|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ITU Logo | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2017-2020 | | TSAG-TD1040 | | |
| **TSAG** | | |
| **Original: English** | | |
| **Question(s):** | | N/A | | Virtual, 25-29 October 2021 | |
| **TD** | | | | | |
| **Source:** | | Chairman, ITU-T Study Group 3 | | | |
| **Title:** | | ITU-T SG3 Lead Study Group Report | | | |
| **Purpose:** | | Information | | | |
| **Contact:** | | Seiichi Tsugawa KDDI Corporation Japan | | | Tel: +81 80 5943 9906  E-mail: [se-tsugawa@kddi.com](mailto:se-tsugawa@kddi.com) |

|  |  |
| --- | --- |
| **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 covers the period from the last TSAG meeting and addresses some anticipated activities. |

**Report of Lead Study Group 3 Activities**

WTSA-16 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 26 September 2020 and 30 August 2021, 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

ITU-T SG3 held one virtual study group meeting 24-28 May 2021, and plans to organize its final virtual SG3 meeting in this study period from 13-17 December 2021.

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.

* SG3 approved Recommendation ITU-T D.1041 “Policy and methodological principles for determining co-location and access charges”.
* SG3 determined draft Recommendation ITU-T D.1102 (D.ConsumerOTT) “Customer redress and consumer protection mechanisms for OTTs”.

## 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, 206, COM5/Rec.8;
* 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-18), World Telecommunication Standardization Assembly (WTSA-16), World Telecommunication Development Conferences (WTDC-17), and World Conference on International Telecommunications (WCIT-12), as contained in [SG3-TD291/PLEN](https://www.itu.int/md/T17-SG03-210524-TD-PLEN-0291).

**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, four regional groups of SG3 met virtually with strong participation of developing countries, which helped to prepare the May 2021 SG3 parent meeting.

* Report of SG3 Regional Group for Africa (SG3RG-AFR) meeting held virtually, 6-9 April 2021 ([SG3-TD307/PLEN](https://www.itu.int/md/T17-SG03-210524-TD-PLEN-0307))
* Report of SG3 Regional Group for Latin America and the Caribbean (SG3RG-LAC) meeting held virtually, 12-13 April 2021 ([SG3-TD308/PLEN](https://www.itu.int/md/T17-SG03-210524-TD-PLEN-0308))
* Report of SG3 Regional Group for Asia and Oceania (SG3RG-AO) meeting held virtually, 12-14 April 2021 ([SG3-TD309/PLEN](https://www.itu.int/md/T17-SG03-210524-TD-PLEN-0309))
* Report of SG3 Regional Group for the Arab Region (SG3RG-ARB) meeting held virtually, 20 April 2021 ([SG3-TD310/PLEN](https://www.itu.int/md/T17-SG03-210524-TD-PLEN-0310))

**6.1 Regional Recommendations**

During the meeting of SG3 Regional Group for Africa (SG3RG-AFR) held virtually from 26 to 29 July 2021, the following new draft regional Recommendations from the series of “Recommendations applicable to the African Region (ITU-T D.600-D.699)” were approved:

1. Recommendation ITU-T D.600R Amd.1 “Cost methodology for the regional tariff group for Africa applicable to the international automatic telephone service – Annex B: *Guidelines for implementing efficient cost models for telecommunication service tariffs in the Africa region*”
2. Recommendation ITU-T D.607R (D.ONARegionalRoaming), “*One Network Area Roaming*”

The approval of these regional Recommendations is announced in [TSB Circular 335](https://www.itu.int/md/T17-TSB-CIR-0335).

Additionally, the following new draft regional Recommendation from the series of “Recommendations applicable to the African Region (ITU-T D.600-D.699)” was determined:

1. Recommendation ITU-T D.608R “*OTT Voice Bypass*”

In the upcoming virtual meeting from 13 to 17 December 2021, SG3 will be informed of SG3RG-AFR’s decision to apply the approval process as per Section 9.2 of WTSA Resolution 1, before TSB initiates the TAP consultation for the text through the TSB Director among the member states of the regional group.

