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| **Telecommunication DevelopmentAdvisory Group (TDAG)****30th Meeting, Geneva, Switzerland, 19-23 June 2023** | C:\Users\comas\AppData\Local\Temp\Rar$DRa0.735\jpg\ITU official logo_blue_RGB.jpg |
|  | **Revision 1 to** |
|  | **Document** **TDAG-23/****6-E** |
|  | **14 June 2023** |
|  | **Original: English** |
| Chairman, ITU-D Study Group 2 |
| ITU-D Study Group 2 – Activities and progress |
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| **Summary:**This report presents to TDAG the current status of ITU-D Study Group 2 (SG2). It provides some highlights from the first meeting of SG2 for the 2022-2025 study period which was held from 5 to 9 December 2022, as well as the rapporteur group meetings of SG2 held from 22 May to 2 June 2023, and reviews the work plan. It can be noted that the rapporteur groups for all seven SG2 Questions are progressing well towards WTDC expected outputs.**Action required:**TDAG is invited to note this document and provide guidance as deemed appropriate.**References:**WTDC Resolution 2 (Rev. Kigali, 2022), Resolution 1 (Rev. Kigali, 2022) |

# Highlights

Highlights from the first SG2 meeting for the 2022-2025 study period include:

* 268 participants and 64 Member States;
* Appointment of 11 rapporteurs/co-rapporteurs and 67 vice-rapporteurs to lead the Questions under study;
* 96[[1]](#footnote-2) documents to start the work for the 2022-2025 study period;
* 7 outgoing liaison statements were agreed and dispatched;
* Draft work plans were developed, and draft initial outlines/tables of contents of the expected outputs for all Questions and lists of responsibilities were prepared;
* Several topics and proposals for collaboration were explored, including mapping of activities with other ITU Sectors, WTDC Resolution 9 (Rev. Kigali, 2022), ITU Coordination Committee for Teminology (CCT), World Summit on the Information Society (WSIS), Expert Group on ICT Household Indicators (EGH) and Expert Group on Telecommunication/ICT Indicators (EGTI), and synergies with BDT projects and initiatives.
* An onboarding session to inform and assist members on the activites of the study groups took place on 5 December 2022 following the main session of the opening plenary.

Highlights from the first block of SG2 rapporteur group meetings held from 22 May to 2 June 2023 include:

* 214 participants and 45 Member States;
* 88[[2]](#footnote-3) documents to progress the work, including a few preliminary proposals for chapters of final reports;
* 7 outgoing liaison statements were agreed and dispatched;
* 7 workshops were held in conjunction of the rapporteur group meetings on specific topics related to the terms of reference of study Questions;
* The meetings reviewed and updated their draft work plans and tables of contents of final reports as appropriate, based on progresses made;
* Proposals for collaboration with other ITU Sectors on specific topics (updated mapping tables for inter-sectoral coordination, WTDC Resolution 9) were presented and discussed;

# WTDC-22 decisions with impact on ITU-D study groups

# Scope of work

ITU-D Study Group 2 (SG2) was established in accordance with WTDC Resolution 2 (Rev. Kigali, 2022) to study Questions and issues relating to Digital transformation. As described in Annex 1 to this Resolution, SG2 is responsible for substantive topics in the following areas:

* Telecommunications/ICTs for e-services, including e-health and e-education
* Building confidence and security in the use of ICTs
* Using telecommunications/ICTs for monitoring and mitigating the impact of climate change, and consideration of circular economy and safe disposal of electronic waste
* Combating counterfeit telecommunication/ICT devices and theft of mobile telecommunication devices
* Implementation of conformance and interoperability testing for telecommunication/ICT devices and equipment
* Human exposure to electromagnetic fields
* Challenges and prospects for developing countries in access to emerging technologies, platforms, applications and use cases
* Using telecommunications/ICTs to create smart cities and the information society
* Adoption of telecommunications/ICTs and improving digital skills.

# Study Group 2 Questions

As described in Annex 2 to Resolution 2, the formal titles of the SG2 Questions are as follows:

* Question 1/2: Smart sustainable cities and communities
* Question 2/2: Enabling technologies for e-services and applications, including e-health and e-education
* Question 3/2: Securing information and communication networks: Best practices for developing a culture of cybersecurity
* Question 4/2: Telecommunication/ICT equipment: Conformance and interoperability, combating counterfeiting and theft of mobile devices
* Question 5/2: Adoption of telecommunications/ICTs and improving digital skills
* Question 6/2: ICTs for the environment
* Question 7/2: Strategies and policies concerning human exposure to electromagnetic fields.

The definitions of the Questions, which include, *inter alia*, the statement of the problem, the Question or issue for study, the expected output and the required timing for the output, can be found in Part V (ITU-D Study Questions and their terms of reference) of the Final Report of the World Telecommunication Development Conference 2022 (WTDC-22)[[3]](#footnote-4).

# Study Group 2 management

WTDC-22 designated the SG2 leadership for the study period 2022-2025.

Mr Fadel Digham (Egypt) serves as Chair of ITU-D SG2; he has been ably assisted by the following vice-chairs:

* Ms Zainab Ardo (Nigeria) (AFR)
* Mr Mohamed Lamine Minthe (Guinea) (AFR)
* Mr Víctor Antonio Martínez Sánchez (Paraguay) (AMS)
* Mr Abdelaziz Alzarooni (United Arab Emirates) (ARB)
* Mr Hideo Imanaka (Japan) (ASP)
* Ms Mina Seonmin Jun (Republic of Korea) (ASP)
* Mr Tongning Wu (China) (ASP)
* Mr Mushfig Guluyev (Azerbaijan) (CIS)
* Mr Diyor Rajabov (Uzbekistan) (CIS)
* Ms Alina Modan (Romania) (EUR)
* Mr Dominique Würges (France) (EUR)

The SG2 vice-chairs actively follow the work assigned by WTDC-22, providing sound and valuable advice to the chair on all issues related to the study group. Some vice-chairs are also co-rapporteurs and vice-rapporteurs of study group Questions.

