

An Introduction to ITU

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Outline

- *What is the ITU?*
- *What the ITU does?*
- *How the ITU Works?*
- *Short History of ITU*



ITU / UIT

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Source: ITU News 1/90

What is the ITU?

- *Intergovernmental Organization for development of telecommunications in which also non-governmental entities participate*
- *Founded 1865, specialized UN Agency since 1947*
 - ~190 Member Countries (decide)
 - ~600 Sector Members (advise)

Who Can Participate in ITU Work

- *All ITU members:*
 - Study Groups, Advisory Groups
 - Radiocommunication Assemblies,
 - Telecommunication Standardization Conferences
 - Development Conferences
- *Member Countries only*
 - Plenipotentiary Conferences
 - Radiocommunication Conferences
 - (but each country is sovereign in appointing its representatives)

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What the ITU does?

- *International regulations and plans*
- *Management radio frequency spectrum*
- *Standards and recommendations*
- *Assistance to developing countries*

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How the ITU Works?

- *Plenipotentiary Conferences, Council*
- *World Conferences on International Telecommunications*
- *Three ITU Sectors*
- *General Secretariat*

PP Conferences

- *Supreme authority of ITU*
- *Sets tasks, organization, plans, budget*
- *Elects Council Member Countries*
- *Elects 5 high officials and 12 RRB members*
- *One country – one voice. Consensus.*
- *Meets every 4 years*
PP 2002: 23 Sept – 18 Oct, Morocco

PP Kyoto 1994 Plenary Session



Source: ITU Newsletter 10/94

Council

- *46 Member Countries*
- *Oversees the ITU work between PPs*
- *Meet every year*

Countries Elected to Council (1)

<i>Algeria</i>	<i>Cameroon</i>	<i>Denmark</i>	<i>Italy</i>
<i>Argentina</i>	<i>Canada</i>	<i>Egypt</i>	<i>Japan</i>
<i>Australia</i>	<i>China</i>	<i>France</i>	<i>Kenya</i>
<i>Brazil</i>	<i>Côte d'Ivoire</i>	<i>Gabon</i>	<i>Korea (Rep.)</i>
<i>Bulgaria</i>	<i>Cuba</i>	<i>Germany</i>	<i>Kuwait</i>
<i>Burkina Faso</i>	<i>Czech Rep.</i>	<i>India</i>	<i>Malaysia</i>

Countries Elected to Council (2)

<i>Mali</i>	<i>Portugal</i>	<i>Senegal</i>	<i>Tunisia</i>
<i>Mexico</i>	<i>Romania</i>	<i>South Africa</i>	<i>United Kingdom</i>
<i>Morocco</i>	<i>Russia</i>	<i>Spain</i>	<i>United States</i>
<i>Pakistan</i>	<i>Saint Lucia</i>	<i>Switzerland</i>	<i>Venezuela</i>
<i>Philippines</i>	<i>Saudi Arabia</i>	<i>Tanzania</i>	<i>Vietnam</i>
<i>Poland</i>		<i>Thailand</i>	

Elected ITU Officials



Houlin Zhao (China), Robert Jones (Can.), Yoshio Utsumi (Japan),
Hamadoun Toure' (Mali), Roberto Blois (Brasil)

Elected ITU RRB Members



(1) H Railton (NZ), M Javed (Pak), J Tandoh (Ghana), R Agarwal (India),
JB Yao (Cote d'Ivoire), C Merchan (Mex), V Timofeev (Rus)
(2) R Jones (Can), R Struzak (Pol), A Toumi (Mrc), P Abouardham (F),
G Kovacs (H), J Carrol (USA)

Source: ITU News 3/99

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Radiocommunication Sector

- Tasks
- Radiocommunication Conferences
- Study Groups and Assemblies
- Radio Regulations Board
- Bureau

