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| **Telecommunication Development Advisory Group (TDAG)**  **24th Meeting, Geneva, 3-5 April 2019** | C:\Users\comas\AppData\Local\Temp\Rar$DRa0.735\jpg\ITU official logo_blue_RGB.jpg |
|  | **Revision 1 to** |
|  | **Document** **TDAG-19/****13-E** |
|  | **2 April 2019** |
|  | **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. It provides some highlights from the first and second meetings of SG2 for the 2018-2021 study period which were held from 7 to 11 May 2018 and from 25 to 29 March 2019 respectively, as well as the Rapporteur Group meetings held from 1 to 11 October 2018, 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. Buenos Aires, 2017), Resolution 1 (Rev. Buenos Aires, 2017) | |

# Highlights

ITU-D Study Group 2 (SG2) examines several issues: ICTs for the creation of smart cities and societies, telecommunications/ICTs for e-health, building of confidence and security in the use of ICTs, conformance and interoperability testing, combat of counterfeit ICT equipment and theft of mobile devices, use of telecommunications/ICTs in mitigating the impact of climate change on developing countries, and for disaster preparedness, mitigation and relief, as well as, human exposure to electromagnetic fields and safe disposal of electronic waste.

Highlights from the first SG2 meeting for the 2018-2021 study period include:

* 125 participants from 57 countries;
* Appointment of 12 Rapporteurs/co-Rapporteurs and 47 Vice-Rapporteurs to lead the Questions under study;
* 99 contributions to start the work for the 2018-2021 study period;
* 40 incoming liaison statements were received and 18 outgoing liaison statements were agreed and dispatched;
* Draft work plans were approved. Draft initial outlines/tables of contents of the expected outputs for all Questions and detailed lists of responsibilities were prepared;
* Panel session on Early Warning Systems (EWS), which took place on 8 May 2018 in conjunction with the ITU-D Study Group 2 Question 5/2.

Highlights from the second SG2 meeting for the 2018-2021 study period include:

* 133 participants from 49 countries;
* Appointment of 2 additional co-Rapporteurs and 7 additional Vice-Rapporteurs to support the Questions under study;
* 101 contributions to advance the work, including draft chapters for final output reports and annual deliverables;
* 27 incoming liaison statements were received and 15 outgoing liaison statements were agreed.
* A panel session on “A Holistic Approach to Creating Smart Socities” was held to discuss the themes surrounding a new annual deliverable submitted by ITU-D Question 1/2. The deliverable was agreed to be released under the auspices of the SG2 Chairman (i.e., no TIES account needed to access the report);
* Mappings between ITU-D Questions as well as with other ITU Sectors were further enhanced and stabilized;
* Initial studies of possible linkages between ITU-D Questions with ITU projects, ITU capacity building activities and WSIS Prizes 2018 and 2019;
* Progress made on implementation of ITU Plenipotentary Conference Resolution 131 by defining future actions to be taken by SG2 on topics related to statistics, with an ITU-D SG2 Vice-Chairman to coordinate the work between the relevant Questions;
* Progress made on implementation of WTDC Resolution 9 by identifying the relevant Questions and appointing corresponding contact points and an ITU-D SG2 Vice-Chairman to coordinate the work.

Highlights from the first block of SG2 Rapporteur Group meetings include:

* 147 participants from 50 countries participated in the Rapporteur Group meetings and associated sessions/workshops during the two weeks of meetings;
* 95 contributions to progress the work and drafting of deliverables;
* 23 incoming liaison statements were received and 20 outgoing liaison statements dispatched following the meetings.
* The meetings refined the outlines of SG2 Question deliverables and continued drafting and exchanging on chapters of the reports, guidelines and case studies;
* 7 sessions/workshops in relation with the 7 Questions under study in SG2 were organized in conjunction with the SG2 Rapporteur Group meetings to help deepen knowledge on topics treated by the Questions and encouraging sharing of knowledge with other sectors and organizations.
* An exhibition with sponsored presentations took place in parallel with the rapporteur group meetings. The exhibitors, which were mainly SMEs supported by their administrations, shared information and provided hands-on demonstrations of solutions and innovative processes that have been implemented in their countries.

To facilitate coordination and further strengthen collaboration between the two ITU-D study groups as well as with the study groups in the other sectors, work on three sets of mapping tables evolved during the meetings held.