The list of appointed chair and vice-chairs of SG2 can be found in **Annex 1** of this report. In conformance with provision 3.2.8 of WTDC Resolution 1 (Rev. Kigali, 2022), this annex includes also information on their attendance in the previous study group and rapporteur group meetings. It should also be noted that a vice-chair had to resign recently. Appointment for a new vice-chair will be considered at the next SG2 plenary meeting in October 2023, in accordance with Art. 244 of the ITU Convention.

# Working methods

Some persons were assigned specific coordination roles in SG2. These persons were primarily the vice-chairs of SG2, in accordance with provision 3.2.3 of WTDC Resolution 1, and assignments were made following an expression of interest of the SG2 vice-chairs. When a role could not be filled by any SG2 vice-chair, additional members, such as rapporteurs and vice-rapporteurs, were invited to fill the role. The list of assigned persons and their roles can be found below:

**Table 1: List of assigned coordinators for ITU-D Study Group 2**

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| **Topic** | **Responsible person(s)** |
| 1. Backup to the SG chair | Mr Dominique WÜRGES (SG2 Vice-Chair, France) |
| 2. Plenary liaison statements | Mr Mohamed Lamine MINTHE (SG2 Vice-Chair, Guinea) |
| 3. Joint activities (annual deliverables, workshops, webinars) | Mr Diyor RAJABOV (SG2 Vice-Chair, Uzbekistan) |
| 4. Council working groups | Mr Abdelaziz ALZAROONI (SG2 Vice-Chair, UAE) |
| 5. Youth and women engagement | Ms Alina MODAN (SG2 Vice-Chair, Romania) |
| 6. Delegate on-boarding (e.g. induction) | Mr Victor Antonio MARTÍNEZ SÁNCHEZ (SG2 Vice-Chair, Paraguay) |
| 7. WTDC Resolution 9 | Mr Hideo IMANAKA (SG2 Vice-Chair, Japan)Mr Haim MAZAR (Co-Rapporteur for Q7/2, ATDI, France) |
| 8. Statistics (EGTI, EGH) | Ms Mina Seonmin JUN (SG2 Vice-Chair, Rep. of Korea) |
| 9. ITU-CCT (Vocabulary) | Mr Tongning WU (SG2 Vice-Chair and Co-Rapporteur for Q7/2, China) |
| 10. Inter-sectoral mappings | Mr Haim MAZAR (SG2 Vice-Chair, ATDI, France)Mr Arseny PLOSSKY (Vice-Rapporteur for Q2/2, Russian Federation) |
| 11. Synergies of study Questions with ITU actions (e.g. projects) | Ms Zainab ARDO (SG2 Vice-Chair, Nigeria)Mr Mushfig GULUYEV (SG2 Vice-Chair, Azerbaijan) |
| 12. Dashboard for monitoring Question progress | Q1/2, Q2/2: Mr Diyor RAJABOV (SG2 Vice-Chair, Uzbekistan)Q3/2, Q5/2, Q6/2: Mr Dominique WÜRGES (SG2 Vice-Chair, France)Q4/2, Q7/2: Mr Tongning WU (SG2 Vice-Chair and Co-Rapporteur for Q7/2, China) |

# Strategy and work plan for Study Group 2

Study Group 2 works in accordance with the scope of work defined in WTDC Resolution 2 (“Establishment of study groups”) to reach its expected results for the 2022-2025 study period. The first meeting in 2022 endorsed the SG2 work plan, shown in **Annex 2** of this report.

In accordance with the work plan presented by SG2 to TDAG, rapporteur group management teams were invited to strive towards defining a clear roadmap by producing accurate workplan and table of contents for each Question, which can then serve as a good basis for future meetings.

The requirement for Questions to plan for the development of interim deliverables on specific topics of the Question mandate was also highlighted. The rapporteur groups were invited to work within the mandate of each Question to ensure that such deliverables are provided.

While detailing the schedule of future SG2 and rapporteur group meetings, the rapporteur groups were also requested to identify appropriate topics to organize workshops, and rely on additional resources such as ongoing BDT projects, in order to help them reach their objectives.

Finally, the membership was encouraged to strive for more collaboration with ITU-D Study Group 1 and other ITU Sectors, including the possibility of organizing joint workshops as appropriate, in order to further leverage available expertise.

# Overview of the work of ITU-D Study Group 2

# First Study Group 2 meeting for the study period (5-9 Dececember 2022)

The first meeting of ITU-D Study Group 2 following the 2022 World Telecommunication Development Conference (WTDC-22) was held from 5 to 9 December 2022 with 268 participants and 64 Member States present[[4]](#footnote-5). 43% of participants were women expert delegates and 25 fellowships were granted. Participation by membership category is detailed below:



**Figure 1: Distribution of participants by membership category (December 2022)**

A detailed list of participants can be found in Document [2/ADM/23](https://www.itu.int/md/D22-SG02-ADM-0023). Preliminary statistics summarizing participation by region, contributions by Question, and other data may be found in Document [2/ADM/3 + annex](https://www.itu.int/md/D22-SG02-ADM-0003/en). Webcast as well as interactive, multilingual remote participation were provided; the full archives of the meetings are available [here.](https://www.itu.int/net4/ITU-D/CDS/sg/webcast_archive.asp?lg=1&sp=2022&stg=&mtg=28157) All meeting documents can be downloaded from the [meeting website](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2022&blk=28157) (TIES access is required).

