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| A logo with a black background  AI-generated content may be incorrect. | **Telecommunication Development Advisory Group (TDAG)**  **32nd Meeting, Geneva, Switzerland, 12-16 May 2025** | | A close up of a sign  Description automatically generated |
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|  | | **Document TDAG-25/6(Rev.1)-E** | |
|  | | **9 May 2025** | |
|  | | **Original: English** | |
| Chair, ITU-D Study Group 1 | | | |
| ITU-D Study Group 1 – Activities and progress | | | |
|  | | | |
| **Summary:**  This report summarizes the activities carried out by Study Group 1 for the eighth study period 2022-2025.  This revision 1 includes final statistics and outcomes of the fourth SG1 meeting which was held from 28 April to 2 May 2025, as well as two additional annexes namely Annex 5 (country needs with regards to implementation of Resolution 9) and Annex 6 (practical guidelines for future study group work).  This revised version may not be available in all official languages of the union. It can be translated using ITU translate <https://translate.itu.int/documents> - please click on this link to initiate the translation.  **Action required:**  TDAG is invited to note this document and provide guidance as deemed appropriate.  **References:**  WTDC Resolution 2 (Rev. Kigali, 2022), WTDC Resolution 1 (Rev. Kigali, 2022), [TDAG-30/5](https://www.itu.int/md/D22-TDAG30-C-0005/en), [TDAG-31/5](https://www.itu.int/md/D22-TDAG31-C-0005/en), [1/REP/8](https://www.itu.int/md/D22-SG01-R-0008/en) (2022), [1/REP/9](https://www.itu.int/md/D22-SG01-R-0009/en) (2023), [1/REP/17](https://www.itu.int/md/D22-SG01-R-0017/en) (2024), [1/REP/25](https://www.itu.int/md/D22-SG01-R-0025/en) (2025) | | | |

# Introduction

The report covers the eighth study period for ITU-D Study Group (SG) 1, between WTDC-22 and WTDC-25. SG1 will conclude its work at its fourth and final meeting held in Geneva from 28 April to 2 May 2025, where final reports for all seven questions will be approved. The study period 2022-2025 for SG1 to date achieved:

* 7 output reports for study period 2022-2025
* 1 revised output report from study period 2018-2021 for Question 4/1
* 4 (annual) interim deliverables[[1]](#footnote-2) available free of charge to all in all official UN languages
  + Best practices being adopted on fit-for-purpose digital regulation tools for consumer protection (by Question 6/1) published in 2024
  + Challenges and Opportunities of the Use of USF for Bridging the Digital Divide (by Question 4/1 & Question 5/1) published in 2025
  + Transformative Connectivity: Trends in Satellite innovation (by Question 1/1, Question 3/1 & Question 5/1) published in 2025
  + Consumer Awareness in the Digital Transformation Age (by Question 6/1) published in 2025
* 7 revised terms of reference (for each study Question) shared with the TDAG Working Group on Future of Study Group Questions.
* a compilation on membership needs regarding Resolution 9 (see **Annex 5**)
* 2 draft practical guidelines on “Nominating and selecting rapporteurs and vice-rapporteurs” and on “How to better promote study group products?” for additional inputs and for sharing with TDAG (see **Annex 6)**
* 4 annual Study Group meetings
* 2 annual Rapporteur Group Question (RGQ) level meetings
* 4 video interviews by (co-)authors of annual deliverables
* 18 workshops[[2]](#footnote-3) held in conjunction with the Rapporteur Group Meetings and included 3 joint workshops, 8 cross cutting ones and 2 focus sessions.
* a Regional Workshop[[3]](#footnote-4) on Increasing Consumer Awareness held on 18-20 June 2024 in Brasilia and hosted by ANATEL, in collaboration with ITU Regional Office for Americas
* 112 Incoming liaison statements (SG1 and Rapporteur Group Question level) to date
* 49 Outgoing liaison statements (SG1 and RGQ level)
* Over 619 unique contributions received
* 1132 cumulative total documents considered in 4 meetings of SG1 and 2 meetings of RGQ (table 2) to date
* 283 participants at most for a SG1 plenary level meeting representing 65 countries (first meeting in 2022)
* 45% female participation at most for a SG1 plenary level meeting (second meeting in 2023)
* 257 participants at most for Rapporteur Group Question level meeting (first meeting in 2023)
* 48% female participation at most for Rapporteur Group Question level meeting (second meeting in 2024)
* SG1 Management team contributed in ITU work including:
  + TDAG Working on Future of Study Group Questions
  + Regional Development Forum (RDFs) and Regional Preparatory Meetings
  + 2 Regional Economic Dialogues (REDs) namely in San Jose (2023) and in Lima (2024).
  + 3 ITU (ITU-T, ITU-R and ITU-D) workshops on the Future of TV namely in Bangalore (2023), in Bogota (2023) and in Geneva (2024).

# Mandate and Outcomes

Study Group 1 (SG1) was established in accordance with Resolution 2 (Rev. Kigali, 2022) to examine, through Questions adopted by the ITU Membership at the World Telecommunications Development Conference (Kigali, 2022) (WTDC-22), issues relating to the ***Enabling environment for meaningful connectivity***. The scope of the Group is detailed in annex to Resolution 2 (Rev. Kigali, 2022) specifically on page 162 of WTDC-22 final report[[4]](#footnote-5) with detailed terms of reference (ToR) of each study Question on pages 517-563.

The formal titles of the Study Group Questions are as follows:

Q1/1: Strategies and policies for the deployment of broadband in developing countries

Q2/1: Strategies, policies, regulations and methods of migration to and adoption of digital technologies for broadcasting, including to provide new services for various environments

Q3/1: The use of telecommunications/ICTs for disaster risk reduction and management​

Q4/1: Economic aspects of national telecommunications/ICTs

Q5/1: Telecommunications/ICTs for rural and remote areas

Q6/1: Consumer information, protection and rights

Q7/1: Telecommunication/ICT accessibility to enable inclusive communication, especially for persons with disabilities

# Management team

WTDC-22 designated the SG1 leadership for the eighth cycle (2022-2025): **Ms Regina Fleur Assoumou Bessou** (Côte d’Ivoire) was appointed as Chair, and was assisted by vice-chairs representing the six regions of the world:

* Ms Caecilia Nyamutswa (Zimbabwe)(AFR)
* Mr Amah Vinyo Capo (Togo)(AFR)
* Mr Roberto Mitsuake Hirayama (Brazil) (AMS)
* Ms Sameera Belal Momen Mohammad[[5]](#footnote-6) (Kuwait)(ARB)
* Mr Ali Rasheed Hamad Al-Hamad (Kuwait)(ARB)
* Mr Sunil Singhal (India)(ASP)
* Mr Memiko Otsuki (Japan)(ASP)
* Mr Sangwon Ko (Republic of Korea)(ASP)
* Ms Khayala Pashazada (Azerbaijan)(CIS)
* Ms Umida Musaeva (Uzbekistan)(CIS)
* Mr George Anthony Giannoumis (Norway)(EUR)
* Mr Mehmet Alper Tekin (Türkiye)(EUR)

The SG1 Vice-Chairs actively followed the work assigned by WTDC-22, providing sound and valuable advice to the Chair on all issues related to the Study Group including personnel matters, working methods, and all substantive outcomes called for by WTDC-22.

# In line with the working methods for ITU-D Study Group 1 defined in Resolution 1 (Rev. Kigali, 2022), primarily in Sections 3, 4, 5,6 and 9,

* additional roles were given to vice-chairs as coordinators: The updated list of coordinators is at **Annex 2** of this report. Coordinators were primarily the vice-chairs of SG1 assigned following an expression of interest. When a role could not be filled by any SG1 vice-chair, additional members, such as rapporteurs and vice-rapporteurs, were invited to fill the role.
* non-attendance of appointed members namely study group chairs, vice-chairs, rapporteurs and vice-rapporteurs is notified to TDAG for actions to encourage their participation and engagement in their roles. Attendance information is shared in this report in the last the columns of the tables at **Annex 1**.

All engagements with the SG1 management team during 2022-2025 period were conducted with cooperation, team spirit and professionalism reflecting each management team member’s sincere dedication to the mission and objectives of the study group. The team of Rapporteurs, co-Rapporteurs, vice-Rapporteurs, and BDT Focal Points responsible for the SG1 Questions can be found in **Annex 1**.

All BDT focal points at headquarters and some in regional offices (with understandable resource limitations) have been instrumental in sharing their content expertise for the elaboration of the annual deliverables and the final output reports as well as for the preparation of workshops and for facilitating contributions from regions and on specific projects.

**Figure 1: SG1 Leadership by region and gender**

The above figure shares the distribution of Study Group leadership (Chair, vice Chairs, Rapporteurs, co-Rapporteurs and vice-Rapporteurs) by gender and by region.

