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| Chairman, ITU-D Study Group 1 |
| ITU-D Study Group 1 activities for the seventh study period between WTDC-17 and WTDC-21 |
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| **Summary:**This report summarizes the activities carried out by Study Group 1 for the seventh study period.**Action required:**TDAG is invited to take note 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), [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) |

# 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 output reports
* 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
* 3 annual Rapporteur Group Question (RGQ) level meetings from 2018 to 2020
* Video interviews by 6 (co-)authors of annual deliverables
* 6 Webinars[[1]](#footnote-1) in the 2020 “Reflections on COVID-19” series
* 2 WSIS 2020 sessions[[2]](#footnote-2)
* 15 workshops[[3]](#footnote-3)
* 8 ITU News blogs[[4]](#footnote-4) which also featured in ITU News Magazine[[5]](#footnote-5)
* 127 Incoming liaison statements (SG1 and Rapporteur Group Question level)
* 74 Outgoing liaison statements (SG1 and RGQ level)
* 511 unique contributions from Membership excluding BDT contributions (table 2)
* 1177 cumulative total documents considered in 7 meetings of SG1 and RGQ (table 3)
* 163 participants at most for a SG1 plenary level meeting (second meeting in 2019)
* 40% female participation at most for a SG1 plenary level meeting (fourth meeting in 2021)
* 182 participants at most for Rapporteur Group Question level meeting (third meeting in 2020)
* 35% female participation at most for Rapporteur Group Question level meeting (third meeting in 2020)
* SG1 Management team contributed in ITU work including:
	+ 6 Regional Economic Dialogues (REDs)
	+ 3 Regional Development Forum (RDFs)
	+ 3 Regional Preparatory Meetings (RPMs)
	+ 2 Inter Regional Meetings (IRMs)
	+ 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 Telecommunications 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 cycle (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)
* Mr Vadym Kaptur (Ukraine) (EUR)
* Ms Amela Odobasic (Bosnia and Herzegovina) (EUR)
* Mr Krisztián Stefanics[[6]](#footnote-6) (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)
* 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 REDs[[7]](#footnote-7), RDFs[[8]](#footnote-8), RPMs (including NoW)[[9]](#footnote-9), Road to Addis[[10]](#footnote-10) and contributed as experts to the elaboration of ITU products such as the Last Mile Connectivity Toolkit[[11]](#footnote-11), the Digital Regulatory handbook and online platform and the QoS ITU online training , 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%3A%5CUsers%5CAWOTAR%5CAppData%5CRoaming%5CMicrosoft%5CWord%5C~%242E_V2_Plenary%20SG1%20report.docx)[[12]](#footnote-12).

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**



A total of 131 delegates participated in at least one Study Group 1 meeting (**Table 1**). Annual SG1 meetings on average are attended by 142 participants from 64 countries whilst annual RGQ meetings are attended on average by 136 participants from 59 countries. Member States account for 72% participation whilst academia accounts for 3%. On average a meeting has 34% of female participation.

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



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**



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**

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Study Group 1 received (in study group and rapporteur groups) a total of 511 unique contributions from membership with a regional distribution as indicated by the pie chart above (**Figure 3**). Africa, by 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 | 5 | 105 |
| Q2/1 | 8 | 33 | 8 | 2 | 51 |
| Q3/1 | 18 | 24 | 20 | 2 | 64 |
| Q4/1 | 8 | 24 | 4 | 1 | 37 |
| Q5/1 | 23 | 49 | 37 | 5 | 114 |
| Q6/1 | 17 | 42 | 20 | 2 | 81 |
| Q7/1 | 23 | 42 | 27 | 7 | 99 |
| Yearly Total Cumulative  | 132 | 251 | 144 | 24 | 551 |
| Contributions for all Questions (not accounted above) | +19 |
| Contributions that were for more than 1 Question but not for all (accounted above) | - 59 |
| Total Unique Contributions | **511** |

**\*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 (114) 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 | N/A |
| Incoming Liaison Statements for RGQ Meeting | 14 | 25 | 16 | N/A |
| Outgoing Liaison Statements from RGQ Meeting | 21 | 15 | 10 | N/A |
| Total documents for RGQ Meeting (includes ITU contributions, meeting and progress reports) | 160 | 185 | 183 | N/A |

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 are 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[[13]](#footnote-13) 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 have to 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 course of the study period, Study Group 1 met four times: between February and May of each year (2018 to 2021).