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

# First Study Group 2 meeting for the study period (7-11 May 2018)

The first meeting of ITU-D Study Group 2 following the 2017 World Telecommunication Development Conference (WTDC-17) was held from 7 to 11 May 2018 with 125 participants from 57 countries present[[1]](#footnote-2). Of these, 88 were representatives from Member States, 33 from Sector Members, 3 from Associates and Academia, and 5 from international and regional organizations ([2/100](https://www.itu.int/md/D18-SG02-C-0100)). Statistics summarizing participation by region, contributions by Question, and other data may be found in ([2/ADM/3 + Annex](https://www.itu.int/md/D18-SG02-ADM-0003)). Standard 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=2018&stg=&mtg=20349) All meeting documents can be downloaded from the [meeting website](https://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2018&blk=20349) (TIES access is required).

The [BDT Director](https://www.itu.int/en/ITU-D/bdt-director/Pages/Speeches.aspx?ItemID=182), Mr Brahima Sanou[[2]](#footnote-3), and the Chairman of Study Group 2, Mr Ahmad Reza Sharafat (Islamic Republic of Iran), were joined by the eleven appointed SG2 Vice-Chairmen: Mr Roland Yaw Kudozia (Ghana), Mr Henry Chukwudumeme Nkemadu (Nigeria), Ms Celina Delgado Castellón (Nicaragua), Ms Nora Abdalla Hassan Basher (Sudan), Mr Nasser Al Marzouqi (United Arab Emirates), Ms Ke Wang (China), Mr Ananda Raj Khanal (Republic of Nepal), Mr Yakov Gass (Russian Federation), Mr Tolibjon Oltinovich Mirzakulov (Uzbekistan), Mr Filipe Miguel Antunes Batista (Portugal) and Mr Dominique Würges (France). Together the team guided SG2 through the 99 contributions submitted to advance the work.

The first meetings considered the expected results agreed on by the membership at WTDC-17, identified methods for conducting its work and agree on detailed 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 66 candidaturs received for positions in ITU-D SG2, the meeting appointed 12 Rapporteurs/Co-Rapporteurs and 47 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 respecting regional and gender balance whenever possible. **Annex 1** to this report shares the SG2 management team.

During this ITU-D SG2 meeting, the SG2 management team met several times in order to ensure effective communication and understanding between them on the expected work for each Question.

A [panel session on Early Warning Systems (EWS)](https://www.itu.int/en/ITU-D/Emergency-Telecommunications/Pages/Panel-Session-on-Early-Warning-Systems-(EWS).aspx) was held on 8 May 2018 in conjunction with the ITU-D Study Group 2 Question 5/2 meeting. This panel session aimed to bring together experts who shared their knowledge and experience on the practical assessment of disaster risk reduction and management at the national level, in organizations, and in critical infrastructure sectors. Several best practices (e.g. ensuring flexibility, taking evolving technologies into account) were identified and will be useful for future consideration and application of EWS.

# Second Study Group 2 meeting for the study period (25-29 March 2019)

The second meeting of Study Group 2 took place from 25 to 29 March 2019 with 133 delegates from 49 countries present[[3]](#footnote-4). Of these, 103 were representatives from Member States, 25 from Sector Members, 4 from Associates and Academia, and 6 from international and regional organizations. Statistics summarizing participation by region, contributions by Question, and other data may be found in ([2/ADM/10 + Annex](https://www.itu.int/md/D18-SG02-ADM-0010)).

The BDT Director, Ms Doreen Bogdan Martin[[4]](#footnote-5), and the Chairman of Study Group 2, Mr Ahmad Reza Sharafat (Islamic Republic of Iran), were joined by the following appointed Vice-Chairmen: Ms Nora Abdalla Hassan Basher (Sudan), Mr Roland Yaw Kudozia (Ghana), Mr Henry Chukwudumeme Nkemadu (Nigeria), Ms Ke Wang (People’s Republic of China) and Mr Dominique Würges (France). Together the team guided SG2 through the 101 contributions submitted to advance the work.

This second meeting reviewed the work progress made by the SG2 rapporteur groups last year. Good progress was made overall, and members were encouraged to contribute further on remaining topics that required more inputs. SG2 started also to review texts for annual deliverables or final output reports related to the Questions under study.

Following among others the resignation of Ms Dan Liu (People’s Republic of China) from the position of Co-Rapporteur for Question 7/2, due to new assignments in her administration, there was a need to reinforce some of the management teams and to ensure good progress. As a result of related discussions in SG2, 2 co-Rapporteurs and 7 Vice-Rapporteurs were newly appointed based on their expertise and experience, while respecting regional and gender balance whenever possible. **Annex 1** to this report includes the new members of the SG2 management team.

One annual deliverable, entitled “A holistic approach to creating smart societies” ([2/169(Rev.1)](https://www.itu.int/md/D18-SG02-C-0169)) was submitted by the Rapporteur Group for Question 1/2 for release. The deliverable seeks to provide some key principles of the holistic approach to create smart societies, describe components of a layered architecture of a smart city and society, as well as some related case studies. A related panel session was also held to present the deliverable and debate around these topics. After consideration of the existing process and based on discussions, SG2 agreed to release the document (i.e., no TIES account needed to access this annual deliverable) under the auspices of the SG2 Chairman, in order to provide the membership with timely information as well as to enoucourage and facilitiate further contributions on this topic.