## Participation and written contributions (2022-2025)

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**Table 1: Master table on SG1 participation for 2022-2025**

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| **Figure 2: Cumulative number of participants for 2022-2025 by region** | **Figure 3: Cumulative number of participants by region, for each meeting** |

**Figure 4: Cumulative number of participants for 2022-2025 by membership type**

**Figure 5: Cumulative number of participants by membership type, for each meeting**

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| --- | --- |
| **Figure 6: Remote and physical participants from 2022-2025** | **Figure 7: Gender distribution for participants from 2022-2025** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Documents for SG1 and RGQ Meetings | 2022 | 2023 | 2024 | 2025 |
| Contributions from memberships for SG1 Meeting | 45 | 126 | 153 | 44 |
| Incoming Liaison Statements for SG1 Meeting | 39 | 16 | 21 | 18 |
| Outgoing Liaison Statements from SG1 Meeting | 18 | 8 | 9 | 8 |
| Contributions from Management team and BDT | 3 | 31 | 30 | 19 |
| Other Meeting documents (meeting reports, agenda, administrative documents) | 39 | 36 | 36 | 35 |
| Total documents for SG1 Meetings (includes ITU contributions, Management team contributions and progress reports) | 144 | 217 | 249 | 124 |
| Contributions from memberships for RGQ Meeting | N/A | 136 | 115 | N/A |
| Incoming Liaison Statements for RGQ Meeting | N/A | 17 | 20 | N/A |
| Outgoing Liaison Statements from RGQ Meeting | N/A | 4 | 8 | N/A |
| Contributions from Management team and BDT | N/A | 3 | 15 | N/A |
| Other Meeting documents (meeting reports, agenda, administrative documents) | N/A | 43 | 37 | N/A |
| Total documents for RGQ Meetings (includes ITU contributions, Management team contributions and progress reports) | N/A | 203 | 195 | N/A |

**Table 2: Documents for SG1 and RGQ meetings 2022–2025**

Study Group 1 discussed 619 unique contributions from membership, 131 incoming liaisons statements and 55 outgoing liaisons statement. A total of 1132 documents were processed for the meetings.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contributions from Membership received for SG1 and RGQ Meetings (including liaison statements) | 2022 | 2023 | 2024 | 2025 | Total |
| Question 1/1 (Broadband) | 25 | 57 | 66 | 25 | **173** |
| Queston 2/1 (Broadcasting) | 15 | 30 | 41 | 14 | **100** |
| Question 3/1 (Disaster risk reduction) | 14 | 42 | 56 | 16 | **128** |
| Question 4/1 (Economic aspects) | 9 | 47 | 42 | 13 | **111** |
| Question 5/1 (Rural & remote telecoms) | 20 | 66 | 72 | 16 | **174** |
| Question 6/1 (Consumer protection) | 6 | 56 | 46 | 15 | **123** |
| Question 7/1 (ICT Accessibility) | 11 | 36 | 36 | 14 | **97** |
| Contributions for all Questions | 28 | 31 | 46 | 25 | **130** |

**Table 3: contributions for SG1 and RGQ meetings per year 2022-2025**

|  |  |
| --- | --- |
| **Figure 8: Contributions received by SG1 and RGQ meetings by membership including BDT and management team. This distribution excludes liaisons statements.** | **Figure 9: Contributions received by region** |

**Figure 10: Number of contributions by Question**

**Figure 11: Contributions per region for each meeting**

**Figure 12: Contribution per Question for each meeting**

**Trends across study periods**

**Figure 13:Participation across 3 study periods**

**Figure 14: Contributions across 3 study periods**

# Meetings

## Management team meetings

Following the appointment of the Chair and Vice-Chairs at WTDC-22 in Kigali, four SG1 management team meetings were held on the eve of each annual Study Group 1 meeting to finalise preparations. Four mid-week SG1 management team meetings were also held to track the progress of the Rapporteur Group Question meetings. Most Question management teams also held physical meetings during the annual SG1 meetings (October/November/December and annual SG1 Rapporteur Group meetings (April/May). SG1 management team e-Meetings as well as Questions management team e-Meetings were held throughout the 2022-2025 study period and were instrumental in advancing their work, notably to finalise the interim deliverables, output reports and to prepare for workshops and information sessions.

During the course of the study period, Study Group 1 met four times: between February and May of each year (2022 to 2025). Workshops[[6]](#footnote-7) were also organised to exchange views beyond ITU-D Membership and to capture relevant inputs to enrich annual deliverables and final output reports where needed.

**Annex 3** presents a table showing the dates the Study Group and Rapporteur Groups met during the period.

* + 1. **The first meeting**[[7]](#footnote-8) was held in Geneva from 28 November to 2 December 2022. The meeting reviewed and discussed 104[[8]](#footnote-9) contributions and was attended by 283[[9]](#footnote-10) participants representing 62[[10]](#footnote-11) Member States. Decisions made included:
* Appointment of 12 rapporteurs/co-rapporteurs (6 women) and 69 vice-rapporteurs (25 women) to lead the Questions under study. An interactive onboarding session including a panel discussion was held as part of the opening plenary was held. A [brief for all delegates](https://www.itu.int/oth/D072D000001/en) attending ITU-D Study Groups meetings was publicly available in all official UN languages.
* Review of the main outcomes from the previous 2018-2021 study period, SG1 work plan and expectations for the 2022-2025 study period
* Approval of draft work plans for SG1 (**see Annex 4**) and for all Questions as well as the initial tables of contents of output reports and detailed lists of responsibilities to start the work.

The report of this meeting is available at: [https://www.itu.int/md/D22-SG01-R-0008/.](https://www.itu.int/md/D22-SG01-R-0008/)

* + 1. **The second meeting**[[11]](#footnote-12) was held in Geneva from 23 to 27 October 2023.The meeting reviewed and discussed 155[[12]](#footnote-13) contributions and was attended by 224 participants representing 59[[13]](#footnote-14) countries. Decisions made included:
* Appointment of 1 vice-chair and 2 vice-rapporteurs[[14]](#footnote-15). Mr Ali Rasheed Hamad Al-Hamad (Kuwait) was appointed as vice-chair to replace Ms Sameera Belal Momen Mohammad. The contribution of Ms Sameera Belal Momen Mohammad (Kuwait) as vice-chair for SG1, was noted with great appreciation.
* Agreement to release of the first ITU-D SG1 interim (annual) deliverable[[15]](#footnote-16) related to the work of ITU-D SG1 Question 6/1 on “*Best practices being adopted on fit-for-purpose digital regulation tools for consumer protection”.*
* Noted the progress made on ITU-D SG1 study Question deliverables and reports.
* Noted the work progress of Coordinators as per their roles (see **Annex 2**).
* Noted the holding of a spotlight session on the [Digital Regulation Network](https://www.itu.int/itu-d/sites/ra-network/) as part of the opening plenary.
* Noted the completion of the mapping work[[16]](#footnote-17) ITU-D SG1 and SG2 Questions of interest to work items and Questions in ITU-T study groups.
* Agreement to hold workshops at the April 2024 Rapporteur Group meetings including
  + 3 standalone workshops namely by Question 2/1, Question 3/1 and Question 7/1
  + a joint ITU-D Q4/1 and Q6/1 workshop on personal data usage regulatory and economic aspects
  + a joint ITU-D Q1/1, Q3/1 and Q4/1 workshop on Transformative Satellite connectivity
  + a proposal for a joint ITU-D Q6/1 and Q3/2 workshop on Consumer Awareness in June 2024 hosted by ANATEL and the ITU Regional Office for Americas, in Brasilia

The report of this meeting is available at: <https://www.itu.int/md/D22-SG01-R-0009/>.

* + 1. **The third meeting**[[17]](#footnote-18) was held in Geneva from 4 to 8 November 2024. The meeting reviewed and discussed 185[[18]](#footnote-19) contributions and was attended by 240 participants representing 65[[19]](#footnote-20) countries. Decisions made included:
* Noted the draft output reports shared for all seven SG1 Questions. In addition to its 2022-2025 draft output report, Question 4/1 presented a reviewed (updated tariff survey info mainly) 2018-2021 draft output report in line with provision in WTDC Resolution 1(Rev Kigali, 2022)
* Agreement to release three ITU-D SG1 interim (annual) deliverables[[20]](#footnote-21) under the auspices of the Chairman of Study Group 1 to inform the public of the work and to encourage further contributions
* Question 1/1, Question 3/1 and Question 5/1 interim deliverable on “*Transformative Connectivity: Trends in Satellite innovation*”
* Question 4/1 and Question 5/1 joint interim deliverable on “*Challenges and Opportunities of the Use of USF for Bridging the Digital Divide”*
* Question 6/1 interim deliverable on “*Consumer Awareness in the Digital Transformation Age*”
* Noted the need to update the intersectoral mapping work following WTSA-24
* Noted the contribution shared by SG1 Coordinator on progress on Resolution 9 related work
* Noted the contribution shared by SG1 Coordinator for the Future of Study Group Questions on the work progress at the level of the TDAG Working Group on Future of Study Group (TDAG WG-FutureSGQ) Questions and the collaboration set up between SG1 and TDAG WG-FutureSGQ
* Noted with appreciation the remote participation and presentation of contributions by visually challenged women experts which is a first

The report of this meeting is available at <https://www.itu.int/md/D22-SG01-R-0017/>

