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|  | **Telecommunication Development Advisory Group (TDAG)**  **29th Meeting, Virtual, 8-12 November 2021** | | A close up of a sign  Description automatically generated |
|  | | **Revision 2 to** | |
|  | | **Document TDAG-2****1/2/5-E** | |
|  | | **2 November 2021** | |
|  | | **Original: English** | |
| Chairman, ITU-D Study Group 1 | | | |
| ITU-D Study Group 1 activities for the seventh study period | | | |
|  | | | |
| **Summary:**  This report is an update to TDAG-21/8 on the activities carried out by Study Group 1 for the seventh study period. The seventh study period was extended as a result of the postponement of WTDC-21 to June 2022. As per TDAG decision taken at its 28th meeting (24-28 May 2021), an additional set of Study Group 1 meetings were held from 11-15 October 2021 to, amongst other, refine the terms of reference (ToRs) of Questions which were submitted as part of the contingency proposals in document [TDAG-21/10](https://www.itu.int/md/D18-TDAG28-C-0010/en) item2.  **Action required:**  TDAG is invited to examine and approve the revised ToRs contained **at annex 6**.  TDAG is invited to note the body of this document and provide any guidance as deemed appropriate.  **References:**  [TDAG-18/12](https://www.itu.int/md/D18-TDAG23-C-0012/en), [TDAG-19/12](https://www.itu.int/md/D18-TDAG24-C-0012/en), [TDAG-20/12](https://www.itu.int/md/D18-TDAG25.2-C-0012/en), [TDAG-21/8](https://www.itu.int/md/D18-TDAG28-C-0008/en), [1/REP/8](https://www.itu.int/md/D18-SG01-R-0008/en) (2018), [1/REP/16](https://www.itu.int/md/D18-SG01-R-0016/en) (2019), [1/REP/24](https://www.itu.int/md/D18-SG01-R-0024/en) (2020), [1/REP/32](https://www.itu.int/md/D18-SG01-R-0032/en) (2021), [1/REP/33](https://www.itu.int/md/D18-SG01-R-0033/en) (2021),[SG1RGQ/REP/22](https://www.itu.int/md/D18-SG01.RGQ-R-0022/en) (2020), [SG1RGQ/REP/23](https://www.itu.int/md/D18-SG01.RGQ-R-0023/en)(2021) | | | |

# Introduction

The report covers the seventh study period for ITU-D Study Group (SG) 1, between WTDC-17 and WTDC-21. SG1 concluded its work at its fourth and final meeting held in Geneva from 22 to 26 March 2021, approving final reports for all seven questions and 1 guideline document on Cost Modelling for Q4/1. The study period 2018-2021 for SG1 concluded to-date with:

* 7 Revised terms of reference for each Question (annex 6);
* 7 output reports[[1]](#footnote-1);
* 1 guideline on Cost Modelling (Question 4/1);
* 6 annual deliverables (2 for Question 2/1, a joint Question 3/1 &4/1, 2 for Question 5/1, Question 6/1);
* 4 annual Study Group Meetings from 2018 to 2021;
* 4 annual Rapporteur Group Meetings from 2018 to 2021;
* Video interviews by 6 (co-)authors of annual deliverables;
* 7 short video clips[[2]](#footnote-2) each illustrating the work of a study question’s output report;
* 6 Webinars[[3]](#footnote-3) in the 2020 “Reflections on COVID-19” series;
* WSIS 2020 and WSIS 2021 sessions[[4]](#footnote-4);
* 15 workshops[[5]](#footnote-5);
* 8 ITU News blogs[[6]](#footnote-6) which also featured in ITU News Magazine[[7]](#footnote-7);
* 139 Incoming liaison statements (SG1 and Rapporteur Group Meetings);
* 77 Outgoing liaison statements (SG1 and Rapporteur Group Meetings);
* 543 unique contributions from Membership excluding BDT contributions (table 2);
* 1237 cumulative total documents considered in 8 meetings of SG1 and RGQ (table 3);
* 1219 cumulative total participants to the 8 meetings of SG1 and RGQ (table 1);
* 168 participants at its highest for a SG1 plenary level meeting (in September 2020);
* 182 participants at most for Rapporteur Group meetings (third meeting in 2020);
* 41% is the maximum female participation level reached (SG1 plenary and Rapporteur Group Meetings of October 2021); and
* SG1 Management team contributed in ITU work including:
  + Global Symposium for Regulators (GSR) and GSR+[[8]](#footnote-8);
  + Regional Economic Dialogues (REDs) ;
  + Regional Development Forum (RDFs);
  + Regional Preparatory Meetings (RPMs);
  + Inter Regional Meetings (IRMs);
  + NOW Initiative webinars;
  + Last Mile Connectivity Toolkit elaboration;
  + Digital Regulatory Handbook and online platform development;
  + Peer review of ITU training on Quality of Service.

## Mandate and outcomes

Study Group 1 (SG1) was established in accordance with Resolution 2 (Rev. Buenos Aires, 2017) to examine, through Questions adopted by the ITU Membership at the World Telecommunication Development Conference (Buenos Aires, 2017) (WTDC-17), issues relating to the ***Enabling environment for the development of telecommunications/ information and communication technologies***. The scope of the Group is detailed in Resolution 2 (Rev. Buenos Aires, 2017) specifically on page 246 of WTDC-17 final report.

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 and adoption of digital broadcasting and implementation of new services
* Q3/1: Emerging technologies, including cloud computing, m-services, and OTTs: Challenges and opportunities, economic and policy impact for developing countries
* Q4/1: Economic policies and methods of determining the cost of services related to national telecommunication/ICT networks
* Q5/1: Telecommunication/ICT for rural and remote areas
* Q6/1: Consumer information, protection and rights: laws, regulation, economic bases, consumer networks
* Q7/1: Access to telecommunication/ICT services by persons with disabilities and other persons with specific needs

## Study Group 1 management

WTDC-17 designated the SG1 leadership for the seventh study period (2018-2021): **Ms Regina Fleur Assoumou Bessou (Côte d’Ivoire)** served as Chairman, and was assisted by Vice-Chairmen representing the six regions of the world:

* Mr Peter Ngwan Mbengie (Cameroon) (AFR)
* Mr Amah Vinyo Capo (Togo) (AFR)
* Mr Roberto Mitsuake Hirayama (Brazil) (AMS)
* Mr Victor Martinez (Paraguay) (AMS)
* Mr Ahmed Abdel Aziz Gad (Egypt) (ARB)
* Ms Sameera Belal Momen Mohammad (Kuwait) (ARB)
* Mr Yasuhiko Kawasumi (Japan) (ASP)
* Mr Sangwon Ko (Republic of Korea) (ASP)
* Mr Almaz Tilenbaev (Kyrgyz Republic) (CIS)
* Ms Anastasia Sergeyevna Konukhova (Russian Federation) (CIS)
* Mr Vadym Kaptur (Ukraine) (EUR)
* Ms Amela Odobasic (Bosnia and Herzegovina) (EUR)
* Mr Krisztián Stefanics[[9]](#footnote-9) (Hungary) (EUR)

***Study Group 1 Vice Chairmen***

The SG1 Vice-Chairmen actively followed the work assigned by WTDC-17, 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-17. Some Vice-Chairmen were also Rapporteurs or Co-Rapporteurs of Study Questions (see **annex 1**). In 2020, as part of preparation for WTDC-21 and to explore synergies with certain key ITU projects relevant study questions, some vice chairs endorsed the role of coordinators (see **annex 2**) together with active Rapporteurs. Vice-Chairmen were encouraged to work with ITU regional offices and with Administrations in their regions to take forward the ICT development agenda. A “regional action guideline for ITU-D SG Vice Chairs” (see **annex 3**) was shared for a common understanding and harmonised work by Vice-Chairmen

* to effectively support WTDC-21 regional preparatory processes especially for Future of Questions (Resolution 2) and working methods (Resolution 1);and
* to activate regional engagement in ITU-D SG and in return provide relevant ITU-D SG products to the countries (and relevant entities) in each region.

SG1 Management team members were active as speakers in ITU events including GSR, REDs[[10]](#footnote-10), RDFs[[11]](#footnote-11), RPMs (including NoW)[[12]](#footnote-12), Road to Addis[[13]](#footnote-13), WSIS, Accessible Europe, EQUALS sessions, Future of TV[[14]](#footnote-14), and contributed as experts to the elaboration of ITU products such as the Last Mile Connectivity Toolkit[[15]](#footnote-15), the Digital Regulatory handbook and online platform, the QoS ITU online training[[16]](#footnote-16) and more recently the online training course on emerging technology for the last mile connectivity, amongst other.

All engagements with the SG1 management team during 2018-2021 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. In November 2020, Mr Abdoulaye Dembele, Vice Rapporteur of Q7/1 passed away. An ebook was elaborated to pay tribute to this dear SG1 family member and it was agreed that the final report of Q7/1 be dedicated to him.

The team of Rapporteurs, Co-Rapporteurs, Vice-Rapporteurs, and BDT Focal Points responsible for the SG1 Questions can be found in **Annex 1**. The full text of the Questions including, inter alia, a statement of the Question’s context, a description of the expected output, and an initial work plan (see **annex 4**) with the required timing for the output, is available on the Study Group 1 website in document [1/2](file:///C:\Users\AWOTAR\AppData\Roaming\Microsoft\Word\~$2E_V2_Plenary%20SG1%20report.docx)[[17]](#footnote-17).

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 webinars. It is to be noted and used as a good practice for the future that the Africa regional office focal point for Q3/1 joined the informal meeting of March and worked with the Rapporteur to elaborating the meeting report. In the current spell of virtual meetings, it is an opportunity (and inexpensive) for regional focal points to be on the virtual podium to provide support, alternating with the HQ focal point, to e-meetings of SG Questions.

## Participation and written contributions (2018-2021)

**Table 1: Participation to Meetings**

Table

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Note \*indicates fully virtual meetings

A minimum total of 131 delegates participated in (at least one) Study Group 1 meeting (**Table 1**). Annual SG1 meetings on average were attended by 142 participants from 64 countries whilst annual RGQ meetings were attended on average by 129 participants from 58 countries. Member States accounted for 72% participation whilst academia accounts for 3%. On average a meeting had 37% of female participation. The cumulative total attendees to SG1 and RGQ meetings in 2018-2021 study period amount to 1219.

**Figure 1: Number of individual participants (per region) for Study Group 1 meetings**

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As indicated in the chart above (**Figure 1**), the second SG1 meeting (2019) and third RGQ meeting (2020) had the highest number of participants (the first fully virtual meeting held due to COVID-19 pandemic).

**Figure 2: Cumulative number of participants (per region) for Study Group 1**

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As indicated in the pie chart above (Figure 2), the highest number of participants are from Africa, followed by Asia and Pacific, then the Americas, Europe, Arab States and the Commonwealth of Independent States (CIS)

**Figure 3: Number of contributions received (per region) for Study Group 1**

**Chart, pie chart

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Study Group 1 received (in SG1 and RGQ Meetings) a total of 511 unique contributions from Membership with a regional distribution as indicated by the pie chart above (**Figure 3**). Africa, Asia & Pacific and Americas have around the same number. We need to be mindful of the participant distribution (Figure 2) and the total ITU-D Membership distributions per region.

**Table 2: Number of contributions received per Study Group 1 Question**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contributions from Membership received for SG1 and RGQ Meetings \* | 2018 | 2019 | 2020 | 2021 | Total |
| Q1/1 | 35 | 37 | 28 | 11 | 111 |
| Q2/1 | 8 | 33 | 8 | 3 | 52 |
| Q3/1 | 18 | 24 | 20 | 4 | 66 |
| Q4/1 | 8 | 24 | 4 | 3 | 39 |
| Q5/1 | 23 | 49 | 37 | 13 | 122 |
| Q6/1 | 17 | 42 | 20 | 6 | 85 |
| Q7/1 | 23 | 42 | 27 | 10 | 102 |
| Yearly Total Cumulative | 132 | 251 | 144 | 50 | 577 |
| Contributions for all Questions (not accounted above) | | | | | +28 |
| Contributions that were for more than 1 Question but not for all (accounted above) | | | | | -62 |
| Total Unique Contributions | | | | | **543** |

Note: \*Excludes liaison statements, contributions to all Questions and from BDT focal points

**Table 2** above provides details of contributions received per Question. The highest number of contributions (49) were received for Question 5/1 in 2019. Question 5/1 received the highest (122) total number of contributions from 2018-2021, indicating the level of interest and relevance of this Question. The highest cumulative total of contributions (251) was received in 2019.

