|  |  |
| --- | --- |
| **Radiocommunication Advisory GroupGeneva, 25-27 June 2012** |  |
|  |  |
|  |  |
|  | **Document RAG12-1/7-E** |
| **25 May 2012** |
| **Original: Russian** |

|  |
| --- |
| Russian Federation[[1]](#footnote-1)\* |
| IMPLEMENTATION OF STUDIES ON ITU-R RESOLUTIONS |

# Introduction

The Radiocommunication Assembly adopted a number of ITU-R resolutions which call for studies to be carried out within the ITU-R study groups. ITU-R resolutions, together with ITU-R Questions and WRC resolutions, are one of the means of setting up studies within an SG.

ITU-R studies conducted in accordance with adopted ITU-R Questions or in accordance with WRC resolutions (on WRC agenda items) provide for a specific organization of work.

Hence, ITU-R Questions include the adoption of a work programme (i.e. milestones for the progress of the study and expected date of completion) and indicate the form in which the response should be prepared (e.g. as a Recommendation).

In the case of WRC resolutions, the corresponding CPM meeting identifies the responsible working party or study group as well as working parties or study groups that are concerned by the work. Moreover, studies in relation to WRC resolutions are included in the relevant CPM report.

For studies under ITU-R resolutions, on the other hand, there is no provision for the same kind of organization of studies in ITU-R, and this could lead to uncoordinated work in the study groups and working parties, and also to difficulties in setting a completion date for the studies and stipulating the form in which the results are to be presented.

# Proposal

It is proposed to consider the possibility of organizing studies under ITU-R resolutions in the same way as studies are organized under WRC resolutions for preparation of the CPM report. To this end, RAG should identify responsible and concerned working parties for each ITU-R resolution, as well as the date of completion of the studies (as a rule, by the next radiocommunication assembly) and the form in which the study results should be presented. The Annex to this document puts forward a template for the organization of studies under ITU-R resolutions, for consideration by RAG.