The former BDT Director, Ms Doreen Bodgan-Martin, and the Chair of Study Group 2, Mr Fadel Digham (Egypt), were joined by the following appointed SG2 vice-chairs: Ms Zainab Ardo (Nigeria), Mr Mushfig Guluyev (Azerbaijan – participated remotely), Mr Hideo Imanaka (Japan), Ms Mina Seonmin Jun (Republic of Korea), Mr Mohamed Lamine Minthe (Guinea), Mr Víctor Antonio Martínez Sánchez (Paraguay – participated remotely), Ms Alina Modan (Romania – participated remotely), Mr Diyor Rajabov (Uzbekistan), Mr Tongning Wu (China – participated remotely), and Mr Dominique Würges (France). Together the team guided SG2 through 96 documents submitted to advance the work.

The first meetings considered the expected results agreed on by the membership at WTDC-22, identified methods for conducting its work and developing draft work plans for each study Question. Draft intitial outlines/tables of contents of the expected outputs for all Questions and detailed lists of responsibilities were also prepared.

Out of the 83 candidatures received for positions in ITU-D SG2, the meeting appointed 11 rapporteurs/co-rapporteurs and 67 vice-rapporteurs to lead the Questions under study. The appointment followed a rigorous process and review, primarily based on their expertise and previous experience and contributions in the topics of the Questions under study, while ensuring a fair representation by each country and respecting regional and gender balance whenever possible.

**Annex 1** to this report shares the list of appointed (co-)rapporteurs and vice-rapporteurs. In conformance with provisions 3.3.9 of WTDC Resolution 1, this annex includes also information on attendance of the management team members in previous study group and rapporteur group meetings. It should also be noted that a rapporteur had to resign recently. Appointment for a new rapporteur will be considered at the next SG2 plenary meeting in October 2023, in accordance with applicable provisions of WTDC Resolution 1 (Rev. Kigali, 2022).

During this SG2 meeting, the management teams met several times in order to ensure effective communication and understanding between them on the expected work for each Question. The SG2 chair and vice-chairs held a meeting with all Questions management teams to discuss main working methods and highlight key aspects including the roles of both rapporteurs and vice-rapporteurs, collaboration with relevant vice-chairs, and general recommendations for organizing joint workshops, collaboration with other relevant questions within ITU-D and other ITU Sectors and effective discussions of submitted contributions.

Several topics and proposals for collaboration were also explored, including mapping of activities with other ITU Sectors, WTDC Resolution 9 (Rev. Kigali, 2022), ITU Coordination Committee for Teminology (CCT), World Summit on the Information Society (WSIS), Expert Group on ICT Household Indicators (EGH) and Expert Group on Telecommunication/ICT Indicators (EGTI), and synergies with BDT projects and initiatives. More information can be found in **Section 3** of this report.

An onboarding session[[5]](#footnote-6) took place on 5 December 2022 following the main session of the opening plenary. This session aimed to help, in particular new delegates, by providing an overview of the study groups and information to help them to get involved in the activities of the study groups, such as where to find what in the study group website, and guidance to submit contributions.

At the closing of each Question session, the SG2 Chairman asked representatives from Generation Connect Youth Envoys to express their views and thoughts with relation to the topic of the Question. And each Question manageement team was called to consider such views as a potential means to improve ther work plan and future activities.

# Reports of rapporteur group meetings – December 2022

Reports of the individual rapporteur group meetings held in December 2022 can be found at the following links:

* Question 1/2 available here: ([December 2022](https://www.itu.int/md/D22-SG02-R-0001/en))
* Question 2/2 available here: ([December 2022](https://www.itu.int/md/D22-SG02-R-0002))
* Question 3/2 available here: ([December 2022](https://www.itu.int/md/D22-SG02-R-0003))
* Question 4/2 available here: ([December 2022](https://www.itu.int/md/D22-SG02-R-0004))
* Question 5/2 available here: ([December 2022](https://www.itu.int/md/D22-SG02-R-0005))
* Question 6/2 available here: ([December 2022](https://www.itu.int/md/D22-SG02-R-0006))
* Question 7/2 available here: ([December 2022](https://www.itu.int/md/D22-SG02-R-0007))

# 2023 Study Group 2 rapporteur group meetings and public workshops (22 May - 2 June 2023)

The 2023 Rapporteur Group meetings of ITU-D Study Group 2 following the 2022 World Telecommunication Development Conference (WTDC-22) was held from 22 May to 2 June 2023 with 214 participants and 45 Member States present[[6]](#footnote-7). 36% of participants were women expert delegates and 18 fellowships were granted. Participation by membership category is detailed below:



**Figure 2: Distribution of participants by membership category (May-June 2023)**

A detailed list of participants can be found in Document [SG2RGQ/ADM/24](https://www.itu.int/md/D22-SG02.RGQ-ADM-0024/en). Webcast as well as interactive, multilingual remote participation were provided; the full archives of the meetings are available [here.](https://www.itu.int/net4/ITU-D/CDS/sg/webcast_archive.asp?lg=1&sp=2022&stg=&mtg=28157) All meeting documents can be downloaded from the [meeting website](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&stg=&sp=2022&blk=28225) (TIES access is required).

