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| Title: ITU logo | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2022-2024 | | TSAG-TD200 | | |
| **TSAG** | | |
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| **TD** | | | | | |
| **Source:** | | Chairman, ITU-T Study Group 3 | | | |
| **Title:** | | ITU-T SG3 Lead Study Group Report | | | |
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| **Abstract:** | This TD reports on the progress to date on the lead study group roles of ITU-T SG3. It updates on activities since the last TSAG meeting (Geneva, 12-16 December 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 11 November 2022 and 10 March 2023, 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 third meeting in Geneva from 1 to 10 March 2023.

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-[TD95/PLEN](https://www.itu.int/md/T22-SG03-230301-TD-PLEN-0095/en)](https://www.itu.int/md/T22-SG03-230301-TD-PLEN-0095/en).

**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 meeting.

* Report of SG3 Regional Group for Africa (SG3RG-AFR) meeting held in Brazzaville, Republic of the Congo, 7-9 February 2023 ([SG3-TD99/PLEN](https://www.itu.int/md/T22-SG03-230301-TD-PLEN-0099/en)).
* Report of SG3 Regional Group for the Arab Region (SG3RG-ARB) meeting held in Manama, Bahrain, 30-31 January 2023 ([SG3-TD98/PLEN](https://www.itu.int/md/T22-SG03-230301-TD-PLEN-0098/en)).
* Report of SG3 Regional Group for Asia and Oceania (SG3RG-AO) meeting held virtually, 23 January 2023 ([SG3-TD97/PLEN](https://www.itu.int/md/T22-SG03-230301-TD-PLEN-0097/en)).

**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 Establishment of Focus Group

During the March 2023 meeting, SG3 established a new ITU-T Focus Group on costing models for affordable data services (FG-CostingData). The group informed relevant groups through [SG3-LS23](https://www.itu.int/net/itu-t/ls/ls.aspx?isn=29077).

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

During the March 2023 meeting, SG3 sent the following liaison statements:

* To SG2 on: 1) classification of telecommunications services in data networks and, 2) IP peering and the economic impact of IPv6 deployment,
* To SG20 on the impact of IoT/M2M on the development of emerging economies.

# 10 Cooperation with other Coordination Groups

During the March 2023 meeting, SG3 sent a liaison statement to Joint Coordination Activity on IMT2020 and Beyond (JCA-IMT2020).

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

During the March 2023 meeting, SG3 sent the following liaison statements:

* To ITU-D Study Group 1 (Question 4/1) on:
  + Revision of ITU-T Technical Report on Economic impact of OTTs and progress on work item Study\_OTTs,
  + Relevant SG3 contributions of mutual interest,
* To ITU-D Study Group 2 (Question 1/2) on the impact of IoT/M2M on the development of emerging economies,
* 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”.

## 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 11 November 2022 until 10 March 2023)

**a) Recommendations approved**

None.

**b) Supplements agreed**

None.

**c) Draft Recommendations determined**

Draft revised Recommendation ITU-T D.285, *Guiding principles for charging and accounting for intelligent network supported services*

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

* Technical Report ITU-T DSTR-IoT-DLT-Accounting: “Accounting & Billing aspects in IoT ecosystem and integrated approach using Distributed Ledger Technology (DLT)”
* Technical Report ITU-T DSTR-IoTM2M-Roaming: “Roaming Aspects of IoT and M2M”

**e) Recommendation proposed for deletion**

Recommendation ITU-T D.212, *Charging and accounting principles for the use of Signalling System No. 7* (justified by the previous deletion of Recommendation ITU-T D.280).

## 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 20 April 2023)

| **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 | - | D6\_R\_ROAM\*\*\* | Regional Recommendation to address high roaming charges, regulatory approaches and impact on traffic |
| 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 | - | D7\_R\_ROAM\*\*\* | Regional Recommendation to address high roaming charges, regulatory approaches and impact on traffic |
| SG3 | - | D7\_R\_OTT | Draft Regional Recommendation on OTT |
| SG3 | - | D.502R\*\*\* | Regional Recommendation for Asia-Oceanic (AO) region on the aspects of International Mobile Roaming |
| 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\_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.CompIIC\* | Draft Recommendation ITU-T D.XX on Framework for the Competitive Provision of International Internet Connectivity (IIC) |
| SG3 | 6 | STUDY\_TCST\*\* | Charging and accounting settlements in Trans-multi-country terrestrial cable circuit |
| SG3 | 6 | D.1040.Sup1\*\* | ITU-T D.1040.Sup1 |
| 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 | 9 | D.OTTBypass\* | OTT Bypass |
| 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 | 9 | TR\_RevEco-OTTs\*\* | Revision of Technical Report on Economic Impact of OTTs (2017) |
| 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.InteropCompetition\* | Interoperability for Competition in Mobile Financial Services |
| SG3 | 12 | STUDY\_DCB\*\* | Direct Carrier Billing |
| SG3 | 12 | TR\_ DSTR-DFSNPS\*\* | Technical Report on Cooperation frameworks between Authorities, Users and Providers for the development of the National Payments System |
| SG3 | 12 | TR\_ DSTR-ECOM\*\* | Technical Report on Development of e-commerce in developing countries through mobile money (and vice versa) |

Notes:  
\* Marked draft Recommendations are for determination.

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

\*\*\* Regional Recommendation

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