Radiocommunication Bureau (BR)

Circular Letter   4 November 2014
CR/369

To Administrations of Member States of the ITU,
Radiocommunication (ITU-R) Sector Members and Academia

Subject: **ITU Symposium and Workshop on the small satellite regulation and**
                communication systems, Prague, Czech Republic, 2-4 March 2015

Resolution 757 (WRC-12) on "Regulatory aspects for nanosatellites and picosatellites", requests the ITU-R to examine the procedures for notifying space networks and consider possible modifications to enable the deployment and operation of nanosatellites and picosatellites, taking into account the short development time, short mission time and unique orbital characteristics. The same resolution instructs the Director of the Bureau to report to WRC-15 on the results of these studies.

In this regard, the ITU Radiocommunication Bureau, in kind cooperation with the ITU-R Academia member Czech Technical University, Faculty of Electrical Engineering, is pleased to announce a three-day Symposium and workshop on "Small satellite regulation and communication systems" in Prague, Czech Republic, on 2-4 March 2015.

Sessions

The Prague Symposium and workshop will provide a unique opportunity to meet and share views with the world´s leading experts from administrations, ITU-R sector members, academia, research institutes, satellite operators, industry and launchers who will provide the latest information on their plans, experience and case studies for the development of small satellite networks and distributed earth station networks.

The Symposium participants will learn also about the recent development of ITU-R WP7B studies - Question SG07.254 related to characteristics and spectrum requirements of satellite systems using nano and pico satellites. In addition, the Symposium will permit informal discussions on the need, if any, to modify the regulatory procedures for notifying satellite networks in order to facilitate the deployment and operation of nanosatellites and picosatellites.

On the last day, a specific workshop will be organized to familiarize participants with searching and querying the ITU Space Master International Register (MIFR), Space Networks List (SNL) on-line and Space Networks System (SNS) on-line, use of ITU software for submission and validation of small satellite network filings to ITU, submission of comments on ITU publications published on the BR International Frequency Information Circular (Space Services) (BR IFIC) and rights and obligations in a case of harmful interference to satellite networks recorded in the MIFR.

All participants will be provided with a CD-ROM with non-GSO satellite related regulatory documents, filing samples and typical small satellite API and Notification publications and a copy of the last BR IFIC (Space services) DVD-ROM with the most updated Space MIFR and BR software required for satellite data capture and validation.

Format

The Prague Symposium and workshop will be an open event where participation of national administrations, ITU-R sector members, associates and particularly ITU Academia members, the satellite communications industry and launchers and small satellite user community is strongly encouraged. Although there is no participation fee for this meeting, please note that all expenses concerning travel, accommodation and insurance of participants should be covered by your Administration/Organization/Company.

Registration

Registration to this event will be carried our exclusively on-line from the event website at www.itu.int/GO/ITU-R/Prague-2015. Online registration will be possible until 26 February 2015 inclusive. Further information on ITU-R event registration can be found at
www.itu.int/en/ITU-R/information/events

Visa Requirements

Citizens of some countries are required to obtain a visa in order to travel to the Czech Republic. Information on visa requirements can be found online at

www.mzv.cz/jnp/en/information_for_aliens/index.html.

Participants requiring visa support should provide the ITU-R Event Registration Service (itu-r.registrations@itu.int / fax +41 22 730 6600) with an accreditation letter signed by their organization/administration along with a copy of their passport to be issued a visa support letter.

Program

A Preliminary programme is available in the Annex of this Circular Letter. A web site with Agenda and all relevant documentation related to the Conference and workshop has been established for participants at http://www.itu.int/GO/ITU-R/Prague-2015

Participants are invited to download and print documents needed for the event (from event website: http://www.itu.int/GO/ITU-R/Prague-2015). The event will be conducted in English only in a paperless format.

Accommodation

A list of hotels with a preferential rate will be available on the website and will be updated accordingly.

Please note that Czech Republic and particularly Prague being a popular destination, we advise to make your travel arrangements and hotel reservation as soon as possible.

For any additional information, you may contact:

Mr. Yvon Henri either by email yvon.henri@itu.int or by phone at +41 22 730 5536.

François Rancy
Director

Annex: 1

Distribution :

- Administrations of Member States of the ITU
- Radiocommunication Sector Members
- Members of the Radio Regulations Board
- ITU-R Academia
- ITU Regional Offices

ANNEX

Preliminary programme

ITU Symposium and Workshop
on the small satellite regulation and communication systems
FEL CVUT Praha, CZE
2-4 March 2015

02.03.2015 – MONDAY – International and national legislation and regulation related to small-satellite	
9:30 - 12:00	**Opening** • Small satellite International Regulation and spectrum allocation procedure • Receivability of space notices and cost recovery • Notification and recording of frequency assignments in the Space MIFR **Q/A**
14:00 - 17:00	• UN legal regime related to small-satellite • National legislation/regulation applicable to small-satellite • IARU amateur-satellite coordination process • Status of ITU-R studies related to small-satellites (RES-757 WRC-12) • Small-satellite operators experience (Poster session) **Q/A**
03.03.2015 – TUESDAY – Small-satellite technology and ITU-R support	
9:00 - 12:00	**Small-satellite system and technology session** • Satellite Architecture (orbits, constellations) and Technologies • Small satellite TT&C and Earth stations-ground segment • Utilization/Applications of Micro- and Nano-Satellites – case studies • Satellite Launchers **Q/A**

03.03.2015 – TUESDAY – Small-satellite technology and ITU-R support	
14:00 - 17:00	**Interactive session on the ITU-R regulatory and service publications, reference data and online help** • Understanding RR ART 5 and other Articles related to small-satellites • Appendix 4 data elements related to small-satellite • ITU-R online space resources – SNL and SNS online • BR IFIC (space services) and Preface • ITU-R space reference databases (MIFR, SRS, IFIC) • ITU-R small-satellite support page **Q/A**
04.03.2015 – WEDNESDAY – Small-satellite workshop	
9:00 - 12:00	**Workshop:** **Preparation of small-satellite electronic filing to the Bureau** • Preparation of electronic submission – Advance publication information (API) and Notification using BR software package (SpaceCap, SpaceVal, SpaceQry and SpacePub) • Comments on API publication using SpaceCom • Understanding API/B publication • Understanding PART-IS/IIS and III-S publication and regulatory status of satellite networks • ITU-R regulatory assistance and Harmful Interference procedures **Q/A**
14:00 - 17:00	• Small-satellite link budget calculation and engineering • Small-satellite RD and Earth station technology excursion **Final Q/A**