



ITU RADIOCOMMUNICATION SECTOR AND BUREAU

November 2025



- Following the **consultation** by correspondence (Circular Letter **CL-25/40** of 29 August 2025) on the venue and dates of the 2027 Radiocommunication Assembly (**RA-27**) and World Radiocommunication Conference (**WRC-27**), the required majority of ITU Member States have given their agreement in accordance with **CV 42** of the ITU **Convention**
- Accordingly, **RA-27** and **WRC-27** will take place in **Shanghai, China**, from **11 October** to **12 November 2027**



FIXED-SATELLITE AND BROADCASTING-SATELLITE

- 1.1** – Aeronautical/maritime earth stations in motion
47.2-50.2 GHz / 50.4-51.4 GHz
- 1.2** – Uplink earth stations – 13.75-14 GHz
- 1.3** – Gateway earth stations – 51.4-52.4 GHz
- 1.4** – Fixed/broadcasting allocation in Region 3 – 17.3-17.7/8 GHz
- 1.5** – Unauthorized operations of non-geostationary-satellite orbit earth stations
- 1.6** – Space sustainability
37.5-42.5 GHz / 42.5-43.5 GHz / 47.2-50.2 GHz / 50.4-51.4 GHz
- 7** – Satellite regulatory issues

- 1.7** – IMT
4400-4800 MHz / 7125-8400 MHz / 14.8-15.35
- 1.8** – Radiolocation
231.5-275 GHz / 275-700 GHz
- 1.9** – Aeronautical mobile (OR) high frequency modernization
- 1.10** – Power flux-density / power limits
71-76 GHz / 81-86 GHz

FIXED, MOBILE AND RADIOLOCATION

MOBILE-SATELLITE

- Space-to-space links – 1.11**
1 518-1 544 MHz / 1 545-1 559 MHz
1 610-1 645.5 MHz / 1 646.5-1 660 MHz
1 670-1 675 MHz / 2 483.5-2 500 MHz
- New allocation in NGSO MSS low-data-rate – 1.12**
1427-1432 MHz / 1645.5-1646.5 MHz
1880-1920 MHz / 2010-2025 MHz
- MSS - IMT-space stations connectivity – 1.13**
- MSS - Additional allocations – 1.14**
2010-2025 MHz / 2160-2170 MHz
2 120-2 160 MHz

- Lunar communications – 1.15**
- Radio Quiet Zones – 1.16**
- Space weather sensors protection – 1.17**
- Earth exploration service protection – 1.18**
≥ 76 GHz
- Earth exploration-satellite service allocation – 1.19**
4200 – 4400 MHz / 8400-8500 MHz

