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INTERNATIONAL TELECOMMUNICATION UNION

REPORT ON THE ACTIVITIES OF THE INTERNATIONAL TELECOMMUNICATION UNION in 1995

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1. INTRODUCTION

This Report is published pursuant to the provisions of No. 102 of the Convention of the International Telecommunication Union (Geneva, 1992), which provides that the Secretary-General shall "with the assistance of the Coordination Committee, prepare an annual report on the activities of the Union which, after approval by the Council, shall be sent to all Members".

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2. MEMBERSHIP OF THE UNION

2.1 Since there were no new admissions in 1995, the number of Members of the Union remains the same as in 1994, i.e., 184.

2.2 In the course of 1995, thirteen Members ratified, and four Members acceded to, the Constitution and Convention of the ITU (Geneva, 1992), thus bringing to seventy-nine the total number of ratifications and accessions as at 31 December 1995. Also in 1995, three Members ratified the Instruments amending the ITU Constitution and Convention (Geneva, 1992) adopted by the Plenipotentiary Conference (Kyoto, 1994). Recommendation 1 of the Kyoto (1994) Plenipotentiary Conference inviting ITU's Members to expedite their respective national procedures for ratification, acceptance, approval of, or accession to the Constitution and Convention (Geneva, 1992) was brought by the Secretary-General to the attention of all the Members.

2.3 Table I, in Annex 1 to the present Report, shows the situation of Members with respect to the Constitution and Convention of Geneva, 1992, as at 31 December 1995, together with the Administrative Regulations which complement it. It also includes the situation with respect to the Instruments amending the Constitution and Convention (Kyoto, 1994). Annex 1 also gives information regarding certain other conventions and agreements relating to telecommunications.

* * * * *

3. THE COUNCIL

3.1 The 1995 session of the Council was held at the ITU Headquarters from 21 to 30 June 1995. It was attended by representatives of the 46 Members of the Council, namely:

Algeria (People's Democratic Republic of), Germany (Federal Republic of), Saudi Arabia (Kingdom of), Argentine Republic, Australia, Bahamas (Commonwealth of the), Benin (Republic of), Brazil (Federative Republic of), Bulgaria (Republic of), Burkina Faso, Cameroon (Republic of), Canada, Cape Verde (Republic of), Chile, China (People's Republic of), Korea (Republic of), Cuba, Denmark, Egypt (Arab Republic of), Spain, United States of America, France, India (Republic of), Indonesia (Republic of), Italy, Japan, Kenya (Republic of), Kuwait (State of), Mali (Republic of), Morocco (Kingdom of), Mexico, Nigeria (Federal Republic of), Pakistan (Islamic Republic of), Philippines (Republic of the), Poland (Republic of), Portugal, Romania, United Kingdom of Great Britain and Northern Ireland, Russian Federation, Senegal (Republic of), South Africa (Republic of), Switzerland (Confederation of), Tanzania (United Republic of), Thailand, Ukraine, Viet Nam (Socialist Republic of). Also, in the framework of Resolution 10 (Kyoto, 1994), the Session was attended by one observer of the following ten Observer Members, i.e., Belgium, Lebanon, Norway, Kingdom of the Netherlands, Syrian Arab Republic, Slovak Republic, Czech Republic, Republic of Singapore, Sweden, Turkey.

3.2 At its First Plenary Meeting of the 1995 Session, the Council adopted its new working methods and structure, following the proposals put forward by the working group which the Council had established in 1992 to that effect.

3.3 Mr. D. Charoenphol (Thailand) and Mr. K. Mirski (Bulgaria) were elected Chairman and Vice-Chairman of the Council, respectively, and the following Committees were set up:

Standing Committee 1 - Finance

Chairman : Mr. D. Garnier (France)
Vice-Chairman : Mr. L. A. Bethel (Bahamas)

Standing Committee 2 - Staff and Pensions

Chairman : Mr. A. B. Mapunda (Tanzania)
Vice-Chairman : Mr. R. R. A. Sa (Brazil)

3.4 The Resolutions and Decisions adopted by the Council are summarized below:

3.4.1 Financial matters

3.4.1.1 *Biennial budget of the ITU for 1996-1997*

The Council approved the biennial budgets for 1996-1997, namely:

- the ordinary budget amounting to 294,862,000 Swiss francs;
- the publications budget amounting to 28,035,000 Swiss francs.

The contributory unit for 1996 was set at:

- for Members: 332,000 Swiss francs;
- for entities and organizations: 66,400 Swiss francs.

The contributory unit for 1997 was set at:

- for Members: 334,000 Swiss francs;
- for entities and organizations: 66,800 Swiss francs.

(Resolution 1071)

3.4.1.2 *Financial Operating Report for 1994*

The Council approved the Financial Operating Report and the Management Report of the ITU Staff Superannuation and Benevolent Funds for 1994.

(Resolution 1072)

3.4.1.3 *External Audit of ITU Accounts*

The Council approved the accounts of the ITU for 1994 as drawn up and audited by the External Auditor appointed by the Swiss Confederation.

(Resolution 1073)

3.4.1.4 *Special Interest Accounts*

The Council decided that the Special Interest Accounts of 405,336.90 and 27,897.75 Swiss francs shall be written off and offset by corresponding withdrawals from the Reserve for Debtors' Accounts.

(Resolution 1074)

3.4.1.5 *Exhibition Working Capital Fund*

The Council decided to withdraw a sum of 1,549,132.28 Swiss francs from the Exhibition Working Capital Fund to amortize the shortfall in income in the Technical Cooperation Special Accounts on 31 December 1994.

(Decision 457)

3.4.1.6 *Amount owed by IRIS-ETT, Sarajevo, Bosnia and Herzegovina*

The Council decided that the amount of 152,671.10 Swiss francs owed by IRIS-ETT as unpaid contributions and accrued interest shall be written off and offset by a withdrawal from the Reserve for Debtors' Accounts.

(Decision 458)

3.4.1.7 *Amount owed by Elocorp Int., Brunswick, USA*

The Council decided that the amount of 139,378.85 Swiss francs owed by Elocorp Int. as unpaid contributions and accrued interest shall be written off and offset by a withdrawal from the Reserve for Debtors' Accounts.

(Decision 459)

3.4.2 Staff and Pension Matters

3.4.2.1 *Conditions of employment*

The Council approved the salaries with effect from 1 March 1995 and amended the Staff Regulations and Staff Rules for elected officials.

(Resolution 1075)

3.4.2.2 *Staff Regulations applicable to Elected Officials*

The Council approved a number of amendments to the Staff Regulations applicable to elected officials and resolved that such amendments were to enter into force on 1 July 1995.

(Resolution 1076)

3.4.2.3 *Appointed staff of the Union standing for election or elected to an elected official post*

The Council adopted a number of amendments to the Staff Regulations and Staff Rules for appointed staff in order to take into account the decision taken by the ITU Plenipotentiary Conference (Kyoto, 1994) with respect to the question of appointed staff standing for election and resolved that such amendments were to enter into force on 1 July 1995.

(Resolution 1077)

3.4.2.4 *Amendments to the Regulations for the Staff Superannuation and Benevolent Funds of the ITU*

The Council adopted an amendment to Article 86, paragraph 1, of the Regulations for the Funds and resolved that it was to enter into force on 1 July 1995.

(Resolution 1078)

3.4.2.5 *Membership of the ITU Staff Pension Committee*

The Council appointed the following persons to represent the Council on the ITU Staff Pensions Committee:

Members	Alternate Members	Term of Office
Mr. D. GARNIER (France)	Mr. W. LISKA (Romania)	Until the 1996 ordinary session of the Council
Mr. R. MAGA (Cameroon)	Mrs. A. PILERI (Italy)	Until the 1997 ordinary session of the Council
Mr. L. WEINTRAUB (United States)	Mr. MAI LIEM TRUC (Viet Nam)	Until the 1998 ordinary session of the Council

(Resolution 1079)

3.4.2.6 *Managed renewable terms (MRT) appointments*

The Council resolved to authorize the Secretary-General to implement the MRT contract system on a provisional basis and amended provisionally, to that effect, the Staff Regulations applicable to appointed staff.

(Resolution 1080)

3.4.2.7 *Staff requirements*

The Council approved the creation of one fixed-term post in the Telecommunication Standardization Bureau from 1 January 1996 to 31 December 1997, the extension of one post in the General Secretariat until 31 December 1998, and the creation of a P1/P2 post as part of the implementation of Resolution 50 (Kyoto, 1994).

(Decision 460)

3.4.3 **Conferences and meetings**

3.4.3.1 *WorldTel*

The Council welcomed the establishment of WorldTel, instructed the Secretary-General to continue effective liaison between WorldTel and the ITU and to inform the Council about its progress.

(Resolution 1081)

3.4.3.2 *World Telecommunication Standardization Conference (WTSC-96)*

The Council resolved that the World Telecommunication Standardization Conference (WTSC-96) should be convened in Geneva from 9 to 18 October 1996. The Members of the Union were consulted with regard to the date and place of the Conference in Circular telegram A70 of 4 July 1995 and the Council's proposals were approved by the required majority.

(Resolution 1082)

3.4.3.3 *First World Telecommunication Policy Forum*

The Council resolved to convene the first World Telecommunication Policy Forum in Geneva from 21 to 23 October 1996 to discuss the theme "Global Mobile Personal Communications by Satellite".

(Resolution 1083)

3.4.3.4 *Regional Telecommunication Development Conference for the African Region in 1996*

The Council decided that the consultation by the BDT should be finalized and communicated to all concerned before the end of 1995. It also adopted the framework of the draft agenda for the Conference.

(Resolution 1084)

3.4.3.5 *Regional Telecommunication Development Conference for the Arab Region in 1996*

The Council authorized the Secretary-General to formally finalize the consultations of the Arab States Members and decided that the consultation by the BDT should be finalized and communicated to all concerned before the end of 1995. It also adopted the framework of the draft agenda for the Conference.

(Resolution 1085)

3.4.3.6 *Working Group on languages of the Union*

The Council established a Working Group to study the use of languages in the Union.

(Decision 461)

3.4.3.7 *Date and duration of the 1996 session of the Council*

The Council decided that its 1996 session will open in Geneva for a period of a week and three days from Wednesday, 19 June 1996 to Friday, 28 June 1996.

(Decision 462)

3.5 *Resolution amended by the Council*

The Council amended Resolution 925 - Financial conditions for the participation of the United Nations, the Specialized Agencies and other international organizations in the conferences and meetings of the ITU.

(Resolution 925)

3.6 *Other major issues considered by the Council*

- Annual report on ITU strategic policies and plans
- Regional presence
- Cooperation between the ITU and the World Trade Organization (WTO)
- Special measures concerning alternative calling procedures on international telecommunication networks
- Apportionment of revenues in providing international telecommunication services
- Rules of procedure of conferences and meetings
- Strengthening the financial basis of the Union
- Committee to review the rights and obligations of entities other than administrations
- Premises at the Union Headquarters (Construction of the Montbrillant building)

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4. CONFERENCES

4.1 Radiocommunication Assembly (RA-95)

See section 5.2.2.2.

4.2 World Radiocommunication Conference (WRC-95)

4.2.1 The World Radiocommunication Conference (WRC-95) opened its session in Geneva on 23 October 1995. 1223 delegates from 140 countries, as well as observers from the United Nations, international organizations and specialized agencies concerned took part.

4.2.2 The Conference was convened, in response to Resolution 3 of the Plenipotentiary Conference of the International Telecommunication Union (Kyoto, 1994), for a period of four weeks.

4.2.3 The Council, by its Resolution 1065 of the 1994 Session, established the agenda of WRC-95 and decided that the Conference be convened in Geneva from 23 October to 17 November 1995.

4.2.4 Mr. Sami S. Al-Basheer (Saudi Arabia) was elected Chairman of the Conference, and Messrs Brian Fontes (United States), Malcolm Johnson (United Kingdom), Vladimir Boulgak (Russian Federation), Genesius Kithinji (Kenya) and Akio Motai (Japan) were elected Vice-Chairmen.

4.2.5 The following structure of the Conference was set up:

Committee 1 - Steering Committee

(consisting of the Chairman and Vice-Chairmen of the Conference and the Chairmen and Vice-Chairmen of the Committees and the Working Group of the Plenary)

Committee 2 - Credentials Committee

Chairman : Mr. William Tallah (Cameroon)

Vice-Chairman : Mr. Adrian Bocsan (Romania)

Committee 3 - Budget Control Committee

Chairman : Mr. Lourenço N. Chehab (Brazil)

Vice-Chairman : Mr. Mamadou Ba (Mali)

Committee 4 - VGE Report on the Simplification of the Radio Regulations

Chairman : Mr. Michael Goddard (United Kingdom)

Vice-Chairman : Mr. Abderrazak Berrada (Morocco)

Committee 5 - MSS and other matters

Chairman : Mr. Garth F. Jenkinson (Australia)
Vice-Chairman : Mr. Eberhard George (Germany)

Committee 6 - Editorial Committee

Chairman : Mrs Anne-Marie Nebes (France)
Vice-Chairmen : Mr. Ian E. Davey (United Kingdom)
Mr. Vicente Rubio Carretón (Spain)

Working Group of the Plenary

Chairman : Mr. Robert Taylor (United States)
Vice-Chairman : Mr. R. N. Agarwal (India)

4.2.6 The Conference, in conformity with the terms of reference contained in its agenda, adopted a simplified partial revision of the Radio Regulations and Appendices thereto, as contained in the Final Acts.

4.2.7 In accordance with its agenda, the Conference took other decisions considered necessary or appropriate, including the review and revision of existing Resolutions and Recommendations and the adoption of new Resolutions and Recommendations as contained in its Final Acts and listed below:

Resolution 13 (Rev. WRC-95): Formation of Call Signs and Allocation of New International Series

Resolution 21 (Rev. WRC-95): Implementation of Changes in Frequency Allocations Between 5 900 kHz and 19 020 kHz

Resolution 23 (WRC-95): Provisions Applicable to the Frequency Assignments in the Non-Planned Bands Below 28 000 kHz

Resolution 24 (WRC-95): Review of the Provisions of the Constitution Relating to Revisions of the Radio Regulations

Resolution 25 (WRC-95): Operation of Global Satellite Systems for Personal Communications

Resolution 26 (WRC-95): Footnotes to the Table of Frequency Allocations

Resolution 27 (WRC-95): References to ITU-R Recommendations in the Radio Regulations

Resolution 28 (WRC-95): Revision of References to ITU-R Recommendations Incorporated by Reference in the Radio Regulations

Resolution 46 (Rev. WRC-95): Interim Procedures for the Coordination and Notification of Frequency Assignments of Satellite Networks in Certain Space Services and the Other Services to Which Certain Bands are Allocated

Resolution 47 (WRC-95): Implementation of Resolution 46 (Rev. WRC-95)

Resolution 48 (WRC-95): Conditions for Recommencing the Procedures for the Advance Publication of Information

Resolution 71 (WRC-95): Further Studies Concerning Application of Article S19 (Identification of Stations)

Resolution 114 (WRC-95): Use of the Band 5 091 - 5 150 MHz by the Fixed-Satellite Service (Earth-to-Space) (Limited to Feeder Links of the Non-Geostationary Mobile-Satellite Service)

Resolution 115 (WRC-95): Calculation of the Power Flux-Density at the Geostationary-Satellite Orbit in the Band 6 700 - 7 075 MHz Used for Feeder Links of Non-Geostationary-Satellite Systems in the Mobile-Satellite Service in the Space-to-Earth Direction

Resolution 116 (WRC-95): Allocation of Frequencies to the Fixed-satellite Service (Space-to-Earth) in the Band 15.4 - 15.7 GHz for Feeder Links of Non-Geostationary Satellite Networks in the Mobile-Satellite Service

Resolution 117 (WRC-95): Allocation of Frequencies to the Fixed-Satellite Service (Earth-to-Space) in the Band 15.45 - 15.65 GHz for Use by Feeder Links of Non-Geostationary Satellite Networks Operating in the Mobile-Satellite Service

Resolution 118 (WRC-95): Use of the Bands 18.8 - 19.3 GHz and 28.6 - 29.1 GHz by Non-Geostationary Fixed-Satellite Service Systems

Resolution 119 (WRC-95): Sharing Between the Fixed-Satellite Service and the Fixed Service in the 19.3 - 19.6 GHz Band When Used by the Fixed-Satellite Service to Provide Feeder Links for Non-Geostationary Satellite Systems in the Mobile-Satellite Service

Resolution 120 (WRC-95): Use of the Bands 19.3 - 19.7 GHz and 29.1 - 29.5 GHz by Feeder Links for Non-GSO MSS Networks

Resolution 121 (WRC-95): Development of Interference Criteria and Methodologies for Coordination Between Feeder Links of Non-Geostationary Satellite Networks in the Mobile-Satellite Service and Geostationary-Satellite Networks in the Fixed-Satellite Service in the Bands 19.3 - 19.6 GHz and 29.1 - 29.4 GHz

Resolution 212 (Rev. WRC-95): Implementation of Future Public Land Mobile Telecommunication Systems (FPLMTS)

Resolution 213 (Rev. WRC-95): Sharing Studies Concerning Possible Use of the Band 1 675 - 1 710 MHz by the Mobile-Satellite Service

Resolution 214 (WRC-95): Sharing Studies Relating to Consideration of the Allocation of Bands Below 1 GHz to the Non-Geostationary Mobile-Satellite Service

Resolution 215 (WRC-95): Coordination Process Among Non-Geostationary Mobile-Satellite Systems

Resolution 339 (WRC-95): Coordination of NAVTEX Services

Resolution 529 (WRC-95): HF Broadcasting

Resolution 530 (WRC-95): Simplification of Article 17 of the Radio Regulations

Resolution 531 (WRC-95): Review of Appendices 30 (S30) and 30A (S30A) of the Radio Regulations.

Resolution 643 (WRC-95): Inter-Satellite Links Between 50 and 70 GHz

Resolution 712 (Rev. WRC-95): Consideration by a Future Competent World Radiocommunication Conference of Issues Dealing with Allocations to Space Services

Resolution 713 (WRC-95): Consideration of Certain Operational Matters Concerning the Radio Regulations in the Aeronautical Mobile and Maritime Mobile Services

Resolution 714 (WRC-95): Power Flux-Density Level Applicable in the Frequency Band 137 - 138 MHz Shared by the Mobile-Satellite Service and Terrestrial Services

Resolution 715 (WRC-95): Studies Concerning Sharing Between the Radionavigation-Satellite Service and the Mobile-Satellite Service in the Bands 149.9 - 150.05 MHz and 399.9 - 400.05 MHz

Resolution 716 (WRC-95): Use of the Frequency Bands 1 980 - 2 010 MHz and 2 170 - 2 200 MHz in All Three Regions and 2 010 - 2 025 MHz and 2 160 - 2 170 MHz in Region 2 by the Fixed- and Mobile-Satellite Services and Associated Transition Arrangements

Resolution 717 (WRC-95): Review of Allocations to the Mobile-Satellite Service in the 2 GHz Range

Resolution 718 (WRC-95): Agenda for the 1997 World Radiocommunication Conference

Resolution 719 (WRC-95): Urgent Studies Required in Preparation for the 1997 World Radiocommunication Conference

Resolution 720 (WRC-95): Preliminary Agenda for the 1999 World Radiocommunication Conference

Recommendation 34 (WRC-95): Principles for the Allocation of Frequency Bands

Recommendation 35 (WRC-95): Procedures for Modification of a Frequency Allotment or Assignment Plan

Recommendation 100 (Rev. WRC-95): Preferred Frequency Bands for Systems Using Tropospheric Scatter

Recommendation 104 (WRC-95): Development of Power Flux-Density and Equivalent Isotropically Radiated Power Limits to be Met by Feeder Links of Non-Geostationary Satellite Networks in the Mobile-Satellite Service for the Protection of Geostationary-Satellite Networks in the Fixed-Satellite Service in Bands Where No. 2613 (S22.2) of the Radio Regulations Applies

Recommendation 105 (WRC-95): Further Work by ITU-R on Determination of the Coordination Area Around Earth Stations Operating With Geostationary-Satellite Networks in the Fixed-Satellite Service and Earth Stations Providing Feeder Links to Non-Geostationary Satellite Networks in the Mobile-Satellite Service Operating in Opposite Directions of Transmission

Recommendation 521 (WRC-95): Technical Parameters for Use in the Revision of Appendices 30 (S30) and 30A (S30A) in Response to Resolution 524 (WARC-92)

Recommendation 717 (Rev. WRC-95): Frequency Sharing in Bands Shared by the Mobile-Satellite Service and the Fixed, Mobile and Other Terrestrial Services Below 3 GHz

Recommendation 720 (WRC-95): The Flexible and Efficient Use of the Radio Spectrum by Fixed and Some Mobile Services in the MF and HF Bands Using Block Allocation for Adaptive Systems

Recommendation 721 (WRC-95): Frequency Sharing in the Bands 1 610.6 - 1 613.8 MHz and 1 660 - 1 660.5 MHz Between the Mobile-Satellite Service and the Radio Astronomy Service

4.2.8 The Conference completed its work on Saturday, 18 November 1995 with the signature of the Final Acts by the delegates of 130 Members of the Union.

