SG3 | 3 | D.datatariff\* | Principles for tariff regulation of Data Services |
| SG3 | 3 | D.GVR\* | Towards better governance of telecommunication regulation |
| SG3 | 3 | D.IoTpolicy\* | Guidelines on Tariff and regulatory aspects of Internet of Things (IoT) |
| SG3 | 3 | D.Licensing\* | Mechanisms for pricing of licenses for mobile/broadband/fixed |
| SG3 | - | DSTR-LAN\*\* | Assessment of the socio-economic impact of Local Area Networks using technologies including Wi-Fi, New Radio -Unlicensed (NR-U) on consumers in Asia and Oceania |
| SG3 | - | DSTR-USO\*\* | Regional Technical Report ITU-T DSTR-USO "Economic and policy factors relevant to the provision of Universal Service Obligations (USO)" |
| SG3 | 3 | STUDY\_DTRANS\*\* | Future of Regulation for Digital Transformation |
| SG3 | 3 | STUDY\_EPQoS\*\* | Study of economic and policy factors relevant to the efficient provision of international telecommunication services |
| SG3 | 3 | STUDY\_IMT2020MVNOs\*\* | 5G related policy considering MVNOs |
| SG3 | 6 | D.50.Suppl.3\*\* | Reducing the cost of the international Internet connectivity of the Central African Backbone (CAB) project, Central African Republic component |
| SG3 | 6 | D.BGPE\* | Proposed new recommendation on International Internet Connectivity |
| SG3 | 6 | D.CompIIC\* | Draft Recommendation ITU-T D.XX on Framework for the Competitive Provision of International Internet Connectivity (IIC) |
| SG3 | 6 | D.CostModelIIC\* | Cost model for international Internet connectivity |
| SG3 | 6 | STUDY\_IIC\*\* | International Internet Connectivity, including IP peering, Regional Traffic Exchange Points, and cost of provision of services |
| SG3 | 6 | STUDY\_TCST\*\* | Charging and accounting settlements in Trans-multi-country terrestrial cable circuit |
| SG3 | 7 | D.IoT/M2M Roaming\* | Roaming aspects of IoT and M2M including any related development and tariff principles |
| SG3 | 7 | STUDY\_ROAMREG\*\* | Regional Roaming Initiatives |
| SG3 | 7 | TR\_DLT\*\* | Usage of Distributed Ledger Technology (DLT) to handle accounting, policy, regulatory and economic issues in the international telecommunications/ICT domain |
| SG3 | - | D6\_R\_ROAM\*\*\* | Regional Recommendation to address high roaming charges, regulatory approaches and impact on traffic |
| SG3 | - | D7\_R\_ROAM\*\*\* | Regional Recommendation to address high roaming charges, regulatory approaches and impact on traffic |
| SG3 | - | D.502R\*\*\* | Regional Recommendation for Asia-Oceanic (AO) region on the aspects of International Mobile Roaming |
| SG3 | 7 | TR\_IoTM2M\_roaming\*\* | Roaming aspects of IoT and M2M including any related development and tariff principles |
| SG3 | 8 | D.SIMBOX\* | Economic impact of SIMBOX bypass |
| SG3 | 8 | STUDY\_ACPMI\*\* | Alternative Calling Procedures, and misappropriation and misuse of facilities and services (CLI, CPND and OI) |
| SG3 | 9 | D.OTTBypass\* | OTT Bypass |
| SG3 | - | D7\_R\_OTTBypass\*\*\* | Regional Recommendation on OTT bypass including national and regional collaboration between Member States and operators to deal with the OTT bypass issue |
| SG3 | 9 | STUDY\_Convergence\*\* | Study on the economic impact of convergence of technology and services and the role of the Regulator |
| SG3 | 9 | TR\_OTTbypass\*\* | Technical Report on OTT bypass |
| SG3 | 9 | Study\_OTTs\*\* | Study on policy, regulatory, and economic aspects of OTTs in the context of international telecommunication/ICT services and networks |
| SG3 | 10 | D.CrossBorderSMP\* | Quantifying cross-border market power |
| SG3 | 10 | D.DynamicTariff\* | Impact of Dynamic Tariffing on Market Competitiveness |
| SG3 | 10 | D.NumberPort\* | Recommendation ITU-T "Methodological guide for determining the impact of numerical portability on competition " |
| SG3 | 11 | D.princip\_bigdata\* | ITU-T D.policy framework and principles for data protection in the context of big data relating to international telecommunication services |
| SG3 | 11 | STUDY\_bigdata\*\* | Technical Paper on economic and policy aspects of Big Data in international telecommunication services and networks |
| SG3 | 12 | D.AgentMFS\* | Guidelines for Mobile Financial Service Agents |
| SG3 | 12 | D.ConsumerMFS\* | Consumer Protection in Mobile Financial Services |
| SG3 | 12 | D.InteropCompetition\* | Interoperability for Competition in Mobile Financial Services |
| SG3 | 12 | D.MFSCM\* | Mobile Financial Services Transaction Cost Model |
| SG3 | 12 | D.MFScoop\* | Guidelines for MOU between telecommunications regulators and central banks taking into account the Zambian experience and existing MOU. |
| SG3 | 12 | STUDY\_DCB\*\* | Direct Carrier Billing |

Notes:  
\* Marked draft Recommendations are for determination.

\*\* Texts for approval by agreement (AAP/TAP not applicable)

\*\*\* Regional Recommendation

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