|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ITU logo | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2017-2020 | | TSAG-TD798 | |
| **TSAG** | |
| **Original: English** | |
| **Question(s):** | | N/A | E-Meeting, 21-25 September 2020 | |
| **TD** | | | | |
| **Source:** | | Chairman, ITU-T Study Group 3 | | |
| **Title:** | | ITU-T Study Group 3 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 document reports on the progress to date on the lead study group roles of 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 28 September 2019 and 28 August 2020, of ITU-T SGs concerning their work on Recommendations on the above lead study group topics.

## 2 Ongoing work

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, Q2/3, Q4/3, Q7/3, Q12/3, and Q13/3.

**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, Q/12/3, and Q13/3. The activities on economic issues are summarized as follows.

* SG3 approved Recommendation [ITU-T D.264](https://www.itu.int/rec/T-REC-D.264) “Shared uses of telecommunication infrastructure as possible methods for enhancing the efficiency of telecommunications”.
* SG3 agreed on [Supplement 4 to ITU-T D.263](https://www.itu.int/rec/T-REC-D.Sup4) “Supplement on Principles for increased adoption and use of mobile financial services (MFSs) through effective consumer protection mechanism”.
* SG3 approved Recommendation ITU-T D.265 “Optimizing terrestrial cable utilization across multiple countries to boost regional and international connectivity”.
* SG3 approved Recommendation ITU-T D.266 “Enabling environment for voluntary commercial arrangements between telecommunications network operators and OTT providers”.
* SG3 approved Recommendation ITU-T D.267 “Policy Framework including Principles for digital identity infrastructure”.
* SG3 determined draft Recommendation ITU-T D.1041 (D.Colocation) “Policy and methodological principles for determining colocation and access charges”.

## 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-TD229/PLEN](https://www.itu.int/md/T17-SG03-200824-TD-PLEN-0229).

**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 August 2020 SG3 parent meeting.

* Report of SG3 Regional Group for Asia and Oceania (SG3RG-AO) meeting held virtually, 23-26 June 2020 ([SG3-TD243/PLEN](https://www.itu.int/md/T17-SG03-200824-TD-PLEN-0243))
* Report of SG3 Regional Group for Africa (SG3RG-AFR) meeting held virtually, 6-10 July 2020 ([SG3-TD244/PLEN](https://www.itu.int/md/T17-SG03-200824-TD-PLEN-0244))
* Report of SG3 Regional Group for Latin America and the Caribbean (SG3RG-LAC) meeting held virtually, 15-17 July 2020 ([SG3-TD246/PLEN](https://www.itu.int/md/T17-SG03-200824-TD-PLEN-0246))
* Report of SG3 Regional Group for the Arab Region (SG3RG-ARB) meeting held virtually, 28 July 2020 ([SG3-TD247/PLEN](https://www.itu.int/md/T17-SG03-200824-TD-PLEN-0247))

**6.1 Regional Recommendations**

During the meeting of SG3 Regional Group for Africa (SG3RG-AFR) held virtually from 6 to 10 July 2020, the following new draft regional Recommendations from the series of “Recommendations applicable to the African Region (ITU-T D.600-D.699)” were determined:

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*”

SG3 was informed that SG3RG-AFR decided to apply the approval process as per Section 9.2 of WTSA Resolution 1. SG3 agreed for TSB to initiate the TAP consultation for the two texts through the TSB Director among the member states of the regional group.

Please see [SG3-TD245/PLEN](https://www.itu.int/md/T17-SG03-200824-TD-PLEN-0245) for more information.

**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, especially through the completion and certification of the ITU-T [A.1 training course](https://academy.itu.int/index.php?option=com_joomdle&view=coursecategoryextended&cat_id=:&course_id=1069:recommendation-itu-t-a-1-working-methods-of-itu-t-study-groups-2017&Itemid=478&lang=en).
* 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.
* A BSG-related session on ITU-T Approval Processes on regional Recommendations and on the ITU-T A.5 qualification and justification process was given during the SG3RG-AFR virtual meeting during 6-10 July 2020.

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

During the March-April 2020 meeting, SG3 sent liaison statements to ITU-T SG2 on ACP and OTT bypass, to ITU-T SG13 on big data and on IMT2020 policy matters, and to ITU-T SG17 on dual numbering of draft new Recommendation ITU-T D.267 (D.DigID).

During the August 2020 meeting, SG3 sent liaison statements to ITU-T SG2 on the continued work of ACP and OTT bypass, to ITU-T SG13 on the continued work on the Technical Report on “IMT2020-Related Policy Considering MVNOs”, to ITU-T SG17 with an update on the status of Recommendation ITU-T D.267/X.1261, and to TSAG on hot topics and WTSA-20 preparations.

# 9 Cooperation with other Coordination Groups

During the March-April 2020 meeting, SG3 received one liaison statement from the Joint Coordination Activity on IMT2020 (JCA-IMT2020) which requests feedback to update their IMT2020 roadmap.

During the August 2020 meeting, SG3 sent liaison statement to JCA-IMT2020 with an update on the ongoing work within the group, and to Standardization Committee for Vocabulary (SCV) and Coordination Committee for Vocabulary (CCV) on the approved and ongoing work on terms and definitions.

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

During the March-April 2020 meeting, incoming liaison statements were received from the ITU Development Sector on subjects such as on economic aspects of spectrum management and sharing, on determined Draft Recommendation ITU.T D.264, on economic Impact of OTTs on National Telecommunication/ICT Markets, on use of E.164 numbering resources by OTT services, guidelines, policy, regulation and regulations.

Moreover, several incoming liaison statements were received from the ITU Radio Communication Sector on subjects such as economic aspects of spectrum management and sharing, and on determined Draft Recommendation ITU-T D.264.

SG3 acknowledged excellent cooperation with ITU-R SG1, ITU-R WP 1B, and ITU-D SG1 Q4/1 on finalization of ITU-T D.264, and sent liaison statements to ITU-R SG1, ITU-R WP 1B, and ITU-D SG1 Q4/1.

## 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 (28 September 2019 – 28 August 2020)

**a) Recommendations approved**

|  |  |  |
| --- | --- | --- |
| **SG** | **No.** | **Title** |
| SG3 | ITU-T D.264 | Shared uses of telecommunication infrastructure as possible methods for enhancing the efficiency of telecommunications |
| SG3 | ITU-T D.265 | Optimizing terrestrial cable utilization across multiple countries to boost regional and international connectivity |
| SG3 | ITU-T D.266 | Enabling environment for voluntary commercial arrangements between telecommunications network operators and OTT providers |
| SG3 | ITU-T D.267 | Policy Framework including Principles for digital identity infrastructure |

**b) Supplements agreed**

| **SG** | **No.** | **Title** |
| --- | --- | --- |
| SG3 | Supplement 4 to ITU-T D.263 | Supplement on Principles for increased adoption and use of mobile financial services (MFSs) through effective consumer protection mechanism |

**c) Draft Recommendations determined**

|  |  |  |
| --- | --- | --- |
| **SG** | **No.** | **Title** |
| SG3 | ITU-T D.1041 (D.Colocation) | Policy and methodological principles for determining colocation and access charges |

## 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 1 August 2020)

| **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 | D.1041 (D.Colocation)\* | Colocation and Access Charges |
| 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 | 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 | 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 |
| SG3 | 13 | STUDY\_TCST\*\* | Charging and accounting settlements in Trans-multi-country terrestrial cable circuit |

Notes:  
\* Marked draft Recommendations are for determination.

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

\*\*\* Regional Recommendation

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