

ITU Regional Workshop on the Future Utilization of UHF Band in the Arab Region

Marrakech – Morocco, 12 April 2018

WTDC-17 Outcomes

Buenos Aires, Argentina

9 - 20 October 2017

Presented by: Eng. Rouda AlAmir Ali

Programme Officer

Arab Regional Office

ITU



WTDC-17 in numbers

- **1,368 participants**, representing:
 - 134 Member States and Palestine
 - 83 public and private entities
 - 41 telecommunication-related entities
 - 22 regional and international organizations
 - 10 academia
 - United Nations and its Specialized Agencies
- **1,855 total registered number of participants**
- **287 proposals** received from the membership
- **450 documents** (Doc, INF, DT and DL) are dealt with.

Opening Ceremony/High-Level Segment

Opening Ceremony:

- Video address by **Mr Guterres**, UN Secretary General
- Message from **His Holiness Pope Francis**

High-level Segment:

- **4 plenary sessions** were dedicated to the High-Level Segment
- **53 speakers** addressed the conference, including 1 Deputy Prime Minister, ministers, deputy and vice ministers, ambassadors, chairmen, directors-general, executive directors of regulatory authorities and commissions, and secretaries-general and global executive directors from ITU-D member organizations.
- Message from **Dr Tedros**, Director General of WHO

25th Anniversary Celebrations

- **Ministerial roundtables** - 2 roundtables held on 11 October on the impact of ICTs for SDGs and the future of digital economy
- **Gala dinner** – on 11 October featuring a special interactive programme accompanied by several performances
- **Awards** to former BDT directors, ITU-D long-standing member and selected stakeholders
- ITU thanks **the sponsors**: Saudi Arabia (platinum), Qatar (gold), Burkina Faso, Cote d'Ivoire and MIC, Japan (silver), several Discretionary sponsors and WTDC-17 sponsors (lightning session, exhibitions)



Side Events

- Several side events organized during the conference:
 - ICT accessibility
 - ICT④SDGs in LDCs, LLDCs and SIDS
 - Private sector roundtable
 - Women in ICTs
 - Youth employment in the digital economy
 - Academia and ICT④SDGs
 - Digital transformation through innovation
 - Emergency telecoms
 - Cybersecurity
 - ICT for universal health coverage

Outcomes

- Declaration
- Strategic Plan
- Action Plan
- Regional Initiatives
- TDAG & ITU-D SGs Chairmen & Vice-Chairmen
- Study Group Questions
- New Resolutions
- Revised Resolutions
- Merged and/or Abrogated Resolutions

Declaration (1/2)

The WTDC declared the importance of specific actions to implement the following key concepts*:

- The fundamental contribution of telecomm./ICTs in attaining **WSIS Action Lines** and the **2030 Agenda for Sustainable Development**
- Role of **innovation**
- Exchange of **experiences and cooperation** among ITU membership and others
- **Connectivity** for underserved and unserved populations
- Promotion of **widespread, affordable access** to telecomm./ICTs
- Use of **new and emerging technologies/trends** in telecomm./ICTs

*Note: the list is not exhaustive

Declaration (2/2)

The WTDC declared the importance of specific actions to implement the following key concepts* (cont.):

- Development of **digital economy**
- Human and institutional **capacity building**
- Proper and comparable **indicators/statistics** and **ICT trend analysis**
- ICT needs of **women, girls, children, persons with disabilities**
- Building **trust, confidence** and **security** in telecomm./ICTs
- Promotion of public/private **investments** and **partnerships**
- Role of **regional initiatives**

*Note: the list is not exhaustive

Strategic Plan

ITU-D Contribution to the Draft Strategic Plan 2020-2023 (1/3)

Objectives

D.1 Coordination: Foster international cooperation and agreement on telecommunication/ICT development issues

D.2 Modern and secure telecommunication/ICT Infrastructure: Foster the development of infrastructure and services, including building confidence and security in the use of telecommunications/ICTs

D.3 Enabling Environment: Foster an enabling policy and regulatory environment conducive to sustainable telecommunication/ICT development

D.4 Inclusive Digital Society: Foster the development and use of telecommunications/ICTs and applications to empower people and societies for socio-economic development and environmental protection

Outcomes

D.1-1: Enhanced review and increased level of agreement on the draft ITU-D contribution to the draft ITU strategic plan, the WTDC Declaration, and the WTDC Action Plan.

D.2-1: Enhanced capacity of the ITU membership to make available resilient telecommunication/ICT infrastructure and services.

D.3-1: Strengthened capacity of Member States to enhance their policy, legal and regulatory frameworks conducive to development of telecomm. ICTs.

D-4-1: Improved access to and use of telecomm./ICT in LDCs, SIDs and LLDCs and countries with economies in transition.

D.1-2: Assessment of the implementation of the Action Plan and of the WSIS Plan of Action.

D.2-2: Strengthened capacity of Member States to effectively share info., find solutions, & respond to cyber threats & develop national cybersecurity strategies & capabilities...

D.3-2: Strengthened capacity of Member States to produce high-quality, internationally comparable ICT statistics...

D.4-2: Improved capacity of ITU Membership to accelerate economic & social dev. by leveraging & using new technologies & telecomm./ICT services & applications

ITU-D Contribution to the Draft Strategic Plan 2020-2023 (2/3)

Objectives

D.1 Coordination: Foster international cooperation and agreement on telecommunication/ICT development issues

D.2 Modern and secure telecommunication/ICT Infrastructure: Foster the development of infrastructure and services, including building confidence and security in the use of telecommunications/ICTs

D.3 Enabling Environment: Foster an enabling policy and regulatory environment conducive to sustainable telecommunication/ICT development

D.4 Inclusive Digital Society: Foster the development and use of telecommunications/ICTs and applications to empower people and societies for socio-economic development and environmental protection

Outcomes

D.1-3: Enhanced knowledge-sharing, dialogue and partnership among the ITU membership on telecomm./ICT issues.

D.2-3: Strengthened capacity of Member States to use telecomm./ICT for disaster risk reduction and emergency telecommunications.

D.3-3: Improved human and institutional capacity of ITU Membership to tap into the full potential of telecomm./ICTs.

D.4-3: Strengthened capacity of ITU Membership to develop strategies, policies and practices for digital inclusion...

D.1-4: Enhanced process and implementation of telecommunication/ICT development projects and regional initiatives.

D.3-4: Strengthened capacity of ITU Membership to integrate telecomm./ICT innovation in national development agendas...

D.4-4: Enhanced capacity of ITU Membership to develop ICT strategies and solutions on climate-change adaptation and mitigation...

ITU-D Contribution to the Draft Strategic Plan 2020-2023 (2/3)

Objectives

D.1 Coordination: Foster international cooperation and agreement on telecommunication/ICT development issues

D.2 Modern and secure telecommunication/ICT Infrastructure: Foster the development of infrastructure and services, including building confidence and security in the use of telecommunications/ICTs

D.3 Enabling Environment: Foster an enabling policy and regulatory environment conducive to sustainable telecommunication/ICT development

D.4 Inclusive Digital Society: Foster the development and use of telecommunications/ICTs and applications to empower people and societies for socio-economic development and environmental protection

Outcomes

D.1.5: Facilitation of agreement to cooperate on telecomm./ICT development programmes between Member States, and between Member States and other stakeholders in the ICT ecosystem, based on requests from ITU Member States involved.