**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 2021 meeting, SG3 sent liaison statements to ITU-T SG13, SG17, and SG20 on draft new Recommendation ITU-T D.princip\_bigdata, “Policy Framework and Principles for Data Protection in the Context of Big Data Relating to International Telecommunication Services”, to ITU-T SG16 on terms and definitions defined in new SG16 work items, ITU-T SG16 and SG20 on draft Technical Report on “Accounting & Billing aspects in IoT ecosystem and integrated approach using Distributed Ledger Technology (DLT)”, and to TSAG on WTSA-20 preparations.

# 9 Cooperation with other Coordination Groups

During the May 2021 meeting, SG3 sent a liaison statement to JCA-IMT2020 on the current online version of the roadmap of IMT2020 and beyond standardization and the nomination of SG3 representative to the group.

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

During the May 2021 meeting, SG3 sent a liaison statement to ITU-D SG1 Q3/1, Q4/1 to inform on the approval of the draft new Recommendation ITU-T D.1102 (D.ConsumerOTT), “Customer redress and consumer protection mechanisms for OTTs”, and to provide the current baseline text for the draft Technical Report on “IMT2020-related policy considering MVNOs”,

## 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 (26 September 2020 - 30 August 2021)

**a) Recommendations approved**

|  |  |  |
| --- | --- | --- |
| **SG** | **No.** | **Title** |
| SG3 | ITU-T D.1041 | Policy and methodological principles for determining co-location and access charges |

**b) Supplements agreed**

None.

**c) Draft Recommendations determined**

|  |  |  |
| --- | --- | --- |
| **SG** | **No.** | **Title** |
| SG3 | ITU-T D.1102 (D.ConsumerOTT) | Customer redress and consumer protection mechanisms for OTTs |

## 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 16 August 2021)

SG3 is taking action on identified stale work items and is currently consulting with all its Rapporteurs and Editors concerning the situation; and plans to resolve the situation with decisions at its December 2021 SG3 meeting.

| **SG** | **Q** | **No.** | **Title** |
| --- | --- | --- | --- |
| SG3 | 1 | D.Framework\* | Framework for ICT service delivery with the guaranteed QoS and requested bitrate on fixed & mobile data networks, for development of efficient economic mechanisms and models of interaction in the "operator-provider-user" chain |
| SG3 | 2 | STUDY\_COMMAG\*\* | Study of the use of commercial agreements for international telecommunications services arrangements |
| SG3 | 2 | STUDY\_doublecharging\*\* | Study on ‘double charging’ in terms of accounting/settlement mechanisms for International telecommunications services |
| SG3 | 2 | STUDY\_DR\*\* | Dispute Resolution Processes (previously "Dispute Resolution Related to Charging and Invoicing") |
| 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 | 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\_D52GUIDE\*\* | Guidelines on implementation of Recommendation ITU-T D.52 focusing on operationalization of regional Internet exchange points |
| SG3 | 6 | STUDY\_IIC\*\* | International Internet Connectivity, including IP peering, Regional Traffic Exchange Points, and cost of provision of services |
| SG3 | 6 | STUDY\_IPV6\*\* | Economic impact of transition from IPv4 to IPv6 |
| 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 | - | 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 | 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.50Supp\_OTT\*\* | OTTs in the context of IIC |
| SG3 | 9 | D.ConsumerOTT\* | Customer redress mechanism and consumer protection |
| 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 | - | D.608R (ex D6\_R\_OTT Bypass)\*\*\* | OTT Voice Bypass |
| SG3 | 9 | STUDY\_Convergence\*\* | Study on the economic impact of convergence of technology and services and the role of the Regulator |
| 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.EMoneyMFS\* | Guidelines for e-money issuers |
| 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

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_