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| PLENARY MEETING | | Document | 3-E | |
|  | | 15 August 2024 | | |
|  | | Original: English | | |
|  | | | | |
| ITU‑T Study Group 3 Tariff and accounting principles and international telecommunication/ICT economic and policy issues | | | | |
| Report of ITU-T SG3 to the World Telecommunication Standardization Assembly (WTSA-24), Part I: GENERAL | | | | |
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| --- | --- | --- |
| **Abstract:** | This contribution contains the report of ITU-T Study Group 3 to WTSA-24 concerning its activities during the 2022-2024 study period. | |
| **Contact:** | Mr Ahmed Said Chair ITU-T SG3 Egypt | E-mail: [asaid@tra.gov.eg](mailto:asaid@tra.gov.eg) |

Note by the TSB:

The report of Study Group 3 to the WTSA-24 is presented in the following documents:

Part I: **Document** [**3**](http://www.itu.int/md/T22-WTSA.24-C-0003) – General

Part II: **Document** [**4**](http://www.itu.int/md/T22-WTSA.24-C-0004) – Questions proposed for study during the study period 2025-2028

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# 1 Introduction

## 1.1 Responsibilities of Study Group 3

Study Group 3 was entrusted by the World Telecommunications Standardization Assembly (Geneva, 2022) with the study of ten Questions in the area of 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 frameworks. To this end, Study Group 3 has fostered collaboration amongst its participants 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 of maintaining independent financial administration of telecommunications on a sound basis. Additionally, Study Group 3 continued its studies on the economic and regulatory impact of the Internet, new and emerging technologies, convergence (services or infrastructure) and new services, such as over-the-top (OTT), on international telecommunication services and networks.

## 1.2 Management team and meetings held by Study Group 3

Study Group 3 met five times in Plenary and three times in Working Partiesin the course of the study period (see Table 1), chaired by Mr Ahmed Said (NTRA, Egypt) and assisted by Vice-chairs Mr Zuhair Al-Zuhair (Kuwait), Mr Omar Alnemer (United Arab Emirates), Mr Frederick Asumanu (Ghana), Ms Liliana Bein (Argentina), Mr Hui Chen (China), Ms Ena Dekanic (United States), Ms Aminata Drame (SONATEL, Senegal), Ms Eriko Hondo (KDDI, Japan), Ms Karima Mahmoudi (Tunisia), Mr Shailendra Kumar Mishra (India), and Ms Marthe Uwamariya (Rwanda).

In addition, many Rapporteur meetings took place during the study period, see Table 2.

TABLE 1  
Meetings of Study Group 3 and its Working Parties

| Meetings | Place, date | Reports |
| --- | --- | --- |
| Study Group 3 | Geneva, 23-27 May 2022 | SG3–R1 to R5 |
| Study Group 3 | Geneva, 11 November 2022 | SG3–R6 |
| Study Group 3 | Geneva, 1-10 March 2023 | SG3–R7 to R12 |
| Study Group 3 | Geneva, 10 November 2023 | SG3–R13 to R14 |
| Study Group 3 | Geneva, 9-18 July 2024 | SG3–R15 to R21 |

TABLE 2  
Rapporteur meetings organized under Study Group 3 during the study period