Action Plan (BaAP) (1/2)

- ITU-D strategic plan includes **4 objectives** and **16 related outcomes**
- A **comprehensive** and **functional** instrument for achievement of ITU-D strategic Objectives
- The BaAP follows a **result-based structure**
- The BuAP delineates the ITU-D mandate for **2018-2021**
- The BaAP is linked to **WSIS action lines** and **Sustainable Development Goals and Targets**

Action Plan (BaAP) (2/2)

BaAP follows a **results-based** structure:

For each of the objectives, the following information is provided:

- **Title** of the objective
- **Outcomes** and related **performance indicators**
- **Outputs** and related **implementation frameworks**, including:
 - **Programmes**
 - **Regional initiatives**
 - **Study Group Questions**
- References to relevant PP resolutions, WTDC resolutions and recommendations, WSIS action lines and SDG and targets

Arab Regional Initiatives

- Environment, climate change and emergency telecommunications (ARB1)
- Confidence and security in the use of telecommunications/ICTs (ARB2)
- Digital financial inclusion (ARB3)
- Internet of Things, smart cities and big data (ARB4)
- Innovation and entrepreneurship (ARB5)

Criteria for New Regional Initiatives

The following criteria was used as a framework in formulating the Arab Regional Initiatives as discussed in the Regional Preparatory Meeting in 2017:

- Alignment with the mandate of the International Telecommunication Union
- Impact on people's lives
- Interest for a big number of countries in the region
- Contribution to the socioeconomic development of the region
- Ease of implementation through concrete projects
- Attractiveness to donors, partners and non-ITU stakeholders
- Alignment with SDGs and WSIS Action Lines

TDAG Chairman & Vice-Chairmen

Chairman, TDAG	Ms Roxanne McElvane Webber (United States)
Vice-Chairman, TDAG	Mr Christopher Kipkoech Kemei (Kenya)
Vice-Chairman, TDAG	Mr Abdulkarim Ayopo Oloyede (Nigeria)
Vice-Chairman, TDAG	Mr Hugo Darío Miguel (Argentina)
Vice-Chairman, TDAG	Ms Evelyn Katrina Naut Sención (Dominican Rep.)
Vice-Chairman, TDAG	Mr Al-Ansari Almashakbeh (Jordan)
Vice-Chairman, TDAG	Mr Tariq Al-Amri (Saudi Arabia)
Vice-Chairman, TDAG	Mr Kishore Babu GSC Yerraballa (India)
Vice-Chairman, TDAG	Mr Nguyen Quy Quyen (Viet Nam)
Vice-Chairman, TDAG	Ms Nurzat Boljobekova (Kyrgyzstan)
Vice-Chairman, TDAG	Mr Arseny Plossky (Russian Federation)
Vice-Chairman, TDAG	Mr Wim Rullens (Netherland)
Vice-Chairman, TDAG	Ms Blanca Gonzalez (Spain)

Study Group 1

Chairman & Vice-Chairmen

Chairman	Ms Regina Fleur Assoumou Bessou (Côte d'Ivoire)
Vice-Chairman	Mr Peter Ngwan Mbengie (Cameroon)
Vice-Chairman	Mr Amah Vinyo Capo (Togo)
Vice-Chairman	Mr Roberto Mitsuke Hirayama (Brazil)
Vice-Chairman	Mr Víctor Antonio Martínez Sánchez (Paraguay)
Vice-Chairman	Mr Ahmed Abdel Aziz Gad (Egypt)
Vice-Chairman	Ms Sameera Belal Momen Mohammad (Kuwait)
Vice-Chairman	Mr Yasuhiko Kawasumi (Japan)
Vice-Chairman	Mr Sangwon Ko (Korea (Rep. of))
Vice-Chairman	Mr Almaz K. Tilenbaev (Kyrgyzstan)
Vice-Chairman	Mr Vadym Kaptur (Ukraine)
Vice-Chairman	Ms Amela Odobasic (Bosnia and Herzegovina)
Vice-Chairman	Mr Krisztián Stefanics (Hungary)

Study Group 2

Chairman & Vice-Chairmen

Chairman	Mr Ahmad Reza Sharafat (Iran)
Vice-Chairman	Mr Roland Yaw Kudozia (Ghana)
Vice-Chairman	Mr Henry Chukwudumeme Nkemadu (Nigeria)
Vice-Chairman	Ms Celina Delgado Castellón (Nicaragua)
Vice-Chairman	Ms Nora Abdalla Hassan Basher (Sudan)
Vice-Chairman	Mr Nasser Al Marzouqi (UAE)
Vice-Chairman	Ms Ke Wang (China)
Vice-Chairman	Mr Ananda Raj Khanal (Nepal)
Vice-Chairman	Mr Yakov Gass (Russian Federation)
Vice-Chairman	Mr Tolibjon Oltinovich Mirzakulov (Uzbekistan)
Vice-Chairman	Mr Filipe Miguel Antunes Batista (Portugal)
Vice-Chairman	Mr Dominique Würges (France)

Study Groups Questions: Study Group 1

The Development of Enabling environment for telecommunications/ICTs

- **Question 1/1:** Strategies and policies for the deployment of broadband in developing countries
- **Question 2/1:** Strategies, policies, regulations and methods of migration and adoption of digital broadcasting and implementation of new services
- **Question 3/1:** Emerging technologies, including cloud computing: m-services, and OTTs: Challenges and opportunities, economic and policy impact for developing countries
- **Question 4/1:** Economic policies and methods of determining the costs of services related to national telecommunication/ICT networks
- **Question 5/1:** Telecommunications/ICTs for rural and remote areas
- **Question 6/1:** Consumer information, protection and rights: Laws, regulation, economic bases, consumer networks
- **Question 7/1:** Access to telecommunication/ICT services by persons with disabilities and other persons with specific needs

Study Groups Questions: Study Group 2

ICT services and applications for the promotion of sustainable development

- **Question 1/2:** Creating the smart cities and society: Employing ICTs for sustainable social and economic development
- **Question 2/2:** Telecommunications/ICTs for e-Health
- **Question 3/2:** Securing information and communication networks: Best practices for developing a culture of cybersecurity
- **Question 4/2:** Assistance to developing countries for implementing conformance and interoperability (C&I) programmes and combating counterfeit ICT equipment and theft of mobile devices
- **Question 5/2:** Utilizing telecommunications/ICTs for disaster risk reduction and management
- **Question 6/2:** ICTs and the environment
- **Question 7/2:** Strategies and policies concerning human exposure to electromagnetic fields

New Resolutions

New Resolutions	Title
DRAFT NEW RESOLUTION [PLEN-1]	Special assistance and support to the Government of Libya for rebuilding its telecommunication networks
DRAFT NEW RESOLUTION [COM3-1]	Combating mobile telecommunication device theft (Buenos Aires, 2017)
DRAFT NEW RESOLUTION [COM3-2]	Facilitating the Internet of Things and smart cities and communities for global development
DRAFT NEW RESOLUTION [COM4-1]	Use in the ITU Telecommunication Development Sector of the languages of the Union on an equal footing

Revised Resolutions (1/3)