In order to seek synergies and encourage collaboration between activities of the ITU-D Questions and other ITU Sectors, this meeting further enhanced the mappings between the ITU-D study group Questions, as well as between ITU-D and ITU-T activities, and between ITU-D and ITU-R activities. The meeting considered that the mappings were stable and could continue to be updated as living documents by the three ITU Sectors. A corresponding document has been prepared to explain the background along with a purpose statement in support of these mapping activities.

SG2 discussed also possible linkages between the ITU-D study group Questions with ITU projects, ITU capacity building activities (with focus on ITU centres of excellence) and WSIS Prizes 2018 and 2019, and some initial mappings between them were proposed. The SG2 Rapporteur Groups will further analyse the mappings relevant to their respective Questions and will take follow-up actions as appropriate.

In an effort to implement ITU Plenipotentiary Conference (PP) Resolution 131 (Rev. Dubai, 2018) on “Measuring information and communication technologies to build an integrating and inclusive information society”, a proposal was reviewed on possible actions to be followed by ITU-D SG2. As a result of discussions, there was consensus to invite BDT to provide statistical information that may be of interest to study Questions in ITU-D SG 2 in the future, as well as to actively coordinate those study Questions that may benefit from utilizing statistics and statistical analysis (e.g., related to ICT indicators in ICT Development Index (IDI)). Such coordination will be under the supervision of an ITU-D SG2 Vice-Chairman.

In an effort to implement WTDC Resolution 9 (Rev. Buenos Aires, 2017) on “Participation of countries, particularly developing countries, in spectrum management”, and in particular to fulfil the needs of the developing countries stated therein, SG2 identified relevant study Questions that would require close collaboration with ITU-R. In order to facilitate this collaboration, a contact point was appointed for each identified Question, and Ms Nora Abdalla Hassan Basher (Sudan), Vice-Chairman of ITU-D Study Group 2, will be responsible for coordinating WTDC Resolution 9 issues with the contact points.

# 2018 Study Group 2 Rapporteur Group meetings (1-11 October 2018)

The 2018 Study Group 2 Rapporteur Group meetings refined the work plans and outlines of SG2 Question deliverables and continued drafting and exchanging on chapters of the reports, guidelines and case studies.

In conjunction with the meetings, with the purpose of deepening knowledge on the topics treated by the Questions under study and work plans subsequently developed, and encouraging sharing of knowledge with other sectors and organizations, an integral part of the rapporteur group meetings held from 1 to 11 October 2018 included focus sessions and workshops. These events invited not only experts from ITU members but also several non-ITU members to the discussions. In total seven focus sessions/workshops were organized, with the following topics (the links lead to the detailed programme of each focus session/workshop):

* Question 1/2: [Technology and Innovation Powering Connectivity for Inclusive and Sustainable Industrial Development](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/GMIS-UNIDO-ITU-special-session.aspx) (held on 1 October 2018). This was a joint event organized in collaboration with UNIDO and GMIS, to discuss the future of infrastructure and connectivity for inclusive and sustainable industrial development, and the role of emerging technologies to create sustainable smart cities and communities;
* Question 2/2: [Adoption of new digital health technologies](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/session-Q2-2-oct18.aspx) (held on 5 October 2018);
* Question 3/2: [Cybersecurity emerging issues](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/session-Q3-2-oct18.aspx) (held on 9 October 2018);
* Question 4/2: [Combating counterfeit ICT devices](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/session-Q4-2-oct18.aspx) (held on 4 October 2018);
* Question 5/2: [Disaster drills and emerging technologies on disaster management](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/session-Q5-2-oct18.aspx) (held on 3 October 2018);
* Question 6/2: [E-waste policies, strategies and frameworks](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/session-Q6-2-oct18.aspx) (held on 9 October 2018);
* Question 7/2: [Modern policies, guidelines, regulations and assessments of human exposure to RF-EMF](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/meetings/session-Q7-2-oct18.aspx) (held on 10 October 2018).

Insightful and useful information gathered during the sessions will contribute towards the development of annual deliverables, the first ones for the March 2019 SG2 meeting.