The Rapporteur Group meetings continued reviewing contributions with case studies and lessons learned from members, as well as refining the work plans and outlines of SG2 Question deliverables. The meetings received 88 documents (including 16 liaison statements) to progress the work. Some preliminary proposals for chapters of final reports were also reviewed. Seven outgoing liaison statements were dispatched following the meetings. The groups also reviewed their draft work plans and tables of contents of final reports. While most of them were agreed to be kept unchanged at this stage, a few of them were proposed to be updated based on progresses made during the meetings.

It was discussed by some rapporteur groups that an optional section could be added in the contribution submission form entitled “Relevance to Question Chapters” to help make contributions relevant and oriented to outcomes.

To facilitate coordination and further strengthen collaboration between the two ITU-D study groups as well as with the study groups in the other ITU Sectors, updated mapping tables for inter-sectoral coordination were presented and discussed with few changes agreed at this stage, with the understanding that they will be maintained further as living documents. Some proposals on next steps for addressing WTDC Resolution 9 were also discussed in the context of the directions agreed at the previous meeting (see section 3.2).

With the purpose of deepening knowledge on specific topics treated by the Questions under study, and encouraging sharing of knowledge with other ITU Sectors and organizations, several public workshops were organized in conjunction with these meetings. These events invited not only experts from ITU members but also several non-ITU members to the discussions. In total seven workshops were held with 53 presentations made in total, on the following topics:

* Question 1/2: Workshop on digital public infrastructure and shared services for smart sustainable government, cities and communities (25 May 2023, [programme](https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/meetings/session-Q1-2-may23.aspx));
* Question 2/2: Workshop on adoption of new digital technology for e-health, e-learning and other e-services (30 May 2023, [programme](https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/meetings/session-Q2-2-may23.aspx));
* Question 3/2: Workshop on cybersecurity assurance practices (23 May 2023, [programme](https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/meetings/session-Q3-2-may23.aspx));
* Question 4/2: Workshop on conformity and interoperability challenges for digital transformation (2 June 2023, [programme](https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/meetings/session-Q4-2-june23.aspx));
* Question 5/2: Workshop on adoption of ICTs and digital skills development (1 June 2023, [programme](https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/meetings/session-Q5-2-may23.aspx));
* Question 6/2: Workshop on green ICT and emerging technologies towards climate change mitigation (29 May 2023, [programme](https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/meetings/session-Q6-2-may23.aspx));
* Question 7/2: Workshop on international, regional and national policies concerning human exposure to electromagnetic fields (25 May 2023, [programme](https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/meetings/session-Q7-2-may23.aspx)).

Main summaries and outcomes of these workshops are described in the annexes of the rapporteur group meeting reports (see section 2.3). Insightful and useful information gathered during the sessions will contribute towards the development of interim deliverables, final reports and any other outputs.

All Question management teams communicated regularly and met online as appropriate to ensure that these workshops are well-prepared. The average participation level in Question management team meetings stood at 55%. A SG2-level management team meeting was held on 16 March 2023 to review the status of preparations in order to provide an opportunity to share helpful preparation methods with each other and to ensure aligned guidelines across the Questions. A meeting with the SG2 vice-chairs/coordinators (see list of coordinators in section 1.4 of this report) was also held on 24 May 2023 in order to review each of their role and explore ways that could best bring benefits to the work of the study group as a whole.

# Reports of rapporteur group meetings – May-June 2023

Reports of the individual rapporteur group meetings held in May-June 2023 can be found at the following links:

* Question 1/2 available here: ([May 2023](https://www.itu.int/md/D22-SG02.RGQ-R-0001))
* Question 2/2 available here: ([May 2023](https://www.itu.int/md/D22-SG02.RGQ-R-0002))
* Question 3/2 available here: ([May 2023](https://www.itu.int/md/D22-SG02.RGQ-R-0003))
* Question 4/2 available here: ([June 2023](https://www.itu.int/md/D22-SG02.RGQ-R-0004))
* Question 5/2 available here: ([May 2023](https://www.itu.int/md/D22-SG02.RGQ-R-0005))
* Question 6/2 available here: ([May 2023](https://www.itu.int/md/D22-SG02.RGQ-R-0006))
* Question 7/2 available here: ([May 2023](https://www.itu.int/md/D22-SG02.RGQ-R-0007))

# Collaboration with other groups

# Mapping between work in ITU-D study groups to work in the other ITU Sectors

To facilitate coordination and further strengthen collaboration with the study groups in the other Sectors, work on two sets of mapping tables evolved during and between the meetings: 1) a revised mapping of ITU-D SG1 and SG2 Questions of interest to Questions in ITU-T study groups; and 2) a matrix of mapping between ITU-D SG1 and SG2 Questions and ITU-R working parties.

During the first meeting of SG2, the Inter-Sector Coordination Group (ISCG) on issues of mutual interest presented the latest mapping tables between ITU-D Questions, ITU-T Questions and ITU-R working parties. As developed already during the previous study period, such mapping is to help rapporteur groups to relate their activities to the work undertaken in the other ITU Sectors, such as cross-referencing existing Recommendations, directing liaison statements to the right groups, and identifying experts and sharing expertise on related topics e.g. through organized workshops. As such, the mapping can serve as a guide for interaction and collaboration between the ITU Sectors.

There was agreement that the mapping tables need to be updated, in order to reflect the new Questions approved at the last WTDC. During the first SG2 meeting in December 2022, the rapporteur groups were invited to review them and initial feedbacks were provided.

Following the first meeting and these initial feedbacks, the assigned coordinators (see section 1.4 of this report) in charge of inter-sectoral coordination reviewed these mapping tables in more detail and proposed further updates, the results of which were submitted to ISCG for consideration at its meeting held on 2 May 2023[[7]](#footnote-8). These updated tables were then reviewed by the rapporteur groups during their last meetings held in May-June 2023. Most of the proposals were accepted with a few minor changes.