* + 1. **The fourth meeting**[[21]](#footnote-22)was held from 28 April to 2 May 2024. The meeting reviewed and discussed 85[[22]](#footnote-23) contributions and was attended by 179 participants representing 52[[23]](#footnote-24) countries. Decisions made included:
* Approval of the seven final output reports of each study Question
* Approval of the revised (updated) edition of the 2018-2021 final output report of Question 4/1
* Approval of 8 outgoing liaison statements
* Agreed that the formatting of all the approved final reports will be professionally conducted as is done for all ITU publications. They will include tables of figures, tables of tables, abbreviations and acknowledgement sections, as appropriate.
* Agreed that the compilation on membership needs regarding Resolution 9 will be submitted to TDAG as an annex (see **Annex 5**) to the report of SG1 Chair
* Noted that the ToRs of all Questions revised by the (co) Rapporteurs, was shared with the TDAG Working Group on Future of Study Group
* Noted the need to update the intersectoral mapping after WTDC-25
* Noted the two practical guidelines on “Nominating and selecting rapporteurs and vice-rapporteurs” and on “How to better promote study group products?” for additional inputs and for sharing with TDAG (see **Annex 6)**

# Summary of the key results achieved

## Question 1/1 – Strategies and policies for the deployment of broadband in developing countries

The approved report of the Rapporteur Group meeting held on 1 May 2025 for Question 1/1 can be found in [1/REP/26](https://www.itu.int/md/D22-SG01-R-0026/en). The Output Report available in document [1/483(Rev.2)](https://www.itu.int/md/D22-SG01-C-0483/) was agreed and approved at the fourth meeting of SG1 held on 2 May 2025. Document [TDAG-WG-futureSGQ/28](https://www.itu.int/md/D22-TDAG.WG.SGQ-C-0028/) provides insights into Q1/1 future terms of reference as discussed at the TDAG Working Group on the Future of Study Group Questions.

* 1. **Question 2/1 – Strategies, policies, regulations and methods of migration to and adoption of digital technologies for broadcasting, including to provide new services for various environments**

The approved report of the Rapporteur Group meeting held on 30 April 2025 for Question 2/1 can be found in [1/REP/27](https://www.itu.int/md/D22-SG01-R-0027/en). The Output Report available in document [1/484(Rev.1)](https://www.itu.int/md/D22-SG01-C-0484/) was agreed and approved at the fourth meeting of SG1 held on 2 May 2025. Document [TDAG-WG-futureSGQ/28](https://www.itu.int/md/D22-TDAG.WG.SGQ-C-0028/) provides insights into Q2/1 future terms of reference as discussed at the TDAG Working Group on the Future of Study Group Questions.

* 1. **Question 3/1 –** **The use of telecommunications/ICTs for disaster risk reduction and management**

The approved report of the Rapporteur Group meeting held on 2 May 2025 for Question 3/1 can be found in [1/REP/28](https://www.itu.int/md/D22-SG01-R-0028/en). The Output Report available in document [1/485(Rev.3)](https://www.itu.int/md/D22-SG01-C-0485/) was agreed and approved at the fourth meeting of SG1 held on 2 May 2025. Document [TDAG-WG-futureSGQ/28](https://www.itu.int/md/D22-TDAG.WG.SGQ-C-0028/) provides insights into Q3/1 future terms of reference as discussed at the TDAG Working Group on the Future of Study Group Questions.

* 1. **Question 4/1 – Economic aspects of national telecommunications/ICTs**

The approved report of the Rapporteur Group meeting held on 29 April 2025 for Question 4/1 can be found in [1/REP/29](https://www.itu.int/md/D22-SG01-R-0029/en). The Output Reports available in document [1/486(Rev.1)](https://www.itu.int/md/D22-SG01-C-0486/) and in document [1/487(Rev.1)](https://www.itu.int/md/D22-SG01-C-0487/) were agreed and approved at the fourth meeting of SG1 held on 2 May 2025. Document [TDAG-WG-futureSGQ/28](https://www.itu.int/md/D22-TDAG.WG.SGQ-C-0028/) provides insights into Q4/1 future terms of reference as discussed at the TDAG Working Group on the Future of Study Group Questions.

* 1. **Question 5/1 – Telecommunication/ICT for rural and remote areas**

The approved report of the Rapporteur Group meeting held on 30 April 2025 for Question 5/1 can be found in [1/REP/30](https://www.itu.int/md/D22-SG01-R-0030/en). The Output Report available in document [1/488(Rev.2)](https://www.itu.int/md/D22-SG01-C-0488/) was agreed and approved at the fourth meeting of SG1 held on 2 May 2025. Document [TDAG-WG-futureSGQ/28](https://www.itu.int/md/D22-TDAG.WG.SGQ-C-0028/) provides insights into Q5/1 future terms of reference as discussed at the TDAG Working Group on the Future of Study Group Questions.

* 1. **Question 6/1 – Consumer information, protection and rights**

The approved report of the Rapporteur Group meeting held on 29 April 2025 for Question 6/1 can be found in [1/REP/31](https://www.itu.int/md/D22-SG01-R-0031/en). The Output Report available in document [1/489(Rev.2)](https://www.itu.int/md/D22-SG01-C-0489/) was agreed and approved at the fourth meeting of SG1 held on 2 May 2025. Document [TDAG-WG-futureSGQ/28](https://www.itu.int/md/D22-TDAG.WG.SGQ-C-0028/) provides insights into Q6/1 future terms of reference as discussed at the TDAG Working Group on the Future of Study Group Questions.

* 1. **Question 7/1 – Access to telecommunication/ICT services by persons with disabilities and other persons with specific needs**

The approved report of the Rapporteur Group meeting held on 1 May 2025 for Question 7/1 can be found in [1/REP/32](https://www.itu.int/md/D22-SG01-R-0032/en). The Output Report available in document [1/490(Rev.3)](https://www.itu.int/md/D22-SG01-C-0490/) was agreed and approved at the fourth meeting of SG1 held on 2 May 2025. Document [TDAG-WG-futureSGQ/28](https://www.itu.int/md/D22-TDAG.WG.SGQ-C-0028/) provides insights into Q7/1 future terms of reference as discussed at the TDAG Working Group on the Future of Study Group Questions.

*The 8 approved output reports will now undergo a final formatting into ITU publications in all official languages of UN. It was agreed at the SG1 closing plenary of the fourth meeting that the Secretariat and BDT be delegated the authority to improve the look and feel of the approved final output reports and guidelines as they are formatted into ITU publications. The SG1 management team will be given a pre-launch copy of each report as they become available.*

# Collaboration and Coordination

* 1. **ITU-D Study Questions and ITU-D Study Groups**

Synergies between Question in SG1, and with SG2 are continuously sought. Joint workshops and joint interim deliverables pool expertise together, optimise costs and strengthen collaboration. Three joint SG1 Question workshops and eight cross cutting ones were organized during RGQ meetings in 2023 and 2024. A joint Q6/1 and Q3/2 workshop on Increasing Consumer Awareness[[24]](#footnote-25) was held from 18 to 20 June 2024 in Brasilia and was hosted by ANATEL in collaboration with ITU Regional Office for Americas. Two joint interim deliverables were prepared, approved and published free of charge in all UN official languages.

Four joint SG1 and SG2 management team meetings were held on the Sunday after the SG1 meetings (which is the Sunday before the start of SG2 annual meetings) under the chairmanship of the Director of the Telecommunication Development Bureau. These meetings ensure coordination and collaborative work between ITU-D Study Groups. Two guiding documents are under preparation on the following items that require a joint reflection to make study group work more efficient and effective:

* Addressing challenges that impact on the effective use of ITU-D Study Group products
* Guidelines for ITU-D membership on submitting candidatures and nominating Rapporteurs and Vice Rapporteurs and evaluating Rapporteur teams

The reflection was initiated in co-creation sessions[[25]](#footnote-26) on “innovation in study group work” held in conjunction with the first Rapporteur Group meeting of SG1. The current versions are at **Annex 6**. The views of TDAG will be much appreciated.

* 1. **TDAG Working Group on Future of Study Group Questions**

In line with the terms of reference[[26]](#footnote-27) of the TDAG Working Group on the Future of Study Group Questions (TDAG WG-FutureSGQ), Mr Roberto Hirayama (vice Chair, Brazil) was designated as the SG1 Coordinator. The TDAG WG-FutureSGQ held six meetings where the revised terms of reference of SG1 Questions prepared by (co)Rapporteurs were compiled and submitted by the SG1 Coordinator. These revised terms of reference have been integrated into the deliverable of the working group (see [TDAG WG- FutureSGQ /23](https://www.itu.int/md/D22-TDAG.WG.SGQ-C-0023/en) and document [TDAG WG- FutureSGQ /29](https://www.itu.int/md/D22-TDAG.WG.SGQ-C-0029/en))

* 1. **Inter-Sectoral Coordination**

At each annual SG1 meeting as per tradition, updates[[27]](#footnote-28) shared by TSB and BR were appreciated for identifying synergies and areas of potential future collaboration at specific study group Question, Working Party and Resolution levels.

