



Radiomonitoring

BR-SSD e-Learning Center

□ Article 16 Radio Regulations:

16.1 To assist to the extent practicable in the implementation of these Regulations, in particular to help ensure efficient and economical use of the radio-frequency spectrum and to help in the prompt elimination of harmful interference, ...

□ Recommendation ITU-R SM.1139:

recommends

1 that in requesting monitoring observations, administrations and the Radiocommunication Bureau should take into account the monitoring facilities set forth in the List of International Monitoring Stations,...

Section II. Reports Concerning Stations in the
Space Radiocommunication Services

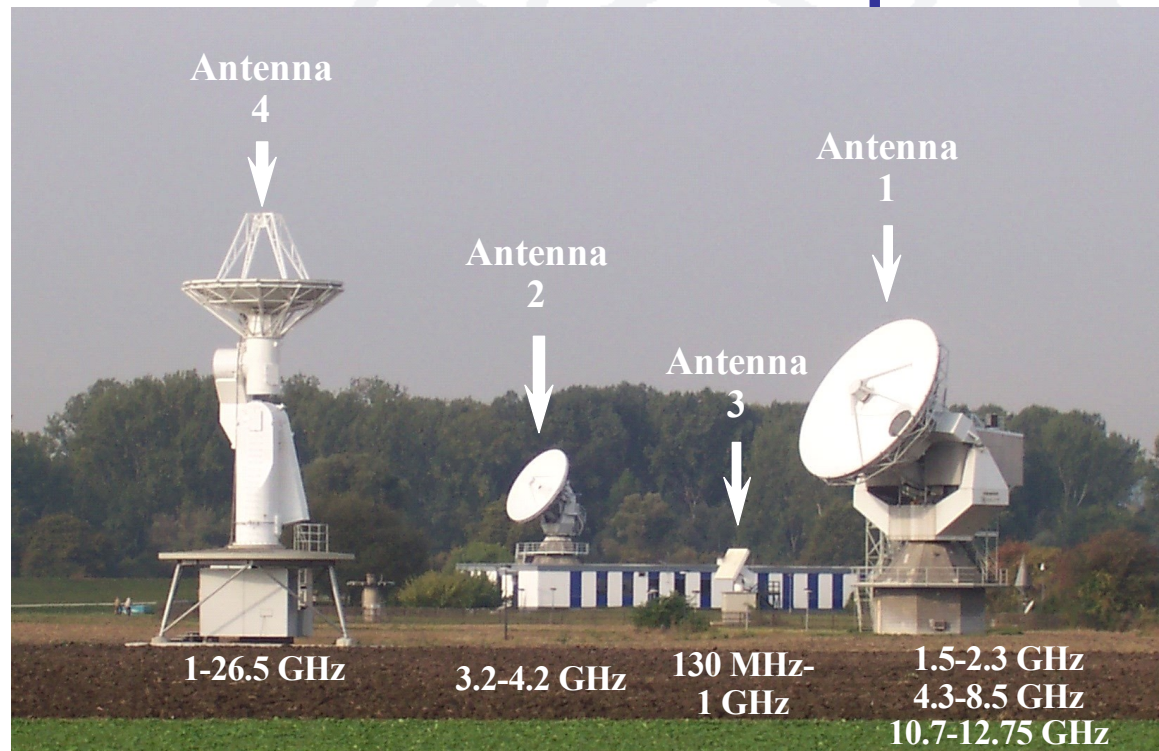
→ Specifies the information to be provided

International Monitoring System:



□ Report SM.2182 (2010) :

Measurement facilities available for the measurement of emissions from both GSO and non-GSO space stations

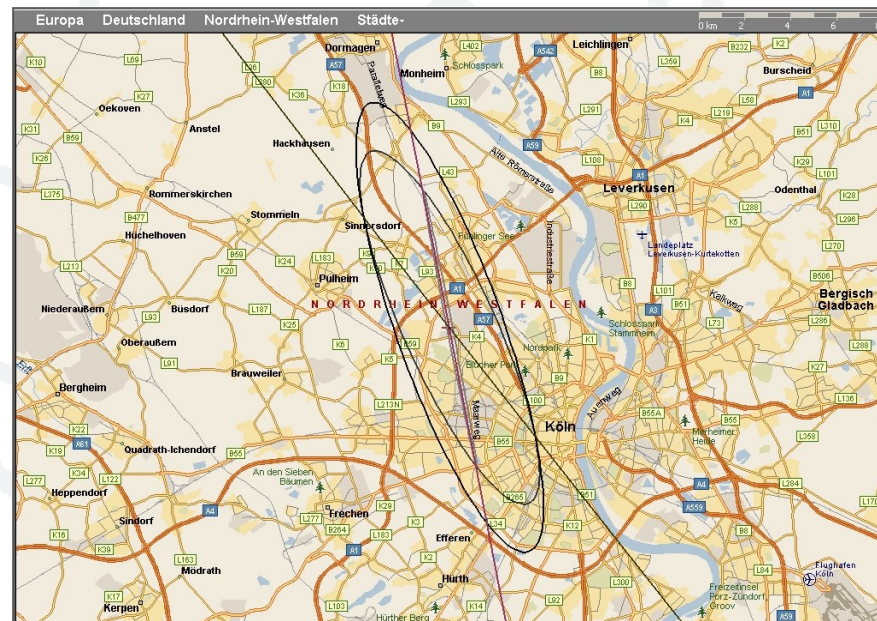
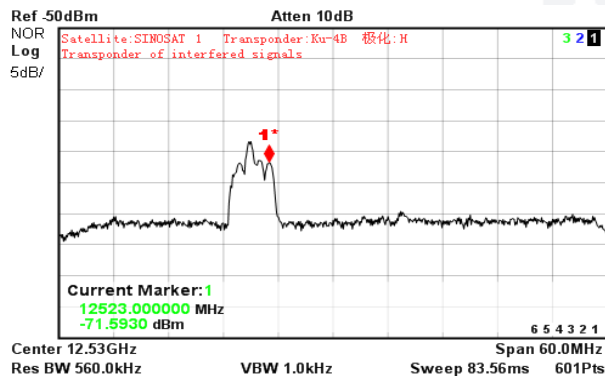


International Monitoring System:



Report SM.2181 (2010) :

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



International Monitoring System (IMS)

❑ RESOLUTION ITU-R 23-2 (2012)

Extension of the International Monitoring System to a worldwide scale

- ✓ To urge Adms in the IMS to continue and those wishing to be included to do so.
- ✓ Cooperation between Monitoring Stations (MS) of different Adms, in particular to solve harmful interference.
- ✓ To promote establishment of MS in those areas where there are inadequate facilities
- ✓ Data supplied by IMS may be contribute to BR to publish summary of useful info in application of Art16 RR.
- ✓ Training btwn Adms about techniques of monitoring, direction finding and geolocation.

- **New edition of the List of International Monitoring Stations - List VIII -**
 - Contains update of stations which meet the adequate technical standards .
 - One Main Objective: to provide info about monitoring stations around the world that may be available to collaborate with BR or other Administ. in the prompt elimination of Harmf. Interference
 - New format for better consultation and usability, recommended by WP-1C includes:
 - ✓ Preface in 6 working languages
 - ✓ List of Adms and Stations
 - ✓ Contact Info of Centralizing Office, Monitoring Stations for BR.
 - ✓ Map of Monitoring Stations
 - ✓ List of Member States and related Resolutions, ITU-R SM Reports and Recommendations.

International Monitoring System:



- ❑ **New edition of the List of International Monitoring Stations - List VIII -**

- ✓ **Adms with entries in LIST VIII are invited to review and update info:**
<http://www.itu.int/go/ITU-R/ListVIII>
->Data for review by administrations -> Submission of Data

- ✓ **Adms without entries in LIST VIII are invited to notify their Monitoring Stations which meet adequate technical standards**
<http://www.itu.int/go/ITU-R/ListVIII>
->Notification Forms -> Submission of Data

- ✓ **to submit info attached to an official electronic message addressed to brmail@itu.int**

Related RRB decisions:

RRB-62 (18-22/03/2013):

- considered that international cooperation for *monitoring and localization of the sources* of interference was *highly desirable*

The RRB also noted the suggestions for the BR:

- to conduct, in accordance with No. 16.5 of the Radio Regulations, *independent monitoring observations* to confirm the origin of interfering signals;
- to *create a database* of events of harmful interference, including intentional ones

Memorandum of Cooperation (MoC) with Monitoring stations:

- ✓ ***The BR is investigating*** possibility to use existing monitoring stations of the International Monitoring Systems **to perform measurements related to cases of reported Harmful Interference** and to perform measurements **to verify the compliance** of space stations in operation with the characteristics recorded in the MIFR;
- ✓ ***Planning to sign MoC*** with the Administrations/**IMS** capable of measurements in accordance with relevant recommendation;