# Reports of Rapporteur Group meetings

Reports of the individual Rapporteur Group meetings that have been held in 2018 and in March 2019 since the last TDAG meeting can be found at the following links:

* Question 1/2 available here: ([May 2018](https://www.itu.int/md/D18-SG02-R-0001))([October 2018](https://www.itu.int/md/D18-SG02.rgq-R-0001))([March](https://www.itu.int/md/D18-SG02-R-0009) 2019)
* Question 2/2 available here: ([May 2018](https://www.itu.int/md/D18-SG02-R-0002))([October 2018](https://www.itu.int/md/D18-SG02.rgq-R-0002))([March](https://www.itu.int/md/D18-SG02-R-0010) 2019)
* Question 3/2 available here: ([May 2018](https://www.itu.int/md/D18-SG02-R-0003))([October 2018](https://www.itu.int/md/D18-SG02.rgq-R-0003))([March](https://www.itu.int/md/D18-SG02-R-0011) 2019)
* Question 4/2 available here: ([May 2018](https://www.itu.int/md/D18-SG02-R-0004))([October 2018](https://www.itu.int/md/D18-SG02.rgq-R-0004))([March](https://www.itu.int/md/D18-SG02-R-0012) 2019)
* Question 5/2 available here: ([May 2018](https://www.itu.int/md/D18-SG02-R-0005))([October 2018](https://www.itu.int/md/D18-SG02.rgq-R-0005))([March](https://www.itu.int/md/D18-SG02-R-0013) 2019)
* Question 6/2 available here: ([May 2018](https://www.itu.int/md/D18-SG02-R-0006))([October 2018](https://www.itu.int/md/D18-SG02.rgq-R-0006))([March](https://www.itu.int/md/D18-SG02-R-0014) 2019)
* Question 7/2 available here: ([May 2018](https://www.itu.int/md/D18-SG02-R-0007))([October 2018](https://www.itu.int/md/D18-SG02.rgq-R-0007))([March](https://www.itu.int/md/D18-SG02-R-0015) 2019)

# Strategy and work plan for Study Group 2

Study Group 2 works in accordance with the scope of work defined in Resolution 2 (Rev. Buenos Aires, 2017) “Establishment of study groups” to reach its expected results for the 2018-2021 study period. The first meeting in 2018 endorsed the four-year SG2 work plan, shown in **Annex 2** to this report. Given that the Telecommunication Development Advisory Group (TDAG) met from 9 to 11 April before the first SG2 meeting the work plan had already been presented to TDAG ([TDAG-18/13](https://www.itu.int/md/D18-TDAG23-C-0013/)), which took note of it.

The requirement for Questions to plan for the development of annual deliverables on specific sub-topics of the Question mandate was expressed by the SG2 Chairman and the rapporteurs were invited to work within the mandate of each Question to ensure that such deliverables are provided. While detailing the schedule of future Study Group 2 and Rapporteur Groups meetings and in conformance with the latest changes by WTDC-17 to Resolution 1 ([2/1](https://www.itu.int/md/D18-SG02-C-0001)), which encourage the holding of informal roundtable discussions, seminars or illustrative workshops, the Chairman further requested the Rapporteur Groups to identify appropriate subjects in order to initiate such events that they feel are useful, and put them forward as proposals to the study group. Also and in accordance with the work plan presented by SG2 to TDAG, the Chairman invited all rapporteurs and vice-rapporteurs 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 importance of inter-Sectoral coordination, as advised by TDAG, was also highlighted. The Chairman encouraged the membership to strive for more collaboration between the Sectors, including the possibility of organizing joint workshops with other Sectors, in order to further enhance available expertise and ensure that more issues can be addressed under the same thematic umbrella.

# Collaboration and coordination with ITU-D Study Group 1 and other Sectors and organizations on matters of shared interest

# Mapping between ITU-D study group Questions and between work in ITU-D study groups to work in the other sectors

To facilitate coordination and further strengthen collaboration between the two ITU-D study groups as well as with the study groups in the other Sectors, work on three sets of mapping tables evolved during the meetings. The tables include the following: **1)** a revised mapping of ITU-D SG1 and SG2 Questions of interest to working items and Questions in ITU-T study groups; **2)** a matrix of mapping between ITU-D SG1 and SG2 Questions and ITU-R Working Parties; and **3)** a draft matrix of relationships and interactions between study Questions in ITU-D SG1 and SG2.

The mapping between **ITU-T study groups**, working parties (WPs) and work items, and ITU-D study Questions started in the 2014-2017 study period. An updated mapping, reflecting the new structure that resulted from WTDC-17 was sent to ITU-T study groups following the May 2018 SG2 meeting. The 2018 rapporteur group meetings were further invited to review and complete the mapping after which the mapping (available through the following [link](https://www.itu.int/md/D18-SG02.RGQ-C-0107/en)) could be shared with ITU-T study groups and TDAG. Subsequently, TDAG shared the updated mapping with TSAG for information at their December 2018 meeting. It can be noted that the mapping tables are living documents that require regular maintenance and updates to remain relevant and reflect the evolving work.