To facilitate coordination and further strengthen collaboration with the study groups in the other Sectors, a revised mapping of ITU-D SG1 and SG2 Questions of interest to Questions in ITU-R Working Parties is available on the website of the [Inter-Sectoral Coordination Group](https://www.itu.int/en/general-secretariat/Pages/ISCG/default.aspx) (ISCG). The matrix of mapping between ITU-D SG1 and SG2 Questions and ITU-T Study groups will be updated with WTSA-24 outcomes. T

The matrix of mappings allows rapporteur groups to relate their specific work items to that undertaken in the other ITU Sectors to facilitate cross-referencing of existing Recommendations, directing liaison statements to the right groups, and identifying experts and sharing expertise on related topics e.g. through jointly organized workshops. This work effort was undertaken by the assigned coordinators (see **Annex 2**) in charge of inter-sectoral coordination. The coordinator from ITU-D Study Group1 side is Mr Arseny Plossky, Rapporteur for Q4/1 (Russian Federation) whose hard work in this area is commended.

Using the matrix of mapping, focused liaison statements were exchanged whereby SG1 was apprised of latest documents from other sectors and collaborating organisations, and SG1 in turn, informed and sought feedback as needed on its work in progress.

As part of a continued collaboration of the three bureaus of ITU, three workshops on the future of Television series were organised. “[The Future of Television for South Asia, Arab and Africa regions](https://www.itu.int/en/ITU-T/Workshops-and-Seminars/2023/0511/Pages/default.aspx)” workshop held in Bangalore and “[The Future of Television for the Americas](https://www.itu.int/en/ITU-T/Workshops-and-Seminars/2023/1117/Pages/default.aspx)” workshop held in Bogota, were led by ITU-T SG9 in collaboration with ITU-T SG16, ITU-R SG6 and ITU-D Question 2/1. “[The Future of Television for Europe](https://www.itu.int/en/ITU-R/seminars/Future-of-tv-europe/Pages/default.aspx)” workshop was held in ITU Geneva. It was led by ITU-R SG6 in collaboration with Europe Regional Office, ITU-T SG 9 & SG16, and ITU-D Question 2/1.

* 1. **Resolution 9**

ITU-D study groups continued collaboration on the implementation of WTDC Resolution 9 (Rev. Kigali, 2022) through appointed Coordinators namely Mr Roberto Hirayama (Brazil) for SG1. SG1 and SG2 coordinators for Resolution 9 are working together in line with document [1/197](https://www.itu.int/md/D22-SG01-C-0197/) which was discussed in the October 2023 at the relevant rapporteur group meetings namely for Q1/1, Q3/1, Q4/1, Q5/1. It was agreed that information related to spectrum management received through contributions will be mapped to the list of topics from the Annex 1 of WTDC Resolution 9 and will be submitted to TDAG and to the Directors of BDT and BR, for their consideration, as appropriate. To this effect, a template has been shared with these Questions for them to complete and submit to the coordinators for onward submission in the future. The SG1 coordinator submitted the final compilation of the implementation of Resolution 9 across ITU-D Study Group 1 at the fourth SG1 meeting of April-May 2025 (see document [1/511](https://www.itu.int/md/D22-SG01-C-0511/)). This document is available at **Annex 5**.

* 1. **ITU Coordination Committee for Terminology**

Resolution 154 (Rev. Bucharest, 2022) of the Plenipotentiary Conference, on the use of the six official languages of the Union on an equal footing, notes the importance of the work of ITU Coordination Committee for Terminology (CCT), which agrees on and adopts terms and definitions in the field of telecommunications/ICTs across the three ITU Sectors. In accordance with provision 12.3 of Resolution 1, Mr Ali Rasheed Hamad Al-Hamad (vice-chair, Kuwait) was appointed as an ITU-D SG1 representative to CCT. During the 2022-2025 study period, CCT met nine times[[28]](#footnote-29). The meetings considered liaison statements and contributions with matters concerning terminology and agreed on the updates to the ITU terminology database, especially what is called Part 3 with the terms, acronyms and definitions. Terms and definitions proposed by ITU-R and ITU-T study groups included terms that could be used in the context of ITU-D study Questions, such as “AI application/service”, “blockchain”, “digital financial services” and “smartphone”. All rapporteur groups were invited to discuss any new terms and follow-up through liaison statements with ITU-CCT as appropriate. More information is available in the reports of the Coordinators see [1/227](https://www.itu.int/md/D22-SG01-C-0227/) (2023), [1/372](https://www.itu.int/md/D22-SG02-C-0286) (2024)

* 1. **Expert Group on ICT Household Indicators and Expert Group on Telecommunication/ICT Indicators**

In order to implement Resolution 131 (Rev. Bucharest, 2018) of the Plenipotentiary Conference (PP) on Measuring information and communication technologies to build an integrating and inclusive information society, and WTDC Resolution 8 (Rev. Kigali, 2022) on “Collection and dissemination of information and statistics”, SG1 assigned Vice-Chairs Mr Sangwon Ko (Rep. of Korea) and Mr Mehmet Alper Tekin (Türkiye) as Coordinators to explore possible synergies with ITU-D statistics activities in ITU-D, namely the Expert Group on ICT Household Indicators (EGH) and the Expert Group on Telecommunication/ICT Indicators (EGTI). The coordinators provided annual updates[[29]](#footnote-30) at the SG1 meetings.

The importance of evidence through reliable statistical data and analytics is key to produce quality SG1 outputs. Updates[[30]](#footnote-31) are provided at the annual SG1 meeting on ITU-D’s statistical products and activities included timely clarifications on the ICT Development Index (IDI). The ongoing work of EGTI and EGH continue to use universal and meaningful connectivity as the underpinning conceptual framework of the IDI. Future work planned at EGTI and EGH include a joint EGTI-EGH subgroup on reviewing the IDI, submarine cables, network sharing; environmental/sustainability of ICT sector indicators, refinement of QoS / speed indicators, satellite-based broadband Internet indicators, middle-mile connectivity indicators (data centres, cloud computing, secure Internet servers, IXPs), OTT use indicators and emerging technologies.

* 1. **Synergies with ITU Actions including BDT projects**

Enhancing coordination and focusing on active collaboration with all relevant BDT global and regional event organisers, project managers and capacity building colleagues for optimizing experts’ resources from study group management teams, is a continuous process.

An update on BDT projects with mapping to ITU-D study Questions, was shared at the annual SG1 meetings to allow Question management teams and rapporteur groups to identify specific projects of interest. The SG1 coordinator Mr Sunil Singhal (Vice Chair, India) made calls for collaboration and shared updates at each SG1 annual meeting. Each study Question management team was requested to consider valuable and relevant contribution documents shared by:

* BDT HQ focal point (subject matter expert for the Question concerned) to identify upcoming BDT workshops, in country technical support, toolkits and other publication where the Question management team members especially in the region of BDT action, can contribute as resource person (speaker, trainer, consultant, toolkit/publication developer or reviewer).
* BDT Project Support[[31]](#footnote-32) to identify the projects which are ongoing or closed which could be useful case study contribution by the country or regional office concerned, to augment content of interim deliverables and/or output reports.
* Materials from cross cutting workshops held in conjunction with SG1 Rapporteur Group meetings.
* Material from Regional Development Forum of each BDT region especially country or ITU-D member contributions submitted that may be relevant to the Question concerned to augment content of interim deliverables and/or output reports.

Project information was shared at the SG1 meeting by the project managers of PRIDA (Policy and Regulation Initiative for Digital Africa)[[32]](#footnote-33) project and UMC (Promoting and Measuring Universal Meaningful Digital Connectivity)[[33]](#footnote-34) project for consideration of further collaboration by relevant Study Question management teams. Question management teams[[34]](#footnote-35) shared their interests in specific projects and their engagements in specific BDT actions.

* 1. **Women and Youth Engagement**

In line with WTDC Resolutions 55 and 76 (Rev. Kigali, 2022), and with the aim to organize inclusive and gender-responsive study group meetings, the membership was regularly invited to support and encourage the participation of women and young people in their delegations.

Youth envoys from Generation Connect participated as delegations of their respective countries in the meeting to follow discussions and ongoing issues at the first meeting of SG1 in 2022. A side-event (intergenerational dialogue) was also organised during the meeting week where the youth envoys had the opportunity to share their overall impression, along with a few ideas for consideration by the rapporteur groups. The event was moderated by SG1 Coordinators for Women and Youth engagement Mr Anthony Giannoumis (vice Chair, Norway) and Ms Umida Musaeva (vice Chair, Uzbekistan). At the 2024 meeting of SG1, three projects of fellows of the Generation Connect Young Leader Program were presented at relevant study Question 4/1, Question 5/1 and Question 7/1. These contributions were discussed for inclusion in the relevant final report of the study Questions. SG1 Coordinator from Uzbekistan shared proposals[[35]](#footnote-36) and experiences on youth engagement at the 2024 meeting of SG1. These proposals will be resubmitted to TDAG 2025 for consideration. Rapporteur Groups were requested to consider including a section on youth and women mainstreaming actions pertaining to the study Question in their final output reports.