It was noted that the mapping tables are living documents that require regular maintenance and updates to remain relevant and reflect the evolving work.

# Involvement and contribution of ITU-D study groups toward the implementation of WTDC Resolution 9

During the meetings, the importance of continuing the implementation of WTDC Resolution 9 was discussed and acknowledged. Some mechanisms were proposed to implement it, such as nomination of representatives to both ITU-D and ITU-R study groups, and nomination of focal points within each rapporteur group, which generated various views.

As a result of these discussions and in order to facilitate communication and information exchange, it was decided to:

* assign two coordinators in SG2 for the overall coordination of this resolution (see section 1.4 of this report);
* since not all Questions necessarily have linkages with Resolution 9, request rapporteur groups to review the relevance of their mandates with this Resolution, and assign focal points (vice-rapporteurs) within their management team as appropriate;
* ensure coordination between the vice-rapporteur in charge and the corresponding SG2 coordinator;
* invite rapporteur groups to leverage regular information provided by ITU-R (presentations in plenaries, incoming liaison statements) to identify items of relevance for further collaboration.

# ITU Coordination Committee for Terminology (ITU CCT)

In accordance with provision 12.3 of WTDC Resolution 1, a vice-chair of SG2 was appointed (see section 1.4 of this report) as an ITU-D representative to the ITU Coordination Committee for Terminology (ITU-CCT). Resolution 154 (Rev. Bucharest, 2022) of the Plenipotentiary Conference, on the use of the six official languages of the Union on an equal footing, notes the importance of the work of ITU CCT, which agrees and adopts terms and definitions in the field of telecommunications/ICTs.

Since WTDC-22, ITU CCT met twice by correspondence, on 28 November 2022 and 18 April 2023. Each meeting considered liaison statements and contributions with matters concerning terminology issues and agrees on updates to the ITU terminology database, especially what is called Part 3 with the terms, acronyms and definitions. While no specific activity has yet been identified in relation with ITU CCT at this stage, the importance to harmonize new terms and definitions was recognized. ITU-D in its work must be aware of the ITU terminology database and its usefulness when preparing reports and other deliverables. SG2 will continue to regularly follow relevant discussions with the rapporteur groups and the appointed SG2 representative to ITU CCT.

In the SG2 management team meeting held in Geneva on 24 May within the Rapporteur group meetings, it was decided that the assigned SG2 Vice-Chair coordinator should seek close cooperation with the ITU-CCT committee and encourage Questions rapporteurs to identify the terminologies they seek or need to propose clear definitions for.

# Collaboration with WSIS

Several documents were presented to SG2 on the various activities undertaken by the General Secretariat related to WSIS, including the WSIS Forum 2022 outcomes, WSIS Forum 2023 preparations, ITU’s contribution to the implementation of the WSIS outcomes (2022) and ITU roadmaps C2, C4, C5 and C6, WSIS Stocktaking 2022 and 2023, as well as WSIS Prizes 2022 and 2023. As all study Questions have linkages with WSIS Action Lines, SG2 will continue to seek opportunities for synergies with WSIS by leveraging the collaborations explored and achieved during the previous study period.

# Expert Group on ICT Household Indicators and Expert Group on Telecommunication/ICT Indicators

SG2 reviewed an overview of ITU-D’s statistical products and activities in 2022, including the latest publications in that area, key revisions of WTDC Resolution 8 (Rev. Kigali, 2022) and Resolution 131 (Rev. Bucharest, 2022) of the Plenipotentiary Conference, and key results from the Expert Group on ICT indicators (EGTI) and the Expert Group on ICT Household Indicators (EGH).

Considering the ongoing work of EGTI and EGH on topics that are of interest to the SG2 Questions, such as indicators on 5G/IMT-2020, OTT services, e-waste, and ICT skills, SG2 will continue to collaborate with these expert groups in order to explore new synergies. To facilitate this collaboration, a coordinator was assigned on matters related to statistics (see section 1.4 of this report).

# Synergies with BDT projects and initiatives

SG2 reviewed an overview of the implementation of the project function in ITU, with special focus in presenting linkages between ITU projects implemented by BDT and ITU-D study Questions. ITU projects continue to be a significant part of the activities implemented by BDT in terms of the direct assistance they provide to developing countries. Considering the close linkages of many BDT projects with ITU study Questions, SG2 assigned two new coordinators (see section 1.4 of this report) in order to explore how the projects could be leveraged to benefit the study Questions and vice-versa.

# Collaborative tools

Similarly to the previous study period, usage of [collaborative tools](https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/reference/Collaborative-Tools.aspx) to facilitate collaborators’ electronic participation in the work of the ITU-D study groups, will continue. In addition to remote participation services and the webcast in the languages of the respective meeting, mailing lists and collaborative SharePoint sites are/will be made available to participants and management team members. A new contributions repository & dashboard[[8]](#footnote-9), which facilitates the search of previous contributions and their abstracts, was also presented. Study group participants were encouraged to explore the tools and to provide any feedback to the secretariat to assist in their improvement.

# Conclusion and way forward

To continue its work, the next Study Group 2 meetings will take place in Geneva from 30 October to 3 November 2023[[9]](#footnote-10). The rapporteur group meetings organized within the same week will allow rapporteurs, vice-rapporteurs and active participants to attend more than one meeting, share ideas across related topics, convene drafting groups as needed, meet with their BDT focal points and staff, as well as the chair and vice-chairs of the Study Group.