The need for a similar mapping between **ITU-R study groups**, working parties and work items, and ITU-D study Questions was considered essential. In this regard, an initial mapping of ITU-R and ITU-D work was prepared focused on mapping to the level of ITU-R working parties only.

The ITU-D study groups and their management teams have discussed the purpose and rationale behind the mapping exercise and have noted that maintaining an up-to-date mapping will be tedious. The usefulness of such mapping as a tool for the rapporteur groups as they relate their activities to the work undertaken in the other Sectors in terms of cross-referencing existing recommendations, directing liaison statements to the right groups, etc. was expressed. As such, the mapping can serve as a guide for interaction and collaboration between the Sectors. Based on the mapping, experts on different topics can also be found and through them expertise can be shared.

Inspired by the inter-Sectoral mapping, the ITU-D study groups also pursued an **intra-sectoral Question-to-Question mapping**. The draft matrix of relationships and interactions between study Questions in ITU-D SG1 and SG2 seeks to identify areas of possible overlap and opportunities where collaboration could be further strengthened. As for all other mappings, this matrix will evolve over the study period as the study Questions progress their work.

Further enhancements were made on the three mappings described above and a way forward for future updates was discussed during the second meetings of ITU-D Study Group 2, as described in Section 2.2 of this report.

# Liaison statement with other Sectors and organizations

A good number of incoming liaison statements were received in ITU-D Study Group 2 from other ITU Sectors and organizations outside of ITU on various topics, with content such as information about their recent activities or request of specific action, to which ITU-D Study Group 2 will apply due diligence to respond.

# Involvement and contribution of ITU-D study groups toward the implementation of WTDC Resolution 9 (Rev. Buenos Aires, 2017)

During the meetings, the status of implementation of WTDC Resolution 9 (Rev. Buenos Aires, 2017) and its removal by WTDC-17 from the ITU-D study groups, raised questions. As aspects of spectrum management relate to several SG2 study Questions, clarity was sought on the next steps on the implementation and how the study group could address this. Reporting to the meeting on a proposed approach for addressing the complex aspects of implementation of WTDC Resolution 9 (Rev. Buenos Aires, 2017) by BDT, which requires close collaboration with the Radiocommunication Bureau (BR), was provided and it was noted that subsequent information would be shared. As for a possible contribution to the work by the ITU-D study groups, one suggestion was that each Rapporteur Group gather all spectrum-related aspects, and especially requirements expressed, following each meeting and share these regularly with the Chairman of ITU-D Study Group 2. This topic was further discussed during the second ITU-D Study Group 2 meeting (25-29 March 2019) and a way forward to implement this Resolution was agreed, as described in Section 2.2 of this report.

# Work of the ITU Coordination Committee for Terminology (ITU CCT) of interest to ITU-D

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 SG1 vice-chairman Mr Peter Mbengie (Cameroon) and SG2 vice-chairman Ms Ke Wang (People’s Republic of China) to be the ITU-D’s representatives on the ITU Coordination Committee for Terminology (ITU CCT). Plenipotentiary Resolution 154 (Rev. Dubai, 2018) “Use of the six official languages of the Union on an equal footing” now includes text that acknowledges the creation of the ITU CCT through Resolution 1386 which was adopted by the Council at its 2017 session.

In 2018 ITU CCT has met twice by correspondence, on 28 June 2018 and 22 November 2018. Each meeting considers 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. Matters of interest to ITU-D work include the following: a definition of “broadband access”, either specifying 2 Mbit/s as the lower limit for broadband access, or relative to the narrowband rate access without specifying any lower limit (*no agreement reached, a decision is expected at the May 2019 meeting*), a definition of “telecommunications smart maintenance” where the adjective ‘telecommunications’ should be given in singular, and the cyclic use of the word ‘smart’ should be avoided. Furthermore, ITU-D Recommendations should in the future be considered for inclusion in the ITU terminology database. ITU-D in its work must be aware of the ITU terminology database and its usefulness when preparing reports and other deliverables. The next ITU CCT meeting will take place on 7 May 2019.

# Participation of SMEs in the work of ITU-D study groups

The two ITU-D study groups agreed to proceed with the implementation of the Council 2017 initiated pilot project for participation of SMEs in ITU study groups. In 2018, seven SMEs have participated in ITU-D SG1 and SG2 activities and meetings through the pilot project with the support of their Administrations. Many of these SME pilot participants have also submitted contributions to the meetings. Areas such as cloud computing, rural access, cybersecurity and ICT applications have been particularly of interest to these SMEs. An assessment of the pilot was undertaken at the Plenipotentiary Conference. The Council Working Group on Financial and Human Resources (CWG-FHR), which met from 29 to 30 January 2019, is recommending that Council extend the current SME pilot project until 31 January 2020 to facilitate the transition towards implementing new Plenipotentiary Resolution 209 (Dubai, 2018) on “Encouraging the participation of small and medium enterprises in the work of the Union.”

