

Meeting of Study Group 1 (SG 1)

Virtual event

Thursday, 3 June 2021, 12:00 hours (Geneva time)

Opening Remarks

**Mario Maniewicz
Director, Radiocommunication Bureau**

Mr. Chairman,
Dear friends and colleagues,

Good morning, good afternoon, and good evening to you all.

It is a real pleasure for me to welcome you all to this second meeting of Study Group 1 during this new study period. I would like to thank you all for having accepted to hold this meeting virtually and in English only.

As I usually do, let me start by thanking Mr. Wael Sayed, Chairman of SG 1, as well as the Chairmen and acting Chairman of Working parties 1A, 1B and 1C, respectively Mr. Garcia de Souza, Mr. Liu Bin in the absence of Mr. Kibet Boruett, and Mr. Trautmann. I would like to also thank all the Chairmen of the subgroups, as well as all the participants, for the good progress achieved in the last nine days of intensive work, despite the current situation in which the work has to advance through virtual meetings only.

In line with the WRC-19 Gender Declaration, it is good to see that WP 1B has accepted to propose a lady as a new Vice-Chairman for WP 1B and I thank the Administration of the Russian Federation for this.

I would also like to take this opportunity to express my gratitude to Mr. Kibet Boruett for his excellent chairmanship of WP 1B since September 2018, and I wish him all the best for his other duties.

Let me also thank the Administration of China for presenting the candidature of Mr. Liu Bin for the position of WP 1B Chairman which will be considered today. We therefore have both male and female experts who are leading delicate discussions during the meetings of all three working parties, and I am sure that all of you will continue your fruitful contributions to achieve future successes through the work of ITU-R Study Group 1.

As you all know very well, the developments and achievements of ITU R Study Group 1 and its Working Parties continue to be much appreciated by national authorities responsible for the spectrum management and spectrum monitoring in the various countries.

Despite the small number of contributions, the participation in Working Party 1B is still significant to deal with important issues on spectrum management methodologies, associated economic aspects, short range radiocommunication devices, and other related issues.

In that regard, I am pleased to note the regular updating of national information in the revisions of two Reports presented today:

- on **Technical and operating parameters and spectrum use for SRD;**
- on **Guidance on the regulatory framework for national spectrum management**

I note also the development of a draft new ITU-R Question to address other types of Ultra-wideband (UWB) devices for **Ground- and Wall- Penetrating Radar (GPR/WPR) imaging systems.**

The progress of the WP 1B studies in response to Questions ITU-R 240/1 and 241/1 is also very important to provide methodologies to national regulators for better assessing the **spectrum efficiency and the associated economic value**, as well as for **assessing or predicting spectrum availability.**

I therefore encourage our membership to further contribute on these other important topics to the next WP 1B meeting.

Dear colleagues,

The rapid evolution of the technology in the radiocommunication sector raises some challenges for the services in charge of spectrum monitoring, in order to be able to continue accomplishing their important activities for the national regulators.

I am pleased to see the significant work within WP 1C to respond to these challenges with the development of new or revised Recommendations such as those presented to this meeting on:

- **Performance evaluation of Mobile DF units in operational environment;**
- Test procedure for determining the accuracy of TDOA systems;
- Or to improve the calculation of the maximum permissible field strength to protect radio monitoring stations.

The use of new equipment to perform spectrum monitoring tasks is also important, and I appreciate seeing a new ITU-R Report presented to this meeting, which describes the **use of commercial drones to assist in regulatory spectrum monitoring and measurement procedures.**

I would also like to acknowledge the significant progress made by WP 1C on the topics of:

- The **electromagnetic field measurements to assess human exposure**, taking into account the recent publications by ICNIRP and IEEE;
- The **reporting of harmful interference cases** in support of Appendix **10** of the Radio Regulations, which is of particular importance for the BR related activities.

Many other topics are also progressing well within WP 1C and I encourage our membership to continue their contributions to the studies.

Dear participants,

I take this opportunity to also appreciate the fruitful collaboration with ITU-T and with several external standardization organizations, such as IEC, CISPR or IEEE, which resulted for instance in the presentation of a revised Report to this meeting on **Smart grid utility management systems.**

I was informed that WP 1A is also progressing well the development of a new study question, which was initiated at RA-19, on the protection of the radiocommunication services from interference caused by electrical or electronic apparatus.

The increase volume of work within WP 1A on topics related to Wireless Power Transmission (WPT) has also to be recognized and I am pleased to see the revisions of two other Reports presented today:

- on **Applications of WPT via radio frequency beam**;
- on **WPT using technologies other than radio frequency beam**

The expectations from the industry and the public are high regarding these new technologies and I encourage our membership to progress further and as soon as possible on these topics, in order to ensure here as well the protection of the radiocommunication services.

There are other important topics addressed by WP 1A, such as on the proper **assessment of the unwanted emissions** or on the use **optical wireless communication**, but I will not mention them all here since I have already been too long.

Dear friends,

Before ending my remarks, I would like to reassure you all that you can continue to count on the full support of the BR to conduct your work.

I also encourage you to continue your efforts in providing excellent products to the ITU membership and to the radiocommunication industry as a whole.

With this, Mr. Chairman, let me conclude by wishing you all a very successful meeting today and all the best for the remainder of this study cycle.

Thank you very much for your attention.