Updates were submitted in all annual SG1 meeting on BDT activities for the inclusion of youth and women in digital. In conjunction with the Rapporteur Group meetings in 2023, a cross cutting workshop on “[Meaningful Connectivity: Women experts and Young Experts inclusion](https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/meetings/workshop-inclusion-may23.aspx)” was organised by ITU-D NOW, EQUALS and Generation Connect and in conjunction with 2024 Rapporteur Group meetings, and a cross cutting workshop on “Women Leadership in Tech” was organised as part of Girls in ICT Celebration where ITU Secretary General and BDT Director intervened. In most SG1 meetings weeks, NOW lunches and meetings were organised where BDT focal points on Gender, SG1 Chair and Coordinators on Women and Gender facilitated conversations and sharing of experiences in an informal setting.

**4.9 WSIS**

Regular updates[[36]](#footnote-37) are received at SG1 meetings on the various activities undertaken by the General Secretariat related to WSIS, including the WSIS Forum outcomes, the next WSIS Forum preparations, WSIS Stocktaking and WSIS Prizes. As most study Questions have linkages with WSIS Action Lines, SG1 through its BDT HQ focal points, works with WSIS teams. WSIS prizes winners who are ITU-D Members, are invited to submit contributions to relevant SG1 Questions.

# Collaborative tools

[Collaborative tools](https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/reference/Collaborative-Tools.aspx) to facilitate electronic participation in the work of the ITU-D study groups is evolving. In addition to remote participation services and the webcast in the languages of the respective meeting, mailing lists are made available to participants and management team members. MS teams have been created for use by each Question management team as per their convenience. The automatic captioning in various languages is highly appreciated by the Question management team members as it improves accessibility and exchanges during the e-Meetings. Captioning in all SG1 meetings and Sign language interpretation in Question 7/1 meetings is offered and appreciated. The contributions repository & dashboard[[37]](#footnote-38), which facilitates the search of previous contributions, and their abstracts is updated. Automatic document (machine) translation names “ITUTranslate[[38]](#footnote-39)” is available on the ties protected document management repository whereby contributions, reports and other meeting documents can be translated from one UN official language into another UN official language by the reader. All ITU-D study Group website pages, as is the case for all BDT webpages, are available in all UN official languages with the ITUTranslate widget.

Study group participants were encouraged to explore the tools and to provide any feedback to the secretariat to assist in their improvement.

# Results of the survey on the work of ITU-D Study Groups (8th study period, 2022-2025)

In keeping with Section 12.4.3 of Resolution 1 (Rev. Kigali, 2022), the ITU-D Study Groups issued a joint survey to help ascertain the extent to which the ITU-D membership, and in particular developing countries, benefit from the outputs of studies.

A draft questionnaire was submitted for comments at the November 2024 meetings of ITU-D Study Groups 1 and 2. The final version of the questionnaire was issued as an online survey to ITU-D Membership (see [ITU-D Circular Letter 07](https://www.itu.int/md/D22-CA-CIR-0007/en)) on 8th January 2025 with closing date of 15th January 2021. The deadline was extended to 7th February 2025. The results of the joint survey were analysed and will be submitted to the fourth and final meetings of the study groups. .

The findings of the surveys can be useful for the Membership as part of preparations for WTDC-25 particularly the sections relevant to discussions on future of Questions and on working methods of study groups.

# The “3Is” Vision for Study Group 1

In order for SG1 to reach its expected results for the 2022-2025 study period, in accordance with the scope of work as defined in Resolution 2 (Rev. Kigali, 2022) “Establishment of study groups”, the continuity of the SG1 Chairperson’s vision of more interaction, innovation and implementation (3I’s) presented at the first SG1 meeting in the seventh study period 2018-2021, was further implemented in this eighth study period 2022-2025 is achieved by:

* a smart SG1 workplan for efficiency actions within the shortened timeline of this study period
* quality evidence-based content as inputs to the work of SG1, with the effective engagement of experts in the management team, active collaborators and meeting participants, to analyse and process these inputs into quality timely outputs
* optimizing resources by continued and focused synergies for collaboration between study questions, study groups within ITU-D and in other sectors, with BDT projects, regional initiatives, ITU and ITU partners’ actions
* involving study groups experts from SG1 management teams in the work of BDT and ITU to serve membership
* inclusion of experts from membership namely persons with disabilities, women and youth in the work of SG1.

# Conclusion

Study Group 1 has successfully carried out its mandate with quality contributions submitted through passionate discussions, hard work, dedication, perseverance, flexibility/consensus, and expertise of all the parties concerned: the SG1 Management Team, Vice-Chair, Rapporteurs, Vice-Rapporteurs, Focal Points, BDT Secretariat, active contributors, in person and remote meeting participants, IS moderators, interpreters, translators and IT support staff. With strong and consistent support from the BDT Director and his staff, TDAG Chair and Bureau, and the other sectors (ITU-T and ITU-R), the Group has fulfilled its mission.

**Annex 1: Appointed Chair, Vice-Chair and Rapporteurs and Vice-Rapporteurs of ITU-D Study Group 1 Questions for the 2022-2025 period with attendance information**

List of chair and vice-chair is also available [here](https://www.itu.int/net4/ITU-D/CDS/sg/chairmen.asp?lg=1&sp=2022)

List of rapporteurs, vice-rapporteur and BDT focal points is also available [here](https://www.itu.int/net4/ITU-D/CDS/sg/rapporteurs.asp?lg=1&sp=2022)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **ITU-D STUDY GROUP 1** | **Study Group 1 Meeting 2022** | **Rapporteur Group Meeting 2023** | **Study Group 1 Meeting 2023** | **Rapporteur Group Meeting 2024** | **Study Group 1 Meeting 2024** | **Study Group 1 Meeting 2025** |
| **Chair** | Ms Regina Fleur Assoumou BESSOU (Côte d’Ivoire) | Present | Present | Present | Present | Present | Present |
| **Vice-Chairs** | Ms Caecilia NYAMUTSWA (Zimbabwe) | Present | Remote | Present | Remote | Present | Present |
| Mr Amah Vinyo CAPO (Togo) | Present | Present | Present | Present | Present | Present |
| Mr Roberto Mitsuake HIRAYAMA (Brazil) | Present | Present | Present | Present | Present | Present |
| Ms Sameera Belal Momen MOHAMMAD /Mr Ali Rasheed Hamad AL-HAMAD (Kuwait) from Oct 2023 | Present | Absent | Remote | Present | Remote | Present |
| Mr Sunil SINGHAL (India) | Present | Present | Remote | Present | Remote | Remote |
| Mr Memiko OTSUKI (Japan) | Present | Present | Present | Present | Present | Present |
| Mr Sangwon KO (Republic of Korea) | Present | Present | Present | Remote | Present | Remote |
| Ms Khayala PASHAZADA (Azerbaijan) | Remote | Absent | Absent | Absent | Absent | Absent |
| Ms Umida MUSAEVA (Uzbekistan) | Present | Absent | Absent | Absent | Present | Present |
| Mr George Anthony GIANNOUMIS (Norway) | Remote | Present | Remote | Present | Remote | Remote |
| Mr Mehmet Alper TEKIN (Türkiye) | Present | Remote | Present | Remote | Remote | Present |