Efforts will continue to build synergies between study group topics, workshops and seminars through close coordination and collaboration with other ITU Sectors and the General Secretariat. Proposals to host activities related to the ITU-D study groups in the regions are also encouraged and very welcome.

In particular, proposals to build more synergies and pave the way forward include:

* Forming an intersectorial group to strengthen and streamline cooperation with ITU-T in relevant issues on the hot topic of “Digital Transformation”, especially given that in the last meeting of TSAG (30 May – 2 June 2023), a Rapporteur Group on sustainable digital transformation (RG-DT) was formed under TSAG with the following ToRs:
1. Perform a gap analysis on the activities and studies on sustainable digital transformation in ITU-T, ITU-D and ITU-R as well as in other standardization bodies.
2. Consider inter alia, definitions, concepts, system architectures, use-cases, fundamental underlying technologies, interoperability, and the ecosystem of sustainable digital transformation.
3. Identify stakeholders with whom ITU-T could collaborate and propose potential collective action and specific next steps.

From the ITU-D side, activities related to digital transformation include:

1. SG2 definition and scope of work
2. BDT projects and initiatives

Such a proposed intersectorial group will then benefit and assist Member States in their digital transformation roadmap through an aggregate outcome from the two ITU Sectors covering both technical standardization and policy guidelines perspectives.

* Considering (or integrating with) the idea of the regional groups implemented by ITU-T study groups (e.g., ITU-T regional groups on smart cities) and empowering the role of regional offices to first collect and assist Member States needs wrt these regional groups.

##### Annex 1: Appointed chair, vice-chairs, rapporteurs and vice-rapporteurs of ITU-D Study Group 2 Questions for the 2022-2025 study period

**Table 1A: List of chair and vice-chairs** (also available at this [web page](https://www.itu.int/en/ITU-D/Conferences/WTDC/WTDC21/Pages/SG_TDAG_appointed-chairs-and-vice-chairs.aspx)) and their attendance (O: physical, OR: remote)

|  |  |  |
| --- | --- | --- |
|  | ITU-D STUDY GROUP 2 | Attendance |
| 2022 SG2 | 2023 RGQ2 |
| Chair | Mr Fadel Digham (Egypt) | O | O |
| Vice-chairs | Mr Hideo Imanaka (Japan)  | O | O |
| Ms Mina Seonmin Jun (Republic of Korea)  | O | O |
| Mr Tongning Wu (China)  | OR | O |
| Ms Zainab Ardo (Nigeria)  | O | O |
| Mr Mohamed Lamine Minthe (Guinea)  | O | O |
| Mr Víctor Antonio Martínez Sánchez (Paraguay)  | OR | O |
| Mr Dominique Würges (France)  | O | O |
| Ms Alina Modan (Romania)  | OR | (Resigned inJune 2023) |
| Mr Diyor Rajabov (Uzbekistan)  | O | OR |
| Mr Mushfig Guluyev (Azerbaijan)  | OR | OR |
| Mr Abdelaziz Alzarooni (United Arab Emirates) |  |  |

**Table 2A: List of (co-)rapporteurs and vice-rapporteurs** (also available at this [web page](https://www.itu.int/net4/ITU-D/CDS/sg/rapporteurs.asp?lg=1&sp=2022)) and their attendance (O: physical, OR: remote)