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5. ACTIVITIES OF THE GENERAL SECRETARIAT AND SECTORS

5.1 Activities of the General Secretariat

5.1.1 Office of the Secretary-General

5.1.1.1 External Affairs Unit (EAU)

1) External Relations (RE)

The Unit continued, during the period under review, to strengthen its relations with the United Nations System and other international organizations. To this end, it liaised closely with the various sectors of the Union and particularly with the BDT for the participation in and follow-up of various meetings convened by these organizations. The Unit provided support for protocol and public relation matters. It also represented the Union in a number of external meetings (for further details, please refer to item 7 of the Report).

The Unit also :

- provided support to the WorldTel project in its initial launching stage;
- coordinated the ITU's contributions to the work of the Administrative Committee on Coordination (ACC) , its subsidiary bodies, the Joint Inspection Unit and other organs of the UN system;
- analysed documents on various major meetings and conferences organized by other organisations and brought to the attention of the sectors of the Union matters having a direct bearing on its activities including the United Nations resolutions;
- organized briefing sessions on the activities of the Union for groups of visitors (Universities, Telecommunication Industries and Operators, Non Governmental Organizations etc.);
- participated in a number of events organised by the Geneva-based organizations on the occasion of the United Nations 50th Anniversary;
- acted as focal point for invitations requiring intersectoral coordination and follow-up.

2) Press and Public Information

During the year under review, the Press and Public Information section published information on the work of the organization in 34 press releases which it distributed to over 10 000 addressees worldwide and posted onto the World-Wide Web for public access. It responded to requests for information from the press, corporate and individual users of telecommunications, academic circles and the general public. It also prepared and disseminated the documentation required for the 27th World Telecommunication Day (17 May 1995), on the theme: "Telecommunications and the Environnement" and participated in the programme of activities developed by a inter-agency task group for the celebrations of the UN 50th anniversary. Finally, it provided the press service for the World Radiocommunication Conference (1995). But it was in providing the press service for Telecom 95 that most of its work focused.

2143 journalists, representing an increase of 39.6%, came to TELECOM 95 (1535 came in 1991). There were 2719 accreditations, representing an increase of 51.5% (1795 journalists accredited in 1991). There was also an increase in quality of coverage as well as quantity. TV and Radio increased to 14%, Non-Technical Press increased to 38% and Press Agencies were up to 8%. For the first time the Trade Press was under 50% (at 41%). TV coverage was excellent with over 140 monitored broadcasts over 30 TV stations.

The Press Service's relationship with exhibitors' Press Officers was also more effective this year than in 1991, partly because of the strategy adopted in the dissemination of information. As a result, a more significant portion of time was devoted to pointing them towards the best ways of achieving good press coverage and to providing advice on how to develop their communication plans.

Finally, Press Day and the Opening Ceremony both went extremely well. The opening Press Conference attracted over 500 journalists, which is more than any ITU event has ever achieved in its history. And the Opening Ceremony attracted very wide coverage in the mainstream media around the world.

3) Relations with Members (RM)

During the year 1995, the Division carried out tasks relating to the function of depositary of the Acts of the Union, namely, registration of the deposit of instruments of ratification, acceptance, approval or accession to the Constitution and Convention (Geneva, 1992) or to the instruments amending the said Constitution and Convention (Kyoto, 1994), registration of approval or other acts of the Union, membership matters, as well as processing consultations, notifications and relevant communications.

The Division also:

- dealt with questions relating to requests for participation in the work of the Sectors submitted by recognized operating agencies, scientific or industrial organizations, other entities dealing with telecommunication matters, regional and other international telecommunication, standardization, financial and development organizations;
- took care of administrative arrangements for the 1995 session of the Council and for the World Radiocommunication Conference (WRC-95);
- published the Final Acts of the Plenipotentiary Conference (Kyoto, 1994).

The Head of the Division acted as:

- Executive Secretary, Secretary of the Steering Committee and Secretary of the Plenary for the 1995 session of the Council;
- Executive Secretary, Secretary of the Steering Committee, Secretary of the Plenary and Secretary of the Credentials Committee for the World Radiocommunication Conference (WRC-95).

5.1.1.2 Strategic Planning Unit

The unit's *strategic planning activities* focused on the measures required to implement the overall strategies and priorities set out in the Strategic Plan for the Union 1995-99 as elaborated in Resolution 1, Resolution 39 and other resolutions of the Kyoto Plenipotentiary Conference. Key activities included:

- preparing the Secretary-General's report on the Union's strategic policies and plans to the 1995 Council;
- pursuant to Kyoto Res. 15, assisting the Secretary-General in establishing the Review Committee on the rights and obligations of sector "members", and providing the secretariat for this committee;
- pursuant to Kyoto Res. 2, preparing the Secretary-General's report to Council on the establishment of the World Telecommunications Policy Forum, and beginning preparations for the first WTPF as decided in Council Res. 1083;
- analyzing the implications for the ITU of agreements negotiated at the World Trade Organization and developing a cooperative relationship with this organization;
- consulting regional telecommunication organizations on measures that could be taken to strengthen their relationship with the ITU.

The unit's *operations analysis activities* focused on measures required to improve management systems and practices in the ITU secretariat, along the lines defined in the 1995-99 strategic plan. Key activities included:

- planning and coordinating the development of an operational planning framework as a link between the strategic plan and the 1996-97 budget submission;
- planning and coordinating a series of workshops for elected officials and senior managers to identify actions to be taken to improve management practices in the ITU secretariat;
- undertaking, in cooperation with the BR and the Finance Department, a pilot project to identify ITU-R products and services and the cost associated with providing them;
- providing secretariat services for the ITU Publications Policy Committee (IPPC) and helping to launch the ITU Publications On-Line service.

Among its *other activities*, the unit prepared some thirty papers, presentations and articles for the Secretary-General and his Deputy and contributed to the preparation of the 1995 World Telecommunication Development Report and Telecommunication Indicators for the Least Developed Countries.

5.1.1.3 Legal Affairs Unit (JUR)

The activities of the Unit remained, in substance, comparable to those of previous years. In particular, it conducted studies and provided legal opinions in areas such as general public international law, matters related to personnel, finance, development, and privileges and immunities. The 'Montbrillant' project having entered a pre-operational phase, the Unit has been closely involved in contractual negotiations with the architect and the engineers. The Unit's activity in the area of copyright, intellectual property and patents has substantially increased in recent months owing to the exceptional growth in multimedia (off-line and on-line distribution) which raises numerous legal problems.

The Unit was closely involved in discussions with Switzerland regarding the implications for ITU, and the TELECOM 95 Exhibition in particular, of the introduction of value-added tax (VAT) in Switzerland and in all legal aspects of that exhibition as well as the forthcoming regional exhibitions. Naturally, the preparation and proceedings of the World Radiocommunication Conference accounted for a significant proportion of the Unit's activities. In particular, representatives of the Unit provided legal advice and opinions on request, and served as secretary to working groups or ad hoc groups. The Legal Affairs Unit also provided secretariat services for the Council's working group on Rules of Procedure and regularly participated in the various internal ITU committees.

5.1.1.4 Special Projects (TELECOM)

In 1995, TELECOM activities focused on the implementation of the 7th World Telecommunication Exhibition and Forum, **TELECOM 95**, which took place 3 to 11 October 1995. However, during this period, the planning of the subsequent regional events and that of the next world TELECOM were also undertaken.

Over 3,200 people attended **TELECOM 95's Opening Ceremony** on 3 October. Distinguished keynote speakers gave this ceremony a significant political dimension and attracted wide coverage in the mainstream media from around the world.

The theme of the **exhibition** was **Connect!** and was reflected in two sub-themes basic to the event: **convergence** and **global communications**. Exhibitors numbered 1,066, a 25% increase from TELECOM 91. Visitors numbered 154,671, 17% more than for TELECOM 91. Chief executive officers numbered 754. Palexpo's new hall 7 increased space by 16,000m² making the TELECOM 95 exhibition larger than the previous World TELECOM.

The NIC pilot project brought 14 R&D / manufacturing companies from Newly Industrializing Countries to TELECOM 95. **The Programme for Development** permitted 73 countries to send a chief engineer and a human resources specialist to attend TELECOM and to participate in a two-and-a-half day workshop. **The 1-in-10 stand** - equipped with telecommunication equipment and tools - was designed to show how the lives of people with disabilities and the elderly can be facilitated.

The ITU stand was strategically placed in the centre of the Exhibition halls and proved a dynamic meeting place for industry and ITU.

The **Protocol service** assisted 133 Ministers, 131 Ambassadors, 232 Directors-General, 22 Heads of UN organizations, 21 Heads of UN specialized agencies, 81 Swiss VIPs plus associated retinues.

Sponsors were found for a number of activities, including the NIC pilot project, the "1 in 10" stand, the Programme for Development, the ITU stand, the Tombola, information services, product locators, the opening ceremony, limousines for VIPs and a number of lunches and receptions.

Press - 2,143 journalists attended TELECOM 95, representing an increase of 39.6% from TELECOM 91. TV and Radio increased to 14%, Non-Technical Press increased to 38% and Press Agencies were up to 8%. For the first time the Trade Press was under 50% (at 41%). TV coverage was excellent with over 30 TV stations accredited.

Forum 95 was organized into two Summits: Strategies and Technology. A total of 662 speakers addressed 3,912 participants at Forum 95.

The **Strategies Summit**, under the theme 'Breaking down barriers towards a global information society' was held in Geneva's new Arena, and speakers were a true *who's who* in the communications industry. There were a total of 26 sessions, of which 13 were roundtables.

The **Technology Summit**, under the theme 'Convergence of technologies, services and applications' was held in the traditional Palexpo Congress Centre. The 180 presentations were made in 32 sessions and 5 panels.

The weekend programme and special session of the Forum entitled *internet@telecom95* was very popular and note has been taken of the potential of on-line and multimedia Conferences and Exhibitions.

After many months of investigation and discussions, it was decided to hold **TELECOM 99** from 10 to 17 October 1999 at Palexpo in Geneva; the announcement was made on 31 May 1995, and the Agreement signed during TELECOM 95.

For **Americas TELECOM 96**, the Agreement between the Brazilian Ministry of Communications and the ITU was signed in Geneva on 12 June 1995. A Press Release announcing that Americas TELECOM 96 would take place in Rio de Janeiro, Brazil from 10 to 15 June 1996 was issued the same day.

All available **exhibition** space was expected to be sold and national Pavilions will be organized by Brazil, India, Russia, Spain, Switzerland, Argentina, France, Italy and Portugal and the United States.

The **Forum for Americas TELECOM 96** will be organized into Strategies and Technology Summits. Mr Björn Wellenius, Adviser on Telecommunications, World Bank, will preside over the Forum Committee. The forum theme is *Telecommunications and sustainable development - from potential to growth*.

As a follow up to TELECOM 95's successful 'Programme for Development', a **TELECOM DEVELOPMENT WORKSHOP** was designed for Americas TELECOM 96.

A shortlist of potential host countries was drawn up for **Asia TELECOM 97** and included China, India, Thailand, Malaysia, Philippines and South Korea with Singapore being retained as an option. Fact finding missions were carried out in the respective countries

A fact finding mission found considerable interest in South Africa to host **Africa TELECOM 98**. During the Opening Ceremony of TELECOM 95, President Nelson Mandela officially invited ITU to organize Africa TELECOM 98 in South Africa and ITU has accepted his offer. A Press release announced that the event will be held 4-10 May 1998.

The selection of venues for TELECOM events is currently based on practical experience, gained over a number of years. It has now become necessary to elaborate a rational procedure to facilitate the selection process. This work is in progress and is expected to be completed for implementation in 1996.

In 1995, the **TELECOM Board held official meetings** in March and in December. An informal meeting was held during TELECOM 95. During these meetings, the Board discussed all major TELECOM problems of 1995, and future TELECOM events. A TELECOM Annual Report has been initiated by the Board and is expected to be ready for distribution to exhibitors and other TELECOM partners in 1996.

5.1.2 Personnel Department

As in previous years, the number of Staffing Table posts continued to fall in 1995. The total number of posts in the Staffing Table as of 31 December 1995 was 786 of which 702 posts were filled by officials holding permanent (538) or fixed-term contracts (164). In view of the continued need to make financial savings, the remaining posts were not filled or were frozen during the year.

The holding of large meetings and events such as WRC-95 and TELECOM 95 meant that there was a further significant increase in short-term recruitment in 1995, from 65,706 person/days in the previous year to 77,997 person days. This additional workload was able to be absorbed due largely to the new computerized information system for human resources management which has been introduced in 1994 for regular staff and applied to the management of short-term staff contracts as from 1995.

Personnel policy priorities contained in the Strategic Plan for 1995-1999 were reconfirmed by Council in 1995 and emphasis was placed on questions such as increasing the number of female staff, the creation of suitable positions for the recruitment of recent university graduates, and the study of the modalities of application of MRT contracts. In addition considerable efforts had to be provided to redeploy 5 staff members whose posts were abolished.

The training activities organised by the Department in 1995 included continued management training for senior officials and supervisors throughout the organization. The new appraisal form based on objectives introduced in 1994 on a two-year trial basis continued to be monitored and training on objective-setting was given.

The Strategic Plan for 1995-1999 also requested that post classification criteria be developed to ensure that due attention is given to the highly technical or important managerial requirements of many ITU Professional posts. Work continued in 1995 to establish guidelines to assist in the grading of telecommunication engineer posts. The results of a preliminary study were submitted to the 1995 Council and a complete report will be submitted to the 1996 Council.

The 1995 Council also expressed its preoccupation with the situation of staff members who had been promoted from the General Service to the Professional category and asked the Secretary-General to continue the studies already undertaken to find a solution to this problem. The solutions proposed by the Secretary-General and the action taken to alleviate the situation of those staff members hardest hit or soon to retire are described in a separate document before the 1996 Council.

The Personnel Department participated actively in the regular ICSC inter-agency meetings on conditions of service of UN Common System staff. Regrettably there has been no significant improvement in these conditions of work. The increase in the salary scale for Professional posts in Geneva recommended by the ICSC was refused by the United Nations General Assembly at its September 1995 session. It recommended and requested further study of data used to determine the salary scales. Likewise, following a survey of best prevailing conditions of service in Geneva, the salary scale for General Service staff in Geneva was reduced.

The above matters are exposed in greater detail in separate Council documents which will be submitted to the 1996 Council.

Work on the implementation and refinement of the new computerized information system for personnel management continued in 1995.

5.1.3 Finance Department

The Finance Department continued the implementation of the financial management system as well as streamlined the related procedures for the 1995 budget and accounts. The new Financial Regulations, the chart of accounts and the cost center structure were introduced as from 1st January 1995, as well as the procedures for internal invoicing and voluntary contributions.

The Finance Department prepared the first biennial budget of the Union for 1996/97.

The Finance Department also participated in the modifications of the related software and organized training of the staff involved in the implementation of the new financial management system.

The Finance Department was assigned the responsibility for the study on the strengthening of the financial base of the Union (Resolution 39) and developed the first applications of cost recovery to telecommunications exhibitions organized by ITU and to publications.

The Finance Department participated in the work related to TELECOM 95, WRC-95 and CCAQ(FB) as well as in the preparation of Americas Telecom 96.

5.1.4 Conferences Department

The Conferences Department is responsible for translation and interpretation services in the six working languages, publication of the ITU Newsletter, practical organization of conferences, terminology and reference services, document composition and handling and conversion of electronic documents. The Department also supervised and coordinated all aspects of the implementation of Resolution 62 (Kyoto, 1994) concerning the use of Arabic, Chinese and Russian.

Conference Service

The following conferences and meetings were held in 1995:

Conference/Meeting	Days Geneva	Days outside Geneva	Total
Council - C95	8		8
Review Committee	8		8
Other working groups	3		3
World Telecommunication Advisory Council	3		3
TELECOM 95	9		9
Meetings relating to Telecom and Forum	7		7
ITU-R meetings	129	65	194
WRC-95	20		20
RA-95	5		5
CPM-95 and working party	15		15
RRB	10		10
RAG and WG-RAG	9		9
BR Regional Radiocommunication Seminars, Bangkok, Margarita and Pretoria		11	11
VGE Information meetings, Bangkok and Margarita		4	4
ITU-T meetings	161	19	180
TSAG	9		9
Joint TSAG/RAG	3		3
ITU-D meetings	26		26
TDAB	3		3
BDT courses, seminars, workshops and other meetings relating to Telecommunication Development	12	284	296

For these meetings the **Interpretation Service** issued a total of 909 contracts to 159 interpreters, who worked a total of 4 418 days.

The chart at the end of section 5.1.5 shows the volume of document-production services provided for ITU activities for the period 1985-1995, with details for the Sectors.

In 1995, the English, French and Spanish **Translation Sections** translated a total of 56 700 pages¹ (compared with 53 900 pages in 1994). This total included some 12 600 pages which were contracted out.

The services provided also included 791 days of interpretation, précis-writing and missions.

The **Arabic, Chinese and Russian Translation Services** translated and revised a number of ITU-R and ITU-T volumes, manuals and Final Acts of Conferences. The production of the Chinese and Russian versions of some volumes was contracted out. A total of 3 800¹ pages of volumes were printed in Arabic, 8 900¹ pages in Chinese and 8 600¹ in Russian. These services also translated and typed in Arabic, Chinese and Russian 46 trilingual issues of the Special Section on Space Services of the BR Weekly Circular, comprising 13 700 final pages (compared with 11 300 in 1994).

In 1995, the **Section for Terminology, References and Computer Aids to Translation (STRAIT)** continued with the upgrading of TERMITE. Some 6 100 additions, corrections and deletions were made to the database, which now contains nearly 59 000 entries. The Section pursued the study of the new computerized system for terminology management (Phase 1 of the TIMBER project) to replace the current system operating on the Siemens mainframe. It participated in inter-agency conferences with its United Nations counterparts and continued to watch technological developments with a view to acquiring computer translation aids.

The **Reference Service** processed some 2 700 documents amounting to roughly 27 800 pages and responded to some 2 000 requests for information.

The **Document Composition Service (Pool)** produced 120 400 pages¹ of documents in 1995. Of this total, 300¹ pages were done outside. ITU-R and ITU-T work amounted to 48 300 pages and 61 100 pages (40% and 51% of total output) respectively.

During the WRC-95 Conference from 23 October to 17 November, 12 200¹ final document pages were produced.

The operators transcribed 64 400 statistical pages for translation, as follows 4 900 for the English Section, 22 600 for the French Section and 36 900 for the Spanish Section.

¹ Pages are given to the nearest hundred.

On behalf of outside administrations and ITU services, the **EDMG Group (Electronic Document Management Group)**:

- converted 204 200 pages;
- formatted 12 500 pages;
- produced 24 700 diskettes for outside; and
- scanned 2 200 pages of documents.