# Collaborative tools

In line with the approach expressed by WTDC-17, the enhancement and further development of [collaborative tools](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/collaborative-tools.aspx) to facilitate collaborators’ electronic participation in the work of the ITU-D study groups, will continue. In addition to interactive remote participation services and the standard webcast in the languages of the respective meeting, mailing lists and collaborative SharePoint sites are made available to participants and management team members at the study group and study Question levels. While [mailing lists](https://www.itu.int/en/ITU-D/Study-Groups/2018-2021/Pages/collaborative-tools.aspx) allow for the exchange of e-mails amongst experts interested in the topics under study, the [collaborative SharePoint sites](https://extranet.itu.int/itu-d/studygroups/SitePages/Home.aspx) provide a virtual meeting place for participants, with a calendar of the activities of the study group, announcements, and a document exchange area to facilitate the work in between meetings. An area exclusively for the management teams of the study groups, including a dedicated sub-site for each Question, is also available with similar facilities. 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 2019 Study Group 2 meeting will take place in Geneva from 25 to 29 March, and the Rapporteur Group meetings, from 7 to 18 October 2019 ([2/ADM/2(Rev.2)](https://www.itu.int/md/D18-SG02-ADM-0002/en)). The Rapporteur Group meetings have been clustered together to allow rapporteurs, vice-rapporteurs and active participants to attend more than one meeting, share ideas across related topics, convene drafting groups, meet with their Focal Points, BDT staff and the Chairman and Vice-Chairmen of the Study Group in attendance.

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

The Chairman informed the meeting that Mr. Nasser Al Marzouqi has submitted his resignation from the Vice Chairmanship of ITU-D SG 2 in order to be able to focus more on his responsibilities as the Chairman of ITU-T SG 20. The Chairman thanked Mr. Al Marzouqi for his contributions and services, and wished him success

**Annex 1: Appointed Chairman, Vice-Chairmen, Rapporteurs and Vice-Rapporteurs of ITU-D Study Group 2 Questions for the 2018-2021 period**

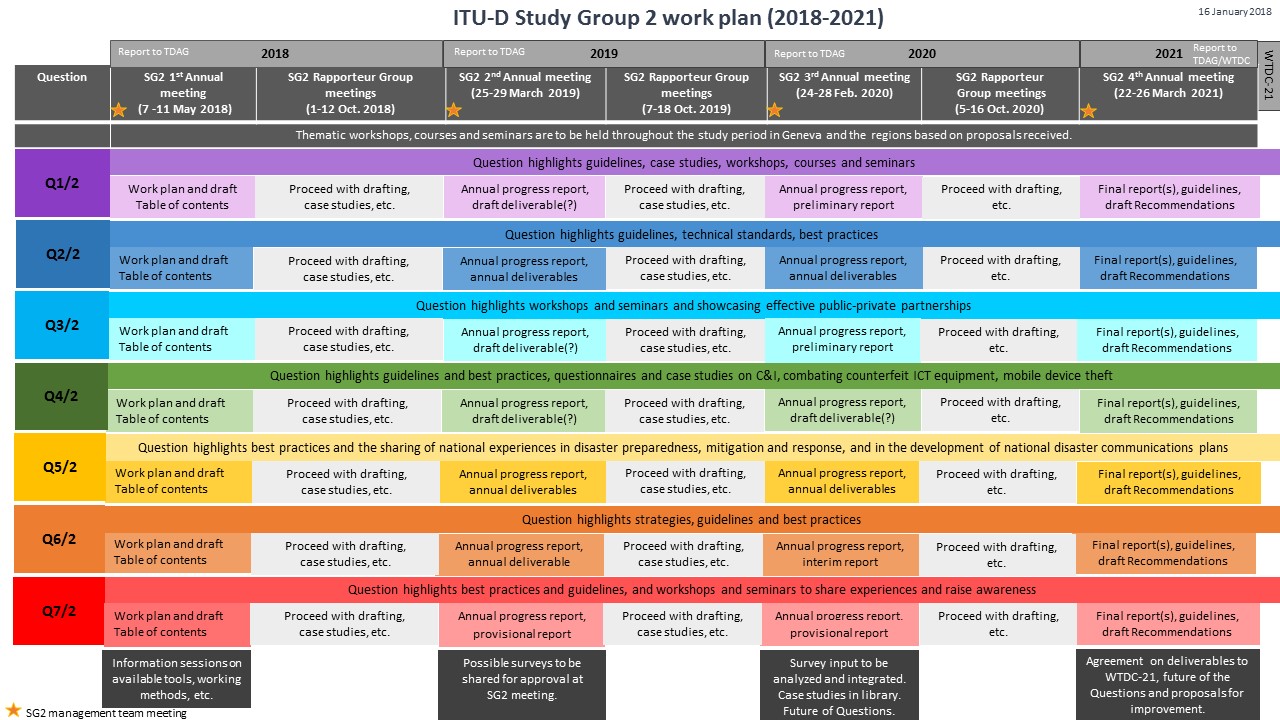
List of chairman and vice-chairmen (also available at: <https://www.itu.int/net4/ITU-D/CDS/sg/chairmen.asp?lg=1&sp=2018>)