| Dates | Place/Host | Question(s) | Event name |
| --- | --- | --- | --- |
| 2024-06-19 | E-Meeting | [Q1/3](http://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=14345&Group=3) | Editor's session for STUDY\_DRCI and TR\_DLTUSF (Q1/3) |
| 2024-06-05 | E-Meeting | [Q9/3](http://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=14349&Group=3) | Editor's sessions for Study\_OTTs (Q9/3) |
| 2024-04-03 | E-Meeting | [Q9/3](http://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=14348&Group=3) | Editor's sessions for Study\_OTTs (Q9/3) |
| 2024-03-20 | E-Meeting | [Q9/3](http://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=14350&Group=3) | Editor's session for TR\_OTTbypass (Q9/3) |
| 2024-03-14 | E-Meeting | [Q12/3](http://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=15639&Group=3) | Rapporteur Group Meeting for Q12/3 |
| 2024-02-14 | E-Meeting | [Q10/3](http://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=14333&Group=3) | Rapporteur Group Meeting for Q10/3 |
| 2024-02-07 | E-Meeting | [Q9/3](http://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=14334&Group=3) | Editor's sessions for Study\_OTTs (Q9/3) |
| 2023-01-13 | E-Meeting | [Q11/3](http://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=13574&Group=3) | Q11/3 Editors' ad hoc drafting session |
| 2023-01-13 | E-Meeting | [Q3/3](http://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=13575&Group=3) | Informal discussion among the Q3/3 Editors |
| 2022-11-09 to 10 | Geneva (with remote participation) | [Q11/3](http://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=13368&Group=3) | Rapporteur Group Meeting for Q11/3 |
| 2022-11-08 | Geneva (with remote participation) | [Q6/3](http://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=13359&Group=3) | Rapporteur Group Meeting for Q6/3 |
| 2022-11-08 to 09 | Geneva (with remote participation) | [Q3/3](http://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=13360&Group=3) | Rapporteur Group Meeting for Q3/3 |
| 2022-11-08 to 10 | Geneva (with remote participation) | [Q12/3](http://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=13358&Group=3) | Rapporteur Group Meeting for Q12/3 |

# 2 Organization of work

## 2.1 Organization of studies and allocation of work

**2.1.1** At its first meeting of the study period, Study Group 3 decided to establish four Working Parties.

**2.1.2** Table 3 shows the number and title of each working party, together with the number of Questions assigned to it and the name of its Chair.

**2.1.3** Table 4 lists other groups created by Study Group 3 during the study period.

TABLE 3  
Organization of Study Group 3

| Designation | Questions to be studied | Title of the Working Party | Chair (Vice-chairs) |
| --- | --- | --- | --- |
| WP1/3 | 1/3 | Charging and accounting/settlement mechanisms | Ms Eriko Hondo  (Ms Ena Dekanic)  (Mr Sultan Al-Ruweis) |
| WP2/3 | 3/3, 4/3, 8/3, 12/3 | General economic and policy factors related to provision and cost of ICT services | Mr Abraao Balbino e Silva  (Ms Marthe Uwamariya)  (Mr Mihail Ion)  (Mr Omar Ali Alnemer) |
| WP3/3 | 6/3, 11/3 | General economic and policy factors related to the enablers of ICT services | Ms Aminata Drame  (Ms Liliana Bein)  (Ms Karima Mahmoudi)  (Mr Hui Chen) |
| WP4/3 | 7/3, 9/3, 10/3 | General economic and policy factors related to the regulatory aspects of mobile communications, competition and convergence | Ms Cynthia Reddock-Downes  (Mr Zuhair Al-Zuhair)  (Mr Frederick Asumanu) |

TABLE 4  
Other groups

| Title of the Group | Chair | Vice-chairs |
| --- | --- | --- |
| Focus Group on cost models for affordable data services (FG-CD) | Mr Shailendra Kumar Mishra | Ms Hilda Mutseyekwa,  Mr MC Sathish Kumar,  Mr Nick Ashton-Hart |