ITU Newsletter

Ten issues of the "ITU Newsletter" were published in 1995 in three separate editions (English, French and Spanish), with a total of 372 pages per language edition. Production, including film-production, is handled in-house, while printing is contracted outside the ITU. A special promotional drive was carried out during TELECOM, yielding some 650 new subscribers. The ITU Newsletter is distributed free of charge in most of the ITU Member countries and has a readership of 8 320.

5.1.5 Common Services Department

The staff continued the challenging change of focus from "fonctionnaire duties" to "service to clients". In an overall framework of reduced budgetary provisions, improved coordination and work productivity were the main factors contributing to improved services provided by the diverse units of the Common Services Department.

In the rapidly changing publications sector, introduction of improved procedures with the collaboration of the author units was a key element in resolving the a variety of delay problems which had marked the operations in the first part of the year. The new Publications-Online Service which was launched in the summer with the assistance of the IS Department was widely applauded by the subscribing customers for its quality of World-Wide-Web implementation.

In the building-related services, the air-conditioning works for the Varembe building were completed on schedule and within the planned budget. As for the Montbrillant Construction Project, due for completion in the year 2000, the detailed-design was almost completed by the end of 1995 by the architect and the consulting engineers. The recruitment of a project manager as of September 1995 will provide the necessary close supervision of this project to completion.

Increased use of computer-based tools continued to be an important theme in most activities of the department. For example, the Document Production System (DPS), which became operational in 1995, provides for the first time an integrated management tool, ITU-wide, covering translation, typing and reprography services: it is also the primary data-collection tool for the succesful internal-invoicing mechanism within the financial system.

The following sections provide summaries and statistics for different services in the department.

5.1.5.1 Publication Composition Service

With a **staff cut of 20%** as compared with 1994 and an increase in individual productivity of **+13.4%**, the Publication Composition Service's annual production amounted to **74 155 pages**.

The total production of figures for the TSB and the BR represented 10 300 graphic files processed with Designer and inserted into Recommendations composed with Winword. Scanning of 2 331 BR figures and 405 TSB figures made the Recommendations accessible in electronic format. Work on colour separation, leaflets, announcements, invitations, visiting cards, brochures and catalogues represents 1 529 pages and flashing 12 149 pages, which are included in total production.

The Service not only puts out the originals for paper reproduction of publications, but also electronic files for ONLINE and CD-ROM posting.

BUREAUX	1991	1992	1993		1994		Average 1991/94	1995	
TSB	8 745	5 902	286 Rec.	37 563	386 Rec.	40 99	23 301	274 Rec.	28 915
TSB: Various	11 350	8 553				1 04	5 237		2 331
BR: Additional languages	8 824	5 699		8 106		11 29	8 480		14 841
BR: Volumes	5 527	5 043		3 103		8 06	5 433		10 467
BR: Lists	under SG	under SG	under SG			6 62	1 655		6 480
BR: Various, RR	1 099	697	under SG			3 39	1 298		280
BDT		106		261		3 43	951		1 288
SG	7 650	18 278		18 427		6 90	12 814		9 553
TOTAL	43 195	44 278		67 460		81 74	59 170		74 155
Staff	53	47	47		50		50	40	

5.1.5.2 Electronic Publishing Service

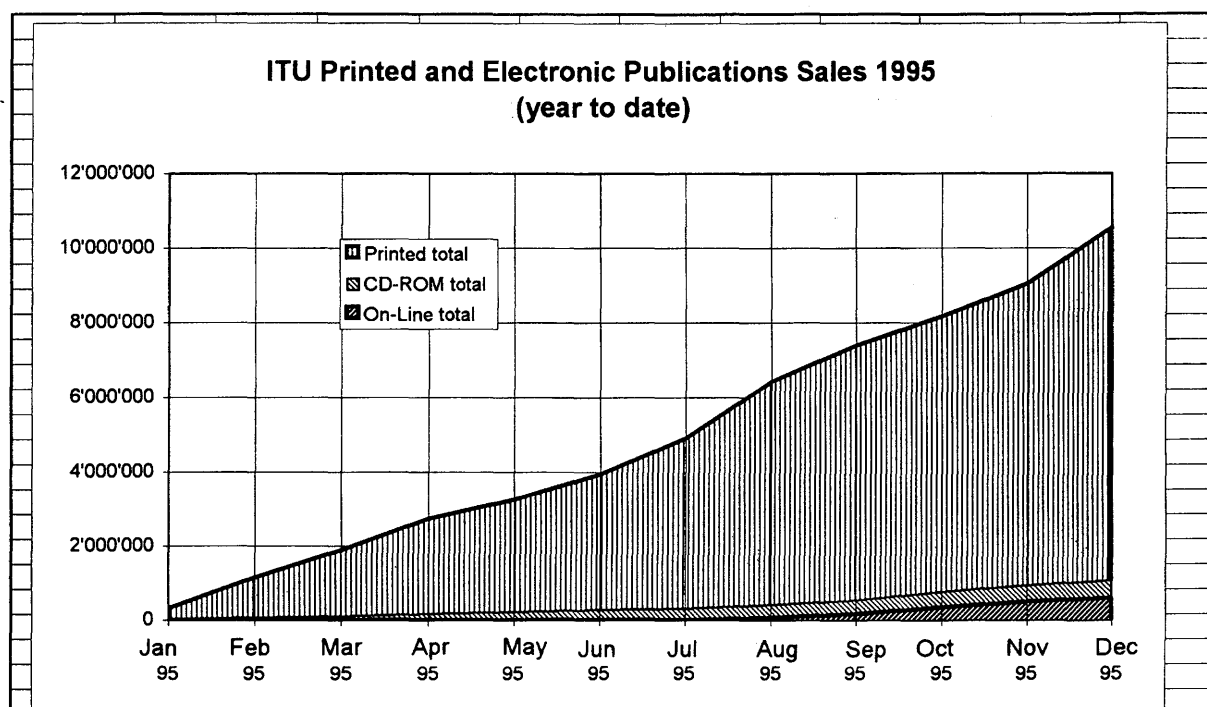
Four quarterly editions of the ITU-T Recommendations on CD-ROM were published in English, French and Spanish. The latest edition comprises two disks, the first containing a series of Recommendations in hypertext format and the second more than 1 600 Recommendations in the original Word for Windows format. The number of subscribers is over 230.

Three databases relating to frequency management (IFL, SRS and PLANS) are published on CD-ROM for the Radiocommunication Bureau.

In July 1995, the "ITU-T Recommendations Online" service was set up, followed soon afterwards by the "ITU-R Recommendations Online" service. These are annual subscription services giving access to the most recent publications.

5.1.5.2.1 Sales and marketing services

Sales



Subscriptions to the new electronic publications (CD-ROM and online services) have been very successful and are managed by a new computerized system.

At the TELECOM 95 Book Fair, the Sales Service had a stand displaying ITU publications, which sold in large numbers, and demonstrations were offered.

Marketing

The contract with IHS for the distribution of ITU Recommendations via their worldwide CD-ROM standards service was revised so as to give the ITU a better return.

The market study on BR frequency management publications has been completed. An important market study by an outside consultant on the needs of ITU Recommendation users is under way.

For TELECOM 95, a new catalogue of publications, together with posters and prospectuses, was published, in order to promote the publications and present the ITU as a publisher in the telecommunications sector.

The inclusion of paid advertisements in an ITU publication was tried out satisfactorily. Various advertisements were published in commercial periodicals and newspapers.

5.1.5.3 Outside Publications Service

The table in Annex 3 listing the Union's publications in 1995 shows the volume of activities by this service.

5.1.5.4 Reprography and Audiovisual Service

5.1.5.4.1 Reprography Section

The Reprography Section processed 111 165 367 pages (A4 format or equivalent), of which 11 506 453 pages represented publications, an increase of 10.74% over 1994.

NUMBER OF PAGES

Source	1991	1992	1993	1994	AVERAGE	1995
TSB	43'972'621	67'716'096	39'066'308	43'677'369	48'608'099	50'780'086
BR	9'473'216	10'550'298	18'541'357	16'425'171	13'747'511	33'068'144
BDT	3'291'703	4'056'518	4'242'565	5'981'823	4'393'152	4'184'361
Publication	22'428'656	3'819'055	11'145'203	17'783'530	13'794'111	15'382'833
SG / Other	14'177'642	24'367'785	10'023'331	16'520'135	16'272'223	9'245'818
Total production	93'343'838	110'509'752	83'018'764	100'388'028	96'815'096	112'661'242

5.1.5.4.2 Conference Documents Section

The Conference Documents Section handled 6 395 010 documents (i.e. 21.12% more than in 1994), of which 1 705 040 were dispatched (23.34% more than in 1994) and 4 212 415 distributed (20.66% more than in 1994). The remaining documents were kept in stock.

DOCUMENTS HANDLED

Source	1991	1992	1993	1994	AVERAGE	1995
TSB	2.669.815	2.333.290	2.609.698	2.128.335	2.435.285	2.472.175
BR	1.342.875	1.056.760	1.967.890	1.516.370	1.470.974	1.829.555
Other	50.730	34.083	67.177	12.220	41.053	1.646.040
SG / Other	103.180	2.175.640	109.005	1.390.955	944.695	161.270
Council	187.355	194.595	180.455	231.840	198.561	285.970
Total production	4.353.955	5.796.360	4.934.225	5.279.720	5.091.065	6.395.010

5.1.5.4.3 Dispatch and Transport Section

The Dispatch and Transport Section sent out 119 503 kg of publications, documents and conference material (value 3 432 150 Swiss francs) by freight. It dispatched from headquarters various printed matter (524 090 items) at a cost of 1 158 506 Swiss francs, and 223 336 parcels of conference documents at a cost of 999 537 Swiss francs. It handled 15 503 registered items, i.e. 2.5% fewer than in 1994. Surface mail accounted for 62% of total traffic, as against 67% in 1994.

DISPATCH COSTS

Dispatches in Swiss francs	1991	1992	1993	1994	AVERAGE	1995
BY FREIGHT	243.327.00	276.000.00	253.870.00	270.037.00	260.808.50	*
BY MAIL	1.230.848.00	913.000.00	1.158.739.65	1.087.412.01	1.097.499.92	1.158.506.--
CONFERENCE	671.816.00	1.084.000.00	795.101.50	923.597.64	868.628.79	999.537.--
Total cost	2.145.991.00	2.274.992.00	2.207.711.15	2.281.046.65	2.227.435.20	

5.1.5.4.4 Drawing Section

In the area of technical, graphic and statistical drawing, as well as drawing for publication, the Section produced: part of the plans of the various ITU buildings for works being undertaken (and their updating), and for fitting-out operations; drawing relating to office distribution and occupancy; the world map of monitoring station sites and the geographical areas pertaining to ship stations; ITU organizational charts; the management information report; the various publication cover pages; maps of Africa and regions; graphs, diagrams, organizational charts, layouts, conference plans, badges, pins, placards, panels and all routine work on request and support and calculations for the Reprography and Dispatch Services.

The computer graphics service saw to the presentation of various ITU publications, such as: the Lists IV, V, VI, VIIA, VIIB, VIII, various yearbooks, indicators, glossaries and catalogues.

Creation of logos: 130th anniversary of the ITU, WorldTel, Emergency Telecommunications, LAN, GIMROC, TERRASYS, etc.; announcements for the press service; creation of new ITU memo and fax headings and assistance in the development of templates; posters for Internet Day, TIES, World Day 95; production of various documents for TELECOM 95; preparation of computer files needed by the different ITU services and outside suppliers (publications, Telecom, press services, etc.); preparation of documents for conference presentations and copying them onto slides and films for back projectors; introduction of new tools for improving production and varying document presentation (image processing and colour separation with Photoshop, makeup of Home Page for Netscape with HTML Easy Pro, for example).

5.1.5.4.5 Audiovisual Section

In 1995, in the photographic and video area, the Audiovisual Section was responsible, in collaboration with the Press Service and Telecom Press 95, for video programmes, filmed messages and interviews. It also produced photographic reports for different conferences and in connection with TELECOM 95 and photographic missions to southern Africa. It took still shots for the illustration of different brochures, portraits of elected officials and a variety of shots that could be of use to the ITU. Management of the photographic library and new electronic images and the assimilation of new software for multimedia and use of new media such as CD-photo were also important tasks.

5.1.5.5 Logistic Service

The Logistic Service pursued its policy of cost effectiveness in cooperation with both the Joint Purchase Service and various enterprises in all matters concerning the purchase or hire of furniture, machines and office supplies and the maintenance of buildings. To that end, five invitations to tender were put out.

Expenditure on purchases of furniture and machines amounted to 2 760 000 Swiss francs (including computer equipment), on office supplies to 3 714 000 Swiss francs and on building maintenance to 4 701 943 Swiss francs.

Major operations were undertaken, including the installation of an air cooling system in the offices in the Varembe building, cleaning of the Tower and Extension C façades, changing of the pneumatic tube distribution system, resurfacing of the Tower car park, repairs to the roof of the Varembe building, reconstruction of the loading ban and participation in the study on the construction of the new Montbrillant building.

The Service carried out 570 removals, made arrangements for 37 receptions and parties, renovated 333 offices, equipped 87 offices with new furniture, fitted out 15 offices (shelves, work surfaces, cloak rooms), processed 1 810 requests for supplies and received 809 tons of goods.

The Service was constantly called upon to intervene in connection with the everyday maintenance of the buildings, security, installation and control of high and low voltage facilities, air conditioning, carpentry, the distribution of goods, the installation of conference and meeting facilities and the telephone service for staff members as well as delegates and conference participants.

5.1.5.6 Library and Archive Service

The Library acquired 302 volumes (150 purchased and 152 donated) as well as other publications on electronic media (databases, periodicals, etc.) and videos.

Computerization of the Library: The software (ALEPH) was installed and the staff were given basic training. A first phase of retrospective conversion of the catalogue was completed with the Library's resources. This enabled the following information to be put onto the system:

- monographs acquired over the last three years (about 1 200 titles)
- catalogue of periodical publications (1 300 entries)
- catalogue of the film library (440 entries)
- record of physical stock (about 2 000 entries)
- users' file (800 entries).

With the support of the Information Services Department, the software was adapted to the Library's needs, including the creation of "Web" pages. The catalogue can at present be consulted in the Library (terminal mode and WWW) and will be consultable on the in-house Web system in January 1996. Two PCs installed in the reading room can be used to consult the catalogue and the collection of CD-ROMs (23 titles) and to access Internet.

The Archives responded to some 100 requests for consultation and research and 152 requests for files, and provided 5 800 pages of photocopies. The Union's various services deposited 142 linear metres of documents with the archives. More than 50 roles of microfilm were needed to archive documents during the year. This service will cease operation on 1 January 1996 and will subsequently be replaced by an electronic archiving system.

DOCUMENT SERVICING ACTIVITIES

TRANSLATION (pages)			TYPING & DATA CAPTURE (pages)			REPRODUCTION (pages)					
TOTAL	ITU-D	ITU-T	ITU-R	TOTAL	ITU-D	ITU-T	ITU-R				
<div><div>01020304050607080</div><div>8586878889909192939495</div><div>55.418</div><div>44.273</div><div>67.955</div><div>64.326</div><div>65.249</div><div>50.637</div><div>46.017</div><div>54.840</div><div>41.487</div><div>53.861</div><div>56.723</div></div>	<div><div>024681012</div><div>8586878889909192939495</div><div>4.907</div><div>2.672</div><div>3.870</div><div>3.972</div><div>9.038</div><div>4.924</div></div>	<div><div>010203040</div><div>8586878889909192939495</div><div>14.251</div><div>19.463</div><div>28.676</div><div>28.528</div><div>14.458</div><div>22.760</div><div>23.840</div><div>28.443</div><div>17.942</div><div>19.834</div><div>25.383</div></div>	<div><div>051015202530</div><div>8586878889909192939495</div><div>16.660</div><div>2.483</div><div>10.566</div><div>7.018</div><div>21.832</div><div>3.612</div><div>5.736</div><div>6.435</div><div>8.399</div><div>10.369</div><div>18.002</div></div>	<div><div>020406080100120140160</div><div>8586878889909192939495</div><div>106.916</div><div>89.571</div><div>129.443</div><div>153.791</div><div>123.301</div><div>90.824</div><div>91.837</div><div>154.336</div><div>92.689</div><div>125.688</div><div>120.371</div></div>	<div><div>02468</div><div>8586878889909192939495</div><div>5.959</div><div>2.434</div><div>3.623</div><div>4.756</div><div>10.683</div><div>4.891</div></div>	<div><div>020406080</div><div>8586878889909192939495</div><div>26.035</div><div>43.742</div><div>57.543</div><div>84.141</div><div>29.404</div><div>46.406</div><div>50.076</div><div>102.592</div><div>41.649</div><div>53.581</div><div>61.066</div></div>	<div><div>01020304050</div><div>8586878889909192939495</div><div>39.816</div><div>13.841</div><div>24.774</div><div>20.238</div><div>55.129</div><div>21.373</div><div>23.147</div><div>22.700</div><div>32.470</div><div>36.057</div><div>48.339</div></div>	<div><div>020406080100120130</div><div>8586878889909192939495</div><div>70.950.907</div><div>70.776.514</div><div>90.781.067</div><div>112.178.453</div><div>81.541.356</div><div>86.066.041</div><div>93.343.838</div><div>110.509.752</div><div>83.018.764</div><div>100.388.028</div><div>112.661.242</div></div>	<div><div>02468</div><div>8586878889909192939495</div><div>3.579.991</div><div>3.291.703</div><div>4.056.518</div><div>4.242.565</div><div>5.981.823</div><div>4.184.361</div></div>	<div><div>020406080</div><div>8586878889909192939495</div><div>17.251.460</div><div>30.528.870</div><div>41.145.828</div><div>65.512.478</div><div>19.838.904</div><div>39.612.565</div><div>43.972.621</div><div>39.066.508</div><div>43.672.369</div><div>50.780.086</div></div>	<div><div>01020304050</div><div>8586878889909192939495</div><div>17.420.122</div><div>11.091.415</div><div>11.223.068</div><div>10.385.169</div><div>22.632.293</div><div>18.288.486</div><div>9.473.216</div><div>10.550.298</div><div>18.541.357</div><div>16.425.171</div><div>33.068.144</div></div>

5.1.6 Information Services Department

Information exchange services

A high priority of the IS Dept is to provide information exchange services to the ITU membership. New functionality added in 1995 to ITU's Telecom Information Exchange Services (ITU TIES) included the creation of the World-Wide Web (WEB) service, the introduction of the ITU Publications Online *paying* service (for ITU-T & ITU-R Recommendations) and the addition of new Internet dial-up services.

There was a large increase in TIES usage by Study Groups from all sectors as indicated by the growing number of electronic document submissions, mailing lists and bulletin boards. A survey on information exchange facilities by TSAG re-enforced the importance of using such services. The number of accesses to TIES servers has greatly increased and reached about 2,000,000 menu accesses per month in June 1995. Small-m members are among the heaviest users, but the millions of accesses from thousands of user sites all over the world confirm that this service - which is referenced by many other sites on the World-Wide Web - greatly enhances ITU's visibility and image in the world.

Direct support to Member States

The department provided information, training and advice to a number of Member States including missions to Ethiopia, Kenya, Nepal, Senegal, Suriname and Vietnam. A number of PCs were provided to Member States. In addition, some Permanent Missions based in Geneva were provided with equipment, training and support to use ITU TIES.

Support to regional/area offices

Equipment was upgraded at many offices in 1995. A local area network was established in the Bangkok office.

Cooperation with other organizations

The department actively participated in the work of a number of inter-agency bodies and working groups including the Information Systems Co-ordination Committee (ISCC), the Working Group on Emergency Telecommunications, and UN Network ad hoc groups. The IS Dept continued to follow the evolution of the United Nations Telecommunication Network in the framework of Kyoto Plenipotentiary Conference Resolution 55. The department contributed to electronic document handling (EDH) working groups of the ITU-T TSAG and ISO/IEC/ITU ITSCG. Support was provided to other organizations (e.g., International Federation of Red Cross and Red Crescent societies, UPU).

