



Radiocommunication Bureau (BR)

Circular Letter
CR/395

1st April 2016

To Administrations of Member States of the ITU

**Subject: International Satellite Communication Symposium (Geneva, 13-14 June 2016)
Interference-Free Satellite Frequency Spectrum: “Myth or Reality in 2016”**

Following the success of the first ITU International Workshop on Preventing Harmful Interference to Satellite Systems held in Geneva in June 2013 – and reflecting international cooperation to facilitate expanded access to satellite connectivity – the Radiocommunication Bureau is pleased to announce the holding of a two-day symposium in Geneva on 13-14 June 2016 at which experts from the industry, satellite operators and regulators from all around the world will provide an overview of ongoing progress on regulations and measures developed and implemented to prevent interference.

The Geneva symposium will be an open event in which national administrations, the satellite communications industry, the user community, other ICT stakeholders, as well as all those with an interest in the topic, are strongly encouraged to participate.

The meeting will provide participants with high-quality presentations on the latest developments and innovations in the combat against satellite interference, and will allow them to interact with the experts, sharing experiences and discussing the effectiveness of existing and promising measures in this field.

The following is a preliminary list of topics to be addressed:

- Satellite services and interference: the current situation
- Latest technologies to detect, identify, locate and mitigate harmful interference
- Space monitoring
- CubeSats and large non-GSO constellations: a new challenge and opportunity in sharing the spectrum?
- Solutions and mitigation techniques utilized in mobility applications (ESIM, ESOMP, ESV, UAS...)
- The C-band challenge and beyond: higher frequency ranges?
- Ensuring content delivery by broadcasting-satellite services

- Cybersecurity
- Experience with radionavigation-satellite systems
- Coping with jamming and ensuring safety: national cases and policies
- Protecting space science services
- Implementation of carrier-ID
- VSAT and SNG installation and operation training
- International space law
- ITU regulations and actions to prevent and resolve harmful interference, in brief
- Update to related ITU-R Recommendations, reports and handbooks

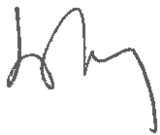
A website for the symposium (<http://www.itu.int/go/ITU-R/SISS-2016>) has been established for participants, on which relevant documentation will be posted, including information relating to the submission of presentations and subsequent participation in the meeting.

A draft agenda for the meeting, to be updated as soon as new information becomes available, may be found attached hereto.

Participants are invited to visit the above-mentioned website and pre-register online by 10 June 2016.

For any additional information, please contact Mr Yvon Henri by e-mail yvon.henri@itu.int or telephone +41 22 730 5536.

I look forward to your active participation in and contribution to the success of this event.



François Rancy
Director

Annex: Draft agenda (2 pages)

Distribution:

- Administrations of Member States of ITU
- Members of the Radio Regulations Board

DRAFT AGENDA

Monday, 13 June 2016

- | | |
|-------|-------------------------------------------------------------------------------------------------------------------------------|
| 08.30 | Registration |
| 09.30 | Introductory remarks |
| 09.45 | General overview of the symposium |
| 10.00 | SATELLITE OPERATORS AND ADMINISTRATIONS PANEL
Satellite services and interference: the current situation |
| 11.15 | Coffee break |
| 11.30 | SOLUTIONS BROUGHT BY THE INDUSTRY
Latest technologies to detect, identify, locate and mitigate harmful interference |
| 12.30 | Space monitoring |
| 13.00 | Lunch |
| 14.00 | BROADCASTERS PANEL
Ensuring content delivery by broadcasting-satellite services |
| 15.00 | Implementation of carrier-ID |
| 15.30 | VSAT and SNG installation and operation training
Terminal quality measures |
| 16.00 | Coffee break |
| 16.15 | The C-band challenge and beyond: higher frequency ranges? |
| 17.00 | Wrap-up/discussion - first day |
| 17.30 | Close of first day |

Tuesday, 14 June 2016

- 9.00 **INNOVATION AND LATEST TECHNOLOGIES IN SATELLITE SYSTEMS**
CubeSats and large non-GSO constellations:
A new challenge and opportunity in sharing the spectrum?
- 9.30 Solutions and mitigation techniques utilized in mobility applications
(ESIM, ESOMP, ESV, UAS)
- 10.30 Coffee break
- 10.45 **CYBERSECURITY SESSION**
Experience with radionavigation-satellite systems
- 11.00 Coping with jamming and ensuring safety: national cases and policies
- 11.15 Guidelines for satellite operators and terminal manufacturers
- 12.00 **SCIENCE SESSION**
Protecting space science services
- 12.30 Lunch
- 14.00 **REGULATORY SESSION**
International space law
- 14.30 ITU regulations and actions to prevent and resolve harmful
interference, in brief
- 15.00 Update to related ITU-R Recommendations, reports and handbooks
- 15.30 Wrap-up/discussion - second day
- 16.00 Closure of the symposium