Workshops[[14]](#footnote-14) and Webinars[[15]](#footnote-15) 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 meeting[[16]](#footnote-16)** 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 meeting[[17]](#footnote-17)** 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
* Noted the progress made on ITU-D SG1 study Question deliverables and reports
* Agreement to release of the first ITU-D SG1 annual deliverable [[18]](#footnote-18)related to the work of ITU-D SG1 Question 2/1 on “Trends in new broadcasting technologies, services and applications”
* Noted 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 Rapporteur Group meetings on the “Economic impact of OTT 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 meeting[[19]](#footnote-19)** 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:
* Draft Question output reports shared for all seven SG1 Questions
* Agreement to release three ITU-D SG1 annual deliverables[[20]](#footnote-20) under the auspices of the Chairman of Study Group 1 to inform the public of the work 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”
* Noting 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
* 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 group chairs to TDAG for the BDT Director to consider
* Noted initial approaches and ideas shared on future topics of study.
* Noted 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.
* 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”, was endorsed. The workshop would also serve to finalize the draft Question 6/1 annual deliverable.
* 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. **The fourth meeting[[21]](#footnote-21)** was held in fully virtual format online 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 on 24th September 2020, prior the start of the first fully virtual set of RGQ meetings of 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 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 fourth SG1 meeting reviewed and discussed the 61 contributions received and was attended by 170 participants representing 63 countries. Decisions made included:

* Approved seven reports[[22]](#footnote-22) containing the outputs called for by WTDC-21 for all SG1 Questions and one Guideline for Question 4/1
* Approved the change in Management for Question 6/1 with the appointment of co-Rapporteurs are Ms Leonel (Brazil) and Ms Gulati (India)
* Agreed to a joint liaison statement of SG1 & SG2 to EaPeReg
* Noted all the seven Questions submitted a contribution on draft updated terms of reference for their Questions for consideration by TDAG and by Membership
* Noted the release of the annual deliverable[[23]](#footnote-23) of Q6/1 on *‘Unsolicited Commercial Communications’* in February 2021 together with an ITU News blog and interview of authors. At SG1 Plenary on 24th September 2020, this paper was preapproved for release and was further enriched with contributions received in the ensuing RGQ6/1 meetings in 2020.
* Agreed to 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/>.

**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 the 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[[24]](#footnote-24)** 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:

* Noted (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)
* Noted 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 cycle survey and introduces participants to Results Based Management (RBM) initiative recently started for study groups and requests TDAG to further inform Membership 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
* Noted (document [1/473](https://www.itu.int/md/D18-SG01-C-0473)) the current status on streamlining of WTDC Resolutions
* Noted (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

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

The approved report of the Rapporteur Group meeting held on 25th March 2021 for Question 1/1 can be found in [1/REP/25](https://www.itu.int/md/D18-SG01-R-0025/)(Rev.1) and also captures discussions of the informal meeting held on 1st March 2021. The Output Report available in document [1/414](https://www.itu.int/md/D18-SG01-C-0414/en)(Rev.3), includes the modifications requested during the Rapporteur Group meeting. The document was agreed and approved at the SG1 fourth meeting of 26th March 2021. Document [1/454](https://www.itu.int/md/D18-SG01-C-0454/en) which provides insights into Q1/1 future terms of reference for further use by TDAG and Membership as part of WTDC-21 preparation.

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

The approved report of Rapporteur Group meeting held on 23rd March 2021 for Question 2/1 can be found in [1/REP/26](https://www.itu.int/md/D18-SG01-R-0026/)(Rev.1) and it also captures discussions of the informal meeting held on 2nd March 2021. The Output Report available in document [1/415](https://www.itu.int/md/D18-SG01-C-0415/en)(Rev.2) includes the modifications requested during the Rapporteur Group meeting. The document was agreed and approved at the SG1 fourth meeting of 26th March 2021. Document [1/460](https://www.itu.int/md/D18-SG01-C-0460/en) which provides insights into Q2/1 future terms of reference for further use by TDAG and Membership as part of WTDC-21 preparation.