Geneva MAN

The Geneva MAN pilot project (an ATM-based network connecting 6 pilot sites at 155Mbps) demonstrates a modern telecommunication infrastructure, using ITU standards, which will strengthen the working environment of Geneva-based organizations. The Geneva MAN task force is chaired by ITU. The network and applications were deployed in time for demonstrations at TELECOM 95.

TELECOM 95

Extensive support provided to TELECOM 95 included design and implementation of a very large local area network, a comprehensive global messaging service (with costs fully covered by sponsors), an event management system, and a very popular WEB information system. ITU's information exchange services and products were featured on the ITU stand, which boasted a sophisticated ATM-based technology environment. A FAX-on-Demand server was set up to reduce staff time spent responding to information requests.

Training

A wide schedule of training in office productivity tools, database management, TIES services and the new desktop system environment (Windows NT) was provided. A Computer Training Needs Analysis project was completed and recommendations were presented to management. Professional training of IT specialists included courses in development tools, networking, and database management.

Office productivity tools

A transition to Windows NT as the desktop operating system was begun. NT gives users improved reliability, with minimal changes in the desktop tools and user interface. A Windows NT-based desktop network management system was introduced including support for automated software distribution. Many resources were invested in the prevention, detection and eradication of computers viruses. An evaluation of the latest version of MS Office (version 95) was conducted with the participation of user services with the objective of implementing this version as the ITU standard. An Internet WEB browser software was deployed.

Application development

The INGRES/UNIX client/server database environment was improved (e.g., the separation of the production and development environments). An address management and dispatch system for BR documents was implemented. The Integrated Document Production System was put into production with approximately 50 users in services involved in the document production process. A Library Management System was implemented. Address management systems were implemented for BDT, TELECOM and the Press Service. A TELECOM Event Management System was developed using database technology on the WEB server and was successfully used for TELECOM 95. The payroll/personnel management system was further enhanced and now includes short term contract management and payroll. The new Financial Management System was put into operational use in January 1995 as planned and was enhanced during the year.

Information technology infrastructure

The information technology infrastructure comprises the desktop PCs, network, servers, printers, routers, modems, PABX, and other hardware as well as operating systems, database management system, communications and other software. The transition to the Windows NT operating system continued with the deployment of more servers and workstations. The design of a new LAN based on ATM technology was completed and a pilot project was started, including a new network management. The new LAN is necessary to overcome the performance limitations of the existing network, to add fail-safe paths between different parts of the ITU buildings and to support current and future user needs, particularly in the area of multimedia applications. New modem pools were installed including V.34-capable high speed modems.

The efficient operation of the complex IT infrastructure requires a variety of competencies, with staff receiving frequent training in new technologies. The IS Dept operations include telex, fax and postal mail services.

Support

Extensive user support was provided by all services of the department in the following main areas: desktop productivity tools, local area network, TIES services (including e-mail, WEB and interactive remote access), PC system software, software distribution and control, virus protection, application development, database management, operating systems, and equipment installation/maintenance. First line support to internal and external users was provided through helpdesks.

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5.2 Radiocommunication Sector (ITU-R)

5.2.1 Introduction

In 1995, the Bureau was heavily involved in the preparation for and holding of the Radiocommunication Assembly, the World Radiocommunication Conference 1995, and the ongoing implementation of the decisions of the Plenipotentiary Conference (Kyoto, 1994), where a set of Resolutions were adopted among which 23 directly or indirectly concern the Radiocommunication Sector activities. For four of these Resolutions, the Bureau has a lead responsibility.

- Resolution 16: "Refinement of the Radiocommunication Sector and Telecommunication Standardization Sector,"
- Resolution 18: "Review of the ITU's Frequency Coordination and Planning Framework for Satellite Networks";
- Resolution 20: "Use by the Broadcasting Service of the Bands Additionally Allocated to this Service";
- Resolution 19: "Improved Use of the Technical and Data Storage/Dissemination Facilities of the Radiocommunication Bureau".

In 1995, the consolidation of the transition to the new Radiocommunication Sector structure was completed with the second and third meeting of the Radiocommunication Advisory Group (RAG, 23-25 January and 11-14 September), the Conference Preparatory Meeting (CPM, 25 March to 5 April). The year 1995, with the Radiocommunication Assembly preceding WRC-95, also marked the conclusion of the first two-year Study Group period with around 179 meeting days in 1995 (Study Groups, Working Parties and Task Groups included).

Efforts to reconcile the Radiocommunication Sector workload and the resources available continued on the basis of the Strategic Plan in PP Resolution 1 and the BR Operational Plan.

5.2.2 Conferences

5.2.2.1 World Radiocommunication Conference (WRC-95) (see also item 4.2)

A secretariat, set up in the Radiocommunication Bureau, prepared the Conference on the basis of the agreed agenda and the foreseeable principal committees and working groups.

Members submitted proposals which were analyzed in the Bureau and processed by the General Secretariat's Conference services. Following discussions in the Radiocommunication Advisory Group, a structure was developed for the work of the Conference. That structure was successfully implemented. At the end of the Conference, the Final Acts were made available in time. Immediately after the Conference, the BR commenced the analysis of the results. That analysis reconfirmed the BR's serious concerns at WRC-95 about the post-conference workload, the rather charged agenda for 1997 and the lack of resources to meet the expected goals. Separate documents on the resource difficulties and the preparatory work planned for WRC-97 have been submitted to Council.

5.2.2.2 Radiocommunication Assembly (Geneva, 1995)

The second Radiocommunication Assembly (RA-95) opened its session in Geneva on 16 October 1995. 440 delegates from 82 Administrations, 38 Recognized Operating Agencies, 12 Scientific and Industrial Organizations, 12 International Organizations and 2 United Nations Specialized Agencies attended the Assembly.

Mr. J. Karjalainen (Finland) was elected Chairman of the Assembly, and Messrs. J-J. Da Silva (Brazil), A. Pavliouk (Russia), S. Mbaye (Senegal) and H. Zhou (China) were elected Vice-Chairmen.

In accordance with its agenda, the Assembly considered the work programme and the structure of the Radiocommunication Study Groups. A Drafting Group of the Plenary was also created "*with the task of proposing draft revisions of Resolutions ITU-R 1, 2, 14 and 15 taking into account the discussions and findings of the Plenary*". The structure of the Assembly was the following:

Committee 1 - Steering Committee

(Composed of the Chairman and Vice-Chairmen of the Assembly and the Chairmen and Vice-Chairmen of the Committees)

Committee 2 - Budget Control

Chairman: Mr. A. Kesse (Côte d'Ivoire)
Vice-Chairman: Mr. S. Kobayashi (Japan)

Committee 3 - Editorial Committee

Chairman: Mr. L. Bourgeat (France)
Vice-Chairmen: Mr. A. Pollard (United Kingdom)
Mr. P. Garcia Barquero (Spain)

Committee 4 - Structure and Work Programme of the Radiocommunication Study Groups

Chairman: Mr. B.A. Gracie (Canada)
Vice-Chairman: Mr. E. Hauck (Switzerland)

Drafting Group of the Plenary

Chairman: Mr. L. Barclay (United Kingdom)

In accordance with its agenda, the Assembly approved 1 new Resolution (ITU-R 38), modified 8 others and cancelled 5 existing ones.

The Assembly completed its work on Friday, 20 October 1995.

5.2.2.3 Conference Preparatory Meeting (CPM)

Preparations for World Radiocommunication Conferences (WRCs) are coordinated by the Conference Preparatory Meeting (CPM). It prepares a consolidated report based on the work of the Study Groups for presentation to each WRC. The ITU-R Study Groups and the Special Committee carry out preparatory studies of the technical, operational, and regulatory/procedural matters for consideration and consolidation by the CPM. The CPM may, as appropriate, develop additional material for the report based on inputs from administrations and other qualified entities and organizations.

The CPM normally holds two meetings during the interval between WRCs. The purpose of the first meeting is to coordinate the work programmes of the relevant Study Groups and the Special Committee based on the agenda for the next two WRCs.

The task of the second meeting is to prepare the CPM report for the next WRC. The meeting normally takes place about six months before the next WRC.

In preparation for the 1997 World Radiocommunication Conference, the CPM will hold its first meeting from 14 to 16 February 1996 in Geneva.

5.2.3 Radio Regulations Board

The Members of the new Radio Regulations Board were elected during the Plenipotentiary Conference (Kyoto, 1994). The composition of this new Board is the following:

Mr. Makoto Miura	Chairman (1995)	Japan
Mr. Henry Kieffer	Vice-Chairman (1995)	Switzerland
Mr. João C.F. Albernaz	Member	Brazil
Mr. Thormod Bøe	Member	Norway
Mr. Gerald L. Mutti	Member	Zambia
Mr. Ryszard G. Struzak	Member	Poland
Mr. Valery Timofeev	Member	Russian Federation
Mr. Kouakou J-B Yao	Member	Côte d'Ivoire
Mr. Sanbao Zhu	Member	China

This new Board took up its duties as of 1 January 1995 on a part-time basis and held three formal meetings (13-16 February, 6-9 June and 12-13 October). In addition, it met informally several times during the Conference to develop advice and to coordinate positions, as appropriate. It established its own internal working methods and considered, among other matters, possible input to the studies under Resolution 18, agreed on two amendments to the Rules of Procedure (one concerning Resolution 46 and another one for additional Appendix 3 data necessary for pfd calculations of certain non--geostationary space stations; these rules were published in Circular-letter CR/32 of 3 July 1995) and endorsed the action plan of the Director for coping with the major workload increases in space-related activities. There were no cases of appeal to be considered by the Board.

5.2.4 Radiocommunication Advisory Group (RAG)

The second and third meetings of the RAG took place from 23 - 25 January and from 11 - 14 September 1995. Again, a half-day joint meeting with TSAG was held in January as well as a joint meeting of management representatives from each advisory body of each Sector. A joint meeting with TSAG was not considered necessary in September although a Joint Working Group of

the RAG and TSAG related to Resolution 16 (Kyoto, 1994), was held on 15 and 18 September 1995, as mentioned below.

The second RAG meeting considered the results of the Kyoto Plenipotentiary Conference, the working methods of the Sectors and the work programme and structure of the Radiocommunication Study Groups. Particular emphasis was placed on the implementation of the strategic plan established in Kyoto, as well as on preparations for the World Radiocommunication Conference and the Radiocommunication Assembly. The RAG also suggested that Radiocommunication Study Groups 10 and 11 be maintained in their present form, and that all Questions in force be reviewed with the aim of establishing priorities so as to achieve the expected results with the limited resources available.

To consider the refinement of the ITU-R and ITU-T Sectors as required by PP Resolution 16, a joint RAG/TSAG Working Party was set up under the chairmanship of Mr. T. Bøe (Norway). It held its first meeting on 15 and 18 September 1995. Its first report is expected by February 1996.

The third meeting of the RAG reviewed the progress made in implementing decisions of the Plenipotentiary Conference, namely in the context of the review of the frequency coordination and planning process (Resolution 18), the refinement of the ITU-T and ITU-R Sectors (Resolution 16) and the review of the rights and obligations of m-members (Resolution 15). The RAG also reviewed the preparations for the World Radiocommunication Conference and the Radiocommunication Assembly, considered the Radiocommunication Study Group structure and procedures for the selection of Study Group Chairmen and Vice-Chairmen and examined cooperation and coordination with the other Sectors and with international/regional organizations.

The RAG held its fourth meeting from 19 - 23 February 1996 in parallel with the TSAG.

5.2.5 Radiocommunication seminars

a) Regional Radiocommunication Seminars

In implementing the BR strategic plan, three Regional Radiocommunication Seminars were held in 1995:

Bangkok, Thailand	February, 1995
Margarita, Venezuela	March, 1995
Pretoria, South Africa	September, 1995

b) Training sessions

Every year the Bureau welcomes a number of trainees at the Headquarters who wish to become familiar with its structure and working methods.

However, with the increased workload and reduced staff, a solution had to be implemented to limit the impact of these visits on the normal work of the Bureau. Training sessions are organised twice a year, the first one during spring and the second one in autumn. Potential trainees are invited to schedule their visits during these two periods.

In 1995, the training sessions were held in March and November.

5.2.6 Resolution 18 (Plenipotentiary Conference (Kyoto, 1994))

The Plenipotentiary Conference (Kyoto, 1994), in its Resolution 18, requested the Director of the Radiocommunication Bureau, in consultation with the Radiocommunication Advisory Group (RAG), to initiate a review of the ITU's frequency coordination and planning framework for satellite networks with a view to submitting a preliminary report to the 1995 World Radiocommunication Conference (WRC-95) and a final report to the 1997 Conference (WRC-97). As a first step, an information paper was prepared by the Radiocommunication Bureau which focused mainly on two areas: it summarised, on the one hand, the experience of the Bureau concerning difficulties with the ITU's space-related coordination and planning procedures (issues to be included in the study), and on the other hand, sought the view of the participants on the best possible ways of conducting the review exercise.

In considering the matter at its meeting held in Geneva, 23 - 25 January 1995, the Radiocommunication Advisory Group (RAG) decided to set up a Working Group (WG) to help define the scope and mechanisms for the considerations to be undertaken in accordance with the above Resolution. The Working Group of the RAG considered the possible issues to be included in the review and identified a list of issues which would be used in the studies organised within the framework of the Resolution.

On the basis of the reports prepared by the RAG Working Group and the Director, BR, the RAG examined the above list of issues and considered also them from the viewpoint of their allocation to existing ITU-R bodies for study and review. The study requested by Resolution 18 of the 1994 Plenipotentiary Conference was considered to be too broad and complex to allow a simple allocation of the different tasks to existing ITU-R groups. The opinion of the RAG was that the whole of the Radiocommunication Sector would need to be involved when undertaking the study with the assistance of the different elements of the existing structure and, in particular, with the help of the Radio Regulations Board and specific ITU-R Study Groups. The RAG also considered that these regulatory and policy issues would need structured and specific studies.

As requested by the Resolution, the Director, BR submitted his preliminary report to WRC-95. On the basis of this report the Conference decided that the studies will be undertaken by the following entities of the ITU-R Sector: Special Committee on Regulatory/Procedural Matters, other Study Groups (in particular SG 4), the Radiocommunication Advisory Group (RAG), the Radio Regulations Board (RRB), the Radiocommunication Bureau and the ITU Policy Forum (1996). The Director, BR will collect the results of the studies and will submit his final report to WRC-97 for decision.

5.2.7 Radiocommunication Study Groups

5.2.7.1 Study Group 1 - Spectrum management (M. Hunt, Canada)

Study Group 1 is responsible for the development of techniques for spectrum management. An area of increasing importance is the support to developing countries in spectrum management studies in cooperation with the BDT. The 1995 Radiocommunication Assembly has approved, among others, the work programme of Study Group 1 for 1996 -1997. Thirty-three Questions assigned to Study Group 1 serve as a basis for the work of its Working Parties and Task Groups in the preparation of new and revised ITU-R Recommendations. The Assembly also approved a modified scope of, and the principles applicable to, the work of Study Group 1 which now also include collection and

dissemination of information concerning computer programs identified by the Study Groups for implementation of relevant Recommendations which use automated processes for their proper application and study a limited number of specific urgent Questions concerning inter-service sharing and compatibility.

Following adoption by Study Group 1, a total of 13 new and revised Recommendations were submitted to and approved by the 1995 Radiocommunication Assembly in accordance with the provisions of Resolution ITU-R 1. Five of the new ITU-R Recommendations were developed as candidates for "incorporation by reference" into the simplified Radio Regulations according to the VGE request. The BR Secretariat was advised that these Recommendations could be automatically cancelled if the principle of incorporation was not adopted by the WRC-95. In accordance with the decision of WRC-95 the following Recommendations were "incorporated by reference" into the Radio Regulations revised by WRC-95:

- Recommendation ITU-R SM.1135 SINPO and SINPFEMO Codes (see RR, Appendix 15);
- Recommendation ITU-R SM.1138 Determination of necessary bandwidths including examples for their calculation and associated examples for the designation of emissions (see RR, Article 4, Appendix 6);
- Recommendation ITU-R SM.1139 International monitoring system (see RR, Article 20, Appendix 21).

Working Parties 1A, 1B and 1C, at their meetings in August 1995, developed a number of working documents which cover the engineering principles and techniques for effective spectrum management, for spectrum planning and sharing and for spectrum monitoring. Five draft new or revised ITU-R Recommendations on spectrum planning and sharing will be submitted for consideration to Study Group 1 at its meeting in October 1996.

Task Group 1/3 on spurious emissions is undertaking studies in response to Recommendation No. 66 (Rev. WARC-92). The third meeting of the Task Group took place under the chairmanship of Mr. A. Azoulay (France) in September 1995. Since this matter is included in the draft Agenda for the WRC-97, the work is scheduled so that the results can be submitted to the CPM-97. Liaison with other Study Groups is required in order to have a complete understanding of the requirements of each radiocommunication service.

The work of Task Group 1/4 on electronic spectrum management information exchange is well advanced under the chairmanship of N. Schroeder (USA). This work is carried out in response to Resolution ITU-R 1. Study Group 1, after consideration of the progress report of Task Group 1/4, decided to continue its work in two phases:

- Phase 1: to develop guidance for the formal and informal exchange of information through electronic means to share spectrum management information;
- Phase 2: to develop a comprehensive data dictionary to aid the process of notification and coordination.

The first phase of the work has been completed by the development of guidelines for the electronic exchange of spectrum management information.

D. Bacon (UK) will serve as Chairman of TG 1/4 in the second phase of its work which should be completed by February 1997 in the form of an ITU-R Recommendation and/or Report.

The three Handbooks developed by Study Group 1 have particular importance due to their use in developing countries. The Handbook on National Spectrum Management, in three languages, was published in 1995. This Handbook describes fundamentals, planning, engineering practices, frequency authorization, spectrum use, spectrum control and automation of spectrum management. The Handbook on Spectrum Monitoring (English only) was also published in 1995. The Study Group proposed to place advertising in this Handbook. It was decided to proceed with a trial of placing advertising in a separate booklet accompanying the Handbook. Another Handbook on computer-aided techniques for spectrum management is near completion.

The responsibility of the Study Group, in providing assistance to developing countries in spectrum management in cooperation with the BDT, was endorsed by the Radiocommunication Assembly in October 1995. This aspect was identified in Resolution ITU-R 4-1 in a new set of principles associated with the responsibilities of the Study Group. This role of assistance to developing countries has been a feature of the work of the Study Group for some time. The Handbooks and many of the Recommendations of the Study Group address the requirements of developing countries.

Resolution ITU-R 11-1, revised by the 1995 Radiocommunication Assembly, resolves that the Study Group should work in cooperation with the BDT and the BR on the implementation of the Basic Automated Spectrum Management System (BASMS) and the development of the Advanced Automated Spectrum Management System (ASMS).

Study Group 1 nominated Mr. R. Mayher (USA) as Rapporteur to ITU-D Study Group 2 and Mr. P. Dilger (Rhode & Schwarz, Germany) as Rapporteur to ITU-D Study Group 1).

5.2.7.2 Study Group 2 - Inter-service sharing and compatibility (J. Karjalainen, Finland)

A total of 6 new and revised Recommendations on inter-service sharing and compatibility were submitted to and approved by the 1995 Radiocommunication Assembly in accordance with the procedures of Resolution ITU-R 1. Three of them cover sharing in the frequency bands in the 1-3 GHz range. The Assembly also decided to dissolve Study Group 2 and transfer its duties to Study Group 1.

5.2.7.3 Study Group 3 (Radiowave propagation) (L.W. Barclay, (URSI))

At meetings of WPs 3J, 3K, 3L and 3M in January 1995, five new and nineteen revised Recommendations were prepared. These included improved prediction methods used in the determination of coordination distance, new methods for terrestrial land mobile services and a Recommendation providing guidance on the application of available prediction methods for the various services. At its meeting in June 1995, the Study Group approved all these draft Recommendations and also reviewed the Questions assigned to it. The RA, October 1995, subsequently adopted all the Study Group's proposals. In autumn 1995, WP 3K prepared a draft new Recommendation on indoor short-path propagation prediction which has particular relevance to personal communication services and RLANs, and developed material for Recommendations concerning outdoor short-path propagation and propagation aspects of land-mobile services.