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|  | ITU-D STUDY GROUP 2 |
| Chairman | Mr Ahmad Reza SHARAFAT (Islamic Republic of Iran) |
| Vice-Chairmen | Mr Roland Yaw KUDOZIA (Ghana) |
| Mr Henry Chukwudumeme NKEMADU (Nigeria) |
| Ms Celina Delgado CASTELLÓN (Nicaragua) |
| Ms Nora Abdalla Hassan BASHER (Sudan) |
| Mr Nasser AL MARZOUQI (United Arab Emirates)*(Stepped down in March 2019)* |
| Ms Ke WANG (China) |
| Mr Ananda Raj KHANAL (Republic of Nepal) |
| Mr Yakov GASS (Russian Federation) |
| Mr Tolibjon Oltinovich MIRZAKULOV (Uzbekistan) |
| Mr Filipe Miguel Antunes BATISTA (Portugal) |
| Mr Dominique WÜRGES (France) |

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>)

| **ITU-D Question** | **Role** |  | **First name** | **Last name** | **Country** | **Region** | **Organization** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Question 1/2** | **Co-Rapporteur** | Mr | James | Njeru | Kenya | Africa | Administration |
| **Question 1/2** | **Co-Rapporteur** | Mr | Fadel F | Digham | Egypt | Arab States | Administration |
|  | Vice-Rapporteur | Mr | Seydou | Diarra | Mali | Africa | Administration |
|  | Vice-Rapporteur | Ms | Carrelle | Toho Acclassato | Benin | Africa | Administration |
|  | Vice-Rapporteur | Ms | Aminata Niang | Diagne | Senegal | Africa | Administration |
|  | Vice-Rapporteur | Mr | Turhan | Muluk | United States | Americas | Intel Corporation |
|  | Vice-Rapporteur | Mr | Abdelmadjid | Loumi | Algeria | Arab States | Administration |
|  | Vice-Rapporteur | Mr | Fadi | Morjanh | State of Palestine | Arab States | Administration |
|  | Vice-Rapporteur | Mr | Sanjeev | Banzal | India | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Cai | Chen | China | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Jong-Sung | Hwang | Korea (Rep. of) | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Ataru | Kobayashi | Japan | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Yuki | Umezawa | Japan | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Evgeny | Bondarenko | Russian Federation | CIS countries | Administration |
|  | Vice-Rapporteur | Ms | Neslihan | Cenk | Turkey | Europe | Türk Telekom |
| **Question 2/2** | **Co-Rapporteur** | Mr | Isao | Nakajima | Japan | Asia & Pacific | Administration |
| **Question 2/2** | **Co-Rapporteur** | Mr | Done-Sik | Yoo | Korea (Rep. of) | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Paul | Kiage | Kenya | Africa | Administration |
|  | Vice-Rapporteur | Ms | Lydia | Ouedraogo/Seneme | Burkina Faso | Africa | Administration |
|  | Vice-Rapporteur | Ms | Fatoumata | Samake | Mali | Africa | Administration |
|  | Vice-Rapporteur | Mr | Babou | Sarr | Senegal | Africa | Administration |
|  | Vice-Rapporteur | Ms | Carrelle | Toho Acclassato | Benin | Africa | Administration |
|  | Vice-Rapporteur | Mr | Gregory | Domond | Haiti | Americas | Administration |
|  | Vice-Rapporteur | Mr | Mayank | Mrinal | India | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Ms | Malina | Jordanova | Bulgaria | Europe | Administration |
|  | Vice-Rapporteur | Mr | John | Owuor | Sweden | Europe | Administration |
|  | Vice-Rapporteur | Mr | Leonid | Androuchko |  | World or Multi-Regional | Dominic Foundation |
| **Question 3/2** | **Co-Rapporteur** | Mr | Michael | Beirne | United States | Americas | Administration |
| **Question 3/2** | **Co-Rapporteur** | Mr | Dominique | Wurges | France | Europe | Administration |
|  | Vice-Rapporteur | Mr | Amine Adoum | Bakhit | Chad | Africa | Administration |
|  | Vice-Rapporteur | Mr | Mahamadou | Zarou | Mali | Africa | Administration |
|  | Vice-Rapporteur | Mr | Damnam Kanlanfei | Bagolibe | Togo | Africa | Administration |
|  | Vice-Rapporteur | Mr | Cissé | Kane |  | Africa | African Civil Society on the Information Society |
|  | Vice-Rapporteur | Mr | Jean David | Rodney | Haiti | Americas | Administration |
|  | Vice-Rapporteur | Ms | Jabin | Vahora | United States | Americas | Administration |
|  | Vice-Rapporteur | Mr | Karim | Hasnaou | Algeria | Arab States | Administration |
|  | Vice-Rapporteur | Ms | Sonam | Choki | Bhutan | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Ms | Miho | Naganuma | Japan | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Ms | Xinxin | Wan | China | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Jaesuk | Yun | Korea (Rep. of) | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Yakov | Gass | Russian Federation | CIS countries | Administration |
| **Question 4/2** | **Rapporteur** | Mr | Cheikh Tidjani | Oudaa | Mauritania | Arab States | Administration |
|  | Vice-Rapporteur | Mr | Ahmadou Dit | Adi Cisse | Mali | Africa | Administration |
|  | Vice-Rapporteur | Mr | Joseph | Onaya | Kenya | Africa | Administration |
|  | Vice-Rapporteur | Mr | Serigne Abdou | Lahatt Sylla | Senegal | Africa | Administration |
|  | Vice-Rapporteur | Mr | Brillant Harivony | Rakotoratsimanjefy | Madagascar | Africa | Administration |
|  | Vice-Rapporteur | Ms | Amel | Khiar | Algeria | Arab States | Administration |
| **Question 5/2** | **Co-Rapporteur** | Mr | Joseph | Burton | United States | Americas | Administration |
| **Question 5/2** | **Co-Rapporteur** | Mr | Sanjeev | Banzal | India | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Abdulkarim Ayopo | Oloyede | Nigeria | Africa | Administration |
|  | Vice-Rapporteur | Mr | Parag | Agrawal | India | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Hideo | Imanaka | Japan | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Joses | Jean Baptiste | Haiti | Americas | Administration |
| **Question 6/2** | **Co-Rapporteur** | Mr | Cissé | Kane |  | Africa | African Civil Society on the Information Society |
| **Question 6/2** | **Co-Rapporteur** | Ms | Aprajita | Sharrma | India | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Richard | Anago | Burkina Faso | Africa | Administration |
|  | Vice-Rapporteur | Ms | Amandine Kalima | Katanti | Dem. Rep. of the Congo | Africa | Administration |
|  | Vice-Rapporteur | Ms | Simone | Ferreira Ribeiro | Brazil | Americas | Administration |
|  | Vice-Rapporteur | Mr | Joses | Jean Baptiste | Haiti | Americas | Administration |
|  | Vice-Rapporteur | Mr | Yakov | Gass | Russian Federation | CIS countries | Administration |
|  | Vice-Rapporteur | Mr | Issa | Camara | Mali | Africa | Administration |
| **Question 7/2** | **Co-Rapporteur** | Mr | Tongning | Wu | China | Asia & Pacific | Administration |
| **Question 7/2** | **Co-Rapporteur** | Mr | Haim | Mazar | France | Europe | ATDI |
|  | Vice-Rapporteur | Mr | Enock | Gothias | Central African Rep. | Africa | Administration |
|  | Vice-Rapporteur | Ms | Aminata Niang | Diagne | Senegal | Africa | Administration |
|  | Vice-Rapporteur | Mr | R.M. | Chaturvedi | India | Asia & Pacific | Administration |
|  | Vice-Rapporteur | Mr | Gregory | Domond | Haiti | Americas | Administration |

Annex 2: ITU-D Study Group 2 work plan

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1. The SG2 2018 photos are available at <https://www.flickr.com/photos/itupictures/albums/72157690772925820>. [↑](#footnote-ref-2)
2. The BDT Director’s speech may be found at this hyperlink: https://www.itu.int/en/ITU-D/bdt-director/Pages/Speeches.aspx?ItemID=182. [↑](#footnote-ref-3)
3. The SG2 2019 photos are available at: <https://www.flickr.com/photos/itupictures/sets/72157677382093287>. [↑](#footnote-ref-4)
4. The BDT Director’s speech may be found at this hyperlink: <https://www.itu.int/en/ITU-D/bdt-director/Pages/Speeches.aspx?ItemID=206>. [↑](#footnote-ref-5)