**Table 3: Documents for SG1 and RGQ meetings per year 2018–2021**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Documents for SG1 and RGQ Meetings | 2018 | 2019 | 2020 | 2021 |
| Contributions from Memberships for SG1 Meeting | 47 | 124 | 55 | 30 |
| Incoming Liaison Statements for SG1 Meeting | 29 | 23 | 14 | 6 |
| Outgoing Liaison Statements from SG1 Meeting | 13 | 7 | 6 | 2 |
| Total documents for SG1 Meeting (includes ITU contributions, meeting and progress reports) | 142 | 198 | 177 | 132 |
| Contributions from Memberships for RGQ Meeting | 75 | 106 | 74 | 32 |
| Incoming Liaison Statements for RGQ Meeting | 14 | 25 | 16 | 12 |
| Outgoing Liaison Statements from RGQ Meeting | 21 | 15 | 10 | 3 |
| Total documents for RGQ Meeting (includes ITU contributions, meeting and progress reports) | 160 | 185 | 183 | 60 |

Table 3 above gives an indication of total documents generated (besides contributions received from Membership) for each meeting as well as the liaison statement received and prepared. Most contributions from Membership were from ITU-D Study Group management team members. Most BDT focal points from headquarters and some from regions, also submitted contributions on their actions, in the area of the study question concerned. It is to be noted that the Regional Preparatory Meeting (RPM) for Europe[[18]](#footnote-18) held on 18-19 January 2021, received contributions from member states relevant to study questions and they were requested to resubmit to ITU-D Study Groups accordingly. It may be useful for Membership submitting contributions in future RDFs to also adopt a similar approach. Active contributors who are not part of the ITU-D SG1 management team are commended for their engagement.

The content of each contribution submitted, and each document processed, are reviewed by BDT Secretariat prior to posting online. Contributions are key raw materials which are discussed in meetings and analysed by the question management teams for inclusion in annual deliverables and in final output reports. The relevance, quality and quantity of contributions are reflected in the quality of the annual deliverables and final products of Study Groups.

# Meetings

## Management team meetings

Following the appointment of the Chairman and Vice-Chairmen at WTDC in Dubai, four management team meetings were held on the eve of each annual Study Group 1 meeting. These meetings permitted the Chairman, Vice-Chairmen, Rapporteurs, Vice-Rapporteurs, BDT Focal Points and Secretariat to prepare for the meeting: i.e. review the progress of each Question under study, discuss planned and on-going activities, propose ways to manage the work product and personnel, and discuss ideas to enhance the Study Group output and procedures.

With the COVID-19 situation that arose in March 2020, additional SG1 management team meetings were held online (using MS Teams) to advance the work to prepare for the first fully virtual RGQ meetings. The virtual setting was successfully used with captioning becoming a standard for all meetings. The raw caption text and the text from public online chat during the meeting were captured in an ADM document for each meeting and shared within 2 days. These documents were useful for reference/cross checks and for preparing reports. Registered participants were invited to test sessions prior to the virtual meetings and were provided guidelines for effective online participation. Variation of these guidelines were also elaborated for contributors (who intervene online) and for chairpersons of online meetings (where clear explanations and judicious use of limited online time is critical).

## Study Group 1 meetings

During the study period, Study Group 1 met six times: between February and November of each year (2018 to 2021).

Workshops[[19]](#footnote-19) and Webinars[[20]](#footnote-20) 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.

* + 1. **The first annual SG1 meeting[[21]](#footnote-21)** was held in Geneva from 30 April 2018 to 4 May 2018. The meeting reviewed and discussed the 84 contributions received and was attended by 131 participants representing 57 countries. Decisions made included:
* Appointment of 9 Rapporteurs/co-Rapporteurs and 71 Vice-Rapporteurs to lead the Questions under study.
* Review of the main outcomes from the previous 2014-2017 study period, SG1 work plan and expectations for the 2018-2021 study period.
* Approval of draft work plans for SG1 and for all Questions, on 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/D18-SG01-R-0008/.

* + 1. **The second annual SG1 meeting[[22]](#footnote-22)** was held in Geneva from 18 to 22 March 2019.The meeting reviewed and discussed the 152 contributions received and was attended by 160 participants representing 57 countries. Decisions made included:
* Appointment of 9 additional Vice-Rapporteurs to support the Questions under study
* Taking note of the progress made on ITU-D SG1 study Question deliverables and reports.
* Agreement to release the first ITU-D SG1 annual deliverable [[23]](#footnote-23)related to the work of ITU-D SG1 Question 2/1 on “Trends in new broadcasting technologies, services and applications”.
* Taking note of the progress made on the mapping work related to: 1) Intra-sector mapping between ITU-D SG1 and SG2 Questions; 2) Mapping of ITU-D SG1 and SG2 Questions to activities in ITU-R Working Parties; and 3) Mapping of ITU-D SG1 and SG2 Questions of interest to work items and Questions in ITU-T Study Groups.
* Agreement to hold a joint ITU-D SG1 Q3/1 and Q4/1 focus session/workshop during the October 2019 RGQ meetings on the “Economic impact of OTTs on national telecommunication/ICT markets”.

The report of this meeting is available at: <https://www.itu.int/md/D18-SG01-R-0016/>.

* + 1. **The third annual SG1 meeting[[24]](#footnote-24)** was held in Geneva from 17 to 21 February 2020. The meeting reviewed and discussed the 134 contributions received and was attended by 132 participants representing 49 countries. Decisions made included:
* Agreement to share draft Question output reports shared for all seven SG1 Questions.
* Agreement to release three ITU-D SG1 annual deliverables[[25]](#footnote-25) under the auspices of the Chairman of Study Group 1 to inform the public of the work done and to encourage further contributions:
* Question 2/1 annual deliverable on “Considerations about the cost structure of the digital transition, including new services and applications”.
* Question 3/1 and Question 4/1 joint annual deliverable on “Economic impact of OTTs on national telecommunication/ ICT markets”.
* Question 5/1 annual deliverable on “Broadband development and connectivity solutions for rural and remote areas”.
* Taking note of the discussion held on the linkages between ITU-D study Questions and the activities of the expert groups on indicators (Expert Group on ICT Household Indicators (EGH) and Expert Group on Telecommunication/ICT Indicators (EGTI)). A joint SG1/SG2 liaison statement to EGH and EGTI will further strengthen the collaboration between the groups.
* Agreement on coordination to capture Question topics of interest related to WTDC Resolution 9 (Rev. Buenos Aires, 2017) which can be reported using a new template through the Study Groups chairs to TDAG for the BDT Director to consider.
* Taking note of initial approaches and ideas shared on future topics of study.
* Taking note of progress on the mapping work at the input from ITU-D Study Groups and shared with TDAG through a joint liaison statement in 2019 with need for some clarification in the work between the sectors and the Secretariat.
* Endorsement of the proposal from Brazil to hold a Question 6/1 related workshop in Brasilia (Brazil) from 1 to 3 July 2020 on the topic of “Digital consumer trends”. The workshop would also serve to finalize the draft Question 6/1 annual deliverable.
* Taking note of the discussions on a dedicated session on the work of ITU-D Study Groups to be held during the 2020 edition of WSIS Forum further advanced as well as topical sessions related to study Questions.

The report of this meeting is available at: <https://www.itu.int/md/D18-SG01-R-0024/>.

* + 1. **An extra-plenary SG1 meeting[[26]](#footnote-26)** was held together with the usual RGQ meetings, in fully virtual online format from 21September to 2October 2020 in view of the global pandemic. The extra opening plenary was necessary to approve annual deliverables and advance the work of SG1. The meeting reviewed and discussed the 116 contributions received and was attended by 168 participants representing 59 countries. Decisions made included:
* Approval of the annual deliverable on “Unsolicited Commercial Communications – an overview of challenges and strategies” with the understanding of enriching the document with further contributions received in the ensuing RGQ6/1 meetings in 2020.
* Taking note that 9 webinars “Reflections on COVID-19” were held and contents from these sessions have been used to enrich final output reports of questions.
* Taking note that virtual collaboration has been enhanced through management question meetings, monthly Study Group 1 management team meetings held since April 2020 and joint Study Group 1 and 2 management team meetings in June and in August.
* Taking note that all 7 draft final output reports had been submitted for comments at RGQ meetings of 2020.
* Taking note of initial proposals on the themes of the WTDC Draft Declaration, the consolidated reporting on preliminary views on the future of ITU-D Study Group Questions for SG1, the initial proposals on the Rules and Procedures of ITU-D related to Study Groups to be included in WTDC Resolution 1 through the respective SG1 & SG2 coordinators
* Taking note of the progress on FIGI and PRIDA projects through the respective SG1 & SG2 coordinators.

The report of this meeting is available at: <http://www.itu.int/md/D18-SG01.RGQ-R-0022/>.

**2.2.5 The fourth meeting[[27]](#footnote-27)** was held in fully virtual online format from 22 to 26 March 2021. As fully online meetings have limited durations, for better preparation and for consolidating common SG1 and SG2 aspects:

* a special fully virtual plenary meeting of SG1 was held on 24 September 2020, prior the start of the first fully virtual set of RGQ meetings for September-October 2020
* an informal set of RGQ e-meetings for SG1 was held from 1-5 March 2021
* a joint fully virtual e-meeting of SG1 and SG2 was held on 31 March and 1 April 2021 to discuss and consolidate outcomes of working methods (Resolution 1) and Future of Questions (Resolution2) to be submitted to the TDAG-WG-RDTP

The fourth SG1 meeting reviewed and discussed the 61 contributions received and was attended by 170 participants representing 63 countries. Decisions made included:

* Approval of seven reports[[28]](#footnote-28) containing the outputs called for by WTDC-21 for all SG1 Questions and one Guideline for Question 4/1.
* Approval of the change in Management for Question 6/1 with the appointment of co-Rapporteurs are Ms Leonel (Brazil) and Ms Gulati (India).
* Agreement to a joint liaison statement of SG1 & SG2 to EaPeReg.
* Noting that all the seven Questions submitted a contribution on draft updated terms of reference for their Questions for consideration by TDAG and by Membership.
* Noting the release of the annual deliverable[[29]](#footnote-29) of Q6/1 on *‘Unsolicited Commercial Communications’* in February 2021 together with an ITU News blog and interview of authors.
* Agreement 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.

The meeting also held constructive discussions on the future of the study Questions. The meeting dates for Study Group 1 during the next study period (2022 –2025) were also considered.

The report of this meeting is available at: <https://www.itu.int/md/D18-SG01-R-0032/>.

* + 1. **An extra-plenary SG1 meeting[[30]](#footnote-30)** was held in fully virtual online format from 11 to 15 October 2021 in line with the TDAG decision taken at its 28th meeting (24-28 May 2021) to refine the ToRs of Questions which were submitted to TDAG as part of the contingency proposals ([TDAG-21/10](https://www.itu.int/md/D18-TDAG28-C-0010/en) item 2). The meeting reviewed and discussed the 57 contributions received and was attended by 107 participants representing 53 countries. Decisions made included:
* Agreement to the updated SG 1workplan update document which caters for the extended duration until WTDC in June 2022.
* Approval of the change in Management for Question 3/1 and Question 6/1 with the appointment of vice -Rapporteur Ms Tambe (Facebook) and co-Rapporteurs Mr Kumar (India) respectively.
* Approval of the revised/refined ToRs which were discussed and agreed in the RGQ meetings from 11 to 14 October as per the table below and as per **annex 6**. These ToRs are submitted to TDAG for appropriate action.

**Table 4: Revised ToRs for Study Group 1 Questions**

|  |  |
| --- | --- |
| **Question** | **Revised text approved at SG1 Meeting** |
| Q1/1 | [SG1RGQ/420](https://www.itu.int/md/D18-SG01.RGQ-C-0420/en) (Rev.1) |
| Q2/1 | [SG1RGQ/421](https://www.itu.int/md/D18-SG01.RGQ-C-0421/en) (Rev.1) |
| Q3/1 | [SG1RGQ/422](https://www.itu.int/md/D18-SG01.RGQ-C-0422/en) (Rev.1) |
| Q4/1 | [SG1RGQ/423](https://www.itu.int/md/D18-SG01.RGQ-C-0423/en) (Rev.1) |
| Q5/1 | [SG1RGQ/424](https://www.itu.int/md/D18-SG01.RGQ-C-0424/en) (Rev.1) |
| Q6/1 | [SG1RGQ/425](https://www.itu.int/md/D18-SG01.RGQ-C-0425/en) (Rev.1) |
| Q7/1 | [SG1RGQ/426](https://www.itu.int/md/D18-SG01.RGQ-C-0426/en) (Rev.1) (same as [TDAG-21/32](https://www.itu.int/md/D18-TDAG28-C-0032/en)) |

* Noting that this is the last Study Group meeting before WTDC
* Noting that the final reports (including the Q4/1 Cost Modelling Guidelines) are available at [www.itu.int/itudsgpub](http://www.itu.int/itudsgpub) as free publications in all UN languages and are accompanied by short video clips.
* Taking note of ongoing promotional actions through BDT events and beyond with active participation of the SG1 management team members as speaker, for meaningful use of the findings of the publications.
* Noting that the RGQ e-meeting for Question 7/1 benefitted from International Sign Language made available which was highly appreciated and commended.

The next meeting date for the next Study Group 1 will be the first meeting of the next study period (2022 –2025), scheduled from 31st October 2022 to 4 November 2022.

The report of this meeting is available at: <https://www.itu.int/md/D18-SG01-R-0032/>.

**Annex 5** presents a table showing the dates the Study Group and Rapporteur Groups met during the period. A substantial amount of the work was carried out electronically and by correspondence in between physical meetings, notably to finalise the annual deliverables, output reports and to prepare for workshops and webinars.

## 2.3 Joint SG1 and SG2 plenary meeting

**The joint SG1 and SG2 meeting[[31]](#footnote-31)** was held on 31st March and 1st April 2021 to discuss and consolidate outcomes of working methods (Resolution 1) and Future of Questions (Resolution2) to be submitted to the TDAG-WG-RDTP. The meeting reviewed and discussed the 18 contributions (including TDs) and was attended by 131 (42 % female delegates) participants representing 55 countries.

Decisions made included:

* Taking note of (document [1/477](https://www.itu.int/md/D18-SG01-C-0477) ) the status of current progress in the TDAG Working Group on Resolutions, Declaration and Thematic Priorities (TDAG WG-RDTP).
* Noting and further submits for information to TDAG (document [1/474](https://www.itu.int/md/D18-SG01-C-0474)) the results of the joint end of study period survey and introduces participants to Results Based Management (RBM) initiative recently started for Study Groups and requests TDAG to further inform Membership of the survey results for use in preparing for WTDC-21.
* Agreement to submit (document [1/471](https://www.itu.int/md/D18-SG01-C-0471/)) the proposals for updating the Rules and Procedures of ITU-D (WTDC Resolution 1, rev. 2021) related to Study Groups which will be conveyed to TDAG WG-RTDP through a liaison statement for further discussion at TDAG.
* Agreement to submit (document [1/472](https://www.itu.int/md/D18-SG01-C-0472/)) an overview and insights on the future of ITU-D study Questions, based on discussions held during the last Study Group meetings in March 2021 and further consolidated in the joint meeting.
* Noting (document [1/473](https://www.itu.int/md/D18-SG01-C-0473)) the current status on streamlining of WTDC Resolutions.
* Noting (document [1/478](https://www.itu.int/md/D18-SG01-C-0478)) the draft Addis Ababa Declaration under discussion in the TDAG WG-RDTP.

# Summary of the key results achieved

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

The output report available in document [1/414](https://www.itu.int/md/D18-SG01-C-0414/en)(Rev.3) approved at the SG1 fourth meeting of 26th March 2021, is published for public access in all official UN languages and made available through the [ITU-D Study Groups publications webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/Publications.aspx), [myITU](https://www.itu.int/en/myitu/Publications/2021/07/22/15/17/Strategies-and-policies-for-the-deployment-of-broadband-in-developing-countries) and the [ITU publications webpage](https://www.itu.int/pub/D-STG-SG01.01.2-2021). The output report is complemented by a short video clip ([available online](https://youtu.be/NPHb5HdUp2Q)) prepared by the management team with the support of the Secretariat.

Document [1/454](https://www.itu.int/md/D18-SG01-C-0454/en) on the Q1/1 future terms of reference initially submitted for further use by TDAG and Membership as part of WTDC-21 preparations, was further refined/revised as per the TDAG decision taken at its 28th meeting in May 2021. The refined version is available as document [SG1RGQ/420](https://www.itu.int/md/D18-SG01.RGQ-C-0420/en) (Rev.1).

Workshops and webinars to enrich output reports and annual deliverables, where applicable together with actions to initiate dissemination of outputs are listed (not exhaustive) on this [webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/events_workshops.aspx) . Q1/1 specifically organised 2 sessions in September 2018 and September 2019 towards this.

* 1. **Question 2/1 – Strategies, policies, regulations and methods of migration and adoption of digital broadcasting and implementation of new services**

The output report available in document [1/415](https://www.itu.int/md/D18-SG01-C-0415/en)(Rev.2) approved at the SG1 fourth meeting of 26th March 2021, is published for public access in all official UN languages and made available through the [ITU-D Study Groups publications webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/Publications.aspx), [myITU](https://www.itu.int/en/myitu/Publications/2021/07/27/08/38/Strategies---policies---regulations-and-methods-of-migration-and-adoption-of-digital-broadcasting) and the [ITU publications webpage](https://www.itu.int/pub/D-STG-SG01.02.2-2021). The output report is complemented by a short video clip ([available online](https://youtu.be/Ne_5_CcVQgs)) prepared by the management team with the support of the Secretariat.

Document [1/460](https://www.itu.int/md/D18-SG01-C-0460/en) on Q2/1 future terms of reference initially submitted for further use by TDAG and Membership as part of WTDC-21 preparation, was further refined/revised as per the TDAG decision taken at its 28th meeting in May 2021. The refined version is available as document [SG1RGQ/421](https://www.itu.int/md/D18-SG01.RGQ-C-0421/en) (Rev.1).

Two annual deliverables approved and released are:

“[Trends in new broadcasting technologies, services and applications"](https://www.itu.int/oth/D0717000001/en) (2019) with a [video interview](https://youtu.be/lo-FsnOgmpA) with the author; and

“[Considerations about the cost structure of the digital transition, including new services and applications"](https://www.itu.int/oth/D0723000001/en) (2020) with a [video interview](https://youtu.be/ectFF7DVtWk) with the author and [an ITU news blog](https://www.itu.int/en/myitu/News/2020/05/13/12/16/New-ITU-D-study-paper-helps-countries-consider-cost-structures-and-new-models).

Workshops and webinars to enrich output reports and annual deliverables, where applicable together with actions to initiate dissemination of outputs are listed (not exhaustive) on this [webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/events_workshops.aspx). Q2/1 was specifically engaged in 4 sessions in March 2019, February 2020, July 2020 and April 2021.

* 1. **Question 3/1 –** **Emerging technologies, including cloud computing, m-services, and OTTs: Challenges and opportunities, economic and policy impact for developing countries**

The output report available in document [1/416](https://www.itu.int/md/D18-SG01-C-0416/en)(Rev.1) approved at the SG1 fourth meeting of 26th March 2021, is published for public access in all official UN languages and made available through the [ITU-D Study Groups publications webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/Publications.aspx), [myITU](https://www.itu.int/en/myitu/Publications/2021/07/22/12/07/Emerging-technologies) and the [ITU publications webpage](https://www.itu.int/pub/D-STG-SG01.03.2-2021). The output report is complemented by a short video clip ([available online](https://youtu.be/vAfdoL6Oaw4)) prepared by the management team with the support of the Secretariat.

Document [1/468](https://www.itu.int/md/D18-SG01-C-0468/en) on the Q3/1 future terms of reference initially submitted for further use by TDAG and Membership as part of WTDC-21 preparation, was further refined/revised as per the TDAG decision taken at its 28th meeting in May 2021. The refined version is available as document [SG1RGQ/422](https://www.itu.int/md/D18-SG01.RGQ-C-0422/en) (Rev.1).

One joint annual deliverable (with Q4/1) approved and released is “[Economic impact of OTTs on National Telecommunication/ICT markets"​](https://www.itu.int/oth/D0723000003/en) (2020) with a [video interview](https://youtu.be/WR7CWptJ4lY) with the authors and an [ITU news blog](https://www.itu.int/en/myitu/News/2020/06/10/10/53/ITU-launches-new-study-paper-on-economic-impact-of-OTTs).

Workshops and webinars to enrich output reports and annual deliverables, where applicable together with actions to initiate dissemination of outputs are listed (not exhaustive) on this [webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/events_workshops.aspx) . Q3/1 was specifically engaged in 4 sessions in October 2019, February 2020, May 2020 and July 2020.

* 1. **Question 4/1 – Economic policies and methods of determining the cost of services related to national telecommunication/ICT networks**

The output report available in document [1/417](https://www.itu.int/md/D18-SG01-C-0417/en)(Rev.1) approved at the SG1 fourth meeting of 26th March 2021, is published for public access in all official UN languages and made available through the [ITU-D Study Groups publications webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/Publications.aspx), [myITU](https://www.itu.int/en/myitu/Publications/2021/07/06/09/42/Economic-policies-and-methods-of-determining-the-costs-of-services) and the [ITU publications webpage.](https://www.itu.int/pub/D-STG-SG01.04.2-2021)  The output report is complemented by a short video clip ([available online](https://youtu.be/Ze7O5ZL3XRg)) prepared by the management team with the support of the Secretariat.

The Cost Modelling guidelines available in document [1/422](https://www.itu.int/md/D18-SG01-C-0417/en) approved at the SG1 fourth meeting of 26th March 2021, is also published for public access in all official UN languages and made available through the [ITU-D Study Groups publications webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/Publications.aspx), [myITU](https://www.itu.int/en/myitu/Publications/2021/07/06/10/00/Guidelines-on-Cost-Modelling) and from [ITU publications webpage](https://www.itu.int/pub/D-STG-SG01.04_CST_MOD-2021).

Document [1/444](https://www.itu.int/md/D18-SG01-C-0444/en) on the Q4/1 future terms of reference initially submitted for further use by TDAG and Membership as part of WTDC-21 preparation, was further refined/revised as per the TDAG decision taken at its 28th meeting in May 2021. The refined version is available as document [SG1RGQ/423](https://www.itu.int/md/D18-SG01.RGQ-C-0423/en) (Rev.1).

One joint annual deliverable (with Q3/1) approved and released is “[Economic impact of OTTs on National Telecommunication/ICT markets"​](https://www.itu.int/oth/D0723000003/en) (2020) with a [video interview](https://youtu.be/WR7CWptJ4lY) with the authors and an [ITU news blog](https://www.itu.int/en/myitu/News/2020/06/10/10/53/ITU-launches-new-study-paper-on-economic-impact-of-OTTs).

Workshops and webinars to enrich output reports and annual deliverables, where applicable together with actions to initiate dissemination of outputs are listed (not exhaustive) on this [webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/events_workshops.aspx) . Q4/1 specifically organised 5 sessions in September 2018, October 2019, February 2020, June 2020 and July 2021 together with 9 sessions as part of GSR+ and RED between 2018 and 2021.

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

The output report available in document [1/418](https://www.itu.int/md/D18-SG01-C-0418/en)(Rev.4) approved at the SG1 fourth meeting of 26th March 2021, is published for public access in all official UN languages and made available through the [ITU-D Study Groups publications webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/Publications.aspx), [myITU](https://www.itu.int/en/myitu/Publications/2021/07/22/13/20/Telecommunications-ICTs--for-rural-and-remote-area) and the [ITU publications webpage](https://www.itu.int/pub/D-STG-SG01.05.1-2021). The output report is complemented by a short video clip ([available online](https://youtu.be/TjlEyKKLEFQ)) prepared by the management team with the support of the Secretariat.

Document [1/435](https://www.itu.int/md/D18-SG01-C-0435/en) on the Q5/1 future terms of reference initially submitted for further use by TDAG and Membership as part of WTDC-21 preparation, was further refined/revised as per the TDAG decision taken at its 28th meeting in May 2021. The refined version is available as document [SG1RGQ/424](https://www.itu.int/md/D18-SG01.RGQ-C-0424/en) (Rev.1).

An annual deliverable approved and released is “[[Br​​​oadband development and connectivity solutions for rural and remote areas"](https://www.itu.int/oth/D0723000002/en)​](https://www.itu.int/oth/D0723000003/en) (2020) with a [video interview](https://youtu.be/vKgjxJJlou0) with the author and an [ITU news blog](https://www.itu.int/en/myitu/News/2020/05/25/13/34/ITU-launches-new-study-paper-on-broadband-and-connectivity-solutions-for-rural-and-remote-areas).

Workshops and webinars to enrich output reports and annual deliverables, where applicable together with actions to initiate dissemination of outputs are listed (not exhaustive) on this [webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/events_workshops.aspx) . Q5/1 organised 2 sessions in September 2019 and February 2020 towards this.

* 1. **Question 6/1 – Consumer information, protection and rights: laws, regulation, economic bases, consumer networks**

The output report available in document [1/419](https://www.itu.int/md/D18-SG01-C-0419/en)(Rev.1) approved at the SG1 fourth meeting of 26th March 2021, is published for public access in all official UN languages and made available through the [ITU-D Study Groups publications webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/Publications.aspx), [myITU](https://www.itu.int/en/myitu/Publications/2021/07/22/12/33/Consumer-information) and the [ITU publications webpage](https://www.itu.int/pub/D-STG-SG01.06.4-2021). The output report is complemented by a short video clip ([available online](https://youtu.be/S7blnPQMjew)) prepared by the management team with the support of the Secretariat.

Document [1/467](https://www.itu.int/md/D18-SG01-C-0467/en) on the Q6/1 future terms of reference initially submitted for further use by TDAG and Membership as part of WTDC-21 preparation, was further refined/revised as per the TDAG decision taken at its 28th meeting in May 2021. The refined version is available as document [SG1RGQ/425](https://www.itu.int/md/D18-SG01.RGQ-C-0425/en) (Rev.1).

An annual deliverable approved and released is “[[[Unsolicited Commercial Communications – an overview of challenges and strategies"​](https://www.itu.int/oth/D0727000001/en)](https://www.itu.int/oth/D0723000002/en) ​](https://www.itu.int/oth/D0723000003/en)(2020) with a [video interview](https://youtu.be/tSVfvLcIWHw) with the authors and an [ITU news blog](https://www.itu.int/en/myitu/News/2021/02/03/08/10/Unsolicited-commercial-communications-spam-calls).

Workshops and webinars to enrich output reports and annual deliverables, where applicable together with actions to initiate dissemination of outputs are listed (not exhaustive) on this [webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/events_workshops.aspx) . Q6/1 organised a session in July 2020 towards this.

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

The output report available in document [1/420](https://www.itu.int/md/D18-SG01-C-0420/en)(Rev.2) approved at the SG1 fourth meeting of 26th March 2021, is published for public access in all official UN languages and made available through the [ITU-D Study Groups publications webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/Publications.aspx), [myITU](https://www.itu.int/en/myitu/Publications/2021/07/06/12/15/Access-to-telecommunication-and-ICT-services-by-persons-with-disabilities) and the [ITU publications webpage](https://www.itu.int/pub/D-STG-SG01.07.5-2021). The output report is complemented by a short video clip ([available online](https://youtu.be/g9_YnkTfPyI)) prepared by the management team with the support of the Secretariat.

Document [1/445](https://www.itu.int/md/D18-SG01-C-0445/en) on the Q7/1 future terms of reference initially submitted for further use by TDAG and Membership as part of WTDC-21 preparation, was further refined/revised as per the TDAG decision taken at its 28th meeting in May 2021. The refined version is available as document [SG1RGQ/426](https://www.itu.int/md/D18-SG01.RGQ-C-0426/en) (Rev.1) or [TDAG-21/32](https://www.itu.int/md/D18-TDAG28-C-0032/en).

Workshops and webinars to enrich output reports and annual deliverables, where applicable together with actions to initiate dissemination of outputs are listed (not exhaustive) on this [webpage](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/events_workshops.aspx) . Q7/1 specifically organised 3 sessions in September 2018, October 2019 and June 2020.

# Collaboration with other groups

* 1. **Inter-Sectoral Coordination**

Active collaboration is ongoing in the form of participation in Study Group sessions and events to exchange information and seek specific inputs between Study Groups. An inter-Sectoral mapping table[[32]](#footnote-32), which maps common areas of work between the ITU-D and ITU-T Study Groups and between the ITU-R and ITU-T Study Groups has been developed by coordinators appointed to that effect and is now maintained by the Secretariat of the [Inter-Sectoral Coordination Group](https://www.itu.int/en/general-secretariat/Pages/ISCG/default.aspx) (ISCG) on issues of mutual interest in collaboration with the Secretariats of Study Groups of all three ITU Sectors. The coordinator from ITU-D Study Group1 side is Mr Arseny Plossky (Russian Federation), Rapporteur for Q4/1 whose hard work in this area is commended. Should an update be required, the Secretariat will work with relevant stakeholders including the SG1 coordinator and ISCG Secretariat.

A liaison statement was received from the ISCG for Question 7/1’s consideration. It shared an update from the Inter-Sectoral Coordination Task Force (ISC-TF) Focal Point on activities being coordinated among the three Sectors and the General Secretariat on the theme of accessibility with a request to register to be on its mailing list and share feedback on the information provided including ITU’s accessibility policy and planned actions.

* 1. **Resolution 9 –Participation of countries, particularly developing countries, in spectrum management**

In 2019, the ITU-D Study Groups agreed that to fulfil the needs of developing countries stated in Resolution 9 (Rev. Buenos Aires, 2017), study Questions for which close collaboration would be sought with ITU‑R, would be identified. The Coordinators for SG1 and SG2 appointed to that effect are Mr Roberto Hirayama (Brazil), Vice-Chairman SG1 and Mr Fadel Digham (Egypt), Co-Rapporteur for Question1/2. As discussed at TDAG, at each annual Study Group meeting, with support from the BDT Focal Point for Resolution 9, the Coordinators will submit a summary of the compiled findings on WTDC Resolution 9 issues to the Study Group chairs, who will transmit them to the BDT Director. The BDT Director can then coordinate with the BR Director as appropriate. TDAG also noted that the said summary provided by the Study Group chairs can serve as a basis for the required contribution to TDAG on Resolution 9 implementation activities. Report [TDAG-20/12](https://www.itu.int/md/D18-TDAG25.2-C-0012/en) was shared and the latest report submitted by coordinators to the SG1 meeting in March 2021 is document [1/448](https://www.itu.int/md/D18-SG01-C-0448/en) (Vice-Chairman SG1, Brazil and Co-Rapporteur Q1/2). TDAG is hereby apprised of this document which takes into consideration discussions on the final output reports of each of the questions continued in ITU-D Study Group 1 and further content included in the reports. The main focus of the contributions remained the same as stated in the TDAG document referred above namely for ITU-D SG1 (in order of priority):

* Need 10: Emerging technologies and approaches in using spectrum.
* Need 8: Transition to digital terrestrial television broadcasting.
* Need 1: Assistance in raising the awareness of national policy-makers as to the importance of effective spectrum management for a country's economic and social development.
* Need 5: Economic and financial aspects of spectrum management.
* Need 9: Assistance in identifying the most efficient ways to utilize the digital dividend.

It can be noted that “emerging technologies and approaches to using spectrum” is the topic of most interest to the Membership. Therefore, it is useful to highlight the importance of both Directors of the BDT and BR addressing this important issue in their joint Report to WTDC-21 on the implementation of Resolution 9.

There is a need to improve collaboration of BR and BDT Directors, in fulfilling the Resolution’s objectives, with new and innovative approaches, taking into consideration relevant ITU-R and ITU-D Study Group activities as well as relevant projects, events and capacity building actions including PRIDA and WSIS Forum sessions for action line C2.

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

ITU CCT was created through Council Resolution 1386 (“ITU Coordination Committee for Terminology (ITU CCT)”) in 2017 as a joint working body within ITU responsible for the adoption and agreement of terms and definitions in the field of telecommunications/ICTs in all six official languages of the Union. In accordance with WTDC Resolution 86 (Buenos Aires, 2017) on the “Use in the ITU Telecommunication Development Sector of the languages of the Union on an equal footing” TDAG in 2018 appointed Mr Peter Mbengie (Cameroon), Vice-Chairman of ITU-D SG1, and Ms Ke Wang (People’s Republic of China), Vice-Chairman of ITU-D SG2, to be the ITU-D’s representatives on the ITU Coordination Committee for Terminology (ITU CCT).

During the 2018-2021 study period, ITU CCT met nine times[[33]](#footnote-33). 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. Matters of interest to ITU-D work included the following:

* No general definition of broadband access that would be suitable to the context of work of all parties involved could be given.
* Some terms and definitions proposed by ITU-R and ITU-T Study Groups were linked with activities that are related to ITU-D study Questions, including communities, broadcasting, cloud computing.
* ITU-D Study Groups was encouraged to take into account the established use of terms and existing definitions in ITU, in particular those appearing in the online ITU Terms and Definitions database.
* ITU-D Study Group members acknowledged the need to be more involved in the work of ITU-CCT and continue to carry out fruitful cooperation in the future.

Document [1/451](https://www.itu.int/md/D18-SG01-C-0451) is a contribution by the SG1 (and SG2) Coordinator submitted at the fourth SG1 meetings.

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

In the context of implementing ITU Plenipotentiary Conference (PP) Resolution 131 (Rev. Dubai, 2018) on “Measuring information and communication technologies to build an integrating and inclusive information society” and WTDC Resolution 8 (Rev. Buenos Aires, 2017) on “Collection and dissemination of information and statistics”, two liaison statements from the Expert Group on ICT Household Indicators (EGH) and the Expert Group on Telecommunication/ICT Indicators (EGTI) respectively were received with the aim to create a working mechanism to ensure collaboration between these expert groups and the ITU-D Study Groups, and to share information of mutual interest. Following this proposal, the Study Groups appointed Ms Anastasia Konukhova (Russian Federation), Vice-Chairman of ITU-D SG1, and Mr Roland Kudozia (Ghana), Vice-Chairman ITU-D SG2, as coordinators to explore deeper synergies with EGH and EGTI, by initiating studies on linkages between ITU-D study Questions and activities of EGH and EGTI and identifying topics and indicators of interest for their current studies and possible future work. Liaison statements[[34]](#footnote-34) were exchanged accordingly.

Document [1/449](https://www.itu.int/md/D18-SG01-C-0449) is a contribution by SG1 (and SG2) Coordinator submitted at the fourth SG1 meetings. It contains outcomes of the 11th EGTI meeting (2020), 8th EGH meeting (2020) and 17th World Telecommunication/ICT Indicators Symposium (WTIS) “Towards an inclusive digital society” and useful links and resources to ITU-D activities in field of ICT statistics and data analysis.

Topics for future work agreed at these meetings and of relevance to the topics of the SG1 Questions included “*the measurement of over-the-top services (OTT) effects on mobile traffic*”, “*impact of the COVID-19 pandemic on telecoms and the way ICT was used to mitigate it*” and “*Measuring digital inclusion*”. Both expert groups highlighted the importance of further collaboration with the ITU‑D SGs and encouraged ITU-D members to participate actively in meetings and the online discussion forum on the topics outlined for future work.

A further update ([SG1RGQ/441](https://www.itu.int/md/D18-SG01.RGQ-C-0441/en)) was shared by BDT on selected activities conducted by the ICT Data and Analytics Division (IDA) during the period 2020-2021 and reports on the main conclusions of the 12th meeting of the Expert Group on Telecommunication/ICT Indicators and the 9th meeting of the Expert Group on ICT Household Indicators, both convened by IDA in September 2021.

* 1. **Synergies with BDT projects and initiatives**

With the aim to strengthen synergies between the Study Groups and BDT projects, SG coordinators were appointed in September 2020 for two projects on an exploratory basis. These are :

* FIGI (Financial Inclusion Global Initiative)[[35]](#footnote-35), which aims at leveraging ICTs for financial services to achieve digital financial inclusion and the SG coordinators are Mr Ahmad Gad (Egypt), Vice-Chairman of ITU‑D SG1, and Mr Fadel Digham (Egypt), Co-Rapporteur for Question 1/2.
* PRIDA (Policy and Regulation Initiative for Digital Africa)[[36]](#footnote-36), which aims to build capacity to foster universally accessible and affordable broadband across the African continent to unlock future benefits of Internet-based services and the SG Coordinator is Mr Haim Mazar (ATDI, France), Co-Rapporteur for Question 7/2.

Document [SG1RGQ/383 + annex](https://www.itu.int/md/D18-SG01.RGQ-C-0383) (FIGI), [SG1RGQ/359 + annex](https://www.itu.int/md/D18-SG01.RGQ-C-0359) (PRIDA) and [1/438](https://www.itu.int/md/D18-SG01-C-0438) (PRIDA) were submitted as contributions by the coordinators.The background and status of implementation of the projects were shared by the coordinators at plenary meetings including a mapping to relevant study questions and events/activities (capacity-building workshops and development of technical guidelines) of potential interest to ITU-D SG participants. Calls for experts to work on these projects were also made, where applicable.

Other actions for collaboration towards more meaningful outputs include:

* A call for engaging the youth in the future study period was made by the Generation Connect team.
* Outcomes from the Global Symposium for Regulators (GSR) are regularly received as contributions for consideration by relevant study questions, in the preparation of their outputs.
* BDT accessibility work updates are regularly received as contributions for consideration by Question 7/1.
* A call for Study Group meeting attendees to use the Last Mile Connectivity toolkit was received through a BDT contribution.

## 4.6 Collaboration with WSIS

As encouraged by the Council Working Group on WSIS&SDG (CWG-WSIS&SDG) for ITU Study Groups and the WSIS Secretariat to work closely towards contributions to the WSIS and SDG Process, areas of collaboration explored during this study period include:

* Linkages developed between winners and champion from WSIS Prizes and ITU-D Study Group Questions (Documents [1/207](https://www.itu.int/md/D18-SG01-C-0207/)) for consideration in relevant output reports.
* A thematic workshop to present the work of the two Study Groups: “*Facing Realities in Digital Transformation: Emerging Trends and Challenges*” at the WSIS Forum 2020.
* Question 3/1 specifically organized a workshop to augment the content needed for its output report - titled *“A roadmap to a trusted Cloud for Good”* at the WSIS Forum 2020.
* Members of the ITU-D Study Group 1 management team also participated as speakers and moderators in the WSIS Forums 2020 and 2021.
* Updates through regular contributions on WSIS activities and possibilities for more collaboration.

# Results of the survey on the work of ITU-D Study Groups (7th study period, 2018-2021)

In keeping with Section 12.4.3 of Resolution 1 (Rev. Buenos Aires, 2017), 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 September-October 2020 RGQ Meetings of ITU-D Study Groups 1 and 2. The final version of the questionnaire was issued as an online survey to the ITU-D Membership (see [ITU-D Circular Letter 11](https://www.itu.int/md/D18-CA-CIR-0011/en)) on 18th December 2020 with the closing date of 15th January 2021. The deadline was extended to 29th January 2021. The results of the joint survey were analysed and were submitted to the meetings of the Study Groups Through this report, SG1 wishes to apprise TDAG of document [1/474](https://www.itu.int/md/D18-SG01-C-0474)\* (BDT) which has annexed the survey report and a shorter presentation of the key findings, for transmission to the next WTDC, as needed.

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Some findings to consider

* 68 responses were received (37 responses in previous survey)
* Developing countries had the highest percentage of respondents, while respondents represented a fairly consistent geographical spread.
* Attendance to virtual meetings were high as they are less resource intensive and less costly. Connectivity is a challenge for virtual meetings. Lack of budget was the main reason for not attending physical meetings in the past.
* Governments are perceived as encouraging SMEs, academia and industry participation in Study Groups’ work (specific examples were shared by respondents).
* Collaboration with ITU-T and ITU-R were appreciated and stand to be further enhanced.
* While most respondents understand the structure of Questions, almost half of them consider that certain important topics are not being addressed.
* Questions perceived of having the highest importance are Q1/1, Q3/1, Q5/1 and Q3/2.
* 85% of respondents use Study Group work output in drafting policies and regulations with specific examples provided in the report (with URLs).
* More workshops and annual deliverables throughout the study period rank high in the opinion of respondents when asked how to enhance usage of outputs.

The findings of the surveys can be useful for the Membership as part of preparations for WTDC-21 particularly the sections relevant to discussions on the future of Questions and on working methods of Study Groups.

# The “3Is” Vision for Study Group1

Innovative aspects explored in the 2018-2021 study period can be summarised under the 3Is vision presented by the SG1 Chairman at the very first SG1 meeting and reviewed in the closing of the fourth SG1 meeting. The shared vision guided our work where we capitalize on the expertise of all the stakeholders:

* More **Interaction** between stakeholders in the work (contributions, experience sharing);
* More **Innovation** in the working methods; and
* More **Implementation** of the results of the ITU-D Study Group outcomes by Member States.

**Interaction** is being improved through

* More management team (e)meetings: Question, Study Group and Joint SGs.
* WhatsApp groups for efficient e-meetings behind the scene coordination.
* Closer collaboration with SG2 (joint meeting, joint management team meeting and joint SG chair consultations with Secretariat).
* More liaison statements with relevant groups in other sectors as well as with other UN agencies.
* Assigned role of Coordinators (EGH, EGTI, CCT, PRIDA, FIGI, Resolution 9, WTDC Declaration, Resolution 1 Working Methods, Resolution 2 Future of Questions, Streamlining of Resolutions) that enhanced synergies.
* ITU-D Members active in Questions also worked as experts for developing BDT products e.g. Last Mile Connectivity, Digital Regulation Handbook and supporting BDT events (RDFs, RPMs, REDs).

**Innovation** is being enhanced through

* More e-meetings from informal to formal ones, from those with small groups to those with 200+ persons.
* Use of new technologies for document sharing and co-editing.
* Initiating and successfully completing a mapping of Questions across all ITU sectors which is maintained by the respective Secretariats.
* Revisiting the role of Vice Chair roles for regions through guidelines.
* More workshops, new webinars, WSIS seminars, sessions or speakers at RPMs, RDFs, REDs which help to inform all of SG1 work and to get inputs to enrich SG1 outputs
* Annual Deliverables (also known as papers) with relevant ITU News blogs, Interviews and website promotion as they are free, for public access and available in all official languages of the UN
* Professional editing of final output reports which was very well received by the management teams and Membership at large
* Captioning for all meetings which is not only useful for those with hearing disabilities but also for those with audio connection problems, amongst other.
* Access to raw text of captioned meetings and public chats shared online during meeting which bring further clarity, transparency and facilitates crosschecking of information for report writing
* Fully virtual RGQ meetings and Plenaries
* Results Based Management (RBM) which is a work in progress by the Secretariat and they will share more in the next study period. RBM brings clarity of purpose and focus on core activities that have impact for our target audience.

**Implementation** is an ongoing process to translate the outputs of SG1 (report findings and guidelines) into in-country implementations and ITU-D Recommendations as appropriate, through

* Timely release of free reports in all UN languages as ITU publications by end June 2021.
* Develop and implement a communication plan to promote SG1 outputs and future work interest including webinars and joint actions with BDT, ITU and beyond.
* ITU-D Study Group Management and contributors to actively promote the SG1 outputs and lead by example by making use of them.
* Regional activities (a particular call for ladies in SGs management teams to be more involved in the initiative Network of Women (NOW) and in regional activities).
* A call for member driven activities (at regional and national level) to use SG1 output for ICT development within:
* Government;
* Academia;
* SMEs; and
* Industry.

# Conclusion

Study Group 1 has successfully carried out its mandate with quality contributions submitted through engaged and informed discussions, hard work, dedication, perseverance, flexibility/consensus, and expertise of all the parties concerned: the SG1 Management Team, Vice-Chairmen, 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 her staff, TDAG Chairman and Bureau, and the other sectors (ITU-T and ITU-R) the Group has fulfilled its mission.

Annex 1: Appointed Chairman, Vice-Chairmen, Rapporteurs and Vice-Rapporteurs of ITU-D Study Group 1 Questions for the 2018-2021 period

Chairman and vice-chairmen (also available at: <https://www.itu.int/net4/ITU-D/CDS/sg/chairmen.asp?lg=1&sp=2018>)

|  |  |
| --- | --- |
|  | **ITU-D STUDY GROUP 1** |
| **Chairman** | Ms Regina Fleur Assoumou BESSOU (Côte d’Ivoire) |
| **Vice-Chairmen** | Mr Peter Ngwan MBENGIE (Cameroon) |
| Mr Amah Vinyo CAPO (Togo) |
| Mr Roberto Mitsuake HIRAYAMA (Brazil) |
| Mr Víctor Antonio MARTÍNEZ SÁNCHEZ (Paraguay) |
| Mr Ahmed Abdel Aziz GAD (Egypt) |
| Ms Sameera Belal Momen MOHAMMAD (Kuwait) |
| Mr Yasuhiko KAWASUMI (Japan) |
| Mr Sangwon KO (Republic of Korea) |
| Mr Almaz TILENBAEV (Kyrgyzstan) |
| Ms Anastasia Sergeyevna KONUKHOVA (Russian Federation) |
| Mr Vadym KAPTUR (Ukraine) |
| Ms Amela ODOBASIC (Bosnia and Herzegovina) |
| Mr Krisztián STEFANICS (Hungary)*(Stepped down in October 2018)* |

List of (Co-)Rapporteurs and Vice-Rapporteurs (also available at:  [https://www.itu.int/net4/ITU-D/CDS/sg/rapporteurs.asp?lg=1&sp=2018)  
(](%20https://www.itu.int/net4/ITU-D/CDS/sg/rapporteurs.asp?lg=1&sp=2018)(Updated)on 26 March 2021)

| **ITU-D Question** | **Role** |  | **Firstname** | **Lastname** | **Country** | **Region** | **Organization** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Question 1/1** | **Co-Rapporteur** | Mr | Fred | Ongaro | Kenya | Africa | Administration |
| **Question 1/1** | **Co-Rapporteur** | Mr | Vadim | Kaptur | Ukraine | CIS countries | Administration |
|  | Vice-Rapporteur | Mr | Issoufi K. | Maiga | Mali | Africa | Administration |
|  | Vice-Rapporteur | Mr | Luc Servais | Missidimbazi | Congo | Africa | Administration |
|  | Vice-Rapporteur | Mr | Charles Zoë | Banga | Central African Rep. | Africa | Administration |
|  | Vice-Rapporteur | Mr | Abdoulaye | Ouedraogo | Burkina Faso | Africa | Administration |
|  | Vice-Rapporteur | Ms | Aminata Niang | Diagne | Senegal | Africa | Administration |
|  | Vice-Rapporteur | Mr | Jean Marie | Maignan | Haiti | Americas | Administration |
|  | Vice-Rapporteur | Mr | Turhan | Muluk | United States | Americas | Intel Corporation |
|  | Vice-Rapporteur | Mr | Mohamed Amine | Benziane | Algeria | Arab States | Administration |
|  | Vice-Rapporteur | Mr | Karma | Jamyang | Bhutan | Asia & Pacific | Administration |
| until 2019 | Vice-Rapporteur | Mr | Chunfei | Zhang | People’s Republic of China | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Ms | Qian | Zhang | People’s Republic of China | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Ümit Nevruz | Özdemir | Turkey | Europe | Türk Telekom |
|  | Vice-Rapporteur | Ms | Jane | Coffin |  | World/Multi-Regional | Internet Society (ISOC) |
|  | BDT Focal Point | Mr | Sylvester | Cadette | DDR/RO-AMS | Americas | ITU |
| until July 2021 | BDT Focal Point | Mr | Vladimir | Daigele | DNS/FNS | Headquarters | ITU |
|  | BDT Focal Point | Ms | Aminata | Amadou Garba | DNS/FNS | Headquarters | ITU |
|  | BDT Focal Point | Mr | Jean-Jacques | Massima | DDR/RO-AFR | Africa | ITU |
|  | BDT Focal Point | Mr | Farid | Nakhli | DDR/RO-CIS | CIS countries | ITU |
|  | BDT Focal Point | Mr | Jaroslaw | Ponder | DDR/EUR | Europe | ITU |
|  | BDT Focal Point | Mr | Aamir | Riaz | DDR/RO-ASP | Asia & Pacific | ITU |
|  | BDT Focal Point | Ms | Nancy | Sundberg | DKH/RME | Headquarters | ITU |
|  | BDT Focal Point | Ms | Chali | Tumelo | DDR/RO-AFR | Africa | ITU |
| **Question 2/1** | **Rapporteur** | Mr | Roberto Mitsuake | Hirayama | Brazil | Americas | Administration |
|  | Vice-Rapporteur | Mr | Siaka | Coulibaly | Mali | Africa | Administration |
|  | Vice-Rapporteur | Mr | Hassan | Issaka | Chad | Africa | Administration |
|  | Vice-Rapporteur | Ms | Laetitia Kilega Lega | Lubaga | Madagascar | Africa | Administration |
|  | Vice-Rapporteur | Mr | Jean Marie | Maignan | Haiti | Americas | Administration |
|  | Vice-Rapporteur | Ms | Jinane | Karam | Lebanon | Arab States | Administration |
|  | Vice-Rapporteur | Mr | Gang | Wu | People’s Republic of China | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Gülcihan | Kurnaz | Turkey | Europe | Türk Telekom |
|  | BDT Focal Point | Ms | Rouda | Alamir Ali | DDR/RO-ARB | Arab States | ITU |
| until July 2021 | BDT Focal Point | Mr | Istvan | Bozsoki | DNS/FNS | Headquarters | ITU |
|  | BDT Focal Point | Mr | Vladimir | Daigele | DNS/FNS | Headquarters | ITU |
|  | BDT Focal Point | Mr | Jean-Jacques | Massima | DDR/RO-AFR | Africa | ITU |
|  | BDT Focal Point | Mr | Farid | Nakhli | DDR/RO-CIS | CIS countries | ITU |
|  | BDT Focal Point | Mr | Jaroslaw | Ponder | DDR/EUR | Europe | ITU |
|  | BDT Focal Point | Mr | Aamir | Riaz | DDR/RO-ASP | Asia & Pacific | ITU |
| **Question 3/1** | **Rapporteur** | Mr | Nasser | Kettani | United States | Americas | Administration |
|  | Vice-Rapporteur | Mr | Charles Zoë | Banga | Central African Rep. | Africa | Administration |
|  | Vice-Rapporteur | Mr | Franklin | Makokha | Kenya | Africa | Administration |
|  | Vice-Rapporteur | Mr | Abdoulaye | Ouedraogo | Burkina Faso | Africa | Administration |
|  | Vice-Rapporteur | Mr | Ahmadou Dit | Adi Cisse | Mali | Africa | Administration |
|  | Vice-Rapporteur | Mr | Luc Servais | Missidimbazi | Congo | Africa | Administration |
|  | Vice-Rapporteur | Mr | Serigne Abdou | Lahatt Sylla | Senegal | Africa | Administration |
|  | Vice-Rapporteur | Mr | Henri Numbi | Ilunga | Democratic Republic of Congo | Africa | Administration |
| until August 2021 | Vice-Rapporteur | Mr | Christopher | Hemmerlein | United States | Americas | Administration |
|  | Vice-Rapporteur | Ms | Alicia | Tambe | United States | Americas | Administration |
|  | Vice-Rapporteur | Mr | Geraldo | Neto | United States | Americas | TMG, Inc. |
|  | Vice-Rapporteur | Mr | Darshan | Thapa | Bhutan | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Zhen | Zhang | People’s Republic of China | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Ram Babu | Jatav | India | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Arseny | Plossky | Russian Federation | CIS countries | Administration |
|  | Vice-Rapporteur | Ms | Beyhan Aygün | Akyüz | Turkey | Europe | Türk Telekom |
|  | BDT Focal Point | Ms | Rouda | Alamir Ali | DDR/RO-ARB | Arab States | ITU |
|  | BDT Focal Point | Ms | Ida | Jallow | DDR/RO-AFR | Africa | ITU |
|  | BDT Focal Point | Ms | Youlia | Lozanova | DKH/RME | Headquarters | ITU |
|  | BDT Focal Point | Mr | Farid | Nakhli | DDR/RO-CIS | CIS countries | ITU |
|  | BDT Focal Point | Mr | Jaroslaw | Ponder | DDR/EUR | Europe | ITU |
|  | BDT Focal Point | Mr | Ismail | Shah | DDR/RO-ASP | Asia & Pacific | ITU |
| **Question 4/1** | **Rapporteur** | Mr | Arseny | Plossky | Russian Federation | CIS countries | Administration |
|  | Vice-Rapporteur | Mr | Ibrahima | Kone | Mali | Africa | Administration |
|  | Vice-Rapporteur | Mr | Talent | Munyaradzi | Zimbabwe | Africa | Administration |
|  | Vice-Rapporteur | Ms | Nomen’anjara Gillucia | Rafalimanana | Madagascar | Africa | Administration |
|  | Vice-Rapporteur | Mr | Huguens | Previlon | Haiti | Americas | Administration |
|  | Vice-Rapporteur | Mr | Mohammed | AbdulKadhim Ali | Iraq | Arab States | Administration |
|  | Vice-Rapporteur | Mr | Haider Abd | Al Hassan Yahia | Iraq | Arab States | Administration |
|  | Vice-Rapporteur | Mr | Emanuele | Giovannetti | United Kingdom | Europe | Anglia Ruskin University |
| until 2019 | Vice-Rapporteur | Mr | Rafael | Gonzalez-Galarreta | Spain | Europe | Axon Partners Group Consulting |
|  | Vice-Rapporteur | Mr | Jorge | Martinez | Spain | Europe | Axon Partners Group Consulting |
|  | Vice-Rapporteur | Mr | Ugur | Kaydan | Turkey | Europe | Administration |
|  | Vice-Rapporteur | Ms | Gevher Nesibe | Tural Tok | Turkey | Europe | Türk Telekom |
|  | Vice-Rapporteur | Mr | Wesam M. | Sedik | Egypt | Arab States | Administration |
|  | BDT Focal Point | Mr | Mustafa | Al Mahdi | DDR/RO-ARB | Arab States | ITU |
|  | BDT Focal Point | Ms | Ida | Jallow | DDR/RO-AFR | Africa | ITU |
|  | BDT Focal Point | Mr | Farid | Nakhli | DDR/RO-CIS | CIS countries | ITU |
|  | BDT Focal Point | Mr | Ashish | Narayan | DDR/RO-ASP | Asia & Pacific | ITU |
|  | BDT Focal Point | Mr | Jaroslaw | Ponder | DDR/EUR | Europe | ITU |
|  | BDT Focal Point | Ms | Carmen | Prado-Wagner | DKH/RME | Headquarters | ITU |
|  | BDT Focal Point | Mr | Rodrigo | Robles | DDR/RO-AMS | Americas | ITU |
|  | BDT Focal Point | Ms | Anne Rita | Ssemboga | DDR/RO-AFR | Africa | ITU |
| **Question 5/1** | **Co-Rapporteur** | Ms | Caecilia | Nyamutswa | Zimbabwe | Africa | Administration |
| **Question 5/1** | **Co-Rapporteur** | Mr | Khalil | AlSobhi | Saudi Arabia | Arab States | Administration |
|  | Vice-Rapporteur | Mr | Cissé | Kane |  | Africa | African Civil Society |
|  | Vice-Rapporteur | Ms | Stella | Kipsaita | Kenya | Africa | Administration |
|  | Vice-Rapporteur | Ms | Justina Tumaini | Mashiba | Tanzania | Africa | Administration |
|  | Vice-Rapporteur | Mr | Oumar | Sidi Aly | Mali | Africa | Administration |
|  | Vice-Rapporteur | Mr | Babou | Sarr | Senegal | Africa | Administration |
|  | Vice-Rapporteur | Mr | Edva | Altemar | Haiti | Americas | Administration |
|  | Vice-Rapporteur | Mr | Turhan | Muluk | United States | Americas | Intel Corporation |
|  | Vice-Rapporteur | Mr | Yasuhiko | Kawasumi | Japan | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Ja Heung | Koo | Korea (Rep. of) | Asia & Pacific | Administration |
| until 2020 | Vice-Rapporteur | Mr | Karma | Tenzin | Bhutan | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Ms | Li | Zhang | People’s Republic of China | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Karma | Jamyang | Bhutan | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Ms | Hande | Bayrak | Turkey | Europe | Türk Telekom |
|  | BDT Focal Point | Mr | Mustafa | Al Mahdi | DDR/RO-ARB | Arab States | ITU |
|  | BDT Focal Point | Mr | Desire | Karyabwite | DNS/FNS | Headquarters | ITU |
|  | BDT Focal Point | Mr | Jean-Jacques | Massima | DDR/RO-AFR | Africa | ITU |
|  | BDT Focal Point | Mr | Jaroslaw | Ponder | DDR/EUR | Europe | ITU |
|  | BDT Focal Point | Mr | Ismail | Shah | DDR/RO-ASP | Asia & Pacific | ITU |
| **Question 6/1** | **Co-Rapporteur** | Ms | Elisa | Leonel | Brazil | Americas | Administration |
|  | **Co-Rapporteur** | Mr | Parmod | Kumar | India | Asia & Pacific | Administration |
| **March- August 2021** | **Co-Rapporteur** | Ms | Archana Goyal | Gulati | India | Asia & Pacific | Administration |
| **until 2020** | **Rapporteur** | Mr | Jinqiao | Chen | People’s Republic of China | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Issiaka | Alhabibou | Mali | Africa | Administration |
|  | Vice-Rapporteur | Ms | Caecilia | Nyamutswa | Zimbabwe | Africa | Administration |
|  | Vice-Rapporteur | Mr | Issouf | Soulama | Burkina Faso | Africa | Administration |
|  | Vice-Rapporteur | Mr | Edva | Altemar | Haiti | Americas | Administration |
|  | Vice-Rapporteur | Mr | Laith | Draghmeh | State of Palestine | Arab States | Administration |
|  | Vice-Rapporteur | Mr | Mehmet Alper | Tekin | Turkey | Europe | Administration |
|  | BDT Focal Point | Ms | Rouda | Alamir Ali | DDR/RO-ARB | Arab States | ITU |
|  | BDT Focal Point | Ms | Sofie | Maddens | DKH/RME | Headquarters | ITU |
|  | BDT Focal Point | Mr | Farid | Nakhli | DDR/RO-CIS | CIS countries | ITU |
|  | BDT Focal Point | Mr | Ashish | Narayan | DDR/RO-ASP | Asia & Pacific | ITU |
|  | BDT Focal Point | Mr | Jaroslaw | Ponder | DDR/EUR | Europe | ITU |
|  | BDT Focal Point | Mr | Bruno | Ramos | DDR/RO-AMS | Americas | ITU |
|  | BDT Focal Point | Ms | Anne Rita | Ssemboga | DDR/RO-AFR | Africa | ITU |
| **Question 7/1** | **Rapporteur** | Ms | Amela | Odobašić | Bosnia and Herzegovina | Europe | Administration |
| until 2020 | Vice-Rapporteur | Mr | Abdoulaye | Dembele | Mali | Africa | Administration |
|  | Vice-Rapporteur | Mr | Lamine Mahamadou | Diallo | Mali | Africa | Administration |
|  | Vice-Rapporteur | Mr | Godfrey | Muhatia | Kenya | Africa | Administration |
|  | Vice-Rapporteur | Mr | Issouf | Soulama | Burkina Faso | Africa | Administration |
|  | Vice-Rapporteur | Ms | Rachel Kalala | Kabedi | Democratic Republic of Congo | Africa | Administration |
|  | Vice-Rapporteur | Ms | Ileana Gama | Benítez | Mexico | Americas | Administration |
|  | Vice-Rapporteur | Ms | Andrea | Saks | United States | Americas | Administration |
|  | Vice-Rapporteur | Ms | Mina Seonmin | Jun | Korea (Rep. of) | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Ms | Maryam Tayefeh | Mahmoudi | Iran (Islamic Republic of) | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Mitsuji | Matsumoto | Japan | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Ms | Yinghua | Wu | People’s Republic of China | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Ms | Anastasia Sergeyevna | Konukhova | Russian Federation | CIS | Administration |
|  | Vice-Rapporteur | Mr | George Anthony | Giannoumis | Norway | Europe | Oslo and Akershus University College of Applied Sciences |
|  | BDT Focal Point | Mr | Karim | Abdelghani | DDR/RO-ARB | Arab States | ITU |
|  | BDT Focal Point | Mr | Sean | Doral | DDR/RO-ASP | Asia & Pacific | ITU |
|  | BDT Focal Point | Ms | Ida | Jallow | DDR/RO-AFR | Africa | ITU |
|  | BDT Focal Point | Mr | Farid | Nakhli | DDR/RO-CIS | CIS countries | ITU |
|  | BDT Focal Point | Mr | Jaroslaw | Ponder | DDR/EUR | Europe | ITU |
|  | BDT Focal Point | Ms | Ana | Veneroso | DDR/RO-AMS | Americas | ITU |
|  | BDT Focal Point | Ms | Roxana | Widmer-Iliescu | DNS/DGS | Headquarters | ITU |

**Annex 2: List of ITU-D Study Group coordinators on key topics of interest**

|  | Study Group 1 | Study Group 2 |
| --- | --- | --- |
| Preparation of topics for WTDC-21 | | |
| Working methods (WTDC-21 Res. 1) | Mr Arseny Plossky, Rapporteur for Q4/1, Russian Federation | Ms Alina Modan, Vice-Chairman, ITU-D SG2, Romania |
| Future study Questions (WTDC-21 Res. 2) | Mr Roberto Hirayama, Vice-Chairman, ITU-D SG1 & Rapporteur for Q2/1, Brazil | Mr Abdelaziz Alzarooni, Vice-Chairman, ITU-D SG2, United Arab Emirates |
| Synergies of future study Questions with regional preparatory processes | Mr Roberto Hirayama, Vice-Chairman, ITU-D SG1 & Rapporteur for Q2/1, Brazil | Ms Maria Bolshakova, Vice-Chairman, ITU-D SG2, Russian Federation |
| Streamlining of WTDC-21 Resolutions | Mr Arseny Plossky, Rapporteur for Q4/1, Russian Federation | |
| WTDC-21 draft declaration | Ms Sameera Belal Momen Mohammad, Vice-Chairman, ITU-D SG1, Kuwait | Ms Amel Khiar, Vice-Rapporteur for Q4/2, Algérie Télécom (Algeria) |
| Other key activities and topics for ITU-D Study Groups | | |
| Dashboard for monitoring Question progress | Mr Vadym Kaptur Vice-Chairman, Vice-Chairman, ITU-D SG1 & Rapporteur for Q1/1, Ukraine | Mr Abdulkarim Oloyede, Vice-Rapporteur for Q5/2, Nigeria (Federal Republic of) |
| Inter-sectoral mappings | Mr Arseny Plossky, Rapporteur for Q4/1, Russian Federation | Mr Haim Mazar, Co-Rapporteur for Q7/2, ATDI (France) |
| ITU-CCT (Vocabulary) | Mr Peter Mbengie, Vice-Chairman, ITU-D SG1, Cameroon | Ms Ke Wang, Vice-Chairman, ITU-D SG2, China (People’s Republic of) |
| Statistics (EGTI, EGH) | Ms Anastasia Konukhova, Vice-Chairman , ITU-D SG1 & Vice-Rapporteur for Q7/1, Russian Federation | Mr Roland Kudozia, Vice-Chairman, ITU-D SG2, Ghana |
| Synergies of study Questions with BDT projects | FIGI: Mr Ahmed Abdel Aziz Gad, Vice-Chairman, ITU-D SG1, Egypt (Arab Republic of) | FIGI: Mr Fadel Digham, Co-Rapporteur for Q1/2, Egypt (Arab Republic of) |
| PRIDA: Mr Haim Mazar, Co-Rapporteur for Q7/2, ATDI (France) | |
| WTDC Resolution 9 | Mr Roberto Hirayama, Vice-Chairman, ITU-D SG1 & Rapporteur for Q2/1, Brazil | Mr Fadel Digham, Co-Rapporteur for Q1/2, Egypt (Arab Republic of) |

**Annex 3: Regional Action Guideline for ITU-D SG Vice Chairs**

**Background**

At the Joint SG1 and SG2 Management e-meeting held on 4 August 2020, a question was raised on the procedure and methodology **how collaboration with study Questions with regional preparatory processes can be done in an effective manner**. It was decided in the same e-meeting that the SG Chairs and the SG Secretariat will prepare a guideline explaining what the expected procedure would be to address this topic.

At the SG1 management e-meeting held on 4 August 2020, the need for more guidance were raised as followed:

* from TDAG WG-RDTP (Working group on Resolutions, Declaration and Thematic Priorities) to be able to **progress on Future of Questions**
* from TDAG working group and ITU-D Secretariat on how vice chair for regions can work within the ambit of ITU-D SG rules **to activate regional engagement in ITU-D SG and, in return provide relevant ITU-D SG products to the countries in each region**.

**Expected Results**

1. Meaningful regional (and country level inputs) on Future of Questions, **submitted** through TDAG WG-RDTP (and eventually to WTDC), which
   1. are aligned with thematic clusters of BDT
   2. address specific regional priorities which mirror the needs of region and countries
   3. optimise the effectiveness and efficiency of ITU-D SG as a vehicle for ICT development through a practical approach including a reasonable number of questions focussed on the SG mandate and addressing current as well as emerging ICT developmental issues

influencing

1. Practical channels of collaboration at regional level **used** whereby ITU-D SGs is a relevant vehicle to further the work of BDT in ICT development for each regional and each country in the regions [synergies and enhanced working methods] through
   1. Identification of active contributors in SG Questions who provide contributions (in next study period) on pertinent actions happening in countries on the ICT development front, which help to enrich ITU-D SG case study library & lessons learnt compendium, develop SG Question annual deliverables, provide inputs for SG Question output reports, and participate in ITU-D SG workshops/webinars and beyond (other ITU events)
   2. Agile engagement of ITU-D SG management team members (can start now) with relevant experience and expertise in projects, workshops and other developmental actions
   3. Matching of ITU-D SG participants (can start now) who have solutions, experience and assistance to provide (as proposed in their contributions) to those who have such needs

**Guidelines**

1. ITU-D Study Group Secretariat can support by connecting Vice Chairs to ITU regional office through an **introductory emeeting or email** where more guidance on how to engage at regional group level can be discussed and agreed upon. Updates on RDFs, RPMs and ITU Regional actions can be also obtained (and a mechanism for regular updates agreed upon).
   1. A first meeting is needed soon for each region so that Vice chairs can work with Regional Office on TDAG WG-RDTP aspects to provide inputs to Dr Sharafat’s report to be submitted by November 2020. Coordinators from ITU-D Study Groups for TDAG WG-RDTP aspects are listed in the next table.

**Table 1 : Coordinators from ITU-D Study Groups for TDAG WG-RDTP**

|  |  |  |
| --- | --- | --- |
| Item | SG1 Coordinator | SG2 Coordinator |
| WTDC Res 9. | Mr Roberto Hirayama (Brazil, SG1 Vice-Chair, Q2/1 Rapporteur) | Mr Fadel Digham (Egypt, Q1/2 Co-Rapporteur) |
| Working Methods | Ms Regina Fleur Assoumou Bessou (Cote D’Ivoire, SG1 Chair) and Mr Arseny Plossky (Russian Federation, Q4/1 Rapporteur) | Ms Alina Modan (Romania, SG2 Vice-Chair) |
| Synergies of future study Questions with regional preparatory processes | Lead: Mr Roberto Hirayama (Brazil, SG1 Vice-Chair, Q2/1 Rapporteur)  Other SG1 Vice-Chairs to support for each region | Lead: Ms Maria Bolshakova (Russian Federation, SG2 Vice-Chair, Q3/2 Vice-Rapporteur)  Other SG2 Vice-Chairs to support for each region |
| Streamlining of WTDC Resolutions | Mr Arseny Plossky (Russian Federation, Q4/1 Rapporteur) | |
| Draft WTDC Declaration | Ms Sameera Belal Momen Mohammad (Kuwait, SG1 Vice-Chair) | Ms Amel Khiar (Algerie Telecom (Algeria), Q4/2 Vice-Rapporteur) |

1. Connect to and through the ITU Regional Office to identify where you can intervene on behalf of ITU-D SG and also as an ITU expert or as a country experience provider, in line with ITU Regional Office needs.
2. Convey the message **to get expected results listed in the previous section**, in relevant meetings of regional (and sub regional) groups, in Regional Development Forum (RDF) and in Regional Preparatory Meetings (RPM). More information on them is available in **Table 1 below**.
3. If you need to connect to Regional Groups you may wish to go **through the ITU Regional Office**, for better coordination.
4. **Attend** preparatory meetings of regional groups and **present/submit contributions** where possible sharing the value that can come from ITU-D SG engagement This is to be done in coordination with ITU Regional Office.
5. In agreement with ITU Regional office, be **a speaker/ active collaborator at yearly Regional Development Forum** to present ITU-D SG work (in general or on specific areas as requested) to share how ITU-D SG acts a vehicle for ICT development as explained in section 2 of expected results.
6. Attend the **Regional Preparatory Meeting and represent ITU-D SG** while aligning to possibilities provided by ITU Regional office. This may involve submission of a contribution.
7. **Bring your expertise** in relevant projects in the region, regional workshops, webinars and other ITU actions done by the regional office and request relevant contributions be submitted at ITU-D SG level by implementing countries/event hosts.
   1. For specific ITU-D SG Questions, BDT regional focal points are [listed here](https://www.itu.int/net4/ITU-D/CDS/sg/rapporteurs.asp?lg=1&sp=2018) can support where needed.
   2. For specific ITU projects, kindly liaise via ITU-D SG Secretariat for guidance to the relevant ITU regional colleague.
   3. For other items, the regional director is the first contact who can then delegate to other ITU regional office staff. ITU-D SG Secretariat may offer guidance as needed.
8. If you identify other (non ITU or non BDT) regional events that may be of interest to ITU-D SGs and to ITU Regional Office, connect to ITU-D Study Group Secretariat (and ITU Regional Office) to discuss on the possible involvement of ITU.
9. Connect to ITU-D Study Group Secretariat to share results of items 5-9 above for support on follow up.

**Table 2: Regional Groups Information (last updated on 01.11.2020)**

| **Region** | **Regional Group(s)** | **RDF and RPM**  **ITU Regional focal points (FP) and dates** | **ITU-D SG Vice Chairs** |
| --- | --- | --- | --- |
| **Africa** | ATU | RDF FP was [Ms Christine SUND](mailto:christine.sund@itu.int) & was held online 5-7 October 2020. RPM FP was [Mr Andrew RUGEGE](mailto:andrew.rugege@itu.int)& was held online on 29-30 March 2021. | [Mr Amah Vinyo CAPO](mailto:capo@artp.tg) (Togo)  [Mr Peter Ngwan MBENGIE](mailto:mbengie@yahoo.com) (Cameroon)  [Mr Roland Yaw KUDOZIA](mailto:roland.kudozia@nca.org.gh) (Ghana)  [Mr Henry Chukwudumeme NKEMADU](mailto:hcnkemadu@ncc.gov.ng) (Nigeria) |
| **Americas** | CITEL | RDF FP was [Mr Sergio SCARABINO](mailto:Sergio.Scarabino@itu.int) & was held online on 26 October 2020. RPM FP was [Mr Bruno RAMOS](mailto:bruno.ramos@itu.int)& was held online on 26-27 April 2021. | [Mr Roberto HIRAYAMA](mailto:hirayama@anatel.gov.br) (Brazil)  [Mr Víctor MARTÍNEZ](mailto:victormartinez@conatel.gov.py) (Paraguay)  [Ms Celina DELGADO](mailto:cdelgado@telcor.gob.ni) (Nicaragua) |
| **Arab** | LAS | RDF FP was [Mr Karim ABEDELGHANI](mailto:karim.abdelghani@itu.int) & was held on 25-26 November 2020. RPM FP was [Mr Adel DARWISH](mailto:adel.darwish@itu.int) & was held online on 7-8 April 2021. | [Ms Sameera BELAL MOMEN MOHAMMAD](mailto:s.belal@citra.gov.kw) (Kuwait)  [Mr Ahmed Abdel Aziz GAD](mailto:agad@tra.gov.eg) (Egypt)  [Mr Abdelaziz ALZAROONI](mailto:Abdelaziz.alzarooni@aecert.ae) (UAE)  [Ms Nora Abdalla Hassan BASHER](mailto:nora@tpra.gov.sd) (Sudan) |
| **Asia Pacific** | APT | RDF FP was [Mr Aamir Riaz](mailto:aamir.riaz@itu.int) and was held online on 2-5 November 2020. RPM FP was [Ms Atusko OKUDA](mailto:atsuko.okuda@itu.int) & was held online on 9-10 March 2021. | [Mr Yasuhiko KAWASUMI](mailto:kawasumi-yasuhiko@s3.dion.ne.jp) (Japan)  [Mr Sangwon KO](mailto:sangwon@kisdi.re.kr) (Rep. of Korea)  [Mr Ananda Raj KHANAL](mailto:arkhanal@nta.gov.np) (Rep. of Nepal)  [Ms Ke WANG](mailto:wangke@caict.ac.cn) (China) |
| **CIS** | RCC | FP was [Ms Natalia MOCHU](mailto:natalia.mochu@itu.int). RDF was held online on 14-15 December 2020 and RPM was held online on 21-22 April 2021. | [Ms Anastasia Sergeyevna KONUKHOVA](mailto:konukhova@niir.ru) (Russian Federation)  [Mr Almaz TILENBAEV](mailto:almaz.tilenbaev@gmail.com) (Kyrgyzstan)  [Ms Maria BOLSHAKOVA](mailto:mrbolshakova@gmail.com) (Russian Federation)  [Mr Tolibjon Oltinovich MIRZAKULOV](mailto:t.mirzakulov@mitc.uz) (Uzbekistan) |
| **Europe** | COM-ITU CEPT | FP was [Mr Jaroslaw PONDER](mailto:jaroslaw.ponder@itu.int) for RDF and RPM. RDF was held online 26 May 2020 and RPM was held online on 18-19 January 2021. | [Mr Vadim KAPTUR](mailto:vadim.kaptur@onat.edu.ua) (Ukraine)  [Ms Amela ODOBAŠIC](mailto:aodobasic@rak.ba) (Bosnia and Herzegovina)  [Ms Alina MODAN](mailto:alina.modan@ancom.org.ro) (Romania)  [Mr Dominique WÜRGES](mailto:dominique.wurges@orange.com) (France) |

The focal points for RPMs are always the regional directors. The dates for RPMs will be posted on the [Regional Consultation page](https://www.itu.int/en/ITU-D/Conferences/WTDC/WTDC21/Pages/Regional-Consultations.aspx) of the WTDC-21 website.

**Annex 4: Work plan of ITU-D Study Group 1 (with update done in October 2021)**

Calendar

Description automatically generated

**Annex 4: Work plan of ITU-D Study Group 1 (with update done in October 2021) continued**

Timeline

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**Annex 5: ITU-D Study Group1, Rapporteur Group, and Expert Group meetings and associated workshops and webinars (2018-2021)**

The list can be found online at

| **Study Group/ Rapporteur Group Meeting** | **Date and location** |
| --- | --- |
| **Study Group 1 Meetings** |  |
| [Fourth meeting of ITU-D Study Group 1](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=26283) | 22 to 26 March 2021, Fully Virtual E-Meeting |
| [Third meeting of ITU-D Study Group 1](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=24909) | 17 to 21 February 2020, Switzerland [Geneva] |
| [Second meeting of ITU-D Study Group 1](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=21832) | 18 to 22 March 2019, Switzerland [Geneva] |
| [First meeting of ITU-D Study Group 1](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=20348) | 30 April 2018 to 4 May 2018, Switzerland [Geneva] |
| **Rapporteur Group Meetings** |  |
| [Plenary and Rapporteur Group e-meetings](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&stg=1&sp=2018&blk=27665) | 11- 15 October 2021, Fully Virtual E-Meeting |
| [Plenary and Rapporteur Group e-meetings](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=24968) | 21 September - 2 October 2020, Fully Virtual E-Meeting |
| [Rapporteur Group e-meetings](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=21834) | 23 September - 4 October 2019, Switzerland [Geneva] |
| [Rapporteur Group e-meetings](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=20350) | 17 - 28 September 2018, Switzerland [Geneva] |
| **Informal eMeetings** |  |
| [Informal ITU-D Study Group 1 Rapporteur Group meetings](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=26281) | 1-5 March 2021, Fully Virtual E-Meeting |
| **Joint eMeetings** |  |
| [Joint ITU-D Study Groups 1 and 2 Plenary Meeting](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=26278) | 31 March - 1 April 2021, Fully Virtual E-Meeting |

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/2018-2021/Pages/meetings/events_workshops.aspx>

**Annex 6: Revised Terms of References of Questions submitted to TDAG November 2021 meeting for consideration**

|  |  |
| --- | --- |
| **Question** | **Revised text approved at SG1 Meeting** |
| Q1/1 | [SG1RGQ/420](https://www.itu.int/md/D18-SG01.RGQ-C-0420/en) (Rev.1) |
| Q2/1 | [SG1RGQ/421](https://www.itu.int/md/D18-SG01.RGQ-C-0421/en) (Rev.1) |
| Q3/1 | [SG1RGQ/422](https://www.itu.int/md/D18-SG01.RGQ-C-0422/en) (Rev.1) |
| Q4/1 | [SG1RGQ/423](https://www.itu.int/md/D18-SG01.RGQ-C-0423/en) (Rev.1 |
| Q5/1 | [SG1RGQ/424](https://www.itu.int/md/D18-SG01.RGQ-C-0424/en) (Rev.1) |
| Q6/1 | [SG1RGQ/425](https://www.itu.int/md/D18-SG01.RGQ-C-0425/en) (Rev.1) |
| Q7/1 | [SG1RGQ/426](https://www.itu.int/md/D18-SG01.RGQ-C-0426/en) (Rev.1) (same as [TDAG-21/32](https://www.itu.int/md/D18-TDAG28-C-0032/en)) |

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1. <https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/Publications.aspx> [↑](#footnote-ref-1)
2. <https://www.youtube.com/playlist?list=PLpoIPNlF8P2PTdyZ2pMP18ylsq6Kr-kfb> [↑](#footnote-ref-2)
3. For Question2/1, Question 3/1, 2 for Question 4/1, Question 6/1, Question 7/1 [↑](#footnote-ref-3)
4. One for Question 3/1 and one joint SG1&SG2 in 2020, several speakers in WSIS 2021 [↑](#footnote-ref-4)
5. 4 cross cutting Questions, 2 each for Question 1/1 & for Question 2/1, 2 joint ones for Questions 3/1&4/1, 1 for Question 4/1, 2 for Question 5/1, 2 for Question 7/1 [↑](#footnote-ref-5)
6. See list at <https://www.itu.int/en/myitu/Publications/2020/09/09/13/13/ITU-News-Magazine-No3-2020> [↑](#footnote-ref-6)
7. See <https://www.itu.int/en/myitu/Publications/2020/09/09/13/13/ITU-News-Magazine-No3-2020> [↑](#footnote-ref-7)
8. <https://www.itu.int/en/ITU-D/Conferences/GSR/2021/Pages/default.aspx> [↑](#footnote-ref-8)
9. Stepped down in October 2018 [↑](#footnote-ref-9)
10. RED Africa 2020 <https://www.itu.int/en/ITU-D/Regulatory-Market/Pages/Events2020/RED-AFR-2020.aspx> and ITU Colloquium Americas https://www.itu.int/en/ITU-D/Regulatory-Market/Pages/Events2020/RED-AFR-2020.aspx [↑](#footnote-ref-10)
11. See RDF Africa https://www.itu.int/en/ITU-D/Regional-Presence/Africa/Pages/EVENTS/2020/RDF.aspx [↑](#footnote-ref-11)
12. See Africa RPM NOW event <https://www.itu.int/en/ITU-D/Conferences/WTDC/WTDC21/NoW/Pages/Events/Regional/Africa/2021_03.aspx> and RPM Europe https://www.itu.int/en/ITU-D/Conferences/WTDC/WTDC21/Pages/RPM-EUR.aspx [↑](#footnote-ref-12)
13. See Connect to Include https://www.itu.int/en/ITU-D/Conferences/WTDC/WTDC21/R2A/Pages/Connect2Include.aspx [↑](#footnote-ref-13)
14. Joint (ITU-T, ITU-R and ITU-D events held for Americas, Europe and Asia & the Pacific [↑](#footnote-ref-14)
15. See acknowledgements https://www.itu.int/dms\_pub/itu-d/opb/tnd/D-TND-01-2020-PDF-E.pdf [↑](#footnote-ref-15)
16. https://academy.itu.int/training-courses/full-catalogue/introduction-service-quality-regulation [↑](#footnote-ref-16)
17. <https://www.itu.int/md/D18-SG01-C-0002> [↑](#footnote-ref-17)
18. See RPM-EUR chairman report at <https://www.itu.int/md/D18-RPMEUR-C-0034/> [↑](#footnote-ref-18)
19. Details of workshops & other events are on web page <https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/events_workshops.aspx> [↑](#footnote-ref-19)
20. See Reflections on COVID-19 series at <https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/covid19/webinars/1stSeries.aspx> [↑](#footnote-ref-20)
21. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=20348> [↑](#footnote-ref-21)
22. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=21832> [↑](#footnote-ref-22)
23. See <https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/OngoingWork.aspx> [↑](#footnote-ref-23)
24. See meeting webpage https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=24909 [↑](#footnote-ref-24)
25. See <https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/OngoingWork.aspx> [↑](#footnote-ref-25)
26. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=24968> [↑](#footnote-ref-26)
27. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=26283> [↑](#footnote-ref-27)
28. See all approved reports as latest revisions (Rev) at <https://www.itu.int/md/meetingdoc.asp?lang=en&parent=D18-SG01-210322-C&question=OR> [↑](#footnote-ref-28)
29. See <https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/OngoingWork.aspx> [↑](#footnote-ref-29)
30. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&stg=1&sp=2018&blk=27665> [↑](#footnote-ref-30)
31. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=26278> [↑](#footnote-ref-31)
32. <https://www.itu.int/en/general-secretariat/ties/ISCGDocumentLibrary/Liaisons%20Statements%20on%20Inter-Sectoral%20Coordination%20Activities/Table%201.pdf> and <https://www.itu.int/en/general-secretariat/ties/ISCGDocumentLibrary/Liaisons%20Statements%20on%20Inter-Sectoral%20Coordination%20Activities/Table%203.pdf> [↑](#footnote-ref-32)
33. ITU-CCT meetings (period 2018-2021): [R15-CCV/47](https://www.itu.int/md/R15-CCV-C-0047) (1 June 2018), [R15-CCV/49](https://www.itu.int/md/R15-CCV-C-0049) (22 Nov. 2018), [R15-CCV/49](https://www.itu.int/md/R15-CCV-C-0049) (22 Nov. 2018), [R15-CCV/59](https://www.itu.int/md/R15-CCV-C-0059) (17 June 2019), [R19-CCV/3](https://www.itu.int/md/R19-CCV-C-0003) (3 June 2020), [R19-CCV/11](https://www.itu.int/md/R19-CCV-C-0011) (7 Dec. 2020), [R19-CCV/14](https://www.itu.int/md/R19-CCV-C-0014) (7 April 2021), [R19-CCV/20](https://www.itu.int/md/R19-CCV-C-0020) (23 June 2021), [R19-CCV/21](https://www.itu.int/md/R19-CCV-C-0021) (8 September 2021). [↑](#footnote-ref-33)
34. Liaison statements are [1/273](https://www.itu.int/md/D18-SG01-C-0273/) , [1/274](https://www.itu.int/md/D18-SG01-C-0274/) , [[1/407](https://www.itu.int/md/D18-SG01-c-0407/)](http://www.itu.int/md/D18-SG01.RGQ-C-0331/) [↑](#footnote-ref-34)
35. More information about FIGI is available in <https://www.itu.int/net4/ITU-D/CDS/projects/display.asp?ProjectNo=9GLO17088>. [↑](#footnote-ref-35)
36. More information about PRIDA is available in <https://www.itu.int/en/ITU-D/Projects/ITU-EC-ACP/PRIDA/Pages/default.aspx>. [↑](#footnote-ref-36)