**Annex**

| Subject | Responsible group | Action to be taken by the group | Concerned group[[2]](#footnote-2) | Completion date | Form of presentation of results |
| --- | --- | --- | --- | --- | --- |
| RESOLUTION ITU‑R 50-2Role of the Radiocommunication Sector in the ongoing development of IMT |  |  *resolves*1 that a roadmap for ITU‑R activities on IMT should be developed by the relevant Radiocommunication Study Group to ensure that this work is progressed effectively and efficiently with organizations external to ITU;2 that the effective coordination currently established between ITU‑T and ITU‑R for IMT, Mobile Telecommunication Networks and Next Generation Networks activities should be continued;3 that work carried out by the Radiocommunication Sector on IMT should be communicated to the Director of BDT, |  |  |  |
| RESOLUTION ITU‑R 53‑1The use of radiocommunications in disaster response and relief |  |  *resolves*that, given the importance of the effective use of the radio-frequency spectrum for radiocommunications in disaster situations, the concerned ITU‑R study groups undertake studies and develop guidelines related to the management of radiocommunications in disaster prediction, detection, mitigation and relief collaboratively and cooperatively within ITU and with organizations external to the Union,  |  |  |  |
| RESOLUTION ITU‑R 54‑1Studies to achieve harmonization for short-range devices |  |  *resolves*1 to continue studies, in collaboration with standardization organizations and scientific and industrial organizations, on the regional and/or global harmonization of technical and operating parameters, including frequency ranges and interference mitigation techniques for SRDs;2 to continue to develop the necessary monitoring and measurement procedures in order to enable administrations to verify technical and operating parameters of SRDs and to examine the effect of emissions from SRDs on radiocommunication services;3 to promote and maintain an ongoing exchange of information on SRDs between ITU‑R members and other organizations, as per Resolution ITU‑R 9; 4 to study spectrum utilization and technical requirements of SRDs to promote the efficient use of spectrum;5 to conduct technical studies to evaluate the feasibility of deploying SRDs in specific frequency bands that could be harmonized globally or regionally;6 to continue studies to enable implementation of advanced technologies for SRDs, thereby in particular focusing on a strategy for the future;7 that in particular the following studies should be conducted:*a)* to collect information on SRDs which use advanced spectrum access and frequency tuning range techniques in order to understand their capabilities, meanwhile ensuring protection to radiocommunication services;*b)* to advise on a mechanism, based on 7*a)* above, that may ease the use of relevant frequency bands and/or frequency tuning ranges, preferably on a global or regional basis, suitable for SRDs;*c)* to update information on frequency bands commonly used by SRDs;8 to document these studies in ITU‑R Recommendations and Reports, revised on a regular basis, |  |  |  |
| Resolution ITU‑R 58Studies on the implementation and use of cognitive radio systems |  |  *resolves*1 to continue studies for the implementation and use of CRS in radiocommunication services;2 to study operational and technical requirements, characteristics, performance and possible benefits associated with the implementation and use of CRS in relevant radiocommunication services and related frequency bands;3 to give particular attention to enhancing coexistence and sharing among radiocommunication services;4 to develop relevant ITU‑R Recommendations and/or Reports based on the aforementioned studies, as appropriate, |  |  |  |
| RESOLUTION ITU‑R 59Studies on availability of frequency bands and/or tuning ranges for worldwide and/or regional harmonization and conditions for their use by terrestrial electronic news gathering systems |  |  *resolves*1 to carry out studies regarding possible solutions for global/regional harmonization of frequency bands and tuning ranges for ENG use in bands already allocated to the fixed, mobile or broadcasting services, taking into account:– available technologies to maximize efficient and flexible use of spectrum;– system characteristics and operational practices which facilitate the implementation of these solutions;2 to develop ITU‑R Recommendations and/or ITU‑R Reports based on the aforementioned studies, as appropriate, *further resolves*1 to encourage administrations to develop relevant information concerning their national ENG use (e.g. a list of frequency bands or tuning ranges available for ENG, spectrum management practices, technical and operational requirements, and spectrum authorization points of contact, as appropriate…) for use by foreign entities during worldwide newsworthy events;2 to encourage administrations to consider, for harmonization purposes, frequency bands/tuning ranges used for ENG by other administrations, |  |  |  |
| Resolution ITU‑R 60Reduction of energy consumption for environmental protection andmitigating climate change by use of ICT/radiocommunicationtechnologies and systems |  |  *resolves*1 that ITU‑R Study Groups should develop Recommendations, Reports or Handbooks on:• best practices in place to reduce energy consumption within ICT systems, equipment or applications operating in a radiocommunication service; • possible development and use of radio systems or applications which can support reduction of energy consumption in non-radiocommunication sectors;• effective systems for monitoring the environment and monitoring and predicting climate change, and ensuring reliable operation of such systems;2 that ITU‑R Study Groups, when developing new ITU‑R Recommendations, Handbooks, or Reports or reviewing existing Recommendations or Reports, take into account, as appropriate, energy consumption as well as best practices to conserve energy;3 to maintain close cooperation and to regularly liaise with ITU‑T, ITU‑D and the General Secretariat, and to take into account the results of the work carried out in these Sectors and avoid duplication, |  |  |  |
| RESOLUTION ITU‑R 61ITU‑R’s contribution in implementing the outcomes of the World Summit on the Information Society |  |  *resolves*1 to continue ITU‑R’s work on WSIS implementation and follow-up activities within its mandate;2 that ITU‑R should carry out those activities that come within its mandate and participate with other stakeholders, as appropriate, in the implementation of all relevant action lines and other WSIS outcomes, |  |  |  |
| Resolution ITU‑R 62Studies related to testing for conformance with ITU‑R Recommendations and interoperability of radiocommunication equipment and systems |  |  *resolves*that ITU‑R collaborate with, and provide information when requested by, ITU‑T and ITU‑D on conformance and interoperability testing within its existing mandate consistent with Resolution 177 (Guadalajara, 2010) (see noting *b)*), |  |  |  |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. \* This document was considered and agreed upon at the second meeting of the Commission on regulation of the use of the radio-frequency spectrum and satellite orbits of the Regional Commonwealth in the field of Communications (RCC) [↑](#footnote-ref-1)
2. A concerned ITU-R group may be either a contributing group on a specific item (indicated in bold type), or an interested group (indicated in square brackets) that will follow the work on a specific issue and act as appropriate. [↑](#footnote-ref-2)