During 1995, Study Group 3 responded to some 20 requests for propagation information from other ITU-R Study Groups and from the BDT.

Study Group 3 made progress on several Handbooks, and those covering radiometeorology and Earth-space propagation are intended for publication in 1996. Effort has continued in augmenting the propagation data banks, with emphasis on measurement data from low latitude, tropical regions. In this regard, the Study Group continued its support of BR's liaison with BDT on propagation issues in developing countries, and analysis was completed on data from a 20 month propagation experiment undertaken in Senegal.

5.2.7.4 Study Group 4 (Fixed-satellite service) (E. Hauck (Switzerland))

Ten draft new and revised Recommendations were adopted by Study Group 4 in June 1995 for the S Series (Fixed-satellite service) and three new and revised Recommendations were adopted by the joint meeting of Study Groups 4 and 9 in June 1995 for the SF Series (Frequency sharing between the fixed-satellite service and the fixed service), and then approved by the Radiocommunication Assembly in October 1995. These new and revised Recommendations which were prepared by Working Parties 4A, 4B, 4-9S and 4 SNG included frequency sharing between the inter-satellite service and the radionavigation service at 33 GHz; technical criteria to be used in examinations relating to the probability of harmful interference between frequency assignments; digital satellite systems forming part of Synchronous Digital Hierarchy (SDH) transport network; carrier-to-interference calculations between earth stations and radio-relay systems; and use of digital transmission techniques for satellite news gathering (sound).

Substantial progress has been made by the Working Parties of Study Group 4 in preparation of draft new Recommendations on topics including frequency sharing of non-GSO MSS feeder-links with GSO FSS networks and networks in the fixed service; frequency sharing between feeder-links of non-GSO MSS constellations; frequency sharing between FSS and MSS networks in the bands 19.7 - 20.2 GHz and 29.5 - 30.0 GHz; interference criteria for an HRDP operating at or above the primary rate in the FSS caused by other networks below 30 GHz; performance required for transmission of ATM traffic via satellite; transmission and performance requirements for digital satellite systems forming part of SDH transport networks; technical criteria to be used in examinations relating to the probability of harmful interference between the FS and the FSS; and digital transmission of HDTV via satellite for SNG and OB. Progress was also made in the preparation of the SNG user's guide.

The Handbook on VSAT systems and earth stations (Supplement No. 3 to the Handbook on Satellite Communications), prepared by the Handbook Group of Study Group 4, was published in 1995. Progress has also been made in preparation of the third edition of the Handbook on Satellite Communications (FSS).

5.2.7.5 Study Group 7 - Science services (H. Kimball, USA)

During this period Study Group 7 focused much of its attention on Radiocommunication Conference matters both in preparation for WRC-95 and WRC-97, inasmuch as these two Conferences have agendas that bear strongly on the Study Group's radio service interests. In recognition of the impact of Radiocommunication Conference decisions on the mutual and potentially interactive interests of radio services from different Study Groups, joint Study Group activities, involving Study Group 7, were initiated during this cycle.

An Ad-Hoc Group of Working Parties 7B and 9D (Ad Hoc Group 7B/9D) convened under the chairmanship of J. Miller (USA). Ad Hoc Group 7B/9D is tasked with examining the interactions between the fixed service and the science services in the 2 GHz region. Five preliminary draft Recommendations have been developed by the Group at its meeting in July 1995.

Joint Working Party (JWP 7-8R) continues the study of the compatibility of spaceborne sensors and systems in the radionavigation and radiolocation services under the chairmanship of Mr. W. Long (USA) and J. Saint-Etienne (France) as Chairman and as Vice-Chairman. Progress was made toward completion of the compatibility studies in the 13.25 - 13.75 GHz band. It was concluded that operation of doppler navigation systems and active spaceborne sensors are compatible. It was also tentatively concluded that operation of radiolocation/radionavigation systems and active spaceborne sensors are compatible but some further study is needed. Compatibility studies in the bands 8 550 - 8 650 MHz and 9 500 - 9 800 MHz have also started.

A group of Rapporteurs from Study Groups 7, 4, and 9 has been established to study the shared use of the 18.6 - 18.8 GHz band by the Earth exploration satellite service with the Fixed-satellite service and the Fixed service.

The Handbook on radio astronomy was published in three languages in October 1995.

Nine revised and fourteen new Recommendations adopted by Study Group 7 were presented to and approved by the 1995 Radiocommunication Assembly. They cover three different Series of the ITU-R Recommendations: RA (Radio astronomy), SA (Space applications and meteorology) and TF (Time signals and frequency standards emissions). In addition, two new ITU-R Opinions were approved which are related to the time signals and frequency standards activities of the Study Group.

Forty ITU-R Questions have been assigned to Study Group 7 by the 1995 Radiocommunication Assembly. They serve as a basis for the work of the Working Parties 7A, 7B, 7C and 7D and have resulted in the preparation of new and revised ITU-R Recommendations in this study period.

5.2.7.6 Study Group 8 (Mobile, radiodetermination, amateur and related satellite services (E. George (Germany)))

Task Group 8/1 on Future Public Land Mobile Telecommunication Systems (FPLMTS) had its eighth and ninth meetings in San Diego, US (February, 1995) and Tokyo, Japan (September, 1995), respectively, and prepared a total of four draft new Recommendations on framework for satellite, management, framework for terminology, and security for FPLMTS. Study Group 8 met in June 1995 and adopted 22 new and 14 revised Recommendations that were subsequently approved by the Radiocommunication Assembly, 1995 on land and maritime mobile services, spurious emissions of radar systems, frequency sharing of non-geostationary satellites systems, etc. and on the concept of incorporation by reference as suggested by the VGE for the Simplification of the RR. Working Party 8A met in Geneva in November-December 1995 and agreed on draft new and revised Recommendations on various aspects of the land mobile service (e.g., digital cellular radio, cordless systems, data messages and multi-mode terminals). Work on the handbooks on land mobile and mobile satellite services was initiated and carried out mainly by correspondence.

5.2.7.7 Study Group 9 (Fixed service) (M. Murotani (Japan))

At the June 1995 meeting of Study Group 9, 23 draft Recommendations (4 new and 19 revised) prepared by Working Parties 9A, 9B, 9C and 9D were adopted and then approved by RA-95.

The 4 new Recommendations deal with: a) error performance objectives for constant bit rate digital paths at or above the primary rate carried by digital radio-relay systems which may form part or all of the national portion of a 27 500 km hypothetical reference path (new Rec. ITU-R F.1189); b) protection criteria for digital radio-relay systems to ensure compatibility with radar systems in the radiodetermination service (new Rec. ITU-R F.1190); c) bandwidths and unwanted emissions of digital radio-relay systems (new Rec. ITU-R F.1191), and d) traffic capacity of automatically controlled HF systems and networks (new Rec. ITU-R F.1192).

The 19 revised Recommendations refer to: a) Interference issues (revision of Rec. ITU-R F.1094); b) Radio-frequency channel arrangements (9 Recommendations revised); c) General system characteristics (revision of Recs. ITU-R F.750-1 and F.699-2); d) Frequency sharing with other services (except FSS) (revision of Rec. ITU-R F.1108 incorporates an extended and detailed explanation of the FDP concept (fractional degradation in performance) that was then included by WRC-95 in the new Annex 2 to Resolution 46 (Rev. WRC-95) of RR), and e) HF systems (6 Recommendations revised).

In connection with *preparatory work for the CPM-97*, three main actions were taken to accelerate the work by correspondence: Study Groups 4, 7 and 9 adopted a new Decision establishing Rapporteurs to study shared use of the 18.6 - 18.8 GHz band by the earth exploration-satellite service with the fixed-satellite and fixed services; a Rapporteur Group was established to carry out studies on frequency sharing between the broadcasting-satellite service and the fixed service in the 12 GHz band, in cooperation with Study Group 11; and, especially, joint arrangements of Study Groups 8 (WP 8D) and 9 (WP 9D) were established to prepare an input to the CPM-97 on sharing between the MSS and the FS below 3 GHz as requested by WRC-95.

5.2.7.8 Study Group 10 - Broadcasting service (sound) (C Terzani (Italy))

Study Group 10 met in Geneva from 1 to 6 June 1995. The meeting, under the chairmanship of Mr. C. Terzani (Italy), was attended by 111 participants and was focused on the approval of 14 draft new or revised Recommendations for sound broadcasting, 2 draft new or revised Recommendations for sound recording and 2 draft new or revised Recommendations for satellite sound broadcasting. All these texts were submitted for approval to the Radiocommunication Assembly. The major results were:

- approval of a Recommendation on VHF/UHF antennas which complements existing Recommendation ITU-R BS.705 on HF antennas. A third Recommendation is expected to be prepared in the near future, thus finalizing the work on antennas for sound broadcasting;
- approval of Recommendations on digital audio broadcasting systems for terrestrial and satellite emissions. These Recommendations specify current applications for a single worldwide applicable system. This would be beneficial for an overall system economy, particularly when applications will be considered in developing countries;
- approval of a Recommendation for large capacity data systems associated with FM sound broadcasting emissions. The work on this issue continues, however, in Working Party 10B with a view to improve the service requirements to better evaluate systems proposed for standardization;
- approval of a Recommendation on audio coding for digital terrestrial television broadcasting. Work on this subject continues in Working Party 10C with a view to achieving a single worldwide standard;

Study Group 10 activities in the preparation of Handbooks are concentrated on:

- publication of a Handbook on digital audio broadcasting (as a result of joint work of Working Parties 10-11S and 10B) in 1995;
- continuation of the work on the HF system design handbook and on the LF-MF system design Handbook, which are expected to be published in 1997.

Study Group 10 proceeded to review all existing Questions and categorized them according to the requirements laid down by the Special Rapporteur appointed by the RAG. This work was carried out in close coordination with Study Group 11 through the Joint Steering Committee of Study Groups 10 and 11 and led to the reduction of the number of Questions from 58 to 48.

The Radiocommunication Assembly appointed Mr. A. Magenta (Italy), as new Chairman of Study Group 10, Mr. Terzani being unavailable to continue his mandate. Mr. L. Olson (USA) was appointed as new Vice-Chairman. Messrs. H. Kussmann and H. M. Joshi (India) were reconfirmed as Vice-Chairmen.

At the meeting of the Study Group Chairmen and Vice-Chairmen (Geneva, 20-21 November 1995), a change in the structure of Study Group 10 was implemented, consisting of the merger of Working Party 10A on *Sound broadcasting at frequencies below 30 MHz and sound broadcasting in the Tropical Zone* and Working Party 10A on *Antennas for sound broadcasting* and the transfer to Working Party 10B of all the studies on sound broadcasting at frequencies above 30 MHz (including sound broadcasting the Tropical Zone). As a consequence, after the re-allocation of the relevant Questions, Working Party 10B has been denominated *Sound broadcasting at frequencies above 30 MHz*.

The work of Study Group 10 has continued after its meeting in June. Working Party 10-11S met in September, focusing its activities on the preparation for the WRC-97 and on the Recommendation on digital multi-programme satellite television emission. Working Party 10B also met in September, concentrating on the Recommendation on the high-capacity radio data system.

Task Groups 10/3 and 10/4 also met in September, continuing their preparation of Recommendations on subjective audio quality assessment and perceptual objective audio quality assessment, respectively.

5.2.7.9 Study Group 11 - Broadcasting service (television) (Prof. M. I. Krivocheev (Russia))

Study Group 11 met in Geneva from 1 - 7 June 1995, under the chairmanship of Prof. M. I. Krivocheev (Russia). The meeting was attended by 125 participants and focused on the approval of 29 draft new or revised Recommendations for television broadcasting, 6 draft new or revised Recommendations for television recording and 3 draft new or revised Recommendations for satellite television broadcasting. All these texts were submitted for approval to the Radiocommunication Assembly.

The major results include:

- approval of a Recommendation on an enhanced PAL television system (PALplus)
- approval of a Recommendation on user requirements for SDTV and HDTV signals in SNG, thus complementing a set of Recommendations already established;
- extensive revision of Recommendation ITU-R BT.655 on radio-frequency protection ratios to include new image and adjacent channel protection ratio values;
- approval of a new Recommendation aimed at establishing a data bank in the ITU of test sequences for television applications;
- revision of Recommendation ITU-R BT.709 on high-definition television addressing the finalization of the work on this standard for studio and international programme exchange;
- approval of a first set of Recommendations on digital terrestrial television broadcasting intended to achieve a fully specified standard before this service becomes operational;
- approval of a new Recommendation on digital multi-programme satellite TV emission systems;
- approval of a Recommendation on a method for calculating the total interference between two satellite networks.

Study Group 11 activities in the preparation of handbooks have concentrated on the publication in 1995 of two handbooks on:

- "Digital television signals coding and interfacing within studios" and on "Subjective assessment methodology in television";

- continuation of the work on a handbook on enhanced television;
- finalization of the work on a handbook on teletext foreseen in 1996.

Study Group 11 proceeded to review all existing Questions and to categorize them according to the requirements laid down by the Special Rapporteur appointed by the RAG. This work was carried out in close coordination with Study Group 10 through the Joint Steering Committee of Study Groups 10 and 11 and led to the reduction of the number of Questions from 103 to 76.

The Radiocommunication Assembly reconfirmed Prof. M. I. Krivocheev (Russia) as Chairman and Messrs. T. Nishizawa (Japan) and R. Zeitoun (Canada) as Vice-Chairmen of Study Group 11. Mr. Kang Songshi (China) resigned from the Vice-Chairmanship due to his retirement.

At the meeting of the Study Group Chairmen and Vice-Chairmen (Geneva, 20-21 November 1995) some changes in the structure of Study Group 11 were decided upon. The implemented changes are:

- a merger of Working Party 11D *Data broadcasting* with Working Party 11A and the consequent re-allocation of Questions and denomination of Working Party 11A to *Television systems and data broadcasting*;
- suppression of Working Party 11F *Harmonization of TV standards with broadcast and non-broadcast applications* and the establishment of an ad-hoc Group of the Joint Steering Committee of Study Groups 10 and 11, with the task of liaising with external bodies. Other activities of Working Party 11F will be transferred to Working Party 11A.

The work of Study Group 11 in 1995 has continued after its meeting in June. Task Group 11/3 has met from 27 November to 1 December, finalizing a tutorial report on digital terrestrial television broadcasting. Working Party 11A complemented the studies on enhanced TV systems and finally, Working Party 11F had its last meeting to transfer its activities as previously mentioned.

5.2.8 Radiocommunication Bureau

5.2.8.1 Introduction

The Radiocommunication Bureau continued to provide technical and administrative support in preparation for ITU World Radiocommunication Conferences, Radiocommunication Assemblies and Study Groups, and the application of the provisions of the Radio Regulations.

In this respect, the Bureau carried out the international regulatory processes for registration of frequency assignments and satellite orbits, and assisted in resolving cases of harmful interference.

The Bureau continues to publish the service documents as required by the Radio Regulations.

The Bureau provided the specialized technical secretariat for the work of the Radiocommunication Study Groups in the development of Recommendations for spectrum utilization and radio system characteristics.

The Bureau provided technical information and seminars for frequency management and radiocommunications, working closely with the Telecommunication Development Bureau in assisting developing countries.

5.2.8.2 Frequency assignments to terrestrial stations in the terrestrial radiocommunication services

Treatment of frequency assignment notices

The following table shows the number of notices received in 1995 pursuant to different procedures of the Radio Regulations.

Number of:	Art. 12 (S.Sec IIA, IIB, IIC and Sec.V)	Art. 12 (S.Sec.IIE)	Art. 17	Total
Assignments notified in 1995 and requiring examination	23 775 (46 431) ²	5 701 (3 988)	30 100 (35 640)	59 576 (86 059)
Cancellations notified in 1995	2 288 (2 134)	250 (237)	2 600 (3 960)	5 138 (6 331)
TOTAL	26 063 (48 565)	5 951 (4 225)	32 700 (39 600)	64 714 (92 390)

Examination of frequency assignments to terrestrial stations in the bands below 28 MHz (Article 12 of the Radio Regulations)

The Bureau carried out, in accordance with RR1240 and RR1241 or RR1242 of Article 12 of the Radio Regulations, the examination of 5,206 notices relating to new frequency assignments or to changes in assignments already recorded in the Master Register. Pursuant to the decisions of the WRC-95 (Resolution 23) no examination under RR1241 or RR1242 is being performed in the non-planned bands below 28 MHz as from 18 November 1995.

1,799 frequency assignments to aeronautical stations in the HF bands allocated exclusively to the aeronautical mobile (R) and (OR) services between 2 850 kHz and 22 000 kHz were examined in accordance with the provisions of RR1333 - RR1349.

511 frequency assignments to coast stations in the HF bands between 4 000 kHz and 27 500 kHz allocated exclusively to the maritime mobile service were examined in accordance with the provisions of RR1240 and RR1242 or RR1315 - RR1332, as applicable.

Examination of frequency assignments to terrestrial stations in the bands above 28 MHz (Article 12 of the Radio Regulations)

In the bands other than those shared with space radiocommunication services, 19 358 assignment notices were received. The number of assignments examined was 23 055.

For frequency bands shared with space radiocommunication services, 21 637 notices were received. The number of assignments examined was 5 134.

² Throughout this paragraph, relevant corresponding figures for 1994 are given for information in parenthesis beside those for 1995.

Treatment of resubmitted notices - RR1255

The number of resubmitted assignments treated under the RR1255 procedure during the year was 1 604, whereas the number of such assignments subjected to this treatment since the initial application (in June 1985) was 7 636. In 6 298 cases, administrations were consulted. This corresponds to 21 569 assignments recorded in the Master Register, which had been the cause of unfavourable findings. Replies were received only in 26% of the assignments compared to 42% of the assignments during the previous year. Pursuant to the decisions of the WRC-95 (Resolution 23) the resubmission and inquiry procedures were abandoned as of 18 November 1995.

High Frequency Broadcasting Schedules (Article 17 of the Radio Regulations)

In application of Article 17 of the Radio Regulations, the Bureau prepared and published the Tentative High Frequency Broadcasting Schedules in frequency bands between 5 950 kHz and 26 100 kHz allocated exclusively to the broadcasting service for the four seasons (June 1995 through March 1996). The 5 362 (8 045) modifications to the Tentative Schedules were examined and published in the updates of tentative schedules and in the Final Schedules J93, S93, D93 and M94. Modification to the software has been initiated in application of Resolution GT-PLN-2 of WRC-95.

Terrestrial frequency assignment plans

In application of the relevant provisions of Regional Agreements, the Bureau examined the proposed modifications submitted by administrations to the following terrestrial frequency assignment Plans:

European VHF-UHF Broadcasting Plan, Stockholm, 1961:	3 578 (2 744) modifications treated
LF-MF Broadcasting Plan in Regions 1 and 3, Geneva, 1975:	120 (193) modifications treated
MF Broadcasting Plan in Region 2, Rio de Janeiro, 1981:	118 (258) modifications treated
FM sound broadcasting Plan in Region 1, Geneva, 1984:	1 749 (3 481) modifications treated
African Television Plan, Geneva, 1989 :	156 modifications treated.
MF Maritime Mobile and Aeronautical Radionavigation Plan, Region 1, Geneva, 1985	7 modifications treated
LF Maritime Radionavigation Plan, EMA, Geneva, 1985	36 modifications treated

Application of the procedure of Resolution 300

On the basis of requests from 4 (7) administrations, the Bureau applied the procedure of coordination laid down in Resolution 300 for 88 (429) frequency assignment notices for narrow-band direct-printing telegraph and data-transmission systems (paired frequencies).

Worldwide frequencies in the aeronautical mobile (R) service (Recommendation 402)

The Bureau applied the frequency selection and coordination procedure of Recommendation 402 of WARC-79 described in Bureau circular-letter No. 533 for 3 (2) administrations concerning 7 (11) channels in close collaboration with the International Civil Aviation Organization (ICAO).

