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| **Radiocommunication Study Groups** |  |
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|  | 25 April 2017 |
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| Chairman of Study Group 6 | |
| report oF progress in the Studies requested iN the ITU-R Resolutions | |
| (FOR INFORMATION) | |

This document provides a brief report on the progress of studies related to the implementation of relevant ITU-R Resolutions. It also provides the results of studies carried out, which were published as ITU-R Recommendations and/or Reports.

Attachment 1 summarizes the status of the studies, provisional outputs and foreseen dates and deliverables in response to the ITU-R Resolutions relevant to Study Group 6. It also provides the results of studies carried out, which were published as ITU-R Recommendations and/or Reports.

Also, Attachment 2 provides general activity in relation to the ITU-R Resolutions other than those specifically assigned to Study Group 6.

**Attachments:** 2

Attachment 1

Summary of the progress of the studies requested in the ITU-R Resolutions relevant to Study Group 6

| Resolution | Requested Studies | WP | Status and Provisional outputs | Expected outputs including completion date |
| --- | --- | --- | --- | --- |
| Resolution 55‑2  ITU studies of disaster prediction, detection, mitigation and relief | – 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;  – the relevant ITU-R Study Groups continue studies on new emerging technologies which could support disaster prediction, detection, mitigation and relief, | 6A | Since several years, SG6 and its Working Parties 6A and 6B have pursued the issue of how broadcasting can help in case of disaster.  Broadcasting is a prime means of communication in case of disaster. Report BT. 2299 provides describes a comprehensive description of technical solutions and best operational practices. The report is continuously updated, last in March 2017 (ref. Doc. 6/123). Emergency broadcast transmitters can be implemented swiftly for information of and assistance to the concerned people (independent of their numbers). Several techniques exist to inform the population with audio-visual messages (e.g. rescue maps and behavior information).  In this context, the new Opinion of SG 6 on the activation of sound broadcast reception in smart phones becomes an important issue (ref. Doc. 6/105). | Doc. 6/123 - Approved Revision of Report ITU-R BT.2299 - Broadcasting for public warning, disaster mitigation and relief (Mar 2017)  Doc. 6/104 - Draft New Recommendation - Use of International Radio for Disaster Relief (IRDR) frequencies for emergency broadcasts in the short wave bands (PSAA, Jun 2017).  Doc. 6/105 – Approved New Opinion of Study Group 6 - The activation of radio receivers in smart/mobile telephones and tablets (Mar 2017) |
| Resolution 58-1  Studies on the implementation and use of cognitive radio systems | 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, | 6A | WP 6A continues to contribute to the Report currently being prepared by WP 1A which is the lead group for the studies |  |
| Resolution 59-1  Studies 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 | 1 to carry out studies regarding possible solutions for global/regional harmonization of frequency bands and tuning ranges for ENG use focused on bands already allocated, on a primary or secondary basis, 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, | 6A | On going |  |
| Resolution 60-1  Reduction of energy consumption for environmental protection and mitigating climate change by use of ICT/ radiocommunication technologies and systems | 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, | All | Broadcasting has already achieved substantial energy reductions through the transition from analogue to digital TV broadcasting, which is under way or completed in many parts of the world. | SG 6 continues to contribute to the work of ITU-T SG Focus Group looking at “Guidelines for sustainable broadcasting”. |
| Resolution 62-1  Studies related to testing for conformance with ITU R Recommendations and interoperability of radiocommunication equipment and systems | 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 (Rev. Busan, 2014) of the Plenipotentiary Conference (see noting b)), | All | On going |  |
| Resolution 67-1  Telecommunication/ICT accessibility for persons with disabilities and persons with specific needs | to continue conducting studies, research, guidelines and recommendations, related to telecommunication/ICT accessibility for persons with disabilities and persons with specific needs, taking into account recognizing b) and c), and in close cooperation with ITU-T and ITU-D, | All | On going | Approved New Handbook on Digital Terrestrial Television Broadcasting (DTTB) Networks and Systems Implementation includes a chapter (14) on Accessibilities. |

ATTACHMENT 2

Summary of other activities in relation to the ITU-R Resolutions

| Resolution | Title | WP | Activities | Status |
| --- | --- | --- | --- | --- |
| Resolution 6-2  Liaison and collaboration with the ITU Telecommunication Standardization Sector | resolves  to refer to the Radiocommunication Advisory Group in collaboration with the Telecommunication Standardization Advisory Group, the continuing review of new and existing work and its distribution between the two Sectors, for approval by Members in accordance with the procedures laid down for the approval of new or revised Questions taking into account the activities and results of the ongoing restructuring efforts within ITU; | All | Three Intersector Rapporteur Groups on audio-visual media accessibility (IRG-AVA), on audio-visual quality assessments (IRG-AVQA) and on Integrated Broadcast Broadband Systems (IRG-IBB) were established. | Ongoing |
| Resolution 9-5  Liaison and collaboration with other relevant organizations, in particular ISO, IEC and CISPR | resolves  that Radiocommunication Study Groups or groups established by the Study Groups, may liaise, collaborate, and exchange information in accordance with established principles (see Annex 1) with other organizations such as standard development organizations, universities, and industry organizations, and with partnership projects, forums, consortia, research collaborations | All | The Study Group, in accordance with this Resolution, maintains close collaboration with ISO and IEC and develops common text, including Recommendations. SG 6 also collaborates with other organizations like ETSI, SMPTE, ARIB, HbbTV, OMA, ABNT, TIA, in developing Recommendations with common text. | Ongoing |
| Resolution 12-1  Handbooks and special publications for development of radiocommunication services | resolves  1 that in establishing priorities for the preparation and publishing of handbooks and special publications, special consideration should be given to the needs of developing countries, | 6A | Handbook on Digital Terrestrial Television Broadcasting (DTTB) Networks and Systems Implementation was approved and available in electronic format for free download and also in hard-copy. | Ongoing |
| Resolution 34-3  *Guidelines for the preparation of terms and definitions*  Resolution 35-3  *The organization of vocabulary work covering terms and definitions*  Resolution 36-3 *Coordination of vocabulary* |  | All | The Study Group has been forwarding terms and definitions to the CCV following each meeting where it has agreed to have ITU-R Recommendations sent for the adoption and approval procedure. These terms and definitions are for inclusion in the ITU Terminology database. | Ongoing |

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