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

The approved report of Rapporteur Group meeting held on 23rd March 2021 for Question 3/1 can be found in [1/REP/27](https://www.itu.int/md/D18-SG01-R-0027/)(Rev.1) and it also captures discussions of the informal meeting held on 2nd March 2021. The Output Report available in document [1/416](https://www.itu.int/md/D18-SG01-C-0416/en)(Rev.1) includes the modifications requested during the Rapporteur Group meeting, were agreed and approved at the SG1 fourth meeting of 26th March 2021. Document [1/468](https://www.itu.int/md/D18-SG01-C-0468/en) which provides insights into Q3/1 future terms of reference for further use by TDAG and Membership as part of WTDC-21 preparation.

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

The approved report of Rapporteur Group meeting held on 24th March 2021 for Question 4/1 can be found in [1/REP/28](https://www.itu.int/md/D18-SG01-R-0028/)(Rev.1) and it also captures discussions of the informal meeting held on 1st March 2021. The Output Report available in document [1/417](https://www.itu.int/md/D18-SG01-C-0417/en)(Rev.1) and the cost modelling Guidelines document [1/422](https://www.itu.int/md/D18-SG01-C-0417/en) include (where relevant) the modifications requested during the Rapporteur Group meeting. The documents were agreed and approved at the SG1 fourth meeting of 26th March 2021. Document [1/444](https://www.itu.int/md/D18-SG01-C-0444/en) which provides insights into Q4/1 future terms of reference for further use by TDAG and Membership as part of WTDC-21 preparation.

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

The approved report of Rapporteur Group meeting held on 24th March 2021 for Question 5/1 can be found in [1/REP/29](https://www.itu.int/md/D18-SG01-R-0029/)(Rev.1) and it also captures discussions of the informal meeting held on 3rd March 2021. The Output Report available in document [1/418](https://www.itu.int/md/D18-SG01-C-0418/en)(Rev.4) includes the modifications requested during the Rapporteur Group meeting, were agreed and approved at the SG1 fourth meeting of 26th March 2021. Document [1/435](https://www.itu.int/md/D18-SG01-C-0435/en) which provides insights into future terms of reference for Q5/1 for further use by TDAG and Membership as part of WTDC-21 preparation.

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

The approved report of Rapporteur Group meeting held on 25th March 2021 for Question 6/1 can be found in [1/REP/30](https://www.itu.int/md/D18-SG01-R-0030/)(Rev.1) and it also captures discussions of the informal meeting held on 4th March 2021. The Output Report available in document [1/419](https://www.itu.int/md/D18-SG01-C-0419/en)(Rev.1) includes the modifications requested during the Rapporteur Group meeting, were agreed and approved at the SG1 fourth meeting of 26th March 2021. Document [1/467](https://www.itu.int/md/D18-SG01-C-0467/en) which provides insights into future terms of reference for Q6/1 for further use by TDAG and Membership as part of WTDC-21 preparation.

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

The approved report of Rapporteur Group meeting held on 22nd March 2021 for Question 7/1 can be found in [1/REP/31](https://www.itu.int/md/D18-SG01-R-0031/)(Rev.1) and it also captures discussions of the informal meeting held on 4th March 2021. The Output Report available in document [1/420](https://www.itu.int/md/D18-SG01-C-0420/en)(Rev.2) includes the modifications requested during the Rapporteur Group meeting, were agreed and approved at the SG1 fourth meeting of 26th March 2021. Document [1/445](https://www.itu.int/md/D18-SG01-C-0445/en) which provides insights into future terms of reference for Q7/1 for further use by TDAG and Membership as part of WTDC-21 preparation.

*The 7 approved output reports as well as the approved Q4/1 Cost Modelling Guidelines will now undergo a final formatting into ITU publications in all official languages of UN. It was agreed at the SG1 closing plenary of the fourth meeting that the Secretariat and BDT be delegated the authority to improve the look and feel of the approved final output reports and guidelines as they are formatted into ITU publications. The SG1 management team will be given a pre-launch copy of each report as they become available.*

# Collaboration with other groups

* 1. **Inter-Sectoral mapping**

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, 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, Rapporteur for Q4/1 (Russian Federation) who hard work in this area is commended.