List of (Co)Rapporteurs and Vice-Rapporteurs

| **Question** | **Role** | **Name of candidate** | **Organisation** | **Country** | **Region** | **SG1**  **2022** | **RG**  **2023** | **SG1**  **2023** | **RG**  **2024** | **SG1**  **2024** | **SG1**  **2025** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Question 1/1 | Rapporteur | Mr Ahmed GAD | Administration | Egypt (Arab Republic of) | Arab States | Present | Present | Present | Present | Present | Present |
| Question 1/1 | Vice-Rapporteur | Ms Keamogetswe MATOMELA | Administration | Botswana (Republic of) | Africa | Remote | Absent | Absent | Absent | Absent | Absent |
| Question 1/1 | Vice-Rapporteur | Ms Emma Ann OTIENO | Administration | Kenya (Republic of) | Africa | Present | Present | Present | Present | Present | Present |
| Question 1/1 | Vice-Rapporteur | Mr Issiaka ALHABIBOU | Administration | Mali (Republic of) | Africa | Present | Present | Present | Present | Present | Present |
| Question 1/1 | Vice-Rapporteur | Mr Christopher HEMMERLEIN | Administration | United States of America | Americas | Present | Present | Present | Present | Present | Present |
| Question 1/1 | Vice-Rapporteur | Mr Turhan MULUK | Intel Corporation | United States of America | Americas | Remote | Remote | Present | Present | Present | Remote |
| Question 1/1 | Vice-Rapporteur | Mr Bharat B BHATIA | Administration | India (Republic of) | Asia & Pacific | Remote | Absent | Absent | Absent | Absent | Absent |
| Question 1/1 | Vice-Rapporteur | Ms Syahniza Md. SHAH /Ms Rozaidawati Zainum Aznal (from Oct 2023) | Administration | Malaysia | Asia & Pacific | Present | Present | Present | Present | Remote | Present |
| Question 1/1 | Vice-Rapporteur | Ms Ziqi ZHANG | Administration | China (People's Republic of) | Asia & Pacific | Remote | Remote | Present | Present | Present | Present |
| Question 1/1 | Vice-Rapporteur | Ms Uliana STOLIAROVA | Administration | Russian Federation | CIS Countries | Present | Remote | Remote | Remote | Absent | Absent |
| Question 1/1 | Vice-Rapporteur | Ms Nataša KUZMANOVIĆ | Administration | Bosnia and Herzegovina | Europe | Present | Present | Present | Remote | Present | Present |
| Question 1/1 | Vice-Rapporteur | Mr Ugur KAYDAN | Administration | Türkiye | Europe | Absent | Absent | Remote | Present | Remote | Present |
| Question 1/1 | Vice-Rapporteur | Mr Jesús CARBALLAL | Axon Partners Group | Spain | Europe | Remote | Absent | Absent | Absent | Absent | Absent |
| Question 1/1 | Vice-Rapporteur | Mr Juan PEIRANO | Internet Society | United Kingdom of Great Britain and Northern Ireland | Europe | Absent | Present | Remote | Present | Remote | Present |
| Question 1/1 | Vice-Rapporteur | Ms Gevher Nesibe TURAL TOK | Türk Telekom | Türkiye | Europe | Absent | Absent | Absent | Absent | Absent | Absent |
| Question 2/1 | Co-Rapporteur | Mr Roberto Mitsuake HIRAYAMA | Administration | Brazil (Federative Republic of) | Americas | Present | Present | Present | Present | Present | Present |
| Question 2/1 | Co-Rapporteur | Mr Stanislas KANVOLI | Administration | Côte d'Ivoire (Republic of) | Africa | Remote | Remote | Present | Absent | Remote | Absent |
| Question 2/1 | Vice-Rapporteur | Ms Therese KOIVOGUI | Administration | Guinea | Africa | Remote | Present | Remote | Remote | Absent | Absent |
| Question 2/1 | Vice-Rapporteur | Mr Malick NDIAYE | Administration | Senegal (Republic of) | Africa | Remote | Present | Present | Remote | Present | Absent |
| Question 2/1 | Vice-Rapporteur | Mr Jean Marie MAIGNAN | Administration | Haiti | Americas | Absent | Absent | Present | Absent | Absent | Absent |
| Question 2/1 | Vice-Rapporteur | Mr Luyu ZHAO | China Institute of Communications (CIC) | China (People's Republic of) | Asia & Pacific | Remote | Remote | Absent | Remote | Absent | Absent |
| Question 2/1 | Vice-Rapporteur | Ms Nataša KUZMANOVIĆ | Administration | Bosnia and Herzegovina | Europe | Present | Present | Present | Present | Present | Present |
| Question 2/1 | Vice-Rapporteur | Mr Saeed Addow HIMMAIDA MOHAMMED (from Oct 2023) | Administration | Sudan | Arab States | NA | NA | Absent | Absent | Remote | Absent |
| Question 3/1 | Co- Rapporteur | Mr Serigne Abdou Lahatt SYLLA | Administration | Senegal (Republic of) | Africa | Remote | Present | Present | Present | Remote | Present |
| Question 3/1 | Co-Rapporteur | Ms Alison BALZER | Administration | United States of America | Americas | Present | Present | Present | Present | Present | Absent |
| Question 3/1 | Vice-Rapporteur | Ms Ruth KARIUKI | Administration | Kenya (Republic of) | Africa | Remote | Present | Present | Present | Present | Present |
| Question 3/1 | Vice-Rapporteur | Mr N'guessan Tchissou Jean Roger KOFFI | Administration | Côte d'Ivoire (Republic of) | Africa | Present | Present | Present | Remote | Present | Present |
| Question 3/1 | Vice-Rapporteur | Mr Giquel Thérance SASSA | Ecole Nationale Supérieure des Postes, Télécommunications et TIC (SUP'PTIC) | [Cameroon](https://www.itu.int/net4/ITU-D/CDS/gq/StudyGroups/2022/default.asp?Country=CMR) | Africa | Absent | Present | Absent | Present | Absent | Absent |
| Question 3/1 | Vice-Rapporteur | Mr Edva ALTEMAR | Administration | Haiti | Americas | Absent | Present | Present | Absent | Present | Remote |
| Question 3/1 | Vice-Rapporteur | Mr Abdelwaheb GALIZRA | Administration | Algeria (People's Democratic Republic of) | Arab States | Remote | Present | Remote | Remote | Remote | Remote |
| Question 3/1 | Vice-Rapporteur | Mr Hideo IMANAKA | Administration | Japan | Asia & Pacific | Present | Present | Present | Remote | Present | Present |
| Question 3/1 | Vice-Rapporteur | Ms Jingli WANG | Administration | China (People's Republic of) | Asia & Pacific | Remote | Remote | Present | Remote | Present | Remote |
| Question 3/1 | Vice-Rapporteur | Ms Muberra BINGOL | Administration | Türkiye | Europe | Remote | Present | Present | Present | Present | Present |
| Question 3/1 | Vice-Rapporteur | Mr Gökhan TOK | Access Partnership Ltd | United Kingdom of Great Britain and Northern Ireland | Europe | Present | Remote | Absent | Present | Absent | Absent |
| Question 4/1 | Rapporteur | Mr Arseny PLOSSKY | Administration | Russian Federation | CIS countries | Present | Present | Present | Present | Present | Present |
| Question 4/1 | Vice-Rapporteur | Mr Denis R VILLALOBOS ARAYA | Administration | Costa Rica | Americas | Absent | Absent | Absent | Absent | Absent | Absent |
| Question 4/1 | Vice-Rapporteur | Mr Yan CHEN | Beijing University of Posts and Telecommunications | China (People's Republic of) | Asia & Pacific | Absent | Remote | Remote | Present | Present | Absent |
| Question 4/1 | Vice-Rapporteur | Ms Diago DIOUF FATI | Administration | Senegal (Republic of) | Africa | Present | Remote | Absent | Absent | Absent | Absent |
| Question 4/1 | Vice-Rapporteur | Mr Talent MUNYARADZI | Administration | Zimbabwe (Republic of) | Africa | Present | Absent | Present | Remote | Present | Present |
| Question 4/1 | Vice-Rapporteur | Mr Tyler CROWE | Administration | United States of America | Americas | Present | Present | Present | Present | Present | Absent |
| Question 4/1 | Vice-Rapporteur | Mr Wesam M. SEDIK | Administration | Egypt | Arab States | Present | Present | Present | Present | Remote | Present |
| Question 4/1 | Vice-Rapporteur | Mr Xiaoyu LIU | Administration | China (People's Republic of) | Asia & Pacific | Remote | Remote | Remote | Absent | Remote | Absent |
| Question 4/1 | Vice-Rapporteur | Ms Memiko OTSUKI | Administration | Japan | Asia & Pacific | Present | Remote | Present | Present | Present | Present |
| Question 4/1 | Vice-Rapporteur | Mr Recep DURAN | Administration | Türkiye | Europe | Remote | Remote | Remote | Present | Remote | Present |
| Question 4/1 | Vice-Rapporteur | Mr Emanuele GIOVANNETTI | Anglia Ruskin University | United Kingdom | Europe | Remote | Present | Remote | Present | Remote | Present |
| Question 4/1 | Vice-Rapporteur | Mr Mustafa GÖKHAN ACAR | Türk Telekom | Türkiye | Europe | Remote | Absent | Absent | Absent | Remote | Absent |
| Question 4/1 | Vice-Rapporteur | Mr Jorge MARTÍNEZ | Axon Partners Group | Spain | Europe | Remote | Present | Remote | Present | Absent | Remote |
| Question 4/1 | Vice-Rapporteur | Mr Sidy DIOP | Deloitte | France | Europe | Remote | Remote | Present | Present | Absent | Absent |
| Question 5/1 | Co-Rapporteur | Ms Caecilia NYAMUTSWA | Administration | Zimbabwe | Africa | Present | Remote | Present | Remote | Present | Present |
| Question 5/1 | Co-Rapporteur | Mr Ja Heung KOO | Administration | Korea (Rep. of) | Asia & Pacific | Present | Remote | Remote | Present | Remote | Remote |
| Question 5/1 | Vice-Rapporteur | Mr Babou SARR | Administration | Senegal | Africa | Present | Absent | Absent | Absent | Absent | Absent |
| Question 5/1 | Vice-Rapporteur | Mr Mahalmadane Sidi TOURE | Administration | Mali (Republic of) | Africa | Present | Present | Present | Present | Present | Present |
| Question 5/1 | Vice-Rapporteur | Mr Edva ALTEMAR | Administration | Haiti | Americas | Present | Present | Present | Absent | Present | Remote |
| Question 5/1 | Vice-Rapporteur | Mr Christopher HEMMERLEIN | Administration | United States of America | Americas | Present | Present | Present | Present | Present | Present |
| Question 5/1 | Vice-Rapporteur | Mr Turhan MULUK | Intel Corporation | United States of America | Americas | Remote | Remote | Present | Present | Remote | Remote |
| Question 5/1 | Vice-Rapporteur | Ms Runzhu CHEN | Administration | China (People's Republic of) | Asia & Pacific | Remote | Absent | Present | Present | Present | Present |
| Question 5/1 | Vice-Rapporteur | Mr Ashi KAPOOR | Administration | India (Republic of) | Asia & Pacific | Remote | Remote | Remote | Remote | Absent | Remote |
| Question 5/1 | Vice-Rapporteur | Ms Julia NIETSCH | Administration | France | Europe | Remote | Remote | Present | Remote | Present | Present |
| Question 5/1 | Vice-Rapporteur | Mr Yusuf Korhan SELEK | Administration | Türkiye | Europe | Remote | Remote | Remote | Remote | Remote | Remote |
| Question 5/1 | Vice-Rapporteur | Mr Anthony Virgil ADOPO/Mr Anael Bourrous (from Nov.24) | Deloitte | France | Europe | Remote | Present | Remote | Absent | Present | Absent |
| Question 5/1 | Vice-Rapporteur | Mr Shiv BAKHSHI | Ericsson | Sweden | Europe | Present | Present | Remote | Present | Present | Present |
| Question 5/1 | Vice-Rapporteur | Ms Paulina PASTOR | Axon Partners Group | Spain | Europe | Absent | Remote | Remote | Absent | Absent | Remote |
| Question 6/1 | Co-Rapporteur | Ms Cristiana CAMARATE | Administration | Brazil (Federative Republic of) | Americas | Remote | Present | Present | Present | Present | Present |
| Question 6/1 | Co-Rapporteur | Ms Wei PEI | China Institute of Communications (CIC) | China (People's Republic of) | Asia & Pacific | Remote | Present | Absent | Absent | Present | Present |
| Question 6/1 | Vice-Rapporteur | Ms Caroline Kathure MURIANKI | Administration | Kenya (Republic of) | Africa | Remote | Present | Present | Present | Present | Present |
| Question 6/1 | Vice-Rapporteur | Mr Issouf SOULAMA | Administration | Burkina Faso | Africa | Remote | Present | Absent | Absent | Present | Present |
| Question 6/1 | Vice-Rapporteur | Ms Hadiza KACHALLAH | Administration | Nigeria (Federal Republic of) | Africa | Present | Present | Present | Present | Present | Present |
| Question 6/1 | Vice-Rapporteur | Ms Anne Chantal NGONDJI | Ecole Nationale Supérieure des Postes, Télécommunications et TIC (SUP'PTIC) | [Cameroon](https://www.itu.int/net4/ITU-D/CDS/gq/StudyGroups/2022/default.asp?Country=CMR) | Africa | Remote | Present | Remote | Absent | Remote | Present |
| Question 6/1 | Vice-Rapporteur | Ms Archana Gulati (as from Nov. 2024) | RIFEN | Côte d'Ivoire (Republic of) | Africa | N/A | N/A | N/A | N/A | Remote | N/A |
| Question 6/1 | Vice-Rapporteur | Mr Jesús Coquis ROMERO | Administration | Mexico | Americas | Remote | Present | Absent | Present | Absent | Absent |
| Question 6/1 | Vice-Rapporteur | Ms Hayun KANG (resigned Nov.2024\_ | Administration | Korea (Rep. of) | Asia & Pacific | Remote | Present | Remote | Absent | N/A | N/A |
| Question 6/1 | Vice-Rapporteur | Ms Lin LIN | Administration | China (People's Republic of) | Asia & Pacific | Remote | Remote | Present | Present | Remote | Present |
| Question 6/1 | Vice-Rapporteur | Ms Tharalika LIVERA | Administration | Sri Lanka (Democratic Socialist Republic of) | Asia & Pacific | Remote | Absent | Present | Absent | Present | Present |
| Question 6/1 | Vice-Rapporteur | Mr Osman SAHIN | Administration | Türkiye | Europe | Remote | Present | Present | Present | Present | Present |
| Question 6/1 | Vice-Rapporteur | Mr Carlo AGDAMAG (resigned Nov.2024\_ | Access Partnership Ltd | United Kingdom of Great Britain and Northern Ireland | Europe | Remote | Remote | Absent | Absent | N/A | N/A |
| Question 7/1 | Co-Rapporteur | Ms Amela Odobašić | Administration | Bosnia and Herzegovina | Europe | Present | Present | Present | Present | Present | Present |
| Question 7/1 | Co-Rapporteur | Ms Mina Seonmin JUN | Administration | Korea (Rep. of) | Asia & Pacific | Present | Present | Present | Present | Present | Present |
| Question 7/1 | Vice-Rapporteur | Ms Mariéme Thiam NDOUR | Administration | Senegal (Republic of) | Africa | Absent | Absent | Absent | Absent | Absent | Absent |
| Question 7/1 | Vice-Rapporteur | Mr Kadiri OURO-AGORO | Administration | Togolese Republic | Africa | Absent | Present | Absent | Present | Absent | Absent |
| Question 7/1 | Vice-Rapporteur | Mr Gragba SEVERIN | Administration | Côte d'Ivoire (Republic of) | Africa | Remote | Present | Present | Present | Remote | Absent |
| Question 7/1 | Vice-Rapporteur | Ms Ileana Gama BENÍTEZ | Administration | Mexico | Americas | Present | Absent | Present | Absent | Present | Remote |
| Question 7/1 | Vice-Rapporteur | Mr Kun YANG | Administration | China (People's Republic of) | Asia & Pacific | Remote | Remote | Absent | Absent | Absent | Absent |
| Question 7/1 | Vice-Rapporteur | Mr Mitsuji MATSUMOTO | Administration | Japan | Asia & Pacific | Remote | Remote | Present | Remote | Present | Remote |

**Annex 2: List of coordinators**

|  |  |
| --- | --- |
| **Topic** | **Coordinators (vice-chairs or rapporteurs)** |
| 1. Backup to the SG chair | Ms Caecilia NYAMUTSWA (vice-chair and Q5/1 co-rapporteur, Zimbabwe)  Mr Roberto HIRAYAMA (vice-chair and Q2/1 co-rapporteur, Brazil) |
| 2. Plenary liaison statements | Mr Sangwon KO (vice-chair, Rep of Korea)  Mr Memiko OTSUKI (vice-chair, Japan)  Mr Mehmet Alper TEKIN (vice-chair, Türkiye) |
| 3. Joint activities (annual deliverables, workshops, webinars) | Ms Caecilia NYAMUTSWA (vice-chair and Q5/1 co-rapporteur, Zimbabwe)  Mr Sunil Kumar SINGHAL (vice-chair, India) |
| 4. Council working groups | Ms Memiko OTSUKI (vice-chair, Japan) |
| 5. Youth and women engagement | Mr George Anthony GIANNOUMIS (vice-chair, Norway)  Ms Umida MUSAEVA (vice-chair, Uzbekistan) |
| 6. Delegate on-boarding (e.g. induction) | Ms Caecilia NYAMUTSWA (vice-chair and Q5/1 co-rapporteur, Zimbabwe)  Mr Roberto HIRAYAMA (vice-chair and Q2/1 co-rapporteur, Brazil) |
| 7. WTDC Resolution 9 | Mr Sunil Kumar SINGHAL (vice-chair, India)  Mr Roberto HIRAYAMA (vice-chair and Q2/1 co-rapporteur, Brazil) |
| 8. Statistics (EGTI, EGH) | Mr Sangwon KO (vice-chair, Rep of Korea)  Mr Mehmet Alper TEKIN (vice-chair, Türkiye) |
| 9. ITU-CCT (Vocabulary) | Mr Ali Rasheed Hamad AL-HAMAD (vice-chair, Kuwait) |
| 10. Inter-sectoral mappings | Mr Arseny PLOSSKY (Q4/1 rapporteur, Russian Federation) |
| 11. Synergies of study Questions with ITU actions (e.g. projects) | Ms Khayala A. PASHAZADE (vice-chair, Azerbaijan)  Mr Sunil Kumar SINGHAL (vice-chair, India) |
| 12. Dashboard for monitoring Question progress | Mr Mehmet Alper TEKIN (vice-chair, Türkiye) |
| 13. Working methods (amendments to WTDC Res. 1) | Mr Amah Vinyo CAPO (vice-chair, Togo) |
| 14. Future Study Questions | Mr Roberto HIRAYAMA (vice-chair and Q2/1 co-rapporteur, Brazil) |
| 15. Synergies of future study Questions with regional preparatory processes | Mr Roberto HIRAYAMA (vice-chair and Q2/1 co-rapporteur, Brazil) |
| 16. Streamlining of WTDC Resolutions | Mr Roberto HIRAYAMA (vice-chair and Q2/1 co-rapporteur, Brazil) |

**Annex 3: ITU-D Study Group1 and Rapporteur Group meeting (2022-2025)**

| **Study Group/ Rapporteur Group meeting** | **Date and location** |
| --- | --- |
| **Study Group 1 meetings** |  |
| [First meeting of ITU-D Study Group 1](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2022&blk=28156) | 28 November - 2 December 2022, Switzerland |
| [Second Meeting of ITU-D Study Group 1](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2022&blk=28245) | 23-27 October 2023, Switzerland |
| [Third Meeting of ITU-D Study Group 1](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&stg=&sp=2022&blk=28816) | 4 - 8 November 2024, Switzerland |
| [Fourth Meeting of ITU-D Study Group 1](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&stg=&sp=2022&blk=29014) | 28 April - 2 May 2025, Switzerland |
| **Rapporteur Group meetings** |  |
| [First Study Group 1 Rapporteur Group Meetings](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&stg=&sp=2022&blk=28224) | 8 - 19 May 2023, Switzerland |
| [Second Study Group 1 Rapporteur Group meetings](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&stg=&sp=2022&blk=28776) | 15-26 April 2024, Switzerland |

All associated workshops and webinars are detailed on ITU-D Study Groups Website on the page dedicated to workshops and other events see:  
[**https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/events\_workshops.aspx**](https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/events_workshops.aspx)

**Annex 4: Work plan of ITU-D Study Group 1**

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**Annex 5: Membership needs related to Resolution 9**

The document presents the final compilation of membership needs of ITU-D SG1 Questions related to the implementation of WTDC-22 Resolution 9, on spectrum management for developing countries, namely Questions 1/1, 2/1, 3/1, 4/1 and 5/1, as an input to help identify synergies between developing countries needs stated in Resolution 9 (Rev. Kigali, 2022) and both the scope of the questions under ITU-D Study Groups and the needs as identified by members in their contributions.