5.2.8.3 Master International Frequency Register

Registration

At the end of 1995, the Master Register contained particulars of 1 189 324 assignments to terrestrial stations representing 5 464 469 line entries which are published in the International Frequency List at periodic intervals not exceeding six months. This publication is now available exclusively on microfiche and on CD-ROM.

Review of the Master Register and review of Findings

In accordance with Sections V and VI of Article 12 of the Radio Regulations, the Bureau carried out several reviews of selected bands of assignments recorded in the Master Register and effected necessary modifications to their Findings and/or the associated remarks in the different columns. This action was in response to certain decisions of administrative conferences. Additionally, the Bureau on its own initiative undertook a number of reviews to correct certain inconsistencies in the remarks contained in some columns of the Master Register including modifying the unfavourable finding to favourable in application of RR1428.

In application of RR1312, RR1313, RR1550, RR1554 and RR1555, the Bureau regularly consulted administrations to confirm the date of putting into service of their assignments notified in advance.

5.2.8.4 Frequency assignments to stations in the space radiocommunication services

In 1995, the number of cases to be treated as well as their complexity continued to increase due to the technological, operational and regulatory developments in the satellite communication environment. This increasing workload continues to have a significant impact on the work of the Bureau. The introduction of more automated treatment will allow increased efficiency of processing of frequency assignment notices.

The number of Special Sections concerning satellite networks processed under the procedures of Articles 11, 14 and Resolutions 33 and 46 (advance publication, coordination) was 987.

The number of satellite network and earth station frequency assignment notices notified under Article 13 during the year 1995 appears in the following table:

Number of:	Satellite networks	Earth stations
Networks and stations notified in 1995 and requiring examination	153 (16 102)	475 (8 981)
Cancellations notified in 1995	11 (216)	117 (1 128)
Total	164 (16 318)	592 (10 109)

(The figures given in parenthesis are the number of individual frequency assignments concerned.)

The treatment of the space frequency assignment notices during 1995 is given below:

Number of:	Satellite networks	Earth stations
Notices subjected to examination in 1995	104 (1 970)	122 (1 045)

(The figures given in parenthesis are the number of individual frequency assignments concerned.)

Examination of the notices concerning the FSS Allotment plan submitted by administrations in application of Article 6 of Appendix 30B continued. The MSPACE software previously developed is used for this purpose. At the end of 1995, the Appendix 30B List contained 989 frequency assignments as a result of the successful application of the Article 6 procedures. 26 Special Sections were published during 1995.

Results of examination of BSS and Feeder-link Plan submissions by Administrations in application of Articles 4 and 5 of Appendixes 30 and 30A were published in Special Sections and Parts I and II of the Weekly Circular as appropriate. Twenty-six such publications were made during 1995. In addition, special assistance was rendered to Administrations in application of different procedures of these Appendices. Moreover, the Bureau received 146 requests for modification/additions to the Plans which is far beyond the manpower resources available to the Bureau for such tasks. Intensive effort was devoted to the modification of the MSPACE and MSPACEG software in order to include algorithms provided by Study Groups (Working Party 10-11S) that now allow carrier-to-interference calculations to be performed as well as the treatment of submissions having non-standard and/or linearly polarized assignments.

In 1995, substantial progress has been accomplished in the reduction of the overall delay in the publication and examination of notices submitted within the Article 13 procedure and the Bureau has eliminated the more than 2 year backlog in this area accumulated during earlier years because of the change-over of the data-base and notice processing system (Space Network System - SNS). The SNS is now used on a regular basis for the processing of RR1060 satellite network coordination requests. Due mainly to the increasing number and complexity of incoming coordination submissions, a backlog of nearly 1 and a half years has been accumulated for the RR1060 cases.

5.2.8.5 Special Assistance to Administrations in frequency management

The Radiocommunication Bureau studied, under the relevant provisions of the Radio Regulations, regional and worldwide agreements, 93 cases of request for assistance received from administrations and addressed to both the Terrestrial and Space Radiocommunication Service Departments.

In addition to assistance cases requested under specific radio regulatory provisions, other types of assistance matters were also handled. The Bureau has rendered assistance to bilateral space systems coordination meetings, and has provided assistance in space matters in the form of meetings/ training missions to the administrations.

5.2.8.6 Cases of harmful interference; monitoring

All reports of harmful interference are treated by the Bureau as matters of urgency, particularly where safety services are involved. The Bureau promptly communicates with all administrations concerned to seek an early solution to the problem in the cases where the assistance of the Bureau is sought or when interference to a safety service is involved, even when the reports are sent to the Bureau for information purposes only. Where identification of the source of interference is uncertain, the Bureau requests administrations with appropriate monitoring facilities to assist in identifying the source of interference.

Some administrations communicate cases to the Bureau for information only, while others request the assistance of the Bureau, especially where interference to safety services are involved. The following table summarizes the interference cases treated during the year:

	<u>Existing at the beginning of 1995</u>	<u>New cases</u>	<u>Closed</u>	<u>Remaining cases</u>
Assistance (including safety services affected)	65 (56)	155 (67)	59 (58)	161 (65)
Information	16 (10)	22 (16)	16 (10)	22 (16)
Total	81 (66)	177 (83)	75 (68)	183 (81)

It should be noted that any one case may involve an interference complaint for several different frequencies/stations.

5.2.8.7 Allocation of international means of identification

5.2.8.7.1 Several queries were received concerning the use of international call sign series.

The following series of international call sign series was allocated:

T8A-T8Z PLW.

The following blocks of ship station selective call numbers were assigned:

71200-71499	USA;	71600-71699	TON; and	70900-71099	PNR;
71800 - 71899	KRE;	70300-70399	PHL;	70500-70699	BLZ;
70800-70899	CBG				

The following blocks of coast stations identification numbers were assigned:

0370 - 0379 BEN 1380 - 1389 KRE; 1140 - 1149 USA

The following Maritime Identification Digits (MIDs) were allocated:

234 G; 511 PLW; 355 PNR; 212 CYP; 228 F;
423 AZE; and 564 SNG.

5.2.8.8 Preparation and follow-up activities of Conferences

Follow-up actions on the decisions of the WARC-92

In application of the interim procedures for the coordination and notification of frequency assignments of non-geostationary satellite networks in certain space services as well as other services to which the bands are allocated, 55 Special Sections in RES.46/A and B series (advance publications) and 27 Special Sections in the RES.46/C and D series (coordinations) were published.

Follow-up actions on the decisions of the WRC-95

Resolution 531 of WRC-95 (former GT-PLN-1)

Resolution 531 in Chapter 5 of its Annex contains the instructions and advice to the ITU-R Sector concerning the measures to be taken in view of the WRC-97 agenda item for the "Review of Appendices 30 and 30A". The major elements of this Chapter are as follows.

Rules of Procedure

According to the Conference decision as contained in paragraph 5.3 of Annex to the above-mentioned Resolution, the Bureau submitted draft Rules to cover the matters relating to the application of Appendices 30/30A and the RRB approved new Rules of Procedure and some specific measures (single actions) to meet the Conference requirements.

Planning exercises

In paragraph 5.4 of Resolution 531, the Bureau was requested to undertake planning exercises (with the assistance of administrations and the Study Groups). Accordingly, the Bureau has established a specific work plan to update the available software (MSPACE including development of the data capture, management and publication sub-systems) and to conduct, in 1996/97, the various steps of the planning exercises.

Special monitoring programme in the band 406 - 406.1 MHz (Resolution 205 of WARC MOB-83)

In its Resolution 205, WARC MOB-83 instructed "to organize monitoring programmes in the band 406 - 406.1 MHz in order to identify the source of any unauthorized emissions in that band". During the year 1995, the observations communicated by five administrations of the COSPAS/SARSAT system concerned 161(114) unauthorized emissions involving 40(20) administrations. 88(95) emissions ceased their operations by the end of 1995.

Costing study

As requested by Resolution 13 (APP-92), the Bureau carried out a study to evaluate the costs involved in the technical examination of assignment notifications for various classes of radio stations, satellite networks, etc. The study covered the 1993 period and resulted in a report which included the various unit costs (staff costs only) for many of the services offered by the Bureau. In Resolution 19 (PP-94), the Conference resolved that this study be continued.

The Bureau has initiated a new costing study in 1995 to evaluate the costs of the various products and services which are generated in the Departments. These costs will include staff costs as well as indirect costs and costs invoiced by other components of the ITU. With the cooperation of the Strategic Planning Unit (SPU) and the Finance Department, this study will be completed during the first half of 1996.

5.2.8.9 Software development and implementation; data bases for frequency management

The strategy and plans to migrate the existing software to the new ITU operating system and software platform were reviewed in view of the cost and consequences for the work of the BR. The implementation of those plans is under way. Precise objectives have been defined, in order to complete the anticipated migration of all software application systems in the Radiocommunication Bureau by the end of 1998.

Large volumes of data are now published regularly on CD-ROM. This concerns the International Frequency List, the terrestrial frequency assignment Plans and the list of Space Radiocommunication Systems with all specific data including graphical data for the latter. In addition, the Weekly Circular and its Special Sections are made available on a weekly basis and can be used together with the data on CD-ROM through a software package for local frequency management. The HF Broadcasting Schedules are published regularly on diskette. Also accessible through TIES is the List of Ship Stations with possible queries on relevant data (MARS).

To further promote computer-assisted spectrum management and to improve access to available software, the ITU software data base, which is also accessible through TIES, has been established. It contains detailed descriptions of available relevant software. Software from this catalogue is available for all interested parties.

5.2.8.10 Support to the Radiocommunication Assembly and the Study Groups

The Counsellors of the Departments assist the Director by providing technical secretariat support for the Radiocommunication Assembly and the Radiocommunication Study Groups, in particular assisting with the organization and with the prioritization of work programmes of the associated Radiocommunication Study Groups, Working Parties and Task Groups.

Radiocommunication Study Group Department A

The work of the counsellors includes preparation of meeting schedules, dissemination of meeting announcements, processing of contributions and meeting documents, providing guidance and preparation of TEMP documents during the meetings, preparation of the texts resulting from the meetings, including draft new and revised Recommendations, contributions to the CPM Report for WRC-95, liaison statements to other Study Groups of the ITU or other international/regional organizations, and the Chairman's Reports to subsequent Working Party and Task Group meetings annexed with working documents and material destined for future Recommendations and Reports.

Study Group Department A provided secretariat support to Study Groups 1, 2, 7, 10 and 11 and to the CPM and its Working Party.

With the position of the Senior Counsellor for Study Group 2 and Working Party 10-11S having been vacant in 1995, the support of these Groups was provided by the two Counsellors, two Assistants and two short-term Secretaries.

Radiocommunication Study Group Department B

The Department is responsible for Radiocommunication Study Groups 3, 4, 8 and 9 which cover the fixed, fixed-satellite, mobile, radiodetermination, amateur and related satellite services, and radiowave propagation. The work of Committee 4 of the Radiocommunication Assembly (Geneva, November 1995) was supported by this Department. Paying particular attention to the strategic plan for the ITU-R Sector and preparatory studies to the future World Radiocommunication Conferences, Committee 4 carefully examined the structure of Radiocommunication Study Groups including the study of regulatory/procedural matters and the work programme of Radiocommunication Study Groups for 1996-1997. The conclusions are included in Resolutions ITU-R 4-1, 5-1 and 38.

Other activities involved assistance with the production of handbooks on VSAT systems, digital radio-relay systems, land mobile and mobile satellite services and radiowave propagation, taking into account the special needs of developing countries. The Department is also actively involved with electronic document handling, electronic document exchange and a TIES bulletin board for FPLMTS studies.

5.2.8.11 Cooperation with Development and Telecommunication Standardization Sectors

Strong liaison continued with the ITU-D sector through contact-points within the respective Bureaux and via the Advisory Groups (RAG and TDAB). In addition, a specific staff member in BR was nominated to serve as a main focal point for BDT/BR interaction.

Particular attention was paid to certain aspects of ITU-D Questions currently under study in the newly formed ITU-D Study Groups 1 and 2, and also to those programmes of the BAAP where ITU-R can contribute. Notable amongst these topics of common interest are: i) spectrum management models for developing countries, where ITU-R has been closely involved in the development and training of BASMS (Basic Automated Spectrum Management System); ii) disaster communications, where ITU-R SG 8 has adopted a Question in response to Resolution 7 (WTDC-94) to consider the contributions of the mobile, amateur and associated satellite services to the improvement of disaster communications; iii) identification of those Questions under study in ITU-R of *particular* interest to developing countries, and for which BR submitted a contribution to the Rapporteur Groups of ITU-D SG 2 prepared by the ITU-R SGs and responsible BR Counsellors; iv) handbooks of special interest to developing countries. Some material was provided from ITU-R Study Groups, suitable for inclusion in future ITU-D handbooks; in addition, attempts were made to improve awareness of those handbooks already available (from ITU-R) and those under preparation.

BR has continued to collaborate with BDT in the area of radiowave propagation, particularly with regard to measurement experiments and the acquisition of data from regions of the world for which adequate propagation information for service planning is lacking. For Africa, the analysis was completed of over two years of VHF measurements obtained on a long-distance over-land path in Senegal. (The detailed analysis was undertaken at the International Centre for Theoretical Physics (ICTP) at Trieste (Italy), under the supervision of BR.)

BR, in conjunction with BDT, continues its strong connections with the International Centre for Theoretical Physics (ICTP) at Trieste which has, as a principal objective, the advancement of science and engineering in developing countries. A BR counsellor has undertaken missions to ICTP (within the framework of an MOU between ITU and ICTP) which involve counselling and consultation with visiting scientists and engineers from developing countries. Consultations focus on specialised projects of relevance to the country of concern, with the topics frequently relating to aspects of spectrum management and radiowave propagation. During the year, the involvement of ICTP in various training projects under development by BDT, and of relevance to ITU-R, was also strengthened.

Close cooperation and coordination with ITU-T Study Group 9, as regards broadcasting matters, was activated and maintained through the Joint Steering Committee of ITU-R Study Groups 10-11, whose secretariat is provided by the Bureau.

5.2.8.12 Collaboration with international and regional organizations

Close cooperation is maintained with the International Maritime Organization (IMO), International Civil Aviation Organization (ICAO), the World Meteorological Organization (WMO), Inter-American Telecommunication Conference (CITEL), European Conference of Postal and Telecommunication Administrations (CEPT) and the International Mobile Satellite Organization (Inmarsat) as well as other international and regional satellite operating organizations such as INTELSAT, EUTELSAT and Arabsat, Comité international radiomaritime (CIRM), Comité international de la Croix-Rouge (CICR), International Association of Lighthouse Authorities (IALA), International Hydrographical Organization (IHO), COSPAS-SARSAT and International Amateur Radio Union (IARU), all of which participate actively in the work of the Study Groups. The Bureau also continues to follow the activities of URSI and maintains contact with the URSI Scientific Committee for Telecommunications (SCT) which was established to identify and to stimulate studies in radio science of common interest.

The Radiocommunication Bureau took an active part in the work of the Scientific and Technical Sub-Committee and the Legal Sub-Committee of the United Nations' Committee on the Peaceful Uses of Outer Space (UN-COPUOS). The Legal Sub-Committee of the COPUOS had on its agenda questions on the character and utilization of the geostationary orbit and the definition and delimitation of outer space. The common understanding of the UN Committee members was that the GSO, because of its specific characteristics and features and its nature of being a limited natural resource, requires scientific, technical, political, and strategic considerations by the United Nations but these considerations should not lead to controversial regulations in the different fora of the UN family. The role of the ITU in the domain of regulating space activities and the use of the GSO, in particular, has been recognized and it is admitted that the treaty making activities of the UN should be complementary to the activities of the ITU and without prejudice to the role of the ITU. The Radiocommunication Bureau prepared the ITU's 34th Annual Report on telecommunication and the peaceful uses of outer space. This Report was also submitted to the COPUOS and its Sub-Committees.

Close liaison and cooperation was maintained with the major broadcasting Unions (i.e., the EBU, ABU, ASBU, NANBA, etc.) and the World Broadcasting Unions, particularly as concerns activities related to the Study Group work. Attendance at the technical committees of these Unions was provided within the budgetary constraints.

The Bureau continued to follow the activities of URSI and to maintain contact with the URSI Scientific Committee for Telecommunications (SCT) which was established to identify and to stimulate studies in radio science of common interest. Work on radiowave propagation, both in the Bureau and in Study Group 3, benefited particularly from this liaison.

5.2.9 Publications

5.2.9.1 Books of the Radiocommunication Assembly, ITU-R Recommendations, Handbooks

Following the decision taken during the RAG meeting in April 1994 that all Recommendations in force must be published every 4 years, 594 Recommendations were published in 1994/1995. They are distributed in 23 Volumes (by language) and total about 15 000 pages. 12 Volumes were ready for sale at the end of 1994 (5 725 pages) and the remaining 11 Volumes were finalized and printed in 1995 (9 275 pages).

At the end of 1995, eight Fascicules of new and revised Recommendations approved by the Radiocommunication Assembly in October 1995 have been edited (1 920 pages in the three languages).

A significant effort is being made to make all ITU-R Recommendations available on-line in WinWord2 and Postscript formats. While new or revised Recommendations are put on-line immediately, many of the older Recommendations need to be converted to fully electronic format. This involves the conversion of some 4 500 pages of texts in the three languages, insertion of scanned or re-drawn figures and proofreading. As an interim measure, 1 755 figures have been scanned (three languages) and are being inserted into the texts. 817 figures were re-drawn in 1995 in electronic format with addition of relevant texts in the three languages. 1 320 pages of these converted texts were proofread in 1995.

Five handbooks were published in 1995 (2 760 pages in the three languages):

- National spectrum management
- Supplement No. 3: Handbook on Satellite Communications "VSAT Systems and earth stations"
- Radioastronomy
- Terrestrial and satellite digital sound broadcasting to vehicular, portable and fixed receivers in the VHF/UHF bands
- Digital television signals: coding and interfacing within studios.

In addition, various ITU-R Reports relating to the broadcasting and mobile services (BO, BS, BT, M Part 1 and M Part 3 Series Reports) were edited and published, totaling 1 530 pages in the three languages.

5.2.9.2 Radio Regulations publications

Radio regulatory matters

Consolidated version of the Rules of Procedure

In response to provision No. 1001 of the Radio Regulations, the former International Frequency Registration Board (IFRB) developed appropriate Rules of Procedure and associated Technical Standards for internal use by the Board and the Secretariat. Since their first publication in 1954, the Rules of Procedure have been constantly reviewed and modified. Following the Additional Plenipotentiary Conference (Geneva, 1992) and the changes in the structure of the Union, the Radio Regulations Board, on the basis of proposals submitted by the Radiocommunication Bureau, consolidated all the earlier Rules into a new set of Rules of Procedure, eliminating outdated Rules and, in a smaller number of cases, adopting new Rules. Following the approval of these Rules, in accordance with provision No. 95 of the Constitution, the Bureau published the consolidated version of the Rules of Procedure (Edition 1994) and communicated them to all administrations with the circular-letter CR/32 of 5 December 1994.

Weekly Circular

The Weekly Circular is despatched on paper and microfiche to the administrations of all Members of the Union every week by airmail; it contains in Part I all complete frequency assignment notices received by the Bureau, in Part II the favourable Findings by the Bureau resulting in entry of the assignment in the Master Register and, in Part III, the unfavourable Findings resulting in the return of the notice to the notifying administration. Annexed to the Weekly Circular is an appendix which contains additions and changes to the explanation of symbols and remarks adopted since the publication of the last edition of the Preface to the International Frequency List. Also annexed, as and when required, are Special Sections forming part of the procedures involving advance publication, coordination procedures for stations in space radiocommunication services and procedures for modification of Frequency Allotment Plans and Frequency Assignment Plans.

The data contained in the Weekly Circular and its Special Sections is also available on diskettes (WIC-on-Diskette) to facilitate the treatment of this data. It provides a more flexible and easier method of access than the microfiche version.