* 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, Vice-Chairman SG1 (Brazil) and Mr Fadel Digham, Co-Rapporteur for Question1/2 (Egypt). 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 SG1 meeting of 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.

* 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 six times[[25]](#footnote-25). The meeting 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 and 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 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[[26]](#footnote-26) 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 between 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.

* 1. **Synergies with BDT projects**

With the aim to strengthen synergies between the study groups and BDT project, SG coordinators were appointed for two projects on an exploratory basis since September 2020. These are :

* FIGI (Financial Inclusion Global Initiative)[[27]](#footnote-27), which aims at leveraging ICTs for financial services to achieve digital financial inclusion where 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)[[28]](#footnote-28), which aims to build capacity to foster universally accessible and affordable broadband across the African continent to unlock future benefits of Internet-based services where 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.

# 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 rapporteur group meetings of ITU-D Study Groups 1 and 2. The final version of the questionnaire was issued as an online survey to ITU-D Membership (see [ITU-D Circular Letter 11](https://www.itu.int/md/D18-CA-CIR-0011/en)) on 18th December 2020 with 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 as annex the survey report and a shorter presentation of the key findings, for transmitted to the next WTDC, as needed.



Some findings to consider

* 68 responses were received (37 responses in previous survey)
* Developing countries had the highest % 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, more 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 future of Questions and on working methods of study groups.

# The “3Is” Vision for Study Group1

Innovative aspects tried in the 2018-2021 study cycle 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
* 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
* What’s app 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 others 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 be from informal to formal ones, from those with 2 persons 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 secretariats
* Revisiting the role of Vice Chair roles for regions with 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, accent understanding issues.
* Access to raw text of captioned meeting and public chats shared online during meeting which bring further clarity, transparency and facilitates crosschecking of information for report writing
* Fully virtual RGQ and Plenaries
* Results Based Management (RBM) which is a work in progress by the secretariat and they will share more in the next cycle. RBM brings in 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
* 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 output and be the role models by making use of them and inform us all
* 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
* Industry

# Conclusion

Study Group 1 has successfully carried out its mandate with quality contributions submitted through passionate discussions, hard work, dedication, perseverance, flexibility/consensus, and expertise of all the parties concerned: the SG1 Management Team, Vice-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 his 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)
(Updated](%20https%3A//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 |
|  | 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 |
|  | 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 |
|  | BDT Focal Point | Mr | Istvan | Bozsoki | DNS/FNS | Headquarters | ITU |
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|  | BDT Focal Point | Mr | Farid | Nakhli | DDR/RO-CIS | CIS countries | ITU |
|  | BDT Focal Point  | Mr  | Jaroslaw | Ponder | DDR/EUR | Europe | ITU |
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| **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 |
|  | Vice-Rapporteur | Mr | Christopher  | Hemmerlein | 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 |
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|  | 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 |
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|  | 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 |
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|  | 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 |
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|  | Vice-Rapporteur | Ms | Li | Zhang  | People’s Republic of China | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Karma  | Jamyang | Bhutan | Asia & Pacific | Administration |
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|  | 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 |
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| **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 cycle) 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 26.08.2020)**

| **Region** | **Regional Group(s)**  | **RDF and RPM** **ITU Regional focal points (FP) and dates**  | **ITU-D SG Vice Chairs**  |
| --- | --- | --- | --- |
| **Africa** | ATU | RDF FP is Ms Christine SUND & held online 5-7 Oct 2020 RPM FP is Mr Andrew RUGEGE& date to be decided  | Mr Amah Vinyo CAPO (Togo)Mr Peter Ngwan MBENGIE (Cameroon)Mr Roland Yaw KUDOZIA (Ghana)Mr Henry Chukwudumeme NKEMADU (Nigeria) |
| **Americas** | CITEL | RDF FP is Mr Sergio SCARABINO & held online 26 Oct 2020 RPM FP is Mr Bruno RAMOS& date to be decided  | Mr Roberto HIRAYAMA (Brazil)Mr Víctor MARTÍNEZ (Paraguay)Ms Celina DELGADO (Nicaragua) |
| **Arab** | LAS | RDF FP & date are to be decidedRPM FP is Mr Adel DARWISH & date to be decided  | Ms Sameera BELAL MOMEN MOHAMMAD (Kuwait)Mr Ahmed Abdel Aziz GAD (Egypt)Mr Abdelaziz ALZAROONI (UAE)Ms Nora Abdalla Hassan BASHER (Sudan) |
| **Asia Pacific** | APT | RDF FP is to be decided & held online 2-5 November 2020 RPM FP is Ms Atusko OKUDA & date planned for early March 2020 | Mr Yasuhiko KAWASUMI (Japan)Mr Sangwon KO (Rep. of Korea) Mr Ananda Raj KHANAL (Rep. of Nepal)Ms Ke WANG (China) |
| **CIS** | RCC | RDF FP & date are to be decidedRPM FP is Ms Natalia MOCHU & date to be decided  | Ms Anastasia Sergeyevna KONUKHOVA (Russian Federation)Mr Almaz TILENBAEV (Kyrgyzstan)Ms Maria BOLSHAKOVA (Russian Federation)Mr Tolibjon Oltinovich MIRZAKULOV (Uzbekistan) |
| **Europe**  | COM-ITU CEPT | FP is Mr Jaroslaw PONDER for RDF and RPMRDF was held online 26 May 2020RPM held on 18-19 January 2021 (Prague, Czech Rep) | Mr Vadim KAPTUR (Ukraine)Ms Amela ODOBAŠIC (Bosnia and Herzegovina)Ms Alina MODAN (Romania)Mr Dominique WÜRGES (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**



**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&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>

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1. For Question2/1, Question 3/1, 2 for Question 4/1, Question 6/1, Question 7/1 [↑](#footnote-ref-1)
2. One for Question 3/1 and one joint SG1&SG2 [↑](#footnote-ref-2)
3. 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-3)
4. See list at <https://www.itu.int/en/myitu/Publications/2020/09/09/13/13/ITU-News-Magazine-No3-2020> [↑](#footnote-ref-4)
5. See <https://www.itu.int/en/myitu/Publications/2020/09/09/13/13/ITU-News-Magazine-No3-2020> [↑](#footnote-ref-5)
6. Stepped down in October 2018 [↑](#footnote-ref-6)
7. 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-7)
8. See RDF Africa <https://www.itu.int/en/ITU-D/Regional-Presence/Africa/Pages/EVENTS/2020/RDF.aspx> [↑](#footnote-ref-8)
9. 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-9)
10. See Connect to Include <https://www.itu.int/en/ITU-D/Conferences/WTDC/WTDC21/R2A/Pages/Connect2Include.aspx> [↑](#footnote-ref-10)
11. See acknowledgements <https://www.itu.int/dms_pub/itu-d/opb/tnd/D-TND-01-2020-PDF-E.pdf> [↑](#footnote-ref-11)
12. <https://www.itu.int/md/D18-SG01-C-0002> [↑](#footnote-ref-12)
13. See RPM-EUR chairman report at <https://www.itu.int/md/D18-RPMEUR-C-0034/> [↑](#footnote-ref-13)
14. 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-14)
15. See Reflections on COVID-19 series at [https://www.itu.int/en/ITU-D/Study- Groups/2018-2021/Pages/covid19/webinars/1stSeries.aspx](https://www.itu.int/en/ITU-D/Study-%20Groups/2018-2021/Pages/covid19/webinars/1stSeries.aspx) [↑](#footnote-ref-15)
16. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=20348> [↑](#footnote-ref-16)
17. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=21832> [↑](#footnote-ref-17)
18. See <https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/OngoingWork.aspx> [↑](#footnote-ref-18)
19. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=24909> [↑](#footnote-ref-19)
20. See <https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/OngoingWork.aspx> [↑](#footnote-ref-20)
21. See meeting webpage <https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=26283> [↑](#footnote-ref-21)
22. 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-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=26278> [↑](#footnote-ref-24)
25. 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). [↑](#footnote-ref-25)
26. 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-26)
27. More information about FIGI is available in <https://www.itu.int/net4/ITU-D/CDS/projects/display.asp?ProjectNo=9GLO17088>. [↑](#footnote-ref-27)
28. More information about PRIDA is available in <https://www.itu.int/en/ITU-D/Projects/ITU-EC-ACP/PRIDA/Pages/default.aspx>. [↑](#footnote-ref-28)