Revised Resolutions	Title
RESOLUTION 1	Rules of procedure of the ITU Telecommunication Development Sector
RESOLUTION 2	Establishment of study groups
RESOLUTION 5	Enhanced participation by developing countries in the activities of the Union
RESOLUTION 8	Collection and dissemination of information and statistics
RESOLUTION 9	Participation of countries, particularly developing countries, in spectrum management
RESOLUTION 11	Telecommunication/information and communication technology services in rural, isolated and poorly served areas and indigenous communities
RESOLUTION 15	Applied research and transfer of technology
RESOLUTION 16	Special actions and measures for the least developed countries, small island developing states, landlocked developing countries and countries with economies in transition
RESOLUTION 17	Implementation of and cooperation on regionally approved regional initiatives at the national, regional, interregional and global levels
RESOLUTION 18	Special technical assistance to Palestine
RESOLUTION 20	Non-discriminatory access to modern telecommunication/information and communication technology facilities, services and related applications
RESOLUTION 21	Coordination and collaboration with regional and subregional organizations
RESOLUTION 22	Alternative calling procedures on international telecommunication networks, identification of origin in providing international telecommunication services

Revised Resolutions (2/3)

Revised Resolutions	Title
RESOLUTION 23	Internet access and availability for developing countries and charging principles for international Internet connection
RESOLUTION 25	Assistance to countries in special need: Afghanistan, Burundi, Central African Republic, Democratic Republic of the Congo, Eritrea, Ethiopia, Guinea, GuineaBissau, Haiti, Liberia, Rwanda, Sierra Leone, Somalia and Timor Leste
RESOLUTION 30	Role of the ITU Telecommunication Development Sector in implementing the outcomes of the World Summit on the Information Society, taking into account the 2030 Agenda for Sustainable Development
RESOLUTION 31	Regional preparations for world telecommunication development conferences
RESOLUTION 34	The role of telecommunications/information and communication technology in disaster preparedness, early warning, rescue, mitigation, relief and response
RESOLUTION 37	Bridging the digital divide
RESOLUTION 40	Group on capacity-building initiatives
RESOLUTION 43	Assistance in implementing International Mobile Telecommunications (IMT) and future networks
RESOLUTION 46	Assistance to indigenous peoples and communities through information and communication technology
RESOLUTION 47	Enhancement of knowledge and effective application of ITU Recommendations in developing countries including conformance and interoperability testing of systems manufactured on the basis of ITU Recommendations
RESOLUTION 48	Strengthening cooperation among telecommunication regulators
RESOLUTION 55	Mainstreaming a gender perspective for an inclusive and egalitarian information society
RESOLUTION 58	Telecommunication/information and communication technology accessibility for persons with disabilities and specific needs
RESOLUTION 59	Strengthening coordination and cooperation among the three ITU Sectors on matters of mutual interest
RESOLUTION 62	Assessment and measurement of human exposure to electromagnetic fields
RESOLUTION 63	IP address allocation and facilitating the transition to IPv6 deployment in the developing countries



Revised Resolutions (3/3)

Revised Resolutions	Title
RESOLUTION 64	Protecting and supporting users/consumers of telecommunication/ information and communication technology services
RESOLUTION 66	Information and communication technology and climate change
RESOLUTION 67	The role of the ITU Telecommunication Development Sector in child online protection
RESOLUTION 69	Facilitating creation of national computer incident response teams, particularly for developing countries, and cooperation between them
RESOLUTION 71	Strengthening cooperation between Member States, Sector Members, Associates and Academia of the ITU Telecommunication Development Sector and the evolving role of the private sector in the Development Sector
RESOLUTION 73	ITU Centres of Excellence
RESOLUTION 75	Implementation of the Smart Africa Manifesto and support for development of the information and communication technologies sector in Africa
RESOLUTION 76	Promoting information and communication technologies among young women and men for social and economic empowerment
RESOLUTION 77	Broadband technology and applications for greater growth and development of telecommunication/information and communication services and broadband connectivity
RESOLUTION 78	Capacity building for countering and combating misappropriation and misuse of ITU-T numbering resources
RESOLUTION 79	The role of telecommunications/information and communication technologies in combating and dealing with counterfeit telecommunication/information and communication devices
RESOLUTION 80	Establishing and promoting trusted information frameworks in developing countries to facilitate and encourage electronic exchanges of economic information between economic partners
RESOLUTION 81	Further development of electronic working methods for the work of the ITU Telecommunication Development Sector



Merged and/or Abrogated Resolutions

Merged and/or Abrogated resolutions	Title
RESOLUTION 32	International and regional cooperation on regional initiatives (Merged with Resolution 17)
RESOLUTION 35	Support for development of the African information and communication technology sector (Merged with Resolution 75)
RESOLUTION 39	Agenda for connectivity in the Americas and Quito Action Plan (Abrogated)
RESOLUTION 50	Optimal integration of information and communication technologies (Merged with Resolutions 37 and 54)
RESOLUTION 54	Information and communication technology applications (Merged with Resolutions 37 and 50)
RESOLUTION 68	Assistance to indigenous peoples within the activities of the Telecommunication Development Bureau in its related programmes (Merged with Resolution 46)

Provisional Final Report

World Telecommunication Development Conference (WTDC-17)

Buenos Aires, Argentina, 9-20 October 2017









Areas of **Action**

beyond WTDC-2017 (1/1)

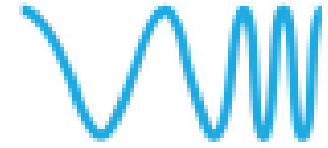
-  REGULATORY AND MARKET ENVIRONMENT
-  TECHNOLOGY & NETWORK DEVELOPMENT
-  SPECTRUM MANAGEMENT
-  BROADCASTING
-  CYBERSECURITY
-  DIGITAL INCLUSION

Areas of **Action**

beyond WTDC-2017 (1/2)

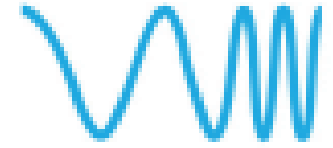
-  ICT STATISTICS & INDICATORS
-  ICTs TO TACKLE THE CHALLENGES OF CLIMATE CHANGE
-  ADDRESSING E-WASTE
-  LDCs, LLDCs & SIDS - Leaving no one behind
-  SAVING LIVES - EMERGENCY TELECOMMUNICATIONS
-  CAPACITY BUILDING AND SKILLS DEVELOPMENT

SPECTRUM MANAGEMENT



- BDT strengthened its role on **assisting national regulatory bodies** in frequency planning and assignment, management, spectrum monitoring, development of spectrum-management structures, procedures and tools, including new spectrum-sharing approaches, spectrum-management assessments .
- Continuing to maintain, update and expand the **Spectrum Management System for Developing Countries** (SMS4DC) software;
- Strengthened the BDT role in **providing assistance on spectrum fee** regimes, including direct assistance in the establishment of such regimes; in the harmonization of regional spectrum allocations, including coordination procedures in border areas; and in the optimization and cost-effective use of spectrum-monitoring systems and networks.

BROADCASTING



- Extended roles of BDT for providing assistance in transition from analogue to digital terrestrial television broadcasting, introduction of new broadcasting services and allocation of the digital dividend.
- Recognized importance of providing assistance on policy and regulatory frameworks for digital terrestrial broadcasting, including frequency planning and optimization of spectrum use;
- Raised awareness by organizing regional meetings between ITU members on the use of spectrum for broadcasting services and other services.

WTDC Resolutions Related to Spectrum Management

- **WTDC Resolution 9** (Rev. Buenos Aires, 2017): Participation of countries, particularly developing countries, in spectrum management
- **WTDC Resolution 43** (Rev. Buenos Aires, 2017): Assistance in implementing International Mobile Telecommunications (IMT) and future networks
- **WTDC Resolution 59** (Rev. Buenos Aires, 2017): Strengthening coordination and cooperation among the three ITU Sectors on matters of mutual interest

WTDC Resolution 9 (Rev. Buenos Aires, 2017)

- As results of WTDC 17, a number of Resolutions of mutual interest with BR have been revised.
- In particular, the **Resolution 9 "Participation of countries, particularly developing countries, in spectrum management"**, which is aimed to ensure the cooperation between **ITU-R** and **ITU-D** on implementation of the ITU-R Study Group 1 studies and decisions in the field of the spectrum management on the national level, was revised.
- **Resolution 9** revised by WTDC -17 contains an invitation for the Director of the Radiocommunication Bureau (BR) to continue to ensure that ITU-R continues the collaboration with ITU-D in the implementation of Resolution 9.



Preliminary list of ITU-R SG 1 studies that might be of interest for the developing countries in response to the **WTDC-17 Resolution 9**

- ITU-R Handbook on Computer-aided Techniques for Spectrum Management (CAT) (2015).
<http://www.itu.int/pub/R-HDB-01>
- ITU-R Handbook on National Spectrum Management (2015).
<http://www.itu.int/pub/R-HDB-21>
- ITU-R Handbook on Spectrum Monitoring (2011).
<http://www.itu.int/pub/R-HDB-23>
- Recommendation ITU-R SM.1047 - National spectrum management (2012).
<https://www.itu.int/rec/R-REC-SM.1047/en>
- Recommendation ITU-R SM.1050 - Tasks of a monitoring service (2004).
<https://www.itu.int/rec/R-REC-SM.1050/en>
- Recommendation ITU-R SM.1054 - Monitoring of radio emissions from spacecraft at monitoring stations (1994).
<https://www.itu.int/rec/R-REC-SM.1054/en>
- Recommendation ITU-R SM.1056 - Limitation of radiation from industrial, scientific and medical (ISM) equipment (2007).
<https://www.itu.int/rec/R-REC-SM.1056/en>
- Recommendation ITU-R SM.1132 - General principles and methods related to spectrum sharing (2001).
<https://www.itu.int/rec/R-REC-SM.1132/en>
- Recommendation ITU-R SM.1265 - National alternative allocation methods (2001).
<https://www.itu.int/rec/R-REC-SM.1265/en>



Preliminary list of ITU-R SG 1 studies that might be of interest for the developing countries in response to the **WTDC-17 Resolution 9**

- Recommendation ITU-R SM.1370 - Design guidelines for developing automated spectrum management systems (2013). <http://www.itu.int/rec/R-REC-SM.1370/en>
- Recommendation ITU-R SM.1392 - Essential requirements for a spectrum monitoring system for developing countries (2011). <http://www.itu.int/rec/R-REC-SM.1392/en>
- Recommendation ITU-R SM.1394 - Common format for Memorandum of Understanding between the agreeing countries regarding cooperation in spectrum monitoring matters (1999). <https://www.itu.int/rec/R-REC-SM.1394/en>
- Recommendation ITU-R SM.1413 - Radiocommunication Data Dictionary for notification and coordination purposes (2017). <https://www.itu.int/rec/R-REC-SM.1413/en>
- Recommendation ITU-R SM.1448 - Determination of the coordination area around an earth station in the frequency bands between 100 MHz and 105 GHz (2000). <https://www.itu.int/rec/R-REC-SM.1448/en>
- Recommendation ITU-R SM.1537 - Automation and integration of spectrum monitoring systems with automated spectrum management (2013). <https://www.itu.int/rec/R-REC-SM.1537/en>
- Recommendation ITU-R SM.1599 - Determination of the geographical and frequency distribution of the spectrum utilization factor for frequency planning purposes (2007). <https://www.itu.int/rec/R-REC-SM.1599/en>
- Recommendation ITU-R SM.1603 - Spectrum redeployment as a method of national spectrum management. Geneva, 2014. <http://www.itu.int/rec/R-REC-SM.1603>
- Recommendation ITU-R SM.1604 - Guidelines for an upgraded spectrum management system for developing countries. Geneva, 2003. <https://www.itu.int/rec/R-REC-SM.1604/en>
- Recommendation ITU-R SM.1723 - Mobile spectrum monitoring unit (2011). <https://www.itu.int/rec/R-REC-SM.1723/en>



Preliminary list of ITU-R SG 1 studies that might be of interest for the developing countries in response to the **WTDC-17 Resolution 9**

- Recommendation ITU-R SM.1751 - An additional methodology for the evaluation of the effect of interference between radiocommunication networks operating in a shared frequency band (2006). <https://www.itu.int/rec/R-REC-SM.1751/en>
- Recommendation ITU-R SM.1756 - Framework for the introduction of devices using ultra-wideband technology (2006). <https://www.itu.int/rec/R-REC-SM.1756/en>
- Recommendation ITU-R SM.1875 - DVB-T coverage measurements and verification of planning criteria (2014). <https://www.itu.int/rec/R-REC-SM.1875/en>
- Recommendation ITU-R SM.1880 - Spectrum occupancy measurement and evaluation (2017). <https://www.itu.int/rec/R-REC-SM.1880/en>
- Recommendation ITU-R SM.1896 - Frequency ranges for global or regional harmonization of short-range devices (SRDs) (2011). <https://www.itu.int/rec/R-REC-SM.1896/en>
- Recommendation ITU-R SM.2039 - Spectrum monitoring evolution (2013). <https://www.itu.int/rec/R-REC-SM.2039/en>
- Recommendation ITU-R SM.2103 - Global harmonization of SRD categories (2017). <https://www.itu.int/rec/R-REC-SM.2103/en>
- Recommendation ITU-R SM.2110 - Frequency ranges for operation of non-beam Wireless Power Transmission (WPT) systems (2017). <https://www.itu.int/rec/R-REC-SM.2110/en>
- Report ITU-R SM.2012 - Economic aspects of spectrum management (2016). <http://www.itu.int/pub/R-REP-SM.2012>
- Report ITU-R SM.2015 - Methods for determining national long-term strategies for spectrum utilization (1998). <http://www.itu.int/pub/R-REP-SM.2015>
- Report ITU-R SM.2093 - Guidance on the regulatory framework for national spectrum management (2015). <http://www.itu.int/pub/R-REP-SM.2093>
- Report ITU-R SM.2130 - Inspection of radio stations (2017). <http://www.itu.int/pub/R-REP-SM.2130>



Preliminary list of ITU-R SG 1 studies that might be of interest for the developing countries in response to the **WTDC-17 Resolution 9**

