

“The ITU - challenges in the 21st century”

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San Jose, Costa Rica

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Leading United Nations agency for ICTs

✓ **Founded on 17 May 1865**



5 Elected Officials

- ✓ **193 Member States,
>700 Sector Members, Associates
& Academia**
- ✓ **750 staff & >100 nationalities**
- ✓ **Annual budget = US\$ 180,000,000**



**4 regional offices,
8 area offices
HQ in Geneva,
Switzerland**



<http://www.itu.int>

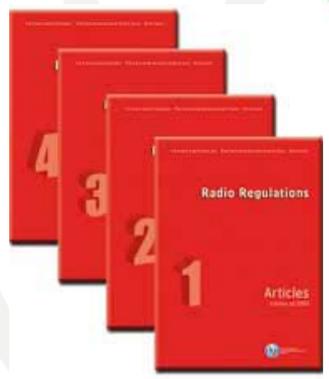
Structure



Radiocommunications
- regulations
- standards

Standardization

Development



Role of ITU



international regulations

global standards & guidelines

assistance to administrations

- ✓ Rights of access to the spectrum
- ✓ Efficient use of spectrum
- ✓ Operation free from interference
- ✓ Economies of scale
- ✓ Interoperability and roaming
- ✓ Global harmonization
- ✓ Guidelines for national & regional regulations

GOOD QUALITY
AND LESS COSTLY EQUIPMENT

MORE FAVORABLE INVESTMENT
ENVIRONMENT
(CLEAR, STABLE, PREDICTABLE)

*“To ensure **rational, equitable, efficient** and **economical** use of the **radio frequency spectrum** by all radiocommunication services - including those using the geostationary satellite orbit or other satellite orbits - and to carry out studies on radiocommunication matters” (ITU CS 78 & 196)*

“To ensure rational, equitable, efficient and economical use of the radio-frequency spectrum by all radiocommunication services, including those using satellite orbits, and to carry out studies and adopt recommendations on radiocommunication matters.”

Role conducted through (inter alia):