| **Question**  | **Role**  | **Name of candidate** | **Organisation**  | **Country** | **Region** | **Attendance** |
| --- | --- | --- | --- | --- | --- | --- |
| 2022SG2 | 2023RGQ2 |
| Question 1/2 | Rapporteur | Ms Fifatin Carrelle Lucrèce TOHO | Administration | Benin | Africa |  | (Resigned Apr 2023) |
| Question 1/2 | Vice-Rapporteur | Mr Mory KOUROUMA | Administration | Guinea | Africa |  |  |
| Question 1/2 | Vice-Rapporteur | Mr Seydou DIARRA | Administration | Mali (Republic of) | Africa | O | O |
| Question 1/2 | Vice-Rapporteur | Ms Mariéme Thiam NDOUR | Administration | Senegal | Africa | OR |  |
| Question 1/2 | Vice-Rapporteur | Ms Paulette HERNANDEZ | Administration | United States of America | Americas | OR | O |
| Question 1/2 | Vice-Rapporteur | Mr Cai CHEN | Administration | China (People's Republic of) | Asia & Pacific |  |  |
| Question 1/2 | Vice-Rapporteur | Mr Zhen ZHANG | Administration | China (People's Republic of) | Asia & Pacific |  |  |
| Question 1/2 | Vice-Rapporteur | Mr Hemendra K SHARMA | Administration | India | Asia & Pacific |  | OR |
| Question 1/2 | Vice-Rapporteur | Mr Yoshihiro NAKAYAMA | Administration | Japan | Asia & Pacific | O | O |
| Question 1/2 | Vice-Rapporteur | Mr Álvaro NEIRA | Axon Partners Group | Spain | Europe |  |  |
| Question 2/2 | Co-Rapporteur | Mr Isao NAKAJIMA | Administration | Japan | Asia & Pacific | O | O |
| Question 2/2 | Co-Rapporteur | Mr Done-Sik YOO | Administration | Korea (Republic of) | Asia & Pacific | O | O |
| Question 2/2 | Vice-Rapporteur | Mr Osther Rock BADOU | Administration | Benin | Africa | O | O |
| Question 2/2 | Vice-Rapporteur | Ms Allomo Francine Tania LOGBO | Administration | Côte d'Ivoire | Africa | OR | O |
| Question 2/2 | Vice-Rapporteur | Mr Ibrahima SYLLA | Administration | Guinea | Africa |  |  |
| Question 2/2 | Vice-Rapporteur | Mr Robert Kwambai CHIRCHIR | Administration | Kenya (Republic of) | Africa | OR | O |
| Question 2/2 | Vice-Rapporteur | Mr Gregory DOMOND | Administration | Haiti (Republic of) | Americas |  | O |
| Question 2/2 | Vice-Rapporteur | Ms Alicia TAMBE | Administration | United States of America | Americas | O | O |
| Question 2/2 | Vice-Rapporteur | Mr Geraldo NETO | Telecommunications Management Group, Inc | United States of America | Americas | OR | OR |
| Question 2/2 | Vice-Rapporteur | Ms Shan XU | Administration | China (People's Republic of) | Asia & Pacific | OR | O |
| Question 2/2 | Vice-Rapporteur | Mr Mayank MRINAL | Administration | India | Asia & Pacific |  |  |
| Question 2/2 | Vice-Rapporteur | Mr Arseny PLOSSKY | Administration | Russian Federation | CIS countries | O | O |
| Question 2/2 | Vice-Rapporteur | Ms Kübra DIRI | Administration | Türkiye | Europe | OR |  |
| Question 3/2 | Co- Rapporteur | Ms Vanessa Copetti CRAVO | Administration | Brazil (Federative Republic of) | Americas | O | O |
| Question 3/2 | Co-Rapporteur | Ms Jabin VAHORA | Administration | United States of America | Americas | O | O |
| Question 3/2 | Vice-Rapporteur | Mr Idrissa DIALLO | Administration | Guinea | Africa | OR |  |
| Question 3/2 | Vice-Rapporteur | Mr Rodgers MUMELO | Administration | Kenya (Republic of) | Africa | OR | O |
| Question 3/2 | Vice-Rapporteur | Mr Sidy Mouhamed FALL | Administration | Senegal (Republic of) | Africa | O | O |
| Question 3/2 | Vice-Rapporteur | Mr Damnam K. BAGOLIBE | Administration | Togolese Republic | Africa | OR | OR |
| Question 3/2 | Vice-Rapporteur | Ms Xinxin WAN | Administration | China (People's Republic of) | Asia & Pacific |  | OR |
| Question 3/2 | Vice-Rapporteur | Mr Prachish KHANNA | Administration | India | Asia & Pacific |  |  |
| Question 3/2 | Vice-Rapporteur | Mr Jaesuk YUN | Administration | Korea (Republic of) | Asia & Pacific | OR | O |
| Question 3/2 | Vice-Rapporteur | Mr Teng MA | China International Telecommunication Construction Corporation | China (People’s Republic of) | Asia & Pacific |  | O |
| Question 3/2 | Vice-Rapporteur | Ms Maria BOLSHAKOVA | Administration | Russian Federation | CIS countries | O | O |
| Question 3/2 | Vice-Rapporteur | Mr Doğukan Ömer GÜR | Administration  | Türkiye | Europe | OR | OR |
| Question 3/2 | Vice-Rapporteur | Ms Nicole DARABIAN | Administration | United Kingdom of Great Britain and Northern Ireland | Europe | O | O |
| Question 3/2 | Vice-Rapporteur | Mr Samuel TEW | Axon Partners Group  | Spain | Europe | OR | O |
| Question 3/2 | Vice-Rapporteur | Mr Daniel BATTY | Access Partnership Ltd | United Kingdom of Great Britain and Northern Ireland | Europe | OR | OR |
| Question 4/2 | Rapporteur | Mr Ibrahima SYLLA | Administration | Guinea | Africa | OR | OR |
| Question 4/2 | Vice-Rapporteur | Ms Awa Koko Valéry Nadège TRAORE Epouse GOUE | Administration | Côte d'Ivoire (Republic of) | Africa | OR | O |
| Question 4/2 | Vice-Rapporteur | Mr Diao TOURE | Administration | Guinea | Africa |  |  |
| Question 4/2 | Vice-Rapporteur | Mr Serigne Abdou Lahatt SYLLA | Administration | Senegal (Republic of) | Africa | OR | OR |
| Question 4/2 | Vice-Rapporteur | Mr Junzhi YAN | Administration | China (People’s Republic of) | Asia & Pacific | OR |  |
| Question 4/2 | Vice-Rapporteur | Mr Jiawei ZANG | Administration | China (People’s Republic of) | Asia & Pacific | OR |  |
| Question 4/2 | Vice-Rapporteur | Mr Kishik PARK | Administration | Korea (Republic of) | Asia & Pacific | OR |  |
| Question 4/2 | Vice-Rapporteur | Ms Tharalika LIVERA | Administration | Sri Lanka (Democratic Socialist Republic of) | Asia & Pacific | O |  |
| Question 4/2 | Vice-Rapporteur | Mr Sergei MELNIK | International Telecommunication Academy | Russian Federation | CIS countries | OR | O |
| Question 4/2 | Vice-Rapporteur | Ms Helen KYEYUNE | Access Partnership Ltd | United Kingdom of Great Britain and Northern Ireland | Europe | OR |  |
| Question 5/2 | Co-Rapporteur | Mr Abdulkarim OLOYEDE | Administration | Nigeria | Africa | O | O |
| Question 5/2 | Co-Rapporteur | Ms Sha WEI | Administration | China (People’s Republic of) | Asia & Pacific | OR | O |
| Question 5/2 | Vice-Rapporteur | Mr Ahmadou Dit Adi CISSE | Administration | Mali (Republic of) | Africa | O | O |
| Question 5/2 | Vice-Rapporteur | Mr Babou SARR | Administration | Senegal (Republic of) | Africa | OR | O |
| Question 5/2 | Vice-Rapporteur | Ms Armelle MANKO | Ecole Nationale Supérieure des Postes, Télécommunications et TIC | Cameroon | Africa | OR |  |
| Question 5/2 | Vice-Rapporteur | Mr Turhan MULUK | Intel Corporation | United States of America | Americas | OR | OR |
| Question 5/2 | Vice-Rapporteur | Mr Guoqing LI | Administration | China (People’s Republic of) | Asia & Pacific | OR | O |
| Question 5/2 | Vice-Rapporteur | Mr Labh SINGH | Administration | India | Asia & Pacific |  |  |
| Question 5/2 | Vice-Rapporteur | Mr N Kishor NARANG | Administration | India | Asia & Pacific |  |  |
| Question 5/2 | Vice-Rapporteur | Ms Niver Bengü KARABACAK | Administration | Türkiye | Europe | OR | OR |
| Question 6/2 | Rapporteur | Ms Aprajita SHARRMA | Administration | India | Asia & Pacific | OR | OR |
| Question 6/2 | Vice-Rapporteur | Mr Apollinaire BIGIRIMANA | Administration | Burundi | Africa | O | O |
| Question 6/2 | Vice-Rapporteur | Ms Gnakri Isabelle Sonia GNABRO Epouse KAKOU | Administration | Côte d'Ivoire (Republic of) | Africa |  | O |
| Question 6/2 | Vice-Rapporteur | Mr Thomas Wambua LUTI | Administration | Kenya (Republic of) | Africa | OR | O |
| Question 6/2 | Vice-Rapporteur | Mr Issa CAMARA | Administration | Mali (Republic of) | Africa | O | O |
| Question 6/2 | Vice-Rapporteur | Mr Gregory DOMOND | Administration | Haiti (Republic of) | Americas | O | O |
| Question 6/2 | Vice-Rapporteur | Mr Shang LI | Administration | China (People’s Republic of) | Asia & Pacific | OR | OR |
| Question 6/2 | Vice-Rapporteur | Mr Yasumitsu TOMIOKA | Administration | Japan | Asia & Pacific | O |  |
| Question 6/2 | Vice-Rapporteur | Mr Sang-hun LEE | Administration | Korea (Republic of) | Asia & Pacific | OR | OR |
| Question 6/2 | Vice-Rapporteur | Ms Julia NIETSCH | Administration | France | Europe | OR | OR |
| Question 6/2 | Vice-Rapporteur | Mr Ethan MUDAVANHU | Access Partnership Ltd | United Kingdom of Great Britain and Northern Ireland | Europe | OR |  |
| Question 7/2 | Co-Rapporteur | Mr Tongning WU | Administration | China (People's Republic of) | Asia & Pacific | O | O |
| Question 7/2 | Co-Rapporteur | Mr Haim MAZAR | ATDI | France | Europe | OR | O |
| Question 7/2 | Vice-Rapporteur | Ms Keamogetswe MATOMELA | Administration | Botswana (Republic of) | Africa |  |  |
| Question 7/2 | Vice-Rapporteur | Mr Diarrassouba BAKARY | Administration | Côte d'Ivoire (Republic of) | Africa |  | O |
| Question 7/2 | Vice-Rapporteur | Mr Diao TOURE | Administration | Guinea | Africa |  |  |
| Question 7/2 | Vice-Rapporteur | Ms Aminata Niang DIAGNE | Administration | Senegal (Republic of) | Africa | O | OR |
| Question 7/2 | Vice-Rapporteur | Mr Gregory DOMOND | Administration | Haiti (Republic of) | Americas | O | O |
| Question 7/2 | Vice-Rapporteur | Mr Wenhua MA | China Institute of Communications | China (People's Republic of) | Asia & Pacific | OR | OR |
| Question 7/2 | Vice-Rapporteur | Mr Hüseyin Avni YAVUZARSLAN | Administration | Türkiye | Europe | OR | OR |