International Frequency List

The International Frequency List (IFL), published in response to the provisions of the Radio Regulations, contains information extracted from the Master International Frequency Register. This list is published twice a year, on microfiche and on CD-ROM.

Preface to the IFL and Weekly Circular

The Preface to the International frequency List and the Weekly Circular is regularly updated with the modifications proposed by the Administrations and on the basis of the studies undertaken by the Bureau on the information contained therein.

Frequency Assignment Plans

The updated assignment Plans are published once a year on CD-ROM.

Service documents

The service documents are, inter-alia, operational documents that provide a forum that enables member administrations of the Union and the maritime community to continually exchange and be informed of up to date information on particulars of stations in the maritime mobile services so as to ensure smooth and safe operation of these services. In addition to these publications and their supplements, urgent and critical information is posted in the operational bulletin and as for the particulars of ship stations, for the purposes of search and rescue, a remote access and retrieval systems through TIES and the WWW, known as MARS (maritime mobile access & retrieval system) is now available. The table below summarizes the service documents that were published during 1995:

		LIST IV	LIST V	LIST VI	LIST VIIA	LIST VII B	LIST VIII	TOTAL
1995	Edition	1 (15th)	1 (35th)		1 (17th)		1 (8th)	4
	Supplements	1	3	2	3	2		11

High Frequency Broadcasting Schedules

The HF Tentative and Final Schedules have been regularly published within the regulatory time frames. The Schedules are published on diskettes but extracts on paper have been sent on request.

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5.3 Telecommunication Standardization Sector (ITU-T)

5.3.1 Introduction

Being situated between the World Telecommunication Standardization Conferences and in the middle of the Study Period, the year 1995 has been a very fruitful one for the activities of the ITU-T Sector. This year showed steady progress and development of the work in terms of production of ITU-T Recommendations, all taking into account efficiency, increase of productivity and the rationalization of activities. In fact 175 new and 113 revised Recommendations were approved during this year; participation of members increased in numbers to 293, including the participation of 36 new members.

Cooperation with other standard-setting bodies, such as fora and consortia, external to ITU increased as well; the formal contacts between these other bodies and ITU-T were improved. This enabled ITU-T to cope more with the latest situation of technological innovation and of consumer market demand (for details see item 5.3.3).

Facing the proliferation of systems and networks of different nature and the different kinds of telecommunication services, ITU-T is asked more and more to secure their interconnection and interoperability globally. It executes the function of hub of all the necessary arrangements in order to realize efficient and integrated telecommunication services throughout the world. In this sense, the studies of concepts such as Global Information Infrastructure, Internetworking Interface and Audiovisual/Multimedia for example, are a challenge to ITU-T to accommodate this task flexibly within its actual functions.

5.3.2 Study Groups and the Telecommunication Standardization Advisory Group

5.3.2.1 Study Group 1 (Service definition) - Chairman: Mr. M. Israel (Canada)

Study Group 1 held two meetings in Geneva and four Rapporteur group meetings were held in different locations. The study group achieved, inter-alia, the following results:

- a new service Recommendation on the international freephone service (IFS) was completed;
- a framework Recommendation for audiovisual/multimedia services was prepared, which defines a methodology for use in developing general service Recommendations responsive to the needs of both the end-user and service provider; in addition a new Recommendation on the videophone service in the PSTN was developed.
- new Recommendations were prepared defining the operational requirements for international voice mail.
- a number of Recommendations on ISDN supplementary services (e.g. teleaction, user-to-user signalling, terminal portability, etc.) were completed.
- refinements and modifications to reflect current needs were made to Recommendations dealing with the international charge-card service, bureaufax service, message handling services and telegram service.

5.3.2.2 Study Group 2 (Network operation) - Chairman: Mr. G. Gosztony (Hungary)

Study Group 2 held two meetings, one additional working party meeting and twelve Rapporteur group meetings in different locations.

The most important activity of Study Group 2 was concentrated on international numbering issues, viz :

- after two years of extensive debate, consensus was reached on an eight-digit format for the universal international freephone number (UIFN) and country code 800 was allocated to this service;
- the TSB is prepared to act as Registrar for the UIFN and considerable work has already been undertaken, in collaboration with the Finance Department and the Information Services Department to undertake this important new task. In a separate document to be prepared by the Finance Department, Council will be asked to provide guidance on how cost recovery for this function should be applied, i.e. whether to recover direct costs or provide means to generate extra revenue for the Union.
- the request by Global Mobile Satellite System (GMSS) operators for E.164 country code resources was discussed extensively at a special working party meeting in San Francisco. An agreement was reached, which was not unanimous but reflected the majority view, that numbering capacity should be assigned to GMSS operators, through a shared code mechanism rather than a unique three-digit country code for each operator, as was originally requested. This decision will be conveyed to Study Group 2 as a basis for a way forward on this delicate issue.

5.3.2.3 Study Group 3 (Tariff and accounting principles) - Chairman: Mr. B. Rouxville (F)

Study Group 3 and its working parties had one round of meetings.

During the year 1995, Study Group 3 developed several tariff Recommendations on new services such as ISDN Supplementary Services, Public Directory Service, Frame Relay Service, VSAT Service, Intelligent Network supported Services, etc.

In the area of the accounting rate and its division procedure (Resolution 22, Kyoto 1994), extensive work resulted in the revision of Recommendation D.155. A sharing basis of other than 50/50 may be agreed if both administrations agree that cost oriented accounting rates have been achieved and that the cost incurred by each administration for the provision of international telephone service are not essentially equivalent.

As regards Resolution 21 of the Plenipotentiary Conference (Kyoto 1994) on the alternative calling procedure, work has been entrusted to an ad hoc group. The ad hoc group defined the areas in which administrations would be able to reach agreement fairly quickly and other areas in which it necessitates more detailed study. Four agreements have been reached in the first areas (sovereign right of each country to regulate Call-Back, respect of national regulatory measures by other countries, useful role of ITU in inter-Member communications and suspension of certain types of

Call-Back operation) and three major additional issues (whether Call-Back operation is in conformity with the International Telecommunication Regulations, the impact of Call-Back on developing countries and the issue of dissymetry of collection charge) have been identified for further study in 1996. A preliminary report was submitted to the Council in June 1995.

Among four Regional Tariff Groups (TEUREM, TAF, TAL, TAS), TEUREM and TAS held one meeting. TEUREM Group arrived to the conclusion that it has achieved the objectives and there is no more need to hold another meeting. TAS Group succeeded to realize cost analysis for its Region and obtained the average cost but needs additional meetings to develop a Recommendation.

5.3.2.4 Study Group 4 (Network maintenance) - Chairman: Mr. J. Shrimpton (USA)

Study Group 4 and its five working parties met twice since the last reporting. In addition, experts groups on terminology, telecommunication management network (TMN), network performance, digital transport networks, designations, leased circuits and data transmission systems and B-ISDN held a total of 9 meetings. Main issues dealt with were:

- a new approach in exchanging maintenance information at customer contact point;
- digital maintenance limits for SDH;
- TMN functional requirements for CCSS No.7 maintenance;
- management of ISDN access for TMN services;
- TMN management services for B-ISDN;
- managed object conformance statement;
- TMN management services for traffic management, customer controlled services;
- equipment to assess error performance on STM-N interfaces and ATM layer.

The Joint Coordination Group on TMN (JCG-TMN) met twice. The first meeting dealt with coordination on TMN roadmap database, convergence of existing and in-progress methodologies, ODP, generic template for implementor's guide for defect reportings and broader communication process with outside fora. The second meeting discussed B-ISDN proposed allocation of work, use of Formal Description Techniques (FDTs), directory services for TMN, progress in E/R specification techniques, progress in TMN/IN harmonization, Open Distributed Management Architecture (ODMA), etc.

5.3.2.5 Study Group 5 (Protection against electromagnetic environment) - Chairman : Mr. G. Meineri (I)

Study Group 5 distributes its studies in three working parties :

- Working Party 1 (High frequency compatibility)
- Working Party 2 (Compatibility with electricity lines)
- Working Party 3 (Resistibility, protection components, lightning, earthing)

In 1995, Study Group 5 and its working parties held a one-week meeting in January/February. 13 Normal and 9 Delayed Contributions, and 68 Temporary Documents were addressed at that meeting. Further, the Rapporteur groups of Working Parties 1 and 2 met one week in Budapest in July, while the Rapporteur groups of Working Party 3 met one week in Buenos Aires in September. A meeting of Chairmen and Vice-Chairmen of Study Group 5 and its working parties was organized in Bologna, 2-3 October.

Following the decision at the January Study Group 5 meeting, a new Recommendation K.32 (on immunity requirements and test methods for electrostatic discharge to telecommunication equipment), and revised Recommendations K.11, K.12 and K.22, were put to vote under Resolution 1.8 procedure and approved on 31 May. 3 new and 2 revised Recommendations were identified as candidates for Resolution 1.8 approval at January 1996 Study Group 5 meeting, as well as other 5 new and 4 revised Recommendations for adoption at the same meeting for approval by the WTSC-96. Further 6 new Recommendations were identified for future approval.

Concerning the Handbooks, work on revision of the Directives (composed of 9 volumes), as well as on new handbooks on Measurement, and on Earthing and bonding of telecoms installations, continued.

5.3.2.6 Study Group 6 (Outside Plant) - Chairman : Mr. K. Nikolsky (RUS)

Study Group 6 distributes its studies in three working parties :

- Working Party 1 (Copper cable technologies and environmental protection issues)
- Working Party 2 (Installation and maintenance of optical fibre cables)
- Working Party 3 (Optical fibre cable construction and passive optical devices)

In 1995, Study Group 6 and its working parties held a one-week meeting in March. 29 Normal and 11 Delayed Contributions, and 34 Temporary Documents were addressed at that meeting. Further the Rapporteur groups of all the three working parties met one week in Madrid in October.

Following the decision at the March Study Group 6 meeting, a new Recommendation L.17 (Implementation of connecting customers into the PSTN via optical fibres) was put to vote under Resolution 1.8 procedure and approved on 10 March. At the April Study Group 6 meeting, no Recommendations were identified as candidates for Resolution 1.8 approval at 1996 Study Group 6 meeting. Following the discussion at March Study Group 6 meeting, the Rapporteur group meeting

in Madrid noted that 13 new Recommendations (including 4 on fire safety, and 3 on marinized terrestrial cables) were to be adopted at the 1996 Study Group 6 meeting for approval by the WTSC-96. Studies on a new Recommendation on the classification of outside plant waste, continued.

Work continued on updates of Handbook on Optical Fibre Cables, and Handbook on Computer Application to Outside Plant. Drafting work advanced on the Handbook on Protection against Fire, and Handbook on Marinized Terrestrial Cables.

5.3.2.7 Study Group 7 (Data networks and open systems communications) - Chairman : Mr. H. Bertine (USA)

Study Group 7 and its five working parties held one meeting. In addition, several Rapporteur groups met to progress their work.

Although Study Group 7 had been working on "Time T" issues for several meetings, it was only at this meeting that Study Group 7 realized a practical, real problem with "Time T" approaching. In other words, since no data networks and no DTEs have implemented the Type of Address/Numbering Plan Identification (TOA/NPI) capability by now, it would become impossible for the internetworking between the X.121 network and the E.164 network when the escape code "O" is eliminated at "Time T". Having discussed this issue with ITU-T Study Group 2, an agreement was reached that the date of discontinuance of escape code "O" shall be set at 23:59 hours (UTC) on 31 December 2000, which was announced in TSB Circular 180.

In 1995, 97 draft new and revised X-series Recommendations were approved, and two Recommendations were deleted. Study Group 7 declared that the conformance testing manuals developed during the previous study periods are now obsolete. A new set of manuals will be put on the ITU file server.

Study Group 7 continued to work closely with ISO/IEC JTC 1.

5.3.2.8 Study Group 8 (Terminals for telematic services) - Chairman: Mr. W. Staudinger (D)

Study Group 8 and its three working parties held one meeting. Several Rapporteur groups met before or after that meeting to progress their work.

21 draft new or revised Recommendations were approved and one Recommendation was deleted.

Study Group 8 agreed to establish the communications process with EWOS (European Workshop for Open Systems) and to further review a similar contact with another consortia IMTC (the International Multimedia Teleconferencing Consortium).

Study Group 8 worked closely with ISO/IEC JTC 1 on certain subjects of common interest such as Open Document Architecture (ODA), Joint Bilevel Image Group (JBI).

**5.3.2.9 Study Group 9 (Television and sound transmission) - Chairman :
Mr. J.L. Tejerina Garcia (E)**

Study Group 9 held one regular meeting and there were two additional meetings of Working Party 1/9. Recommendations were approved in the areas of:

- digital multiprogramme systems for television, sound and data services for cable distribution;
- distribution of digital multiprogramme signals for television, sound and data services through SMATV (satellite master antenna television) networks;
- transmission of component-coded digital television signals for contribution-quality applications.

Among the Recommendations stabilized for approval in 1996 is draft new Recommendation J.82 (Transport of MPEG-2 constant bit rate television signals in B-ISDN), the subject of the two additionally scheduled meetings of Working Party 1/9.

Two new study Questions were approved in the areas of:

- a) networks for television distribution services, and
- b) physical distribution of MMDS (multichannel multipoint distribution system) services.

**5.3.2.10 Study Group 10 (Language for telecommunication applications) -
Chairman: Mr. O.F. Faergemand (DNK)**

Study Group 10 held one meeting. Besides, experts groups held three meetings in different locations. The subjects covered were:

- Corrections to Recommendation Z.100 (CCITT Specification and description languages - SDL);
- SDL and ASN.1;
- Common Interface Format;
- Formal Description Techniques (FDTs);
- Message Sequence Charts (MSCs);
- Graphic GDMO;
- Human Machine Interface (HMI) data for Guidelines for the Definition of Managed Object/Abstract Syntax Notation.1 (GDMO/ASN.1) Management Information Model.

Formal liaisons have been established between Study Group 10 Questions (e.g. Q.11/10, 12/10) and those of Study Group 4 (e.g. Q.2/4, 23/4).

5.3.2.11 Study Group 11 (Switching and signalling) - Chairman : Mr. S. Kano (J)

A regular three-week meeting of Study Group 11 was held in Geneva. 25 Rapporteurs' meetings also took place in different locations.

33 ITU-T Recommendations (11 revised and 22 new) were approved on the following areas/domains:

- B-ISDN-ATM/Interfaces, Protocols, Interworking or Signalling;
- ISDN/Signalling, Interfaces, Protocols or Switching;
- Signalling Networks/Interfaces, Protocols;
- Intelligent Networks (IN)/Network Capabilities
- TMN/Customer Network Management;

and the approval procedure for 37 more Recommendations (25 new and 12 revised) in the same areas/domains was initiated.

Study Group 11 has set up formal communication with the ATM Forum using the principles established by the TSAG.

New Questions were developed for submission to the WTSC-96.

5.3.2.12 Study Group 12 (End-to-end transmission performance of networks and terminals) - Chairman: Mr. P. Lorand (F).

Study Group 12 held four meetings in this Study Period, of which two in 1995. The new working methods adopted by the study group accelerated its work and made it possible to become more dynamic and market-oriented. Several new and revised G.100- and P-series Recommendations were approved on the following subjects:

- transmission characteristics of telephone band and wideband handset and handsfree telephones,
- subjective performance assessment of digital codecs,
- in-service, non-intrusive measurement devices,
- transmission quality,
- transmission impairments.

New Recommendations will be proposed for approval in 1996 on:

- transmission characteristics of telephony terminals,
- test signals for use in telephonometry,
- objective quality measurement of speech codecs,
- subjective video quality assessment,
- test methods for audiovisual communications.

The introduction of new technologies led to new study Questions on acoustic shock, cordless and mobile terminals and transmission performance considerations using ATM technology. New Recommendations in these areas are expected in 1996.

5.3.2.13 Study Group 13 (General network aspects) - Chairman: Mr. B.W. Moore (G)

Study Group 13 and its working parties held one meeting. Working Party 2/13 (B-ISDN aspects) held a second meeting and several Rapporteur meetings also took place in different locations.

Some 15 new and revised Recommendations have been approved dealing with B-ISDN implementation, interworking, quality of service and network performance/quality of service.

Study Group 13 has initiated the studies of the standards principles and standards framework for the Global Information Infrastructure (GII) and has reviewed the activity of the JCG on B-ISDN and of the ICG on satellite matters.

The Intersector Coordination Group on Satellite Matters met once, further enhancing the coordination of telecommunication studies over satellites in the two Sectors.

5.3.2.14 Study Group 14 (Modems and transmission techniques for data, telegraph and telematic services) - Chairman: Mr. K. Kern (D)

Study Group 14 distributes its studies in two working parties :

- Working Party 1 (DCEs and terminal adaptors),
- Working Party 2 (Telegraph/data muldexes and transmission equipment).

In 1995, Study Group 14 and its working parties held a 7-day meeting in April. Further, Working Party 1 held a one-week meeting in October in Munich. Rapporteur groups of Working Party 1 held several meetings in different places.

Following the decision at the April Study Group 14 meeting, 5 new Recommendations were put to vote under Resolution 1.8 procedure and approved on 29 August: V.12 on electrical characteristics of interchange circuits for 52 Mbit/s, V.25ter on Serial asynchronous automatic dialling and control, V.56bis on network transmission model for evaluating modem performance, V.130 on ISDN terminal adaptor framework, and R.106 on muldex unit for telegraph and low speed data transmission using bit interleaving.

Following the discussion at the April Study Group 14 meeting, and rectified at Working Party 1 Munich meeting, 9 new and 1 revised Recommendations will be proposed for the Resolution 1.8 approval at the next Study Group 14 meeting in 1996. The topics addressed in those Recommendations include simultaneous and/or alternate voice and data transmission over modems for both analogue and digital voice transmission. Studies started on the possibility of modems with rate higher than V.34 (28 800bit/s).

**5.3.2.15 Study Group 15 (Transmission systems and equipment) -
Chairman : Mr. P.A. Probst (SUI)**

Study Group 15 met twice and several Rapporteur meetings also took place in different locations.

New Recommendations have been approved in the areas of transport network (bit rates, frame structure for the synchronous digital hierarchy, network management etc.), audio-visual systems (protocols and coding for visual telephony) and ATM equipment.

Thanks to the possibility of digital signal processing, new coding algorithms for speech and video have been developed and are now described in several Recommendations.

A set of standards are now available for low bit rate multimedia communication over the general switched telephone network.

The JCG on AVMMS met once ensuring the necessary coordination of audiovisual and multimedia studies.

5.3.2.16 Telecommunication Standardization Advisory Group (TSAG)

The Telecommunication Standardization Advisory Group (TSAG), was widely recognized for its importance and it confirmed the continuation of its activities in accordance with Resolution 17 of the Plenipotentiary Conference, Kyoto, 1994. In 1995, TSAG held two meetings in order to advise on the policy and strategy of ITU-T activities.

Facing the evolution and development of telecommunications, the main concern was focused on the method of tackling the subjects of Global Information Infrastructure (GII), Internetworking, Audiovisual, Multimedia etc., within the conventional structure of ITU-T. The idea to create task forces or project teams was proposed and is under discussion. Further development of the work plans for the 15 ITU-T Study Groups was carried out bearing in mind the limits as set by the Sector's budget.

Another significant issue was the relation with other standard-setting bodies such as forums and consortia. The meeting fixed the general conditions of contact. Several study groups have already begun the exchange of information between ITU-T and such bodies through the Study Group Chairmen.

The refinement of tasks between ITU-T and ITU-R, as instructed by Resolution 16 of the Plenipotentiary Conference, Kyoto 1994, was discussed in the TSAG/RAG Joint Working Party on Refinement chaired by Mr. Boe (Norway) which was established specifically for this purpose.

5.3.3 Relations and Cooperation

Standard-setting activity is based, by its nature, on the agreement of all the related parties in our society and industry. That is the reason why relations and cooperation with other concerned bodies are so important to ITU-T.

