ITU Webinar on Interference to Satellite Systems

Virtual event

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Welcome and Opening Remarks

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Good morning, good afternoon, and good evening to our distinguished speakers, as well as to all the participants who are joining this ITU-R webinar from around the world.

It is my pleasure to welcome you to the series of ITU Satellite Webinars that is starting today.

During these 3 episodes, you will be taken to the most relevant topics and discussions concerning the exciting field of space services and satellite communications of today and of years to come.

We are proud to count on distinguished experts and organizations supporting these webinars, and on you as a valuable audience.

As you are aware, the latest World Radiocommunications Conference held in Egypt last year was very successful in taking important decisions that will shape the future of radiocommunications, including space services.

A stable regulatory framework was put in place to allow the deployment of Large non-GSO Constellations, not only in the well-known Ku and Ka bands, but also in higher frequency bands around 40 and 50 GHz.

GSO Satellite Networks have also improved their regulatory procedures so that Administrations are better positioned when coordinating, licensing or operating Earth Stations in Motion, with the objective to enable broadband connectivity to citizens onboard ships, aircraft and land vehicles as well as to ensure their safety and security.

Dear friends,

I am pleased to announce that the 2020 Edition of the Radio Regulations, has just been made available for download. This publication incorporates to the international treaty that governs the use of spectrum and satellite orbits the modifications made by the World Radiocommunications Conference of 2019. The Radio Regulations enables the functioning of all radiocommunication services, including satellite services, and I strongly encourage you to download and consult this fundamental legal framework.

Looking ahead towards WRC-23, we have initiated studies and the preparatory work that will allow us to benefit from the latest advances in satellite technologies.

The Agenda for the next conference will consider expanding satellite services to higher frequency bands, better using intersatellite links or suborbital vehicles, accommodating new frequency allocations to space research, Earth Exploration and Meteorological Satellite Services to monitor our planet. These few examples illustrate the need for more bandwidth, global harmonization and its consequent advantages of economies of scale.

It is clear that space services, that we increasingly rely on, can play a key role to achieve the UN Sustainable Development Goals. But to do so, these services need to be protected from harmful interference. This is why today's ITU satellite Webinar will focus on the dissemination of information on measures to protect satellite systems from harmful interference.

Ladies and gentlemen, I invite you to enjoy the webinar, participate actively in it, and more importantly, to apply the concepts that you will learn to enable the development of this fascinating field of space services and satellite communications.

Have a nice webinar!