SCIENCE

RADIOCOMMUNICATION BUREAU

Role and Mission

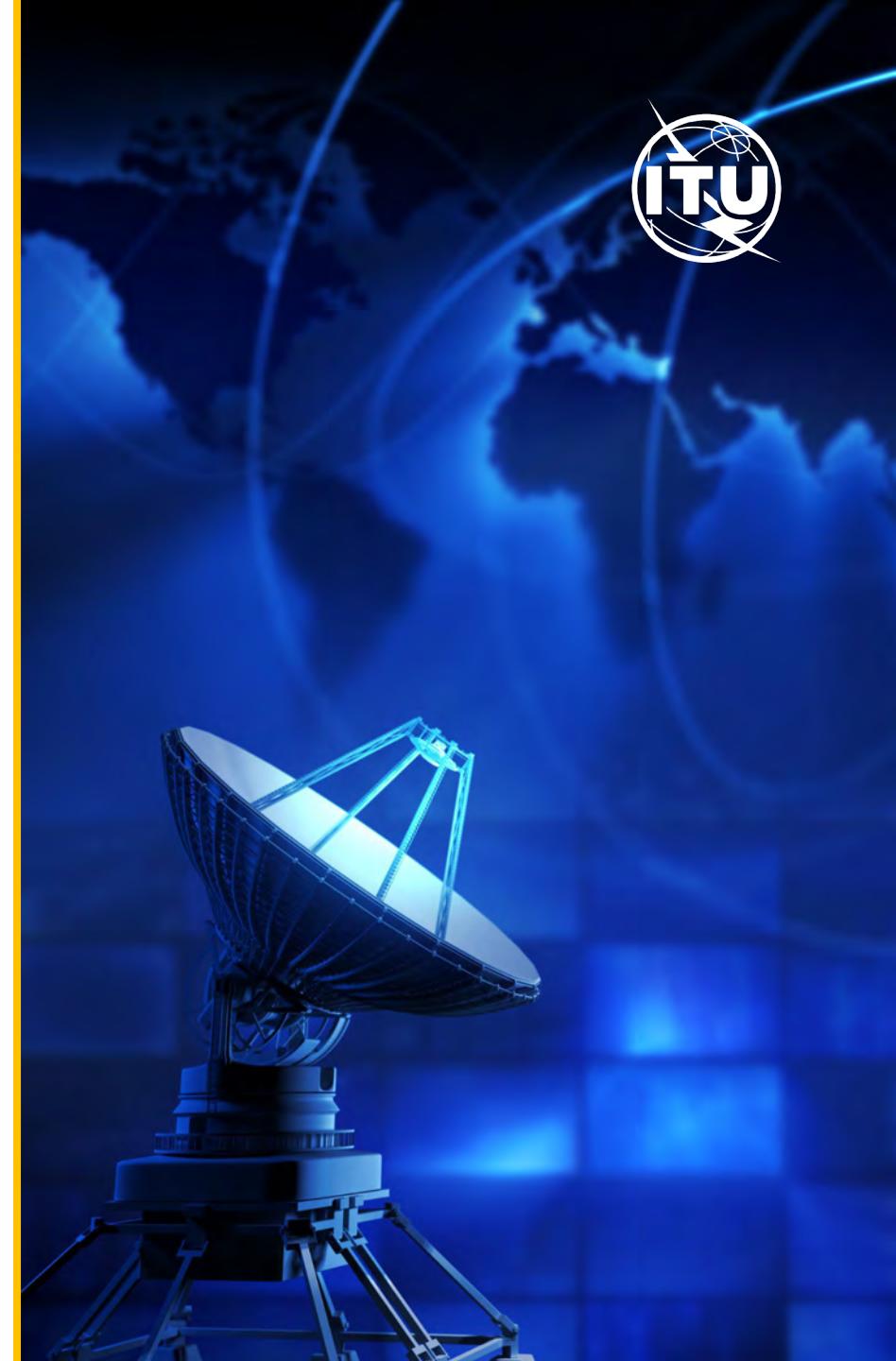
- Manages global radio-frequency spectrum and satellite orbits to ensure efficient use
- Implements **Radio Regulations** and prevents harmful interference
- Implements **WRCs' decisions** in a timely manner
- Maintains and updates the Master International Frequency Register (**MIFR**)
- Develops digital tools to enhance transparency, efficiency, global recognition, protection and outreach