The document is available as a separate document Annex 5A. The document is for consideration of TDAG.

**Annex 6: Practical guidelines**

The document shares an update on the work being jointly undertaken by Study Group 1 and Study Group 2 as agreed at the joint management team meeting held on 10 November 2024 to advance work on:

* **practical guidelines A** for nominating and selecting rapporteurs/vice rapporteurs
* **practical guidelines B** to better promote study group products namely final reports, guidelines and interim deliverable

The work was conducted by volunteers namely Mr Teddy Woodhouse (UK) for practical guidelines A and Ms Nicola Bennett (Australia) and Mr Hideo Imanaka (Japan) for practical guidelines B.

The documents are available as separate documents Annex 6A and Annex 6B. They are work in progress and aim for possible use for the future study period. Comments and next step from TDAG are welcomed.

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1. <https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/reference/Ongoing-Work.aspx> [↑](#footnote-ref-2)
2. <https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/events_workshops.aspx> [↑](#footnote-ref-3)
3. <https://www.itu.int/en/ITU-D/Regional-Presence/Americas/Pages/EVENTS/2024/cons-awa-2024.aspx> [↑](#footnote-ref-4)
4. <https://www.itu.int/dms_pub/itu-d/opb/tdc/D-TDC-WTDC-2022-PDF-E.pdf> [↑](#footnote-ref-5)
5. Ms Mohammad stepped down in October 2023 and was replaced by Mr Al-Hamad. [↑](#footnote-ref-6)
6. Details of workshops & other events are on web page <https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/events_workshops.aspx> [↑](#footnote-ref-7)
7. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2022&blk=28156> [↑](#footnote-ref-8)
8. 55 contributions for action, 1 contribution for information, 9 temporary documents and 39 incoming liaison statements [↑](#footnote-ref-9)
9. This number have been updated [↑](#footnote-ref-10)
10. Member states delegates only [↑](#footnote-ref-11)
11. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2022&blk=28245> [↑](#footnote-ref-12)
12. Includes 132 contributions for action and 16 incoming liaison statements. Excludes 6 temporary documents. [↑](#footnote-ref-13)
13. Member states delegates only [↑](#footnote-ref-14)
14. Mr Saeed Addow Himmaida Mohammed (Sudan) was appointed as a new vice-rapporteur for Question 2/1, and Ms Rozaidawati Zainum Aznam (Malaysia) as vice-rapporteur for Question 1/1 to replace Ms Syahniza Shah. [↑](#footnote-ref-15)
15. See <https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/OngoingWork.aspx> [↑](#footnote-ref-16)
16. https://www.itu.int/en/general-secretariat/Pages/ISCG/default.aspx [↑](#footnote-ref-17)
17. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=24909> [↑](#footnote-ref-18)
18. Includes 164 contributions for action and 21 incoming liaison statements. Excludes temporary documents. [↑](#footnote-ref-19)
19. Member states delegates only [↑](#footnote-ref-20)
20. See <https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/OngoingWork.aspx> [↑](#footnote-ref-21)
21. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=26283> [↑](#footnote-ref-22)
22. Includes 67 contributions for action and 18 incoming liaison statements. Excludes temporary documents. [↑](#footnote-ref-23)
23. Member states delegates only [↑](#footnote-ref-24)
24. <https://www.itu.int/en/ITU-D/Regional-Presence/Americas/Pages/EVENTS/2024/cons-awa-2024.aspx> [↑](#footnote-ref-25)
25. See <https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/meetings/workshop-innovation-may23.aspx> and <https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/meetings/workshop-products_usage-may23.aspx> [↑](#footnote-ref-26)
26. <https://www.itu.int/en/ITU-D/Conferences/TDAG/Pages/2024/TDAG_WG_futureSGQ.aspx> [↑](#footnote-ref-27)
27. Contributions from BR [1/74](https://www.itu.int/md/D22-SG01-C-0074), [1/186](https://www.itu.int/md/D22-SG01-C-0186), [1/398](https://www.itu.int/md/D22-SG01-C-0398), and from TSB [1/77](https://www.itu.int/md/D22-SG01-C-0077/), [1/190](https://www.itu.int/md/D22-SG01-C-0190), [1/443](https://www.itu.int/md/D22-SG01-C-0443) [↑](#footnote-ref-28)
28. Summary records of ITU-CCT meetings (period 2022-2025): [R19-CCV/51](https://www.itu.int/md/R19-CCV-C-0051) (10 Nov. 2022), [CCT/1](https://extranet.itu.int/rsg-meetings/ccv/Share/CCT%20meeting%202023-07-21/Input%20contributions/001e.docx) (18 April 2023), [CCT/37](https://extranet.itu.int/rsg-meetings/ccv/Share/CCT%20meeting%202023-09-26/Input%20contributions/037e.docx) (26 Sep. 2023), [CCT/60](https://extranet.itu.int/rsg-meetings/ccv/Share/CCT%20meeting%202024-06-25/Input%20contributions/060e.docx) (16 April 2024), [CCT/73](https://extranet.itu.int/rsg-meetings/ccv/Share/CCT%20meeting%202024-09-17/073e.docx) (25 June 2024), [CCT/87](https://extranet.itu.int/rsg-meetings/ccv/Share/CCT%20meeting%202024-12-10/Input%20contributions/087e.docx) (17 Sep. 2024), [CCT/97](https://extranet.itu.int/rsg-meetings/ccv/Share/CCT%20meeting%202025-01-30/Input%20contributions/097e.docx) (10 Dec. 2024), [CCT/110](https://extranet.itu.int/rsg-meetings/ccv/Share/CCT%20meeting%202025-03-11/Input%20contributions/110e.docx) (30 Jan. 2025) [↑](#footnote-ref-29)
29. Contributions from Coordinators [1/440](https://www.itu.int/md/D22-SG01-C-0440) and [1/260](https://www.itu.int/md/D22-SG01-C-0260) [↑](#footnote-ref-30)
30. Contributions from BDT: [1/75](https://www.itu.int/md/D22-SG01-C-0075) (2022), [1/252](https://www.itu.int/md/D22-SG01-C-0252) (2023), [1/395](https://www.itu.int/md/D22-SG01-C-0395) (2024). [↑](#footnote-ref-31)
31. Contributions from BDT: [1/79](https://www.itu.int/md/D22-SG01-C-0079/) (2022), [1/253](https://www.itu.int/md/D22-SG01-C-0079/) (2023), [1/437](https://www.itu.int/md/D22-SG01-C-0437) (2024) [↑](#footnote-ref-32)
32. More information about PRIDA is available in   
    <https://www.itu.int/en/ITU-D/Projects/ITU-EC-ACP/PRIDA/Pages/default.aspx> [↑](#footnote-ref-33)
33. More information on UMC project is available in   
    <https://www.itu.int/itu-d/sites/projectumc/home/the-umc-project/> [↑](#footnote-ref-34)
34. Following a request from Question 5/1 for information on a project listed in BDT Project Support contribution and the project manager concerned shared a contribution (see document [1/446](https://www.itu.int/md/D22-SG01-C-0446/en)) facilitated by the head of the ITU area office concerned. [↑](#footnote-ref-35)
35. Contributions [1/330](https://www.itu.int/md/D22-SG01-C-0330), [1/331](https://www.itu.int/md/D22-SG01-C-0331) from Coordinator [↑](#footnote-ref-36)
36. Contributions [1/218](https://www.itu.int/md/D22-SG01-C-0218/) , [1/442](https://www.itu.int/md/D22-SG01-C-0442/) from WSIS [↑](#footnote-ref-37)
37. The contributions repository & dashboard for the previous study period (2018-2022) can be found [here](https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/TIES_Protected/contributions_dashboard_2022_2025.aspx). [↑](#footnote-ref-38)
38. <https://translate.itu.int/documents> [↑](#footnote-ref-39)