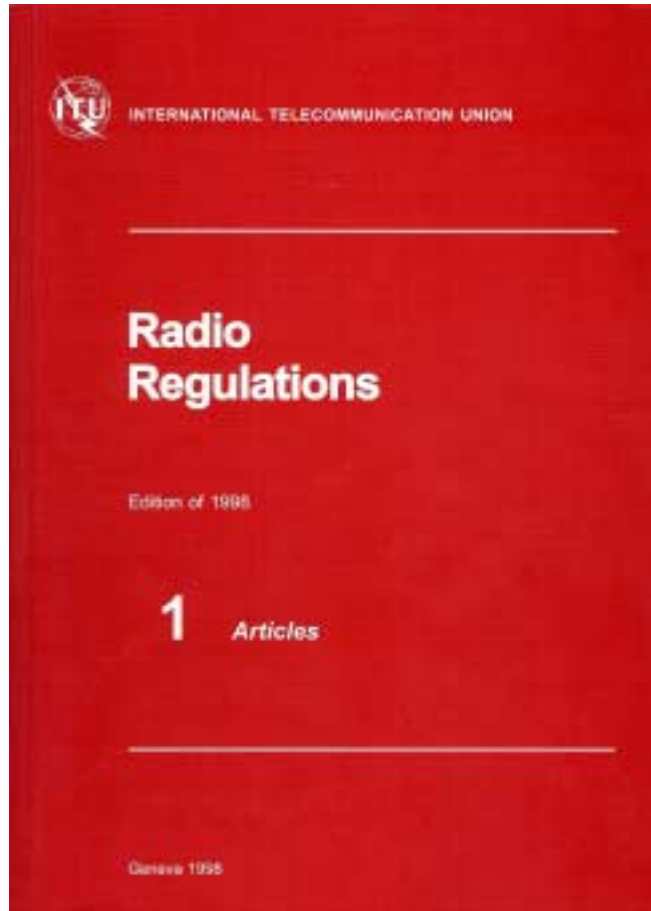
Tasks of Radiocommunication Sector

- *To ensure rational, equitable, efficient use of the radio-frequency spectrum and satellite orbits*
 - Treaty-level Radio Regulations
 - Recommendations
- *To register the frequency and orbital positions assignments made by the Member States*
- *To maintain the relevant master databases*

Radiocommunication Conferences

- *Supreme body in world-wide management and regulation of the radio frequency spectrum*
- *The body authorized to revise RR*
- *Held normally every two years*
- *Base on the national studies and the work of Study Groups*

Radio Regulations (RR)



- International Treaty
- Basic agreement on the uses made of radio frequencies
- 4 Volumes, ~2000 pages
- Complemented by the RRB “Rules of Procedures”

RRS04

“All [radio] stations...must be established and operated in such a manner as not to cause harmful interference to the radio services...of other [ITU] Members...which operate in accordance with the provisions of these regulations.”

» [RRS04 and No.197 of the ITU Constitution]