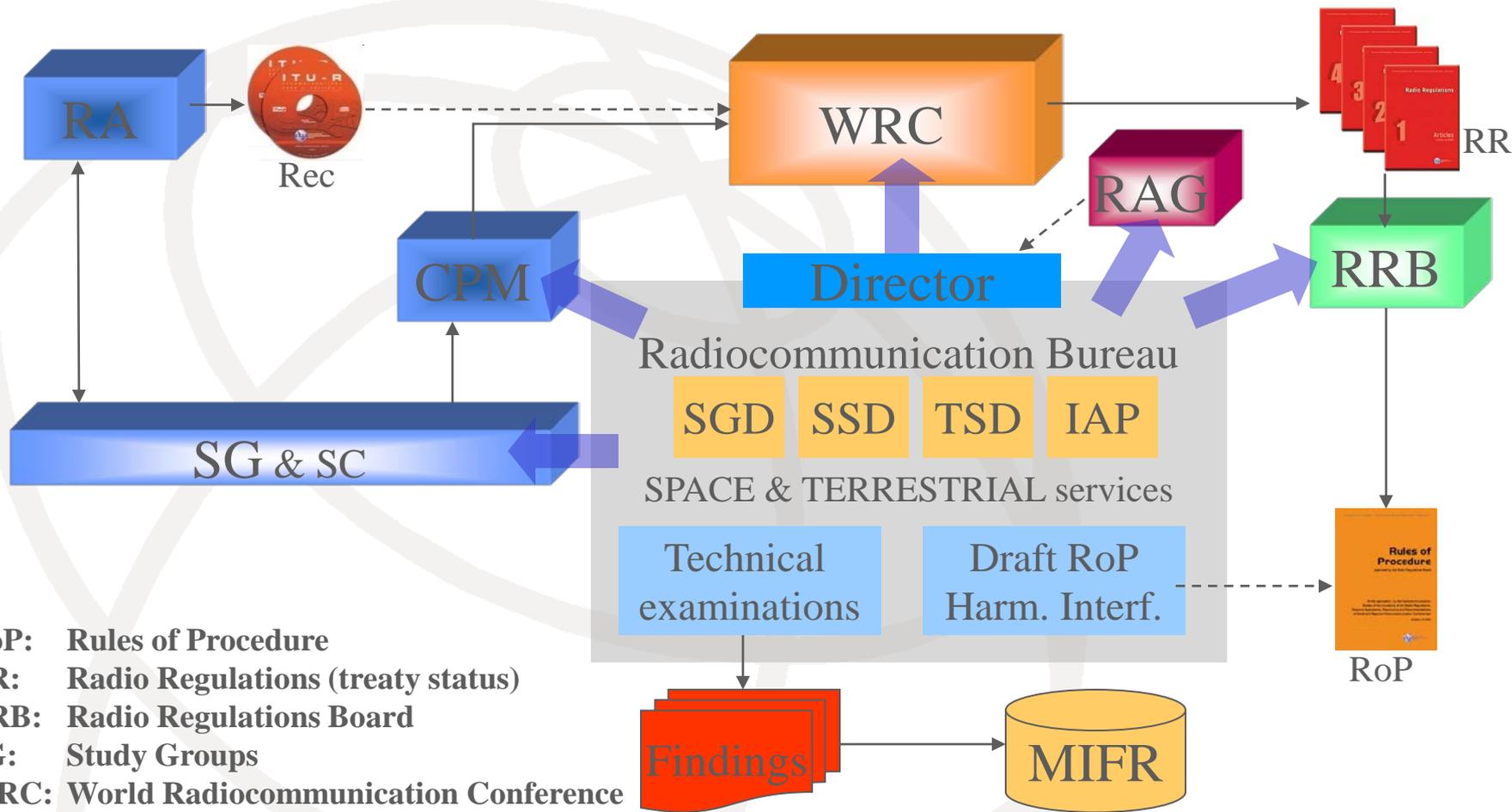
- ✓ World and Regional Radio-communication Conferences
- ✓ Radiocommunication Study Groups
- ✓ Radio Regulations Board
- ✓ Radiocommunication Bureau



In implementing this mission, the actions in ITU-R aim at creating the conditions for harmonized development and efficient operation of existing and new radiocommunication systems, taking due account of all parties concerned.

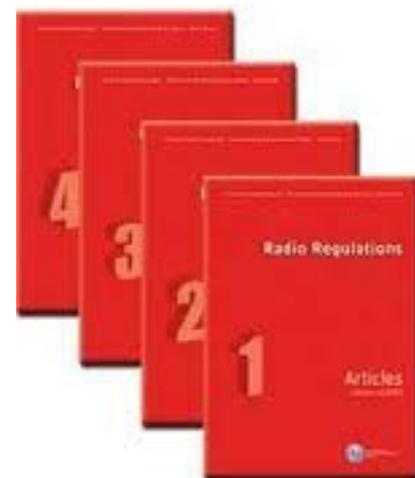
ITU-R structure & activities

Committed to Connecting the World

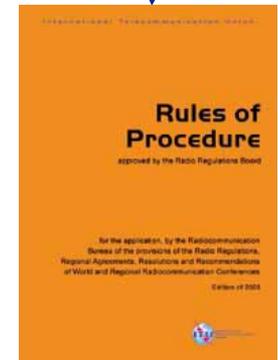


- RoP:** Rules of Procedure
- RR:** Radio Regulations (treaty status)
- RRB:** Radio Regulations Board
- SG:** Study Groups
- WRC:** World Radiocommunication Conference
- CPM:** Conference Preparatory Meeting
- MIFR:** Master International Frequency Registry
- RA:** Radiocommunication Assembly
- RAG:** Radiocommunication Advisory Group
- Rec:** Recommendations (international voluntary standards)