Annex 2: Work plan of ITU-D Study Group 2



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1. 51 contributions for action, 2 contributions for information, 9 temporary documents and 34 incoming liaison statements [↑](#footnote-ref-2)
2. 72 contributions for action and 16 liaison statements [↑](#footnote-ref-3)
3. The WTDC-22 Final Report is available [here](https://www.itu.int/pub/D-TDC-WTDC-2022). [↑](#footnote-ref-4)
4. The SG2 2022 photos are available [here](https://www.flickr.com/photos/itupictures/albums/72177720304216437). [↑](#footnote-ref-5)
5. Presentation made during the onboarding session is available [here](https://www.itu.int/md/D22-SG02-ADM-0004/en). [↑](#footnote-ref-6)
6. The SG2 Rapporteur Group meeting photos held in 2023 are available [here](https://www.flickr.com/photos/itupictures/albums/72177720308482293). [↑](#footnote-ref-7)
7. Contributions reviewed by ISCG are available [here](https://www.itu.int/en/general-secretariat/ties/Pages/ISCG-documents.aspx). [↑](#footnote-ref-8)
8. The contributions repository & dashboard for the previous study period (2018-2022) can be found [here](https://www.itu.int/en/ITU-D/Study-Groups/2022-2025/Pages/TIES_Protected/contributions_dashboard_2018_2022.aspx). A similar tool for the current study period will be developed soon. [↑](#footnote-ref-9)
9. See Document [2/ADM/1(Rev.2)](https://www.itu.int/md/D22-SG02-ADM-0001/) [↑](#footnote-ref-10)