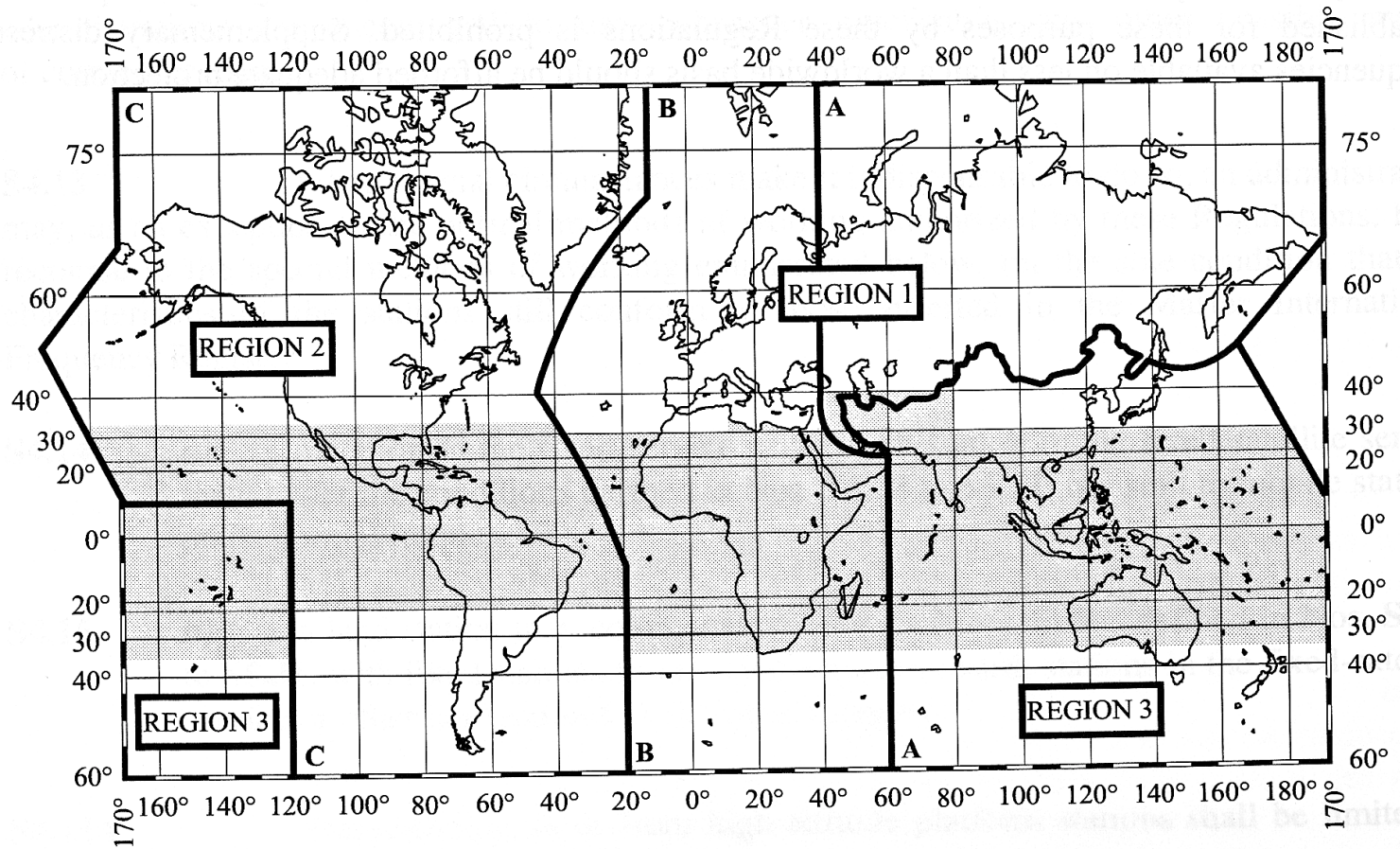
RR Frequency Allocation Table

Allocation to services			
Region 1	Region 2	Region 3	
1 525-1 530 SPACE OPERATION (space-to-Earth) FIXED MOBILE-SATELLITE (space-to-Earth) Earth exploration-satellite Mobile except aeronautical mobile S5.349 S5.341 S5.342 S5.350 S5.351 S5.352A S5.354	1 525-1 530 SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Earth exploration-satellite Fixed Mobile S5.343 S5.341 S5.351 S5.354	1 525-1 530 SPACE OPERATION (space-to-Earth) FIXED MOBILE-SATELLITE (space-to-Earth) Earth exploration-satellite Mobile S5.349 S5.341 S5.351 S5.352A S5.354	Regions
1 530-1 535 SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) S5.353A Earth exploration-satellite Fixed Mobile except aeronautical mobile S5.341 S5.342 S5.351 S5.354	1 530-1 535 SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) S5.353A Earth exploration-satellite Fixed Mobile S5.343 S5.341 S5.351 S5.354		Footnotes
1 535-1 559	MOBILE-SATELLITE (space-to-Earth) S5.341 S5.351 S5.353A S5.354 S5.355 S5.356 S5.357 S5.357A S5.359 S5.362A		
1 559-1 610	AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) S5.341 S5.355 S5.359 S5.363		

GHz

Services

RR Regions



The shaded part represents the Tropical Zones as defined in Nos. S5.16 to S5.20 and S5.21.

S5-01

RRB

- *Supreme, independent body that decides on solving problems in international management, regulation and use of the radio spectrum between Radio Conferences*
- *Sets “Rules of Procedure”*
- *Consists of 12 members elected by PP. RRB Members serve as “custodians of an international public trust” and do not represent their countries.*
- *They work on a part-time basis and meet normally 4 times a year for 5 days. They do not receive salary from ITU*

Study Groups

- *Study technical & operational questions*
- *Produce technical bases for negotiations at ITU Radio Conferences*
- *Produce recommendations for approval*
- *Consist of Experts (>>1500) delegated by governments & non-governmental entities (at their cost)*

Standardization Sector

- *Tasks*
 - Solve technical, operational and tariff questions with a view of standardizing all telecommunications (wired and wireless) on worldwide basis.
- *Telecommunications Standardization Conferences and Study Groups*
- *Bureau*

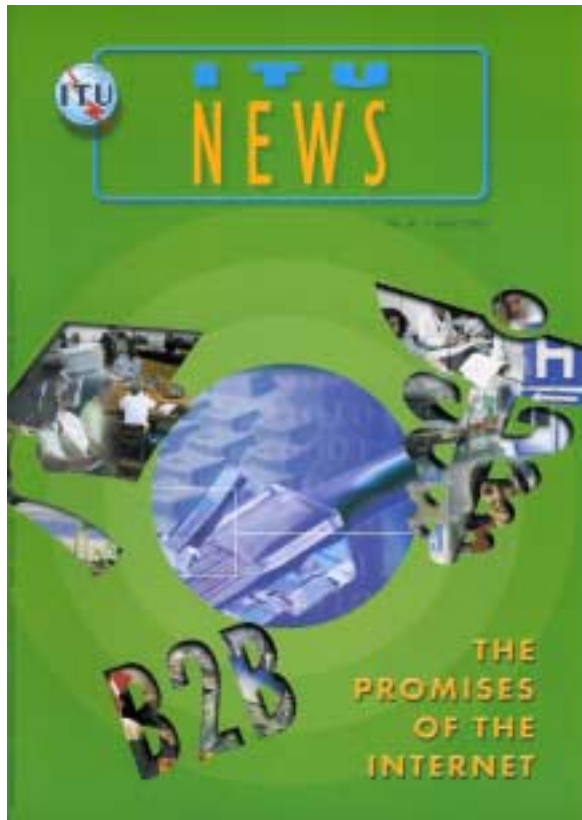
Development Sector

- *Tasks*
 - To discharge the Union's dual responsibility as a UN specialized agency and executing agency for implementing projects under the UN development system or other funding arrangements.
- *Development Conferences, Study Groups*
 - 2002 Conference: 18 – 27 March in Istanbul, Turkey
- *Bureau*

The General Secretariat

- *The ITU Secretary-General is the legal representative of the Union.*
- *With the Coordination Committee and Secretariat, he coordinates the Union's activities and prepares policies and plans for the Union (for approval by PP) .*
- *Assisted in these duties by the Deputy Secretary-General, he is also responsible to the PP and Council for the administrative and financial issues.*

ITU Publications



- ITU publishes a multitude of documents, see www.itu.int/publications
- Working documents are free for the participants
- Final documents are available at a cost
- ITU News (Online edition: <http://www.itu.int/itunews>)

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Short History of ITU

ITU videotape (~12')

“Towards Universal Telecommunications”

Thank you for your attention