Space Services Processing

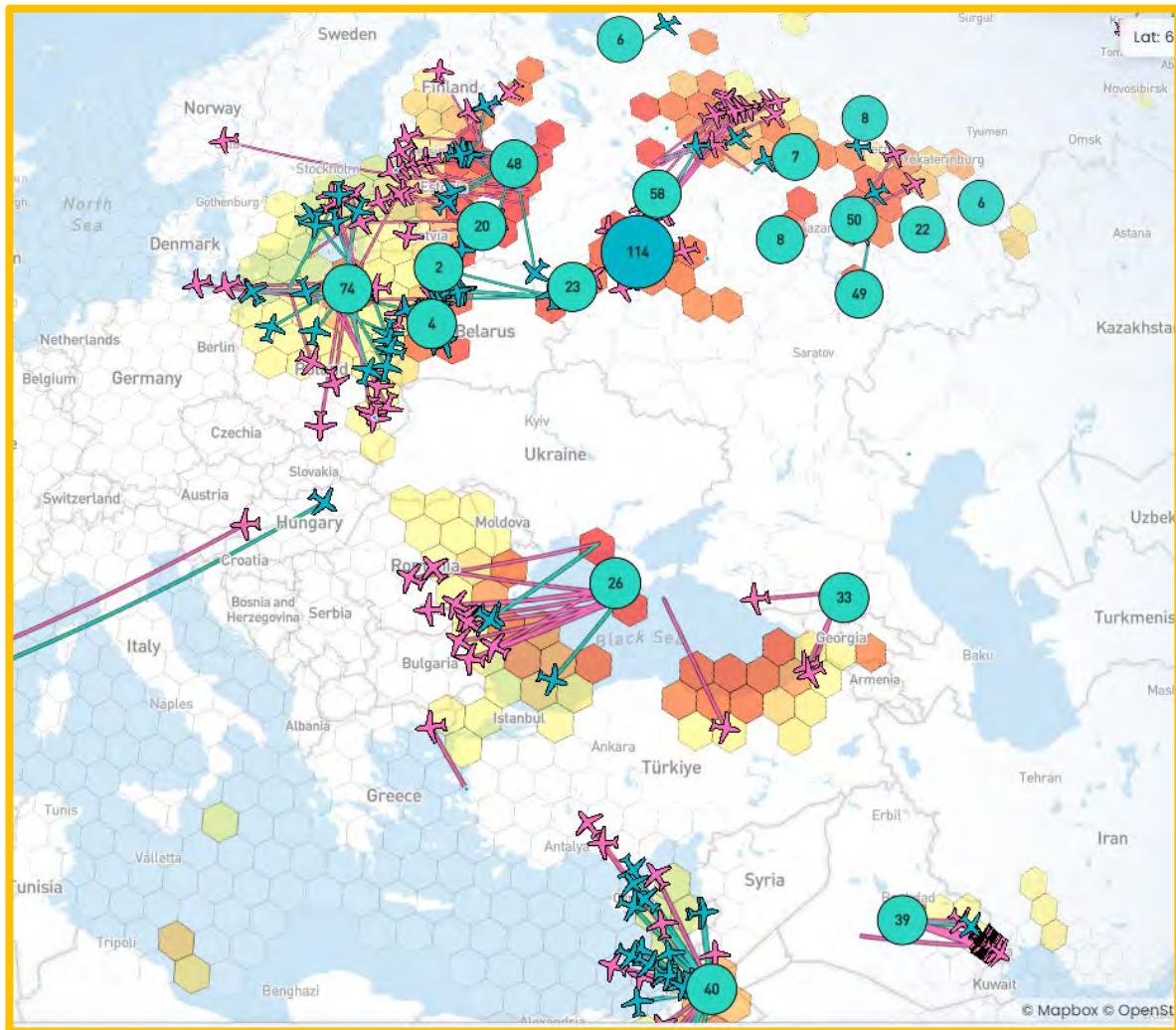
- Manages registration of frequency assignments for satellite networks, earth stations and radioastronomy stations
- Develops tools such as BR IFIC Online and Space Explorer* for global publication

Terrestrial Services Management

- Processes terrestrial notices through systems such as TerRaSys



* <https://www.itu.int/itu-r/space/apps/public/spaceexplorer/networks-explorer>



Rising Interference Incidents

- RNSS interference cases increased fivefold between 2023 and 2025
- [GPSwise | Live GPS Spoofing & Jamming Map](#)

Widespread Service Impact

- Jamming and Spoofing affects GPS, Galileo, GLONASS, BeiDou
- Disrupting information for Positioning, Navigation and Timing used by Airplanes, Maritime Vessels and Telecommunications Networks

Regulatory Actions Taken

- 3 UN Agencies joined efforts and signed a Joint Statement on 17 March 2025 to protect the RNSS
- BR is assisting Administrations preventing and resolving cases of harmful interference reported to the Radio Regulations Board

FUTURE GENERATION OF TERRESTRIAL AND SATELLITE MOBILE COMMUNICATIONS (IMT)

- Technical performance requirements for the terrestrial component of IMT-2030 (6G)
- Completing the preparatory work towards defining a framework for radio interfaces and technology trends of the satellite component of IMT-2030 (6G)

SATELLITE & SPACE

Reducing the backlog in processing satellite network filings

PREPARATIONS FOR WRC-27

- Advancing the work on sharing and compatibility studies in the ITU-R Study Groups in preparation for WRC-27. Topics include:
 - Direct-to-device
 - Co-existence of GSO and NGSO systems
- Organizing the **1st Inter-regional Information Session on WRC-27 Preparation (3-6 December)**

SPECTRUM MANAGEMENT & INTERFERENCE

Building capacity for ITU administrations in efficient spectrum management