## 2.2 Questions and Rapporteurs

**2.2.1** WTSA-20 assigned to Study Group 3 the ten Questions listed in Table 5.

**2.2.2** The Questions listed in Table 6 have been adopted during this period.

**2.2.3** The Questions listed in Table 7 have been deleted during this period.

TABLE 5  
Study Group 3 – Questions assigned by WTSA-20 and Rapporteurs

| Questions | Title of the Questions | WP | Rapporteur |
| --- | --- | --- | --- |
| 1/3 | Development of charging and accounting/settlement mechanisms for current and future international telecommunication/ICT services and networks | WP1/3 | Mr Byoung Nam Lee |
| 3/3 | Study of economic and policy factors relevant to the efficient provision of international telecommunication services | WP2/3 | Mr Frederick Asumanu |
| 4/3 | Regional studies for the development of cost models together with related economic and policy issues | WP2/3 | Mr Min Suk Lee |
| 6/3 | International Internet and fibre cables connectivity including relevant aspects of Internet protocol (IP) peering, regional traffic exchange points, fibre cables optimization, cost of provision of services and impact of Internet protocol version 6 (IPv6) deployment | WP3/3 | Mr Hui Chen |
| 7/3 | International mobile roaming issues (including charging, accounting and settlement mechanisms and roaming at border areas) | WP4/3 | Mr Steven Noamési Kofi Zikpi |
| 8/3 | Economic aspects of alternative calling procedures in the context of international telecommunications/ICT services and networks | WP2/3 | Mr Lwando Bbuku |
| 9/3 | Economic and policy aspects of the Internet, convergence (services or infrastructure) and OTTs in the context of international telecommunication/ICT services and networks | WP4/3 | Ms Hilda Mutseyekwa |
| 10/3 | Competition policy and relevant market definitions related to the economic aspects of international telecommunication services and networks | WP4/3 | Mr Danilo Caixeta Carvalho |
| 11/3 | Economic and policy aspects of big data and digital identity in international telecommunications services and networks | WP3/3 | Mr Shailendra Kumar Mishra |
| 12/3 | Economic and policy issues pertaining to international telecommunication/ICT services and networks that enable Mobile Financial Services (MFS) | WP2/3 | Ms Memiko Otsuki |

TABLE 6  
Study Group 3 – New Questions adopted and Rapporteurs

| Questions | Title of the Questions | WP | Rapporteur |
| --- | --- | --- | --- |
| None. |  |  |  |

TABLE 7  
Study Group 3 – Questions deleted

| Questions | Title of Questions | Rapporteurs | Results |
| --- | --- | --- | --- |
| None. |  |  |  |

# 3 Results of the work accomplished during the 2022-2024 study period

## 3.1 General

During the study period, Study Group 3 examined 132 contributions and generated a large number of TDs and liaison statements. It also:

– revised two existing Recommendations;

– produced one Amendment (new Appendix to an existing Recommendation);

– produced seven technical reports; and.

– progressed many work items under study.

## 3.2 Highlights of achievements

The main results achieved on the various Questions assigned to Study Group 3 are briefly summarized below. Formal replies to the Questions are given in a synoptic table in Annex 1 of this report.

**a) Collaboration with ITU-T Lead Study Groups, ITU-D and ITU-R**

Examples of collaboration included:

– Joint ITU-T Study Group 2 / ITU-T Study Group 3 Regional Workshop on Topics of Mutual Interest (Kuwait City, Kuwait, 4 March 2024);

– Engagement in ITU-D Policy and Economics Colloquiums (IPEC-23 and IPEC-24);

– Liaisons between ITU-T SG3, its Focus Group on cost models for affordable data services (FG-CD) and ITU-D Study Groups;

– Liaison informing ITU-R about a new SG3 work item on economic and policy aspects of the provision of high-speed Internet connectivity by retail satellite operators.

## 3.3 Report of lead study group activities, JCAs and regional groups

### 3.3.1 Lead study group 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; and

– Policy issues relating to international telecommunication/ICT.

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

For more information, please refer to the Lead Study Group reports in TSAG TDs [30](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T22-TSAG-221212-TD-GEN-0030), [200](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T22-TSAG-230530-TD-GEN-0200), [332](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T22-TSAG-240122-TD-GEN-0332) and [533](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T22-TSAG-240729-TD-GEN-0533).

### 3.3.2 JCA

None.

### 3.3.3 SG3 Regional Group for Africa (SG3RG-AFR)

SG3 Regional Group for Africa (SG3RG-AFR) met three times during the study period and reported its activities back to SG3:

| Meetings | Place, date | Reports |
| --- | --- | --- |
| SG3RG-AFR | Virtual, 2-5 May 2022 | [SG3RG-AFR–R1](https://www.itu.int/md/T22-SG03RG.AFR-220502-R/en) |
| SG3RG-AFR | Brazzaville, 7-9 February 2023 | [SG3RG-AFR–R2](https://www.itu.int/md/T22-SG03RG.AFR-230207-R/en) |
| SG3RG-AFR | Lilongwe, 10-12 April 2024 | [SG3RG-AFR–R3 to R4](https://www.itu.int/md/T22-SG03RG.AFR-240410-R/en) |

During the study period, SG3RG-AFR approved [Regional Recommendation ITU-T D.608R, *OTT voice bypass*](https://www.itu.int/ITU-T/recommendations/rec.aspx?rec=14772).

At the last SG3 meeting of the study period, it was agreed for SG3RG-AFR to apply the approval process as per Section 9.2 of WTSA Resolution 1 (Rev. Geneva, 2022) and to determine draft new Regional Recommendation ITU-T D.609R (ex D.LicensingR), *Guidelines for determining the size of fees associated with authorizations/licences*.

### 3.3.4 SG3 Regional Group for Asia and Oceania (SG3RG-AO)​

SG3 Regional Group for the Asia and Oceania (SG3RG-AO) met four times during the study period and reported its activities back to SG3:

| Meetings | Place, date | Reports |
| --- | --- | --- |
| SG3RG-AO | New Delhi, 9-12 August 2022 | [SG3RG-AO–R1](https://www.itu.int/md/T22-SG03RG.AO-220809-R/en) |
| SG3RG-AO | Virtual, 23 January 2023 | [SG3RG-AO–R2](https://www.itu.int/md/T22-SG03RG.AO-230123-R/en) |
| SG3RG-AO | Bangkok, 11-12 September 2023 | [SG3RG-AO–R3](https://www.itu.int/md/T22-SG03RG.AO-230911-R/en) |
| SG3RG-AO | Seoul, 4-6 June 2024 | [SG3RG-AO–R4](https://www.itu.int/md/T22-SG03RG.AO-240604-R/en) |

### 3.3.5 SG3 Regional Group for the Arab Region (SG3RG-ARB)

SG3 Regional Group for the Arab Region (SG3RG-ARB) met three times during the study period and reported its activities back to SG3:

| Meetings | Place, date | Reports |
| --- | --- | --- |
| SG3RG-ARB | Manama, 30-31 January 2023 | [SG3RG-ARB–R1](https://www.itu.int/md/T22-SG03RG.ARB-230130-R/en) |
| SG3RG-ARB | Virtual, 20 June 2023 | [SG3RG-ARB–R2 to R3](https://www.itu.int/md/T22-SG03RG.ARB-230620-R/en) |
| SG3RG-ARB | Kuwait City, 6-7 March 2024 | [SG3RG-ARB–R4](https://www.itu.int/md/T22-SG03RG.ARB-240306-R/en) |

During the study period, SG3RG-ARB approved [Regional Recommendation ITU-T D.700R, *Principles for dealing with OTTs*](https://www.itu.int/ITU-T/recommendations/rec.aspx?rec=15576).

### 3.3.6 SG3 Regional Group for Latin America and the Caribbean (SG3RG-LAC)

SG3 Regional Group for Latin America and the Caribbean (SG3RG-LAC) met three times during the study period and reported its activities back to SG3:

| Meetings | Place, date | Reports |
| --- | --- | --- |
| SG3RG-LAC | Virtual, 6-7 September 2022 | [SG3RG-LAC–R1](https://www.itu.int/md/T22-SG03RG.LAC-220906-R/en) |
| SG3RG-LAC | San Jose, 28-29 September 2023 | [SG3RG-LAC–R2](https://www.itu.int/md/T22-SG03RG.LAC-230928-R/en) |
| SG3RG-LAC | Lima, Peru, 5 to 6 September 2024 | [SG3RG-LAC–R3](https://www.itu.int/md/T22-SG03RG.LAC-240905-R/en) |

### 3.3.7 SG3 Regional Group for Eastern Europe, Central Asia and Transcaucasia (SG3RG-EECAT)

SG3 Regional Group for Eastern Europe, Central Asia and Transcaucasia (SG3RG-EECAT) did not meet during this study period.

### 3.3.8 SG3 Regional Group for Europe and the Mediterranean Basin (SG3RG-EURM)

The SG3 Regional Group for Europe and the Mediterranean Basin (SG3RG-EURM) is currently dormant, and the next meeting of the group will be held when required.

### 3.3.9 Focus Group on cost models for affordable data services (FG-CD)

Focus Group on cost models for affordable data services (FG-CD) was established by Study Group 3 at its meeting of 1-10 March 2023, with the objective of studying and exploring the various costing models for providing affordable data services. The full terms of reference can be found on the [FG-CD webpage](https://www.itu.int/en/ITU-T/focusgroups/cd/Documents/ToRs_FGCostingData.pdf).

FG-CD presented SG3 with the two progress reports, [SG3-TD139/PLEN](https://www.itu.int/md/T22-SG03-231110-TD-PLEN-0139/en) and [SG3-TD166/PLEN](https://www.itu.int/md/T22-SG03-240709-TD-PLEN-0166/en).

At the last SG3 meeting of the study period, it was agreed to extend FG-CD lifetime for one more year until October 2025.

# 4 Observations concerning future work

Future SG3 work will consider:

1. Development of charging and accounting/settlement mechanisms for current and future international telecommunication/ICT services and networks.
2. Study of economic and policy factors relevant to the efficient provision of international telecommunication services.
3. International Internet fibre cables and satellite Internet connectivity including relevant aspects of Internet protocol (IP) peering, regional traffic exchange points, fibre cables optimization, cost of provision of services and impact of Internet protocol version 6 (IPv6) deployment.
4. International mobile roaming issues (including charging, accounting and settlement mechanisms and roaming at border areas).
5. Economic aspects of alternative calling procedures in the context of international telecommunications/ICT services and networks.
6. Economic and policy aspects of the Internet, convergence (services or infrastructure) and OTTs in the context of international telecommunication/ICT services and networks.
7. Competition policy and relevant market definitions related to the economic aspects of international telecommunication services and networks.
8. Economic and policy aspects of big data and digital identity in international telecommunications services and networks.
9. Economic and policy issues pertaining to international telecommunication/ICT services and networks that enable mobile financial services (MFS).

# 5 Updates to the WTSA Resolution 2 for the 2025-2028 study period

Annex 2 contains the updates to WTSA Resolution 2 proposed by Study Group 3 concerning the general areas of study, title, mandate, lead roles and points of guidance in the next study period.

ANNEX 1  
  
List of Recommendations, Supplements and   
other materials produced or deleted during the study period

The list of new and revised Recommendations approved during the study period is found in Table 8.

The list of Recommendations determined/consented by Study Group 3 or its working parties that were not yet approved at the time this report was published is found in Table 9.

The list of Recommendations deleted by Study Group 3 during the study period is found in Table 10.

The List of Recommendations submitted by Study Group 3 to WTSA-24 for approval is found in Table 11.

Tables 12 onwards list other publications approved and/or deleted by Study Group 3 during the study period.

TABLE 8  
Study Group 3 – Recommendations approved during the study period

| Recommendation | Approval | Status | TAP/AAP | Title |
| --- | --- | --- | --- | --- |
| ITU-T D.285 | 10 November 2023 | Approved | TAP | Guiding principles for charging and accounting for intelligent network supported services |
| ITU-T D.212 | 9 July 2024 | Approved | TAP | Charging and Accounting Principles for The Use of Signalling System No. 7 |
| ITU-T D.1040 Amendment 1 | 18 July 2024 | Agreed | Agreement | New Appendix I – Method of re-allocating the circuit capacity in the trans-multi-country terrestrial cable in a complex scenario |

TABLE 9  
Study Group 3 – Recommendations under approval as of publication of this report

| Recommendation | Consent/ Determination | TAP/AAP | Title |
| --- | --- | --- | --- |
| Draft new Recommendation ITU-T D.265 | 18 July 2024 | TAP | Principles for tariff regulation of data services |
| Draft new Recommendation ITU-T D.1141 | 18 July 2024 | TAP | Policy framework and principles for data protection in the context of big data relating to telecommunication/ICT services |

TABLE 10  
Study Group 3 – Recommendations deleted during study period

| Recommendation | Last version | Withdrawal date | Title |
| --- | --- | --- | --- |
| Recommendation ITU-T D.280 | March 1995 | August 2022 | Principles for charging and billing, accounting and reimbursements for universal personal telecommunication |

TABLE 11  
Study Group 3 – Recommendations submitted to WTSA-24

| Recommendation | Proposal | Title | Reference |
| --- | --- | --- | --- |
| None. |  |  |  |

TABLE 12  
Study Group 3 – Supplements

| Recommendation | Date | Status | Title |
| --- | --- | --- | --- |
| None. |  |  |  |

TABLE 13  
Study Group 3 – Technical Papers

| Recommendation | Date | Status | Title |
| --- | --- | --- | --- |
| None. |  |  |  |