- Intergovernmental Treaty – *legal bindings* on all Member states, governing the use of spectrum/orbit resources by administrations
- Define the *rights* and *obligations* of Member States in respect of the use of these resources
 - Principles of use of *orbit/spectrum*
 - *Allocation* of frequency bands and *services*
 - *Procedures and Plans*
- Updated every 3-4 years by World Radiocommunication Conference, (WRC)



- ✓ Approves Rules of Procedure to facilitate the application of the Radio Regulations
- ✓ Considers cases of harmful interference & appeals against BR decisions on frequency assignment
- ✓ Part-time elected members & max. 3 or 4 meetings/year



Space Services

- ✓ *Coordination and recording* procedures for space systems and earth stations: capture, processing and publication of data and examination of frequency assignment notices submitted by administrations for inclusion in the formal coordination procedures or recording in the Master International Frequency Register (MIFR).
- ✓ Procedures for *space related assignment or allotment plans*
- ✓ *Assistance* to administrations on all of the above issues

Terrestrial Services

✓ Regulatory and Technical Functions

- Broadcasting / Fixed and Mobile / Maritime Mobile / Aeronautical Mobile

✓ Terrestrial Plans

- AP25, AP26, AP27, ST61, GE75, RJ81, GE84, GE85M, GE85N, RJ88, GE89, GE06

✓ HF Broadcasting (Art.12)

✓ Administrative and Operational Procedures

- International means of identification
 - all sign series / maritime identification digits / blocks of selective call sign numbers
- Service Documents
 - Ship stations / coast stations / radio determination / call signs / MARS, etc

✓ Harmful interference & monitoring programs

SG 1: Spectrum management
SG 3: Radiowave propagation
SG 4: Satellite services
SG 5: Terrestrial services
SG 6: Broadcasting service
SG 7: Science services

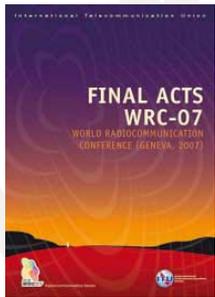
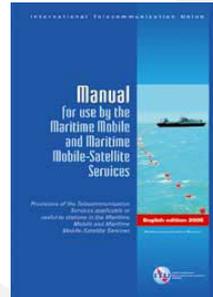
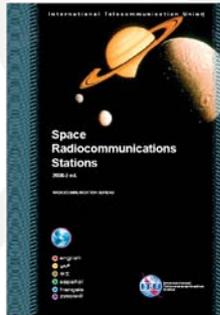
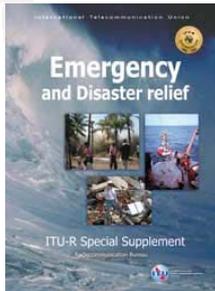
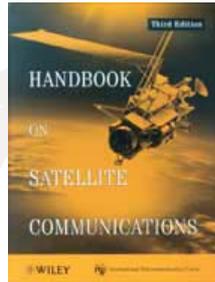
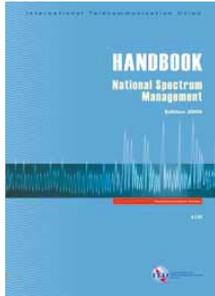
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- ✓ **> 900 Recommendations**
 - ✓ **“Standards” in areas of spectrum management and radio technology**
 - ✓ **Result of consensus from meetings of world-wide experts**
 - ✓ **Some referred to in RR**
 - ✓ **Used by spectrum planners and system designers**

In addition:

CCV: Coordination Committee for Vocabulary

CPM: Conference Preparatory Meeting

SC: Special Committee on regulatory and procedural matters



- BR International Frequency Information Circular (IFIC)
- Space Radiocommunication Stations on DVD-ROM
- Radio Regulations
- Service documents
- ITU-R Recommendations
 - Online subscriptions
 - CD/DVD-ROM
 - Paper
- Handbooks

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Merci!

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