Internal coordination and arrangements within ITU-T are secured by liaisons among study groups, by the Telecommunication Standardization Advisory Group (TSAG) meeting, by the meetings of the ITU-T Study Group Chairmen as well as by the Joint Coordination Groups (JCGs). For coordination between ITU-T and ITU-R, two Intersector Coordination Groups (ICGs) are operating. Concerning contacts with ISO/IEC, work is continued in a very harmonious manner.

The Global Standards Collaboration meeting composed of ITU-T and regional and national standard-setting bodies was held in June 1995 in Ottawa, Canada. This meeting confirmed the joint work among the members and requested ITU-T to take a lead on Global Information Infrastructure (GII).

5.3.4 Telecommunication Standardization Bureau (TSB)

The Telecommunication Standardization Bureau (TSB) is the secretariat of ITU-T. In terms of staff it is the smallest Bureau in the Union and provides all the necessary logistics and services for the smooth running of the meetings and conferences of the ITU-T Sector as well as the editorial work for the publications of the Sector, in particular its Recommendations. The administrative and technical support is provided not only during the meetings and conferences. On a daily basis, the Bureau is in charge of providing information, response to enquiries, reference of products, terminology, data collection etc.

The Bureau is also assuming the task of allocating and administering the access codes to telex, telephone and data networks ("country codes") which are a limited, precious resource, under the guidelines provided by the relevant Recommendations and Resolution 20. In this respect, the Operational Bulletin is a good means of dissemination of information regarding worldwide telecommunication services.

A particular effort has been made by TSB to promote Electronic Document Handling (EDH) through its EDH Section. The work of this Section focused on:

- Electronic submission of documents

The EDH section serves as the focal point in TSB for the electronic submission of documents and handles the electronic submissions in order to make available electronic files (in the file format used in ITU) to the Counsellors in charge of the Study Groups. In order to facilitate and accelerate the process of publication of ITU-T Study Group documents and ITU-T Recommendations, participants in the work of ITU-T have been invited to systematically submit their documents electronically. In 1995, 920 documents were received electronically and handled. Taking advantage of the new capabilities available in ITU, submission by FTP (File Transfer Protocol) (using FTP 'drop boxes') was introduced in addition to the already existing submission by e-mail. The EDH section provided information and support to ITU-T Study Group participants wishing to send in their documents electronically.

- Management of the electronic database containing information and documents relating to the activities of ITU-T and ITU-T Recommendations

TSB Circulars and Collective letters have been made available in the database for retrieval. The schedule of ITU-T meetings and various information documents concerning the activities of the Study Groups were kept updated.

In view of the implementation of the subscription service named 'ITU-T Recommendations Online' (as of July 1995), efforts concentrated on the completion of the database, as far as possible. Approximately 7,500 files corresponding to the various languages and formats of more than 1,100 Recommendations (either 'Blue Book' Recommendations or new and revised Recommendations) were handled and introduced in the database, since June 1995; the database now stores more than 2100 Recommendations and Supplements.

◦ Support to Study Groups on EDH matters and use of EDH tools

The EDH section provided information and advice to the Study Group EDH Rapporteurs on EDH matters. Among the EDH tools available in ITU, appropriate tools for the correspondence work of the Study Groups were identified ('informal FTP areas', e-mail mailing lists, Bulletin Boards) and made available to several Study Groups. Appropriate support was also provided to users.

5.3.5 Members of the Sector

One of the characteristics of ITU-T is the overwhelming presence of non-governmental entities. In fact, non-governmental members greatly contribute to a significant part of the activities of the Sector.

In 1995, the membership of the Sector (apart from Administrations which are members of right) consisted of 105 operating agencies, 148 scientific or industrial organizations, 2 other entities dealing with telecommunication matters, 23 regional and international organizations, 11 regional telecommunications organizations, 4 intergovernmental organizations operating satellites systems.

During the year 1995, the Sector received 36 new members of which 14 recognized operating agencies, 19 scientific or industrial organizations, 1 entity dealing with telecommunication matters and 2 international organizations.

The Bureau is making the utmost effort to attract more members in order to enlarge and improve the quality of its products and in order to strengthen the financial basis of ITU-T.

5.3.6 1995 budget

In 1995, the ITU-T budget amounted to 19 162 000 Swiss francs and the budget breakdown was:

- 11 333 000 Swiss francs for the Study Group meetings; and
- 7 829 000 Swiss francs for the Bureau and salaries.

As far as productivity is concerned, it should be noted that ITU-T alone accounts for 41% of the ITU's document output, while employing only 7% of the staff and receiving only 12% of the budget of the Union (see Figures 1, 2 and 3).

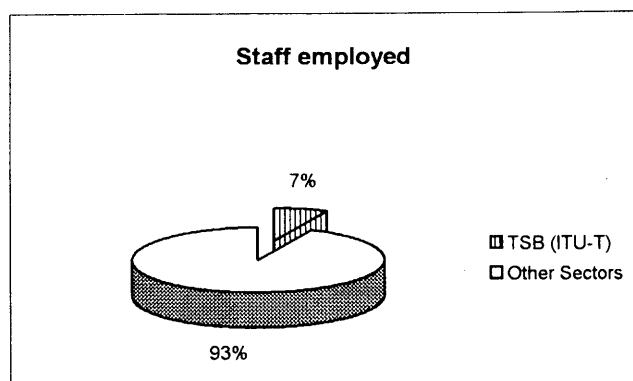


Figure 1

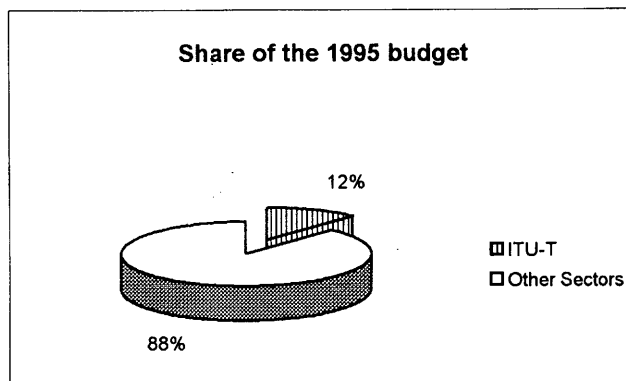


Figure 2

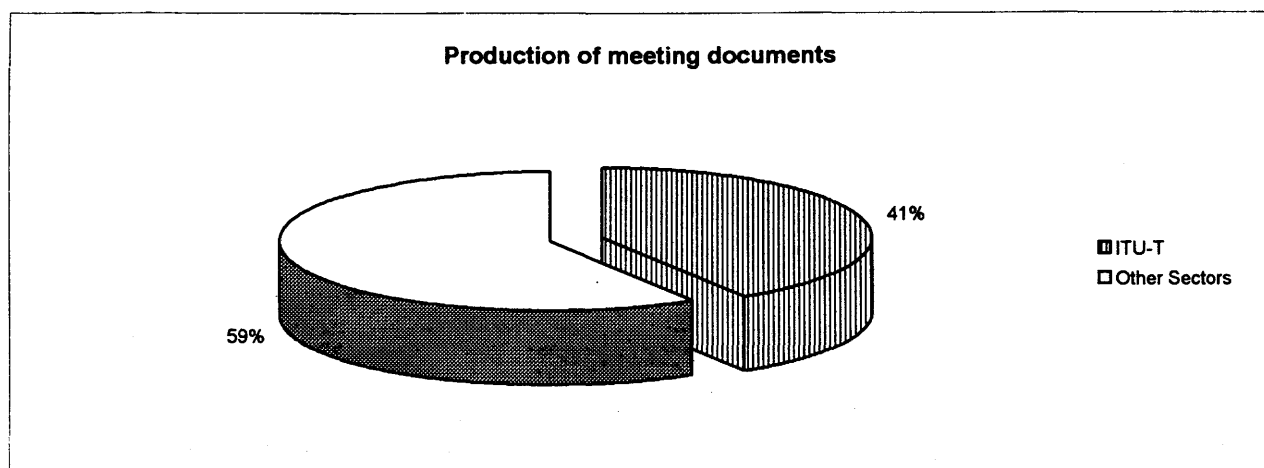


Figure 3

As regards budgeted revenues, ITU-T's performance is likewise noteworthy:

- with regard to sales of publications, (mainly Recommendations), ITU-T has obtained good results, which represent 46% of total ITU sales indicating that the Sector has responded effectively to market and industry requirements (see Figure 4).

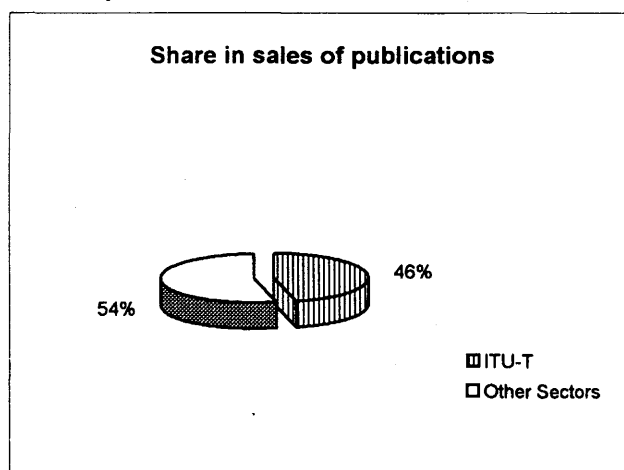


Figure 4

- assessing the financial contributions, it turns out that ITU-T's budget in 1995 was covered by more than 50% by the contributions of its "m"-members (which contribute to the ITU as a whole around 12% only), (see Figure 5).

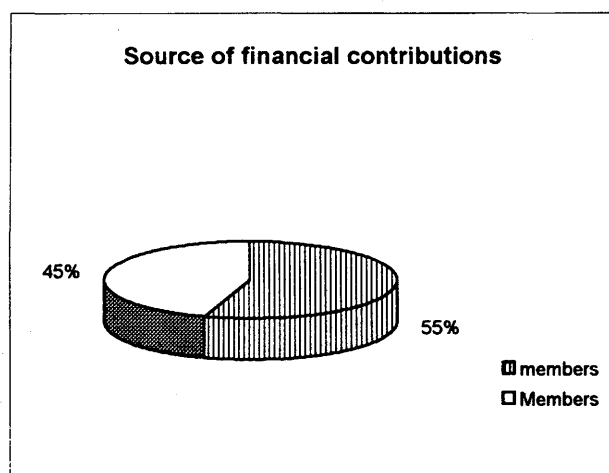


Figure 5

TABLE 1
List of meetings held in 1995

Date	Place	Meeting
23 - 27 January	Geneva	TSAG (Telecommunication Standardization Advisory Group) and its working parties
24 January (PM)	Geneva	Joint meeting TSAG (Telecommunication Standardization Advisory Group) and RAG (Radiocommunication Advisory Group)
30 January - 3 February	Geneva	Study Group 5 (Protection against electromagnetic environment effects) and its working parties
1 - 3 February	Geneva	Working Party 1/9 (Television-programme transmission)
2 February (PM)	San Francisco	Working Party 3/11 (Common protocols and networking)
6 - 17 February	Geneva	Study Group 15 (Transmission systems and equipment) and its working parties
28 February (PM) - 3 March	Geneva	TEUREM Group (Tariff Group for Europe and the Mediterranean Basin)
6 - 10 March	Geneva	Study Group 6 (Outside plant) and its working parties
14 - 23 March	Geneva	Study Group 8 (Terminals for telematic services) and its working parties
27 March - 7 April	Geneva	Study Group 4 (Network maintenance) and its working parties
3 - 7 April	Washington	Working Party 3/2 (Traffic engineering)
19 - 27 April	Geneva	Study Group 14 (Modems and transmission techniques for data, telegraph and telematic services) and its working parties
20 - 26 April	Tokyo	Working Party 1/2 (Numbering, routing)
24 April - 12 May	Geneva	Study Group 11 (Switching and signalling) and its working parties
16 - 26 May	Geneva	Study Group 1 (Service definition) and its working parties
5 - 8 June	Geneva	Study Group 9 (Television and sound transmission) and its working parties
12 - 23 June	Geneva	Study Group 3 (Tariff and accounting principles) and its working parties
21 - 23 June	Geneva	JCG TMN (Joint coordination group for telecommunication management network)

26 June - 7 July	Geneva	Study Group 7 (Data networks and open system communications) and its working parties
3 - 5 July	Geneva	JCG AVMMS (Joint coordination group for audiovisual/multimedia services)
10 - 21 July	Geneva	Study Group 13 (General network aspects) and its working parties
15 - 17 August	Kuala Lumpur	TAS Group (Tariff Group for Asia and Oceania)
4 - 15 September	Geneva	Study Group 12 (End-to-end transmission performance of networks and terminals) and its working parties, and SQEG (Speech Quality Expert Group)
6 - 14 September	Geneva	Study Group 10 (Languages for telecommunication applications)
12 (PM)- 14 September	Geneva	Meeting of the ITU-T study group Chairmen
15 & 18 September	Geneva	TSAG/RAG Joint Working Party on Refinement of the Radiocommunication Sector and Telecommunication Standardization Sector
19 - 22 septembre	Geneva	TSAG (Telecommunication Standardization Advisory Group) and its working parties
19 - 29 September	Geneva	Study Group 2 (Network operation) and its working parties
25 - 27 September	Geneva	ICG SAT (Intersector coordination group to deal with satellite matters)
9 - 13 October	Munich	Working Party 1/14 (DCEs and terminal adaptors)
20 October (PM)	Rome	Working Party 2/11 (Application protocols)
13 - 24 November	Geneva	Study Group 15 (Transmission systems and equipment) and its working parties
27 - 29 November	Geneva	Working Party 2/13 (B-ISDN Aspects)
30 November - 1 December	Geneva	Working Party 1/9 (Television-programme transmission)

In addition to the meetings listed, a number of meetings with limited participation were convened by Chairmen or Rapporteurs in 1995, either in or away from Geneva.

TABLE 2

Participation in ITU-T meetings in 1995

	Study Groups and their Working Parties															ICG	Regional Tariff Groups		TSAG	TSAG/RAG JWP Refinement
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	SAT	TAS	TEUREM		
Administrations	24	33	53	16	16	9	21	18	19	14	23	18	28	17	25	--	18	15	24	27
Recognized operating agencies	26	36	38	26	11	15	18	12	17	12	36	16	35	12	33	6	14	16	23	20
Scientific or industrial organizations	10	11	1	22	10	13	13	21	12	7	38	14	48	31	72	1	--	--	13	6
Other entities	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
International organizations	4	4	3	1	2	--	2	2	3	2	2	1	3	--	3	2	--	--	5	4
Participants	160	185	183	161	58	56	156	127	76	62	473	90	344	82	399	10	45	60	134	106

TABLE 3
Documents issued in 1995

		Study Groups and their Working Parties															ICG	Regional Tariff Groups		TSAG	TSAG/RAG JWP Refinement	TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	SAT	TAS	TEUREM			
Contributions	normal	44	24	31	28	22	30	149	76	12	4	22	24	25	1	86	--	3	--	4	--	585
	delayed	70	103	8	37	9	11	154	78	20	14	413	22	244	77	394	--	4	--	42	6	1706
Reports		22	26	10	7	3	1	17	11	6	1	46	13	15	11	26	1	1	1	9	1	228

5.4 Telecommunication Development Sector (ITU-D)

Telecommunication Development Bureau (BDT)

1995 was the first complete year of implementation of the Buenos Aires Action Plan (BAAP) and the first year during which the ITU-D Study Groups met. This entailed a global, well-planned approach to finding solutions to many problems with which the developing countries are faced today in the field of telecommunication development. A special overview of the implementation of the BAAP is provided in Document C96/50.

During the WTDC94 in Buenos Aires and subsequent sessions of the Council, it was assumed that the work on the Programmes of the BAAP would more or less replace the ad hoc assistance which had been provided by the BDT in previous years. However, it turned out that all through 1995 ad hoc assistance was indispensable and had to be given - albeit to a lesser extent than previously - in parallel with the scheduled BAAP implementation activities. This additional work put quite some pressure on the BDT staff.

5.4.1 Field Activities

The field activities of the BDT were conducted by the Field Operation Department with only 12 professionals and by 12 Field Offices with a total of 34 staff members, of which 20 are at professional level. The distribution of tasks, functions and responsibilities between Headquarters and Field Offices is under continuous adjustment especially in view of decisions taken by Development and Plenipotentiary Conferences. Similarly, the efficiency and effectiveness of the Regional Presence is under review by the ITU Council and Plenipotentiary Conferences to take into account the new environment. The Kyoto Plenipotentiary Conference in its Resolution 25 established a limited and balanced Group of Experts to undertake a detailed evaluation of the regional presence. A more detailed account of this subject is presented in Document C96/51.

In promoting ITU's role as an Executing Agency, the BDT concentrated its efforts on the funds-in-trust financing approach, in view of the drastic decrease in UNDP financial support. This decrease has been felt especially in the Africa region which mainly depends on UNDP financing. Despite these difficulties, 110 projects with a delivery of **US\$ 20.7 million** were implemented (delivery in 1994 was US\$ 17.1 million). The BDT succeeded in obtaining US\$ 500.000 from UNDP for Sectorial Support, which is twice the amount obtained during the last years. 30 sectorial studies were undertaken in all regions.

In fulfilling ITU's role as a Specialized Agency, the BDT provided direct assistance. 349 missions were undertaken by our specialists to provide technical assistance to countries; 89 seminars, workshops and regional and sub-regional meetings were organised on different subjects and 1453 fellowships were granted, with special attention to LDCs. Ad hoc assistance was given to countries with urgent requests. 42% of ad hoc assistance funds were used for AFR and 23% for ASP regions where most of the LDCs are situated (28 in AFR and 13 in ASP). Headquarters and Field Offices maintained close collaboration with all regional organizations dealing with telecommunication development.

5.4.1.1 Africa

a) *Development of regional telecommunication networks*

Compared with the previous year, the situation of the regional projects did not change significantly in 1995. However, under the regular BDT programme, certain activities for consolidating and improving telecommunication networks continue to be conducted in the region, such as technical network management; the finalization of studies for establishment of the Lomé maintenance centre; and the modernization of networks in West Africa.

A major regional submarine fibre-optic cable project entitled "Africa One" was the subject of a consultative meeting of African countries in Tunis on 20 and 21 November 1995. The consultative meeting adopted a recommendation for establishing a Coordination Committee, comprising PATU, RASCOM, AT&T, the ITU and five African countries representing the various sub-regions of Africa.

Also, one of the first initiatives of the WORLDTEL organization involving several countries of Eastern and Southern Africa (COMESA countries) was the subject of an important meeting in Nairobi from 13 to 16 November 1995. The aim of this meeting was to set up a financing and partnership mechanism to increase the total telephone capacity of the countries concerned by approximately 1 million lines through the application of a BOT scheme.

b) *Strengthening of technical and administrative telecommunication services*

At national level, the number of projects implemented continues to fall significantly, mainly due to the new priorities of the UNDP, which exclude the telecommunication sub-sector. Some national projects were executed using either funds held-in-trust or funds-in-trust. The following are examples of projects implemented:

- South Africa:** Sectoral telecommunication study.
- Angola:** Sectoral telecommunication study.
- Benin:** Assistance for the establishment of a management information system.
- Eritrea:** Sectoral telecommunication study.
- Mali:** Implementation of the telecommunication master plan; preparation of a sound and television broadcasting master plan.
- Uganda:** Sectoral telecommunication study. Pilot project for rural telecommunications.
- Chad:** Radio frequency management. Organization of local network maintenance.
- Zaire:** Preparation of telecommunication regulations; separation of the financial accounts of the postal and telecommunication sectors; assistance for the implementation of cellular radiocommunication systems; evaluation of training requirements.

c) *Development of human resources for telecommunications*

South Africa: Regional workshop on technology-based learning.

South Africa: Seminar on the development of rural telecommunications.

Burkina Faso: MANDEVTEL workshop.

Burkina Faso: Definition of a new staff training policy.

Cameroon: Regional HRM/HRD workshop.

Ghana: