

RESOLUTION ITU-R 4-8

Structure of Radiocommunication Study Groups

(1993-1995-1997-2000-2003-2007-2012-2015-2019)

The ITU Radiocommunication Assembly,

considering

- a) No. 133 and Article 11 of the ITU Convention;
- b) that the work of the Radiocommunication Study Groups is involved with developing the technical, operational and procedural bases for efficient use of the radio spectrum and the geostationary-satellite orbit;
- c) that cooperation between the Radiocommunication Sector and international and regional organizations with regard to the development of standards for radiocommunication systems and operations would provide considerable benefits,

resolves

- 1 that six Radiocommunication Study Groups shall be set up as shown in Annex 1;
- 2 that, in liaison with the Telecommunication Standardization Sector, the Telecommunication Development Sector, the ITU General Secretariat and with other interested organizations, the Radiocommunication Bureau organizes the work of a Coordination Committee for Vocabulary, the scope of which is given in Annex 2.

ANNEX 1

The Radiocommunication Study Groups**STUDY GROUP 1****SPECTRUM MANAGEMENT**

(Spectrum planning, utilization, engineering, sharing and monitoring)

Scope:

Spectrum management principles and techniques, general principles of sharing, spectrum monitoring, long-term strategies for spectrum utilization, economic approaches to national spectrum management, automated techniques and assistance to developing countries in cooperation with the Telecommunication Development Sector.

	Name	Country/Org.
Chairman	Mr W. Sayed	Egypt
Vice-Chairmen	Mr G. Abdullayev	Azerbaijan
	Mr A.W. Ahmed	Iraq
	Mr J. Al Mahruqi	Oman
	Mr M. Ayoub	Lebanon
	Mr G. Chand	India
	Mr S. Coulibaly	Mali
	Mr R. Garcia de Souza	Brazil
	Mr M. Haji	Kenya
	Mr T.H. Le	Viet Nam
	Dr I.-K. Lee	Korea (Rep. of)
	Mr A. Nalbandian	Armenia
	Dr G. Owen	Netherlands
	Mr A. Scotti	Italy
	Ms T. Sukhodolskaia	Russian Federation
	Ms B.J. Sykes	United States
	Ms S. Zairi	Morocco
	Mr Zheng Zhao	China

STUDY GROUP 3

RADIOWAVE PROPAGATION

Scope:

Propagation of radio waves in ionized and non-ionized media and the characteristics of radio noise, for the purpose of improving radiocommunication systems.

	Name	Country/Org.
Chairman	Ms C. Wilson	Australia
Vice-Chairmen	Ms C. Allen	United Kingdom
	Mr T. Al-Saif	Kuwait
	Mr G.A.-A. Aws Majeed	Iraq
	Mr S.-H. Bae	Korea (Rep. of)
	Mr A. Belkhadir	Morocco
	Mr L. Castanet	France
	Mr Y.R.M. Dhossa	Togo
	Ms O. Iastrebtsova	Russian Federation
	Mr M. Pattanaik	India
	Mr Zhenwei Zhao	China

STUDY GROUP 4

SATELLITE SERVICES¹

Scope:

Systems and networks for the fixed-satellite service, mobile-satellite service, broadcasting-satellite service and radiodetermination-satellite service.

	Name	Country/Org.
Chairman	Mr V. Strelets	Russian Federation
Vice-Chairmen	Mr A. Alnajdi	Saudi Arabia
	Mr T.A. Ashong	Ghana
	Mr D. Badirkhanov	Azerbaijan
	Mr H. Belaid	Algeria
	Ms F. Cheng	China
	Mr A. Damiba	Burkina Faso
	Dr P.K. Jain	India
	Mr T.G. Kim	Kazakhstan
	Mr G. Koffi Yao	Ivory Coast
	Mr T. Kono	Japan
	Ms F. Magnier	France
	Mr I. Mokarrami	Iran (Islamic Republic of)
	Mr M.O. Ndi	Canada
	Mr S.-K. Park	Korea (Rep. of)
	Mr N.P. Phung	Viet Nam
	Ms L. Rabelo Novato Ferreira	Brazil
	Mr O.F. Ramírez Soberanis	Mexico
	Mr V. Yanikgönül	Turkey
	Ms F. Zergani	Morocco

¹ Study Groups 4 and 6 are invited to work together in joint activities, including possible joint meetings to resolve assignment of Questions related to the broadcasting-satellite service, following the guidelines below:

- 1) All Questions, or part of Questions, addressing sharing shall be assigned to Study Group 4.
- 2) All Questions, or part of Questions, addressing frequency usage shall be assigned to Study Group 4.
- 3) All Questions, or part of Questions, addressing performance objectives and quality of service shall be assigned to Study Group 6.
- 4) All Questions, or part of Questions, addressing RF performance requirements of satellite links to meet the service requirements specified by Study Group 6, shall be assigned to Study Group 4.

STUDY GROUP 5
TERRESTRIAL SERVICES

Scope:

Systems and networks for fixed, mobile, radiodetermination, amateur and amateur-satellite services.

	Name	Country/Org.
Chairmen	Mr M. Fenton	United Kingdom
Vice-Chairmen	Mr M. Abdelghany	Egypt
	Mr R. Alakbarli	Azerbaijan
	Mr S. Al-Balooshi	United Arab Emirates
	Mr Y. Alshoudokhi	Saudi Arabia
	Mr J. André	France
	Dr H. Atarashi	Japan
	Mr A.S. Calinciuc	Romania
	Mr A. Darvishi	Iran (Islamic Republic of)
	Ms O. Jammeli	Tunisia
	Mr A. Latrache	Morocco
	Dr H. Mazar	ATDI
	Mr M. Omer	Sudan
	Mr A. Pandey	India
	Dr B. Patten	United States
	Mr J.P. Rocha López	Mexico
	Prof. Dr S. Shavgulidze	Georgia
	Mr A. Shurakhov	Russian Federation
	Ms J. Song	Korea (Rep. of)
	Mr Z.B. Tah	Ivory Coast
	Mr Y. Wan	China

STUDY GROUP 6

BROADCASTING SERVICE¹

Scope:

Radiocommunication broadcasting, including vision, sound, multimedia and data services principally intended for delivery to the general public.

Broadcasting makes use of point-to-everywhere information delivery to widely available consumer receivers. When return channel capacity is required (e.g. for access control, interactivity, etc.), broadcasting typically uses an asymmetrical distribution infrastructure that allows high capacity information delivery to the public with lower capacity return link to the service provider. This includes production and distribution of programmes (vision, sound, multimedia, data, etc.) as well as contribution circuits among studios, information gathering circuits (ENG, SNG, etc.), primary distribution to delivery nodes, and secondary distribution to consumers.

The Study Group, recognizing that radiocommunication broadcasting extends from the production of programmes to their delivery to the general public, as detailed above, studies those aspects related to production and radiocommunication, including the international exchange of programmes as well as the overall quality of service.

	Name	Country/Org.
Chairman	Dr Y. Nishida	Japan
Vice-Chairmen	Mr T. Aguiar Soares	Brazil
	Mr A.S. Al Araimi	Oman
	Mr A.M. Ambani	Kenya
	Mr I. Angri	Morocco
	Mr M.S. Ansari	India
	Mr Ch. Dosch	Germany
	Mr A.J. Kisaka	Tanzania
	Mr A. Lashkevich	Russian Federation
	Mr P. Lazzarini	Vatican City State
	Mr W. Sami	EBU
	Mr F. Ukwela	Nigeria
	Mr J. Xie	China

STUDY GROUP 7

SCIENCE SERVICES

Scope:

- 1 Systems for space operation, space research, Earth exploration and meteorology, including the related use of links in the inter-satellite service.
- 2 Systems for remote sensing, including passive and active sensing systems, operating on both ground-based and space-based platforms.
- 3 Radio astronomy and radar astronomy.
- 4 Dissemination, reception and coordination of standard-frequency and time-signal services, including the application of satellite techniques, on a worldwide basis.

	Name	Country/Org.
Chairman	Mr J. Zuzek	United States
Vice-Chairmen	Mr M.M. Abdelhaseeb	Egypt
	Mr A. Amin	United Arab Emirates
	Mr B. Dudhia	United Kingdom
	Mr R. Han	China
	Mr P.V. Kumaramohan	India
	Mr A. Maiwada	Nigeria
	Dr Eng. R. Mezui Mintsa	Gabon
	Mr R. Nurshabekov	Kazakhstan
	Mr J. Pla	France
	Dr H. Rhee	Korea (Rep. of)
	Mr A. Taleb	Morocco
	Mr I.V. Zheltonogov	Russian Federation

ANNEX 2

CCV**COORDINATION COMMITTEE FOR VOCABULARY***Scope:*

Coordination and approval in close collaboration with the Radiocommunication Study Groups, the General Secretariat (Conferences and Publications Department) and other interested organizations (mainly the International Electrotechnical Commission (IEC)), concerning:

- vocabulary, including abbreviations and initials;
- related subjects (quantities and units, graphical and letter symbols).

	Name	Country/Org.
Chairman	Mr Ch. Rissone	France
Vice-Chairmen	Mr M. Al Hassani	United Arab Emirates
	Ms O. Khimach	Russian Federation
	Mr B. Libondzi	Gabon
	Mr C. Menéndez Argüelles	Spain
	Dr C. Xie	China
	Mr G. Yayi	Benin