TABLE 14  
Study Group 3 – Technical Reports

| Technical Report | Date | Status | Title |
| --- | --- | --- | --- |
| Technical Report ITU-T TR\_ AccountingIOT | March 2023 | New | Accounting & Billing aspects in IoT ecosystem and integrated approach using Distributed Ledger Technology (DLT) |
| Technical Report ITU-T dSTR-IoTM2M-Roaming | March 2023 | New | Roaming Aspects of IoT and M2M |
| Technical Report ITU-T DSTR-ROAMREG | November 2023 | New | Regional Roaming Initiatives |
| Technical Report ITU-T DSTR-STUDY\_DRCI | July 2024 | New | Dispute Resolution between telecommunications operators and providers of OTTs |
| Technical Report ITU-T DSTR\_DLTUSF | July 2024 | New | The Potential of Distributed Ledger Technology to Improve Management of Universal Service Funds |
| Technical Report ITU-T DSTR-STUDY\_IMT2020MVNOs | July 2024 | New | 5G related policy considering MVNOs |
| Technical Report ITU-T DSTR-OTTBypass | July 2024 | New | OTT bypass |

TABLE 15  
Study Group 3 – Other publications

| Publication | Date | Status | Title |
| --- | --- | --- | --- |
| None. |  |  |  |

ANNEX 2  
  
Proposed updates to the Study Group 3 mandate and Lead Study Group roles

**(WTSA Resolution 2)**

The following are the proposed changes to the Study Group 3 mandate and Lead Study Group roles agreed at the last Study Group 3 meeting in this study period, based on the relevant portions of [WTSA-20 Resolution 2](https://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.2-2022-PDF-E.pdf).

#### PART 1 ‑ General areas of study

**…**

Study Group 3

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

ITU‑T Study Group 3 is responsible, *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 timely development of enabling regulatory models and frameworks for universal connectivity and sustainable digital transformation. To this end, Study Group 3 shall foster collaboration among its participants with a view to promote fair rates through service competition and with due consideration to cost modelling. Additionally, Study Group 3 will study the economic impact as well as policy and regulatory aspects of the Internet, new and emerging technologies, convergence (services or infrastructure) and new services, such as over-the-top (OTT), pertaining to international telecommunication/ICT services and networks.

**…**

#### PART 2 ‑ Lead Study Groups in specific areas of study

**…**

SG3 Lead study group on tariff and accounting principles relating to international telecommunications/ICT  
Lead study group on economic issues relating to international telecommunications/ICT  
Lead study group on policy issues relating to international telecommunications/ICT

**…**

Annex B  
(to WTSA Resolution 2)  
  
Points of guidance to study groups for the development  
of the post-2022 work programme

**…**

ITU‑T Study Group 3 should study, review and/or develop Recommendations, Technical Reports/Papers, Handbooks and other non-normative publications for members to respond positively and proactively to the development of international telecommunication/ICT markets, to ensure that policy and regulatory frameworks remain supportive of innovation, competition and investment, for the inclusive benefit of users and the global economy.

In particular, Study Group 3 should ensure that tariffs, economic policies and regulatory frameworks related to international telecommunication/ICT services and networks are forward-looking and serve to encourage service uptake and use, as well as industry innovation and investment. Furthermore, these frameworks need to be adequately flexible to adjust to rapidly evolving markets, distinct circumstances of individual Member States, technologies, and business models, while ensuring the necessary competitive safeguards and the protection of consumers.

In this context, the work of Study Group 3 should also consider new and emerging technologies and services so its work will help drive new economic opportunities and enhance inclusive societal benefits in different areas, including health care, education, and sustainable development.

Study Group 3 should study and develop appropriate instruments, with a view to creating an enabling policy and regulatory environment for the transformation of markets and industries, through the promotion of open, innovation-driven and accountable institutions.

All study groups shall notify Study Group 3 at the earliest opportunity of any development that may have an impact on tariff and accounting principles and international telecommunication/ICT economic and policy issues.

**…**

Annex C  
(to WTSA Resolution 2)  
  
List of Recommendations under the responsibility of the respective   
study groups and TSAG in the 2025-2028 study period

**…**

Study Group 3

ITU‑T D-series

ITU-T D.103/E.231

ITU-T D.104/E.232

ITU-T D.1140/X.1261

**…**

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