- Report ITU-R SM.2153 - Technical and operating parameters and spectrum requirements for short-range radiocommunication devices (2017). <http://www.itu.int/pub/R-REP-SM.2153>
- Report ITU-R SM.2156 - The role of spectrum monitoring in support of inspections (2009). <http://www.itu.int/pub/R-REP-SM.2156>
- Report ITU-R SM.2181 - Use of Appendix 10 of the Radio Regulations to convey information related to emissions from both GSO and non-GSO space stations including geolocation information (2010). <http://www.itu.int/pub/R-REP-SM.2181>
- Report ITU-R SM.2255 - Technical characteristics, standards and frequency bands of operation for radio-frequency identification (RFID) and potential harmonization opportunities (2012). <http://www.itu.int/pub/R-REP-SM.2255>
- Report ITU-R SM.2256 - Spectrum occupancy measurements and evaluation (2016). <http://www.itu.int/pub/R-REP-SM.2256>
- Report ITU-R SM.2257 - Spectrum management and monitoring during major events (2015). <http://www.itu.int/pub/R-REP-SM.2257>
- Report ITU-R SM.2351 - Smart grid utility management systems (2017). <http://www.itu.int/pub/R-REP-SM.2351>
- Report ITU-R SM.2353 - The challenges and opportunities for spectrum management resulting from the transition to digital terrestrial television in the UHF bands (2015). <http://www.itu.int/pub/R-REP-SM.2353>
- Report ITU-R SM.2356 - Procedures for planning and optimization of spectrum-monitoring networks in the VHF/UHF frequency range (2015). <http://www.itu.int/pub/R-REP-SM.2356>
- Report ITU-R SM.2404 - Regulatory tools to support enhanced shared use of the spectrum (2017). <https://www.itu.int/pub/R-REP-SM.2404>
- Report ITU-R SM.2405 - Spectrum management principles, challenges and issues related to dynamic access to frequency bands by means of radio systems employing cognitive capabilities (2017). <https://www.itu.int/pub/R-REP-SM.2405>



Lists the WRC -15 Resolutions which have special interests of the developing countries and request ITU-D/BDT actions

- **RESOLUTION 5 (REV.WRC-15):** Technical cooperation with the developing countries in the study of propagation in tropical and similar areas
- **RESOLUTION 12 (WRC-15):** Assistance and support to Palestine
- **RESOLUTION 49 (REV.WRC 15):** Administrative due diligence applicable to some satellite radiocommunication services
- **RESOLUTION 55 (REV.WRC 15):** Electronic submission of notice forms for satellite networks, earth stations and radio astronomy stations
- **RESOLUTION 81 (REV.WRC-15):** Evaluation of the administrative due diligence procedure for satellite networks
- **RESOLUTION 144 (REV.WRC-15):** Special requirements of geographically small or narrow countries operating earth stations in the fixed-satellite service in the band 13.75-14 GHz
- **RESOLUTION 160 (WRC 15):** Facilitating access to broadband applications delivered by high-altitude platform stations
- **RESOLUTION 207 (REV.WRC-15):** Measures to address unauthorized use of and interference to frequencies in the bands allocated to the maritime mobile service and to the aeronautical mobile (R) service
- **RESOLUTION 212 (REV.WRC 15):** Implementation of International Mobile Telecommunications in the frequency bands 1 885-2 025 MHz and 2 110-2 200 MHz
- **RESOLUTION 223 (REV.WRC 15):** Additional frequency bands identified for International Mobile Telecommunications
- **RESOLUTION 224 (REV.WRC 15):** Frequency bands for the terrestrial component of International Mobile Telecommunications below 1 GHz. It especially invites the Director of the Telecommunication Development Bureau to draw the attention of the ITU Telecommunication Development Sector to this resolution.
- **RESOLUTION 235 (WRC-15):** Review of the spectrum use of the frequency band 470-960 MHz in Region 1
- **RESOLUTION 236 (WRC-15):** Railway radiocommunication systems between train and trackside



Lists the WRC -15 Resolutions which have special interests of the developing countries and request ITU-D/BDT actions

- **RESOLUTION 238 (WRC 15):** Studies on frequency-related matters for International Mobile Telecommunications identification including possible additional allocations to the mobile services on a primary basis in portion(s) of the frequency range between 24.25 and 86 GHz for the future development of International Mobile Telecommunications for 2020 and beyond
- **RESOLUTION 535 (REV.WRC-15):** Information needed for the application of Article 12 of the Radio Regulations
- **RESOLUTION 552 (REV.WRC 15):** Long-term access to and development in the frequency band 21.4-22 GHz in Regions 1 and 3
- **RESOLUTION 553 (REV.WRC 15):** Additional regulatory measures for broadcasting-satellite networks in the frequency band and 21.4-22 GHz in Regions 1 and 3 for the enhancement of equitable access to this frequency band
- **RESOLUTION 555 (REV.WRC 15):** Additional regulatory provisions for broadcasting-satellite service networks in the frequency band 21.4-22 GHz in Regions 1 and 3 for the enhancement of equitable access to this frequency band
- **RESOLUTION 646 (REV.WRC 15):** Public protection and disaster relief
- **RESOLUTION 647 (REV.WRC 15):** Radiocommunication aspects, including spectrum management guidelines, for early warning, disaster prediction, detection, mitigation and relief operations relating to emergencies and disasters
- **RESOLUTION 655 (WRC-15):** Definition of time scale and dissemination of time signals via radiocommunication systems
- **RESOLUTION 760 (WRC 15):** Provisions relating to the use of the frequency band 694-790 MHz in Region 1 by the mobile, except aeronautical mobile, service and by other services
- **RESOLUTION 809 (WRC 15):** Agenda for the 2019 World Radiocommunication Conference
- **RESOLUTION 810 (WRC 15):** Preliminary agenda for the 2023 World Radiocommunication Conference
- **RESOLUTION 906 (REV.WRC-15):** Electronic submission of notices for terrestrial services to the Radiocommunication Bureau and exchange of data between administrations
- **RECOMMENDATION 207 (REV.WRC-15):** Future IMT systems



Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 2	Establishment of study groups	-----
Resolution 5	Enhanced participation by developing countries in the activities of the Union	<p>further instructs the Director of the Telecommunication Development Bureau</p> <p>1) in close collaboration with the Directors of the Radiocommunication and Telecommunication Standardization Bureaux, to consider and implement the best ways and means to assist developing countries in preparing for and participating actively in the work of the three Sectors, and notably in the Sector advisory groups, assemblies and conferences and in the study groups of relevance to developing countries, particularly in relation to the work of the ITU-T study groups, in line with the resolutions mentioned under</p> <p>invites the Director of the Radiocommunication Bureau and the Director off the Telecommunication Standardization Bureau to encourage meetings to be held outside Geneva where this will facilitate greater participation of local experts from countries and regions distant from Geneva</p>
Resolution 8	Collection and dissemination of information and statistics	
Resolution 9	Participation of countries, particularly developing countries, in spectrum management	See Later in details

Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 10	Financial support for national spectrum-management programmes (not revised)	<p>Resolves</p> <p>2) to continue to invite the Telecommunication Development Bureau (BDT) to provide, in its budget, for the holding of an annual meeting to study the question of national spectrum management, in full coordination with the Radiocommunication Bureau (BR), within the activities of Programme 1, at the regional and international levels; requests the Telecommunication Development Bureau to bring this resolution to the attention of relevant international and regional financing and development organizations invites the Director of the Radiocommunication Bureau to continue the cooperation with BDT in developing the national spectrum management system for developing countries (SMS4DC), and training therein,</p>
Resolution 11	Telecommunication/information and communication technology services in rural, isolated and poorly served areas and indigenous communities	<p>instructs the Director of the Telecommunication Development Bureau, in collaboration with the Director of the Radiocommunication Bureau and the Director of the Telecommunication Standardization Bureau</p> <p>1) to continue supporting the studies undertaken in response to this resolution;</p> <p>2) to promote further the use of all appropriate means of telecommunication/ICT to facilitate effective development and implementation of telecommunication/ICT services in rural, isolated and poorly served areas and indigenous communities of the world through the relevant programmes;</p> <p>3) to continue efforts to promote the optimum use by developing countries of all available new telecommunication/ICT services provided by satellite and terrestrial systems to serve these areas and communities;</p> <p>4) to coordinate efforts on supporting governments for the development of telecommunication/ICT services in rural, isolated and poorly served areas and indigenous communities;</p> <p>5) to provide assistance to Member States so they can identify and develop policies, mechanisms and regulatory initiatives to reduce the digital divide by promoting the deployment and adoption of broadband;</p> <p>6) to consolidate and disseminate information through seminars, workshops and online spaces such as webinars to exchange national experiences on the roll-out and operation of broadband networks in rural, isolated and poorly served areas and indigenous communities, with special</p>

Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 15	Applied research and transfer of technology	<p>instructs the Director of the Telecommunication Development Bureau, in collaboration with the Director of the Radiocommunication Bureau and the Director of the Telecommunication Standardization Bureau in cooperation with international, regional and subregional organizations concerned, taking into account the documents adopted by the first and second phases of WSIS:</p> <p>1) to continue to hold specialized seminars, workshops or training in the field of telecommunications/ICTs in order to raise the technological level in developing countries;</p>
Resolution 16	Special actions and measures for the least developed countries, small island developing states, landlocked developing countries and countries with economies in transition	
Resolution 17	Implementation of and cooperation on regionally approved regional initiatives at the national, regional, interregional and global levels	<p>in consultation and coordination with the Directors of the Radiocommunication and Telecommunication Standardization Bureaux, to promote the joint work of the three Sectors in order to provide suitable, efficient, agreed assistance for Member States to implement the regional initiatives</p>



Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 18	Special technical assistance to Palestine	instruct BDT, in coordination with the Radiocommunication Bureau, to prepare and implement an urgent plan, to commence immediately, assist Palestine in completing the process of transition and migration to digital terrestrial television broadcasting in the frequency band 470-694 MHz, and identify mechanisms for ensuring that Palestine can exploit the 694-862 MHz frequency band resulting from the digital transition for broadband mobile service uses and applications to be used after the world radiocommunication conference 2015;
Resolution 20	Non-discriminatory access to modern telecommunication/information and communication technology facilities, services and related applications	
Resolution 21	Coordination and collaboration with regional and subregional organizations	instructs the Director of the Telecommunication Development Bureau, in collaboration with the Directors of the Radiocommunication Bureau and the Telecommunication Standardization Bureau within the allocated or contributed resources that are available, 1) to provide all necessary support for creating and ensuring smooth functioning of the regional groups; 2) to consider, whenever possible, holding conferences and workshops concurrently with meetings of the ITU-T regional groups, in the relevant regions, and vice versa; 3) to take all necessary measures to facilitate the organization of meetings and conferences/workshops of the regional groups.

Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 25	Assistance to countries in special need: Afghanistan, Burundi, Central African Republic, Democratic Republic of the Congo, Eritrea, Ethiopia, Guinea, Guinea-Bissau, Haiti, Liberia, Rwanda, Sierra Leone, Somalia and Timor Leste	resolves that the special action initiated by the Secretary-General and the Director of BDT, with specialized assistance from the ITU Radiocommunication Sector and the ITU Telecommunication Standardization Sector, should be continued in order to provide appropriate assistance and support to countries that have suffered from natural disasters, domestic conflicts or wars, namely Afghanistan, Burundi, Central African Republic, Democratic Republic of the Congo, Eritrea, Ethiopia, Guinea, Guinea-Bissau, Haiti, Liberia, Rwanda, Sierra Leone, Somalia and Timor-Leste, in rebuilding their telecommunication networks, as and when the conditions of order and security sought by United Nations resolutions are met;
Resolution 26	Assistance to countries in special need: Afghanistan (not revised)	Resolves that the special action initiated by the Secretary-General and the Director of BDT, with specialized assistance from the ITU Radiocommunication Sector and the ITU Telecommunication Standardization Sector, should be continued in order to provide assistance and support to Afghanistan in rebuilding its telecommunication infrastructure, establishing institutions for the sector, developing telecommunication legislation and regulatory framework, including numbering plan, spectrum management, tariff and human resource development and all other forms of assistance
Resolution 30	Role of the ITU Telecommunication Development Sector in implementing the outcomes of the World Summit on the Information Society, taking into account the 2030 Agenda for SD	instructs the Director of the Telecommunication Development Bureau 4) in close collaboration with the Directors of the Radiocommunication Bureau and the Telecommunication Standardization Bureau, to take account of the impact of ITU's work related to digital transformation, which fosters sustainable growth of the digital economy, in line with the WSIS stocktaking process, and provide assistance to membership upon request:

Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 34	The role of telecommunications/information and communication technology in disaster preparedness, early warning, rescue, mitigation, relief and response	<p>Recalling</p> <p>i) that Resolution 647 (Rev.WRC-15) likewise invites the Director of the Telecommunication Standardization Bureau (TSB) and the Director of the Telecommunication Development Bureau (BDT) to collaborate closely with the Director of BR to ensure that a consistent and coherent approach is adopted in the development of strategies in response to emergency and disaster situations;</p> <p>resolves to instruct the Director of the Telecommunication Development Bureau</p> <p>1) to continue to ensure that priority consideration is given to emergency communications as an element of telecommunication/ICT development, including continued close coordination and collaboration with ITU-R and ITU-T and relevant international organizations, and that coordination with BR must take into consideration the outcomes of studies, especially those mentioned in Resolutions 646 (Rev. WRC-15) and 647 (Rev. WRC-15), which provide for harmonized models for PPDR network</p> <p>5) to promote, in close collaboration with ITU-R and ITU-T, the implementation of early-warning systems, and emergency information broadcasting, for example audio and TV broadcasting, mobile messages, etc., taking into account persons with disabilities and specific needs;</p> <p>invites</p> <p>7) ITU-D to take account of the work of ITU-R study groups and dedicated working groups, considering the increased use of mobile and portable communication devices which can be used by first responders to transmit and receive critical information;</p>



Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 37	Bridging the digital divide	<p>resolves that BDT, in collaboration with the Telecommunication Standardization Bureau and the Radiocommunication Bureau, continue to adopt the necessary measures to implement regional projects derived from the non exclusive integration models which it has acquired, to link all stakeholders, organizations and institutions of the various sectors in an ongoing relationship of cooperation in which information is disseminated over networks, so as to narrow the digital divide in line with the outputs of Phases 1 and 2 of WSIS,</p> <p>resolves to request the Director of the Telecommunication Development Bureau</p> <p>16) to promote the implementation of studies or projects and activities, in collaboration with the ITU Radiocommunication Sector (ITU-R), with a view, on the one hand, to complementing national radiocommunication systems, including satellite systems, and, on the other, to increasing knowledge and capacities thereof, in order to achieve optimum utilization of the radiofrequency resource, particularly the digital dividend, and of the orbit/spectrum resource, with the aim of stimulating satellite broadband development and coverage for bridging the digital divide;</p> <p>17) to analyse the adoption of measures for collaboration with ITU-R, in order to support studies, projects or systems and, at the same time, to implement joint activities which seek to build capacities in efficient use of the orbit/spectrum resource for the provision of satellite services, with a view to achieving affordable access to satellite broadband and facilitating network connectivity between different areas, countries and regions, especially in the developing countries;</p>

Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 43	Assistance in implementing International Mobile Telecommunications (IMT) and future networks	<p>instructs the Director of the Telecommunication Development Bureau in close collaboration with the Directors of the Radiocommunication Bureau (BR) and the Telecommunication Standardization Bureau (TSB), as well as the relevant regional telecommunication organizations:</p> <ol style="list-style-type: none"> 1) to continue to involve the membership in activities to define and establish priorities with regard to challenges pertaining to the deployment of IMT and future networks, especially in developing countries; 2) to provide assistance to developing countries in their planning and optimization of spectrum usage for the medium to long term for the implementation of IMT, taking into account national and regional specificities and needs; 3) to continue encouraging and assisting developing countries to implement IMT systems and future networks using the relevant ITU Recommendations and studies carried out by the ITU study groups, taking into account the need to protect existing services; 4) to devote particular attention to work on questions related to the technologies and the radiocommunication standards recommended by ITU, in order to meet national requirements for the implementation of IMT in the short, medium and long term, with a view to encouraging the use of harmonized spectrum and associated band plans and standards to achieve economies of scale; 5) to disseminate as widely as possible the above-mentioned guidelines and amendments thereto, which are recommended to be used for the evolution of existing networks to IMT-2020 and future networks; 6) to provide assistance to administrations on the use and interpretation of ITU Recommendations relating to IMT and future networks adopted by both ITU-R and ITU-T; 7) to conduct seminars, workshops or training on strategic planning for the transition from networks operated primarily to IMT and future networks, taking into account specific national and regional requirements and characteristics; <p>invites the study groups of the ITU Telecommunication Development Sector</p> <ol style="list-style-type: none"> 1) to take into account the contents of this updated resolution when conducting studies, and to maintain close cooperation in this matter with ITU-R study groups;



Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 45	Mechanisms for enhancing cooperation on cybersecurity, including countering and combating spam (Not revised)	<p>invites the Secretary-General, in coordination with the Directors of the Radiocommunication Bureau, the Telecommunication Standardization Bureau and the Telecommunication Development Bureau</p> <ol style="list-style-type: none"> 1) to report on MoUs between countries, as well as existing forms of cooperation, providing analysis of their status, scope and applications of these cooperative mechanisms to strengthen cybersecurity and combat cyberthreats, with a view to enabling Member States to identify whether additional memoranda or mechanisms are required; 2) to support regional and global cybersecurity projects, such as IMPACT, FIRST, OAS, APCERT, among others, and to invite all countries, particularly developing ones, to take part in these activities,
Resolution 47	Enhancement of knowledge and effective application of ITU Recommendations in developing countries including conformance and interoperability testing of systems manufactured on the basis of ITU Recommendations	<p>resolves</p> <ol style="list-style-type: none"> 1) to continue engaging in activities to enhance knowledge and effective application of ICT standards, including ITU-R and ITU-T Recommendations, in developing countries; 2) to enhance efforts to introduce best practice and share experiences on the application of ICT standards, including ITU-R and ITU-T Recommendations, in, for example, but not limited to, fibre-optic transmission technology, broadband network technology, International Mobile Telecommunications, next-generation networks and emerging technologies, including IoT, and building confidence and security in the use of ICTs, by organizing training courses and workshops especially for developing countries, involving academia in the process; 3) to evaluate the benefits of using equipment tested in accordance with ITU-T and ITU-R Recommendations, particularly in developing countries, and share necessary information and recommendations to avoid losses, based on best practices, <p>instructs the Director of the Telecommunication Development Bureau, in close collaboration with the Directors of the Telecommunication Standardization Bureau and the Radiocommunication Bureau</p> <ol style="list-style-type: none"> 1) to continue to encourage the participation of developing countries in training courses and workshops organized by ITU-D, so as to introduce best practices and to share experience in the application of ICT standards, including ITU-R and ITU-T Recommendations; 16) to continue fostering the participation of developing countries in training courses and workshops organized by ITU-D to introduce suitable practices for implementing ICT standards, including ITU-R and ITU-T Recommendations;

Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 48	Strengthening cooperation among telecommunication regulators	
Resolution 57	Assistance to Somalia (not changed)	<p>resolves that special action be initiated by the Secretary-General and the Director of the Telecommunication Development Bureau, with specialized and increased assistance from the ITU Telecommunication Standardization Sector and the ITU Radiocommunication Sector, resulting in the launch of a special initiative with funds allocated, within available budgetary resources, aimed at providing assistance and support to Somalia in rebuilding and modernizing its telecommunication infrastructure and in training activities</p>
Resolution 58	Telecommunication/information and communication technology accessibility for persons with disabilities and specific needs	<p>instructs the Director of the Telecommunication Development Bureau 5) to collaborate with the Radiocommunication Bureau (BR) and the Telecommunication Standardization Bureau (TSB) on accessibility-related activities, particularly in creating awareness and mainstreaming telecommunication/ICT accessibility policies, as well as creating programmes that enable countries to introduce services which allow persons with disabilities and specific needs to utilize ICT services effectively, reporting the findings to the ITU Council, as appropriate, in both cases;</p> <p>further instructs the Director of the Telecommunication Development Bureau 5) to identify, within the study groups, taking into account the financial implications, new accessible software, services and solutions to enable all persons with disabilities and persons with specific needs to effectively use telecommunication/ICT services, on the basis of contributions from the Member States and Sector Members, as well as the ITU T and ITU R study groups, as appropriate</p>



Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 59	Strengthening coordination and cooperation among the three ITU Sectors on matters of mutual interest	<p>resolves</p> <p>1) that the Telecommunication Development Advisory Group (TDAG) and the Director of the Telecommunication Development Bureau (BDT) shall continue to cooperate actively with the Radiocommunication Advisory Group (RAG) and the Director of the Radiocommunication Bureau (BR) and with the Telecommunication Standardization Advisory Group (TSAG) and the Director of the Telecommunication Standardization Bureau (TSB), as called for by Resolution 191 (Rev. Busan, 2014);</p> <p>2) to invite TDAG, in collaboration with RAG and TSAG, to assist in identifying subjects common to the three Sectors, or, bilaterally, subjects common to ITU-D and either ITU-R or ITU-T, and in identifying the necessary mechanisms to strengthen cooperation and joint activity among the three Sectors or with each Sector, on issues of joint interest, paying particular attention to the interests of the developing countries, including through the establishment of the intersectoral coordination team on issues of mutual interest;</p> <p>3) to invite the Director of BDT, in collaboration with the Secretary-General, the Director of TSB and the Director of BR, to continue to create cooperation mechanisms at secretariat level on matters of mutual interest to the three Sectors, and also to invite the Director of BDT to create a mechanism for bilateral cooperation with ITU-R and ITU-T, as required;</p> <p>invites</p> <p>2) the Directors of BR, TSB and BDT to report to the respective Sector advisory groups on options for improving cooperation at the secretariat level to ensure that close coordination is maximized,</p> <p>instructs</p> <p>1) the ITU-D study groups to continue cooperation with the study groups of the other two Sectors so as to avoid duplication of effort and make use of the results of work done by the study groups of those two Sectors;</p> <p>2) the Director of BDT, in cooperation with the Director of TSB and the Director of BR, to provide an annual report to ITU-D study groups on the latest development in the activities of ITU-T and ITU-R study groups;</p>

Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 60	Assistance to countries in special situations: Haiti (no change)	<p>resolves that the special action initiated by the Secretary-General and the Director of BDT, with specialized assistance from the ITU Radiocommunication Sector and the ITU Telecommunication Standardization Sector, should be continued in order to provide assistance and support to Haiti in rebuilding its telecommunication/ information and communication technology (ICT) infrastructure, establishing appropriate institutions, human capacity building, developing telecommunication legislation and a regulatory framework and harnessing the recognized potential of telecommunications/ICTs for the country's socio-economic and cultural development</p>
Resolution 62	Assessment and measurement of human exposure to electromagnetic fields	<p>resolves to instruct the Director of the Telecommunication Development Bureau in response to the needs of the developing countries and consistent with the substance of Resolution 72 (Rev. Hammamet, 2016), and in close cooperation with the Director of the Radiocommunication Bureau (BR) and Director of the Telecommunication Standardization Bureau (TSB)</p> <p>3) to ensure that those responsible for ITU-D Output 2.1 determine the requirements of developing countries and their regulatory authorities (at regional level) in relation to this resolution, contribute to studies on this subject, take an active part in the work of the relevant ITU-R and ITU-T study groups, and submit written contributions on the results of their work in this regard, plus any proposals they deem necessary, to ITU-D Study Group 2; with ITU-T Study Group 5 and ITU-R Study Groups 1, 4, 5 and 6, in order to achieve the following goals:</p> <ul style="list-style-type: none"> ii) contribute to the organization of seminars, workshops or training on the subject of EMF; iii) ensure wide dissemination of ITU publications and literature on EMF issues;



Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 64	Protecting and supporting users/consumers of telecommunication/information and communication technology services	<p>to instruct the Director of the Telecommunication Development Bureau in collaboration with the Directors of the Radiocommunication Bureau and the Telecommunication Standardization Bureau</p> <p>1) to continue to support work aimed at raising awareness among decision makers regarding telecommunications/ICTs as well as among regulatory agencies regarding the importance of keeping users and consumers informed about the basic characteristics, quality, security and rates of the different services offered by operators, and at creating other protection mechanisms to facilitate the exercise of consumers' and users' rights;</p> <p>5) to organize training programmes, such as workshops and seminars, in order to analyse best practices, to encourage training in consumer education, education for sustainable consumption and data protection, and to formulate possible recommendations about tools and measures that foster the protection of users and consumers,</p>
Resolution 66	Information and communication technology and climate change	<p>resolves</p> <p>1) to give priority to ITU D activities in this area and to providing the necessary support, while ensuring appropriate coordination among the three ITU Sectors on a full range of issues, including, for example, studies on the impact of non-ionizing radiation;</p> <p>instructs the Director of the Telecommunication Development Bureau, in collaboration with the Directors of the other Bureaux</p> <p>1) to formulate a plan of action for the role of ITU D in this regard, taking into account the role of the other two Sectors;</p> <p>2) to ensure that the plan of action is implemented under the relevant objective of the Buenos Aires Action Plan dealing with ICTs and climate change, taking into account the needs of developing countries, and cooperating closely with the study groups of the other two Sectors and with ITU D Study Group 2 in its implementation of the relevant Questions on ICTs and climate change;</p> <p>4) to organize, in close collaboration with the Directors of the Radiocommunication Bureau and the Telecommunication Standardization Bureau and with other competent bodies, workshops, seminars and training courses in developing countries at the regional level for the purpose of raising awareness and identifying key issues;</p>

Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 77	Broadband technology and applications for greater growth and development of telecommunication/information and communication services and broadband connectivity	instructs the Director of the Telecommunication Development Bureau 5) to explore options to facilitate broadband connectivity, in close collaboration with the ITU Radiocommunication Sector (ITU-R) and ITU-T,
Resolution 79	The role of telecommunications/information and communication technologies in combating and dealing with counterfeit telecommunication/information and communication devices	<p>resolves to instruct the Director of the Telecommunication Development Bureau, in close collaboration with the Director of the Telecommunication Standardization Bureau and the Director of the Radiocommunication Bureau</p> <ol style="list-style-type: none"> 1) to continue to increase and develop ITU activities on combating, and ways of limiting the spread of, counterfeit devices; 2) to assist Member States, particularly developing countries, in addressing their concerns regarding counterfeit devices; 3) to continue to work in collaboration with stakeholders (such as WTO and WIPO), including academia and relevant organizations, to coordinate activities relating to combating counterfeit devices through study groups, focus groups and other related groups; 4) to organize seminars and workshops to raise awareness of the health and environmental risks of using counterfeit devices and ways of limiting them, particularly in developing countries, which are the most at risk from the dangers of counterfeit devices; 5) to continue assisting developing countries attending these workshops and seminars by providing fellowships and remote participation; 6) in collaboration with WTO, WIPO and other relevant bodies, to restrict the trading, export and circulation of counterfeit devices internationally; 7) to submit periodic reports on the implementation of this resolution

Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 81	Further development of electronic working methods for the work of the ITU Telecommunication Development Sector	<p>resolves</p> <p>3 that the principal EWM objectives of ITU D are:</p> <ul style="list-style-type: none"> • that BDT, in close collaboration with the Radiocommunication Bureau (BR) and the Telecommunication Standardization Bureau (TSB), should provide facilities and capabilities for EWM at meetings, workshops and training, particularly to assist developing countries, least developed countries, small island developing states, landlocked developing countries and countries with economies in transition that have bandwidth limitations and other constraints;
Resolution 84 [COM 3-1]	Combating mobile telecommunication device theft	<p>resolves</p> <p>1 that the ITU Telecommunication Development Sector (ITU-D) should explore all applicable solutions and develop reports or implementation guidelines, taking into account the needs of countries, especially developing countries, in consultation with relevant ITU-T and ITU Radiocommunication Sector (ITU-R) study groups, to combat and deter mobile device theft, offering all interested parties a forum for encouraging discussion, member cooperation, exchange of best practices and guidelines and dissemination of information on combating mobile device theft;</p> <p>resolves to instruct the Director of the Telecommunication Development Bureau, in collaboration with the Directors of the Radiocommunication Bureau and Telecommunication Standardization Bureau</p> <p>1 to provide assistance, within ITU-D's expertise and within available resources, as appropriate, in cooperation with relevant organizations, to Member States, if so requested, in order to reduce mobile device theft and the use of stolen mobile devices in their countries;</p> <p>2 to compile information on best practices developed by governments and other stakeholders and on promising trends in combating mobile device theft,</p>

Existing, revised and new WTDC-17 Resolutions involving ITU-R and/or BR

Resolution #	Title / Topic	Relevant text in the Resolution
Resolution 85 [COM3-2]	Facilitating the Internet of Things and smart cities and communities for global development	<p>resolves that ITU-D, in close collaboration with ITU-T and ITU-R, promote the adoption of IoT and the development of smart cities and communities, in order to maximize the benefits in advancing socio-economic development and contribute to achieving the Sustainable Development Goals and the Connect 2020 Agenda</p> <p>instructs the Director of the Telecommunication Development Bureau, in collaboration with the Directors of the Telecommunication Standardization Bureau and the Radiocommunication Bureau</p> <ol style="list-style-type: none"> 1) to prepare a report identifying the needs of developing countries related to IoT and smart cities and communities, based on the work conducted by ITU-T, ITU-R and ITU-D as well as other stakeholder organizations; 2) to collate the work done within ITU relating to IoT and smart cities and communities, including studies conducted on technology and standards as well as recommendations on policy and regulation, so as to facilitate the development and adoption of IoT; 3) to facilitate discussions and exchange of best practices through the organization of workshops and training programmes on IoT,
Resolution 86 [COM 4-1]	Use in the ITU Telecommunication Development Sector of the languages of the Union on an equal footing	<p>instructs the Director of the Telecommunication Development Bureau</p> <ol style="list-style-type: none"> 4) to bring this resolution to the attention of the Director of the Radiocommunication Bureau and the Director of the Telecommunication Standardization Bureau,



Thank you