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| **Telecommunication Development Advisory Group (TDAG)****23rd Meeting, Geneva, 9-11 April 2018** | P:\SUP\Logos\Post-150th Anniv\ITU-logo-UNblue.jpg |
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|  | **Document** **TDAG-18/36-E** |
|  | **4 April 2018** |
|  | **English only** |
| Note by the Director of the Telecommunication Development Bureau |
| CONTRIBUTION FROM THE DIRECTOR OF THE RADIOCOMMUNICATION BUREAU |
| **Studies in response to Resolution 9 (Rev. Buenos Aires, 2017) - Participation of countries, particularly developing countries, in spectrum management**I hereby transmit to the Telecommunication Development Advisory Group (TDAG) a contribution from the Director of the Radiocommunication Bureau. |
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|  | Brahima SanouDirector, Telecommunication Development Bureau |

CONTRIBUTION FROM THE DIRECTOR OF THE RADIOCOMMUNICATION BUREAU

**Summary**

Following the meeting of the Radiocommunication Advisory Group (RAG), held in Geneva from 26 to 29 March 2018), the Director of the Radiommunication Bureau (BR) is pleased to provide the following information to the Director of the Telecommunication Development Bureau, and would appreciate that it be provided to the Telecommunication Development Advisory Group for information and action, as deemed appropriate, and if necessary to the relevant ITU-D study group(s).

**Studies in response to Resolution 9 (Rev. Buenos Aires, 2017) - Participation of countries, particularly developing countries, in spectrum management**

The World Telecommunication Development Conference 2017 (WTDC-17) has concluded the Telecommunication Development Sector (ITU-D) study period of 2014-2017, and a number of Resolutions of mutual interest have been revised. In particular, Resolution 9 "Participation of countries, particularly developing countries, in spectrum management", which is aimed to ensure the cooperation between the Radiocommunication Sector (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.

In this context, RAG expressed its appreciation to the Director of BDT, to TDAG and to ITU-D Study Group 1 for their positive action in response to the request by RAG in April 2017 (see [Doc. TDAG17-22/51](https://www.itu.int/md/D14-TDAG22-C-0051/en)) relating to the draft Report on WTDC-14 Resolution 9.

Taking into account that Resolution 9, as revised by WTDC-17, contains an invitation for the Director of BR to continue to ensure that ITU-R continues the collaboration with ITU-D in the implementation of Resolution 9, the Director of BR is pleased to provide in annex a preliminary list of ITU-R Study Group 1 studies in the field of radio spectrum management that might be of interest for the developing countries in response to WTDC-17 Resolution 9.

**Annex**

Result of ITU-R SG 1 publications on issues of mutual interest in the scope of
WTDC 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>
* 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>
* 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>
* 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](http://www.itu.int/pub/R-REP-SM.2181%20)
* 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](http://www.itu.int/pub/R-REP-SM.2255%20)
* Report ITU-R SM.2256 - Spectrum occupancy measurements and evaluation (2016).
[http://www.itu.int/pub/R-REP-SM.2256](http://www.itu.int/pub/R-REP-SM.2256%20)
* 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](http://www.itu.int/pub/R-REP-SM.2351%20)
* 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>

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