





**Summary of the progress of studies requested in ITU-R Resolutions relevant to Study Group 1
(as of 14 March 2022)**


ITU-R Resolutions	Title	Working Party	Status of studies	Provisional output 
9-6	Liaison and collaboration with other relevant organizations, in particular ISO, IEC and CISPR	WP 1A WP 1B WP 1C	Study Group 1 enhanced its close collaboration with ISO, IEC and CISPR, and exchanged information with a large number of other SDOs on different topics such as Wireless Power Transmission (Question ITU-R 210/1 ; Recommendations ITU-R SM.2110 , SM.2129 ; Reports ITU-R SM.2303 , SM.2392 , SM.2451), Power Line Telecommunication (Question ITU-R 221/1 ; Recommendation ITU-R SM.1879 ; Reports ITU-R SM.2157 , SM.2158 , SM.2212 , SM.2269), Smart Grid (Question ITU-R 236/1 ; Reports ITU-R SM.2351), LED interference for the protection of radiocommunication services. Study Group 1 also exchanged information with WHO on EMF measurements to assess human exposure.	Doc. 1/73 Doc. 1/75 Annexes 1 to 10 of Doc. 1A/179
11-5	Further development of the spectrum management system for developing countries	WP 1A	<ul style="list-style-type: none"> - ITU Handbook on Computer-Aided Techniques for Spectrum Management (5th edition approved on 12/06/2015) - Recommendation ITU-R SM.1370-2 - Design guidelines for developing automated spectrum management systems (developed by WP 1B; approved on 28/08/2013; edited on 2019) - Recommendation ITU-R SM.1392-3 - Essential requirements for a spectrum monitoring system for developing countries (developed by WP 1C; approved on 18/02/2021) 	- - -

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22-5	Improvement of national radio spectrum management practices and techniques	WP 1B	– ITU Handbook on National Spectrum Management (3 rd edition approved on 12/06/2015)	-
			– Recommendation ITU-R SM.1047-2 - National spectrum management (approved on 13/09/2012; edited on 2019)	-
			– Recommendation ITU-R SM.1603-2 - Spectrum redeployment as a method of national spectrum management (approved on 27/08/2014)	-
			– Reports ITU-R SM.2012-6 - Economic aspects of spectrum management (approved on 13/06/2018)	-
			– Report ITU-R SM.2015-1 - Methods for determining national long-term strategies for spectrum utilization (approved on 07/06/2019)	Annex 2 to Doc. 1B/64
			– Report ITU-R SM.2093-4 - Guidance on the regulatory framework for national spectrum management (approved on 03/06/2021)	-
			– Report ITU-R SM.2404-0 - Regulatory tools to support enhanced shared use of the spectrum (approved on 21/06/2017)	-
			– Contributions to the ITU Report on WTDC Resolution 9 (Rev. Dubai, 2014) titled “Evolving spectrum management tools to support development needs” (approved on 21/06/2017)	-
			– Related studies on Question ITU-R 240/1 - Assessment of spectrum efficiency and economic value (approved on 07/09/2017)	Annex 3 to Doc. 1B/64
– Related studies on Question ITU-R 241/1 - Methodologies for assessing or predicting spectrum availability (approved on 21/08/2019)	Annex 4 to Doc. 1B/64			

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23-3	Extension of the international monitoring system to a worldwide scale	WP 1C	– Recommendation ITU-R SM.1054-1 - Monitoring of radio emissions from spacecraft at monitoring stations (approved on 21/08/2019)	-
			– Report ITU-R SM.2182-2 - Measurement facilities available for the measurement of emissions from both GSO and non-GSO space stations (approved on 07/06/2019)	-
			– WP 1C related studies in the development of the Satellite Interference Reporting and Resolution System (SIRRS) by the Radiocommunication Bureau in response to PP Resolution 186 (Busan, 2014)	-
			– Draft new Recommendation ITU-R SM.[APP10] - Use of Appendix 10 of the Radio Regulations to convey information related to harmful interference to space radiocommunication services	Doc. 1/71(Rev.1)
			– Report ITU-R SM.2453-0 - Cooperation in the field of space radio monitoring (approved on 07/06/2019)	-
54-3	Studies to achieve harmonization for short-range devices	WP 1B (see Note 1)	– Recommendation ITU-R SM.1896-1 - Frequency ranges for global or regional harmonization of short-range devices (SRDs) (approved on 03/09/2018)	-
			– Recommendation ITU-R SM.2103-0 - Global harmonization of SRD categories (approved on 06/09/2017)	-
			– Recommendation ITU-R SM.2104-0 - Guidelines for Narrow-band wireless home networking transceivers - Specification of spectrum related components (approved on 06/09/2017)	-
			– Report ITU-R SM.2153-8 - Technical and operating parameters and spectrum use for short-range devices (approved on 03/06/2021)	Annex 1 to Doc. 1B/64
			– Report ITU-R SM.2255-0 - Technical characteristics, standards and frequency bands of operation for radio-frequency identification (RFID) and potential harmonization opportunities (approved on 14/06/2012)	-
			– Related studies on Question ITU-R 242/1 - Spectrum management framework for the introduction of Ground- and Wall- Penetrating Radar (GPR/WPR) imaging systems (approved on 11/08/2021)	-

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55-3	ITU-R studies of disaster prediction, detection, mitigation and relief	WP 1B	See relevant studies on Resolution ITU-R 54-2	-
58-2	Studies on the implementation and use of cognitive radio systems	WP 1A	No new studies yet started	-
		WP 1B	Report ITU-R SM.2405-1 - Spectrum management principles, challenges and issues related to dynamic access to frequency bands by means of radio systems employing cognitive capabilities (approved on 03/12/2020)	-
			Recommendation ITU-R SM.2039-0 - Spectrum monitoring evolution (developed by WP 1C; approved on 28/08/2013)	-
			Report ITU-R SM.2355-1 - Spectrum monitoring evolution (developed by WP 1C; approved on 07/06/2019)	Annex 1 to Doc. 1C/89
59-2	Studies on availability of frequency bands for worldwide and/or regional harmonization and conditions for their use by terrestrial electronic news gathering systems	WP 1B	See relevant studies on Resolution ITU-R 54-2	-
60-2	Reduction of energy consumption for environmental protection and mitigating climate change by use of ICT/radiocommunication technologies and systems	WP 1B	No new studies yet started	-
61-2	ITU-R's contribution in implementing the outcomes of the World Summit on the Information Society and the 2030 Agenda for Sustainable Development	WP 1A	No new studies yet started	-
		WP 1B	No new studies yet started	-
62-2	Studies related to testing for conformance with ITU-R Recommendations and interoperability of radiocommunication equipment and systems	WP 1B	No new studies yet started	-
64	Guidelines for the management of unauthorized operation of earth station terminals	WP 1B	No new studies yet started	-
		WP 1C	- Report ITU-R SM.2424-0 - Measurement techniques and new technologies for satellite monitoring (approved on 13/06/2018)	-

ITU-R Resolutions	Title	Working Party	Status of studies	Provisional output 
66-1	Studies related to wireless systems and applications for the development of the Internet of Things	WP 1A	– Draft new Report ITU-R SM.[EMI-IOT] - Evaluation of radiated electromagnetic disturbances of household appliances and their interferences over an IoT network in the 915 MHz frequency band	Doc. 1/74
		WP 1B	– Report ITU-R SM.2423-0 - Technical and operational aspects of low-power wide-area networks for machine-type communication and the Internet of Things in frequency ranges harmonized for SRD operation (approved on 13/06/2018)	-
67-1	Telecommunication/ICT accessibility for persons with disabilities and persons with specific needs	WP 1A	No new studies yet started	-
		WP 1B	See relevant studies on Resolution ITU-R 54-2	-

NOTE 1 – WP 1A may also be involved upon request from WP 1B.

NOTE 2 – Next meetings of Working Parties 1A, 1B and 1C on 28 June to 7 July 2022 (see [1/LCCE/109](#)) and of Study Group 1 on 8 July 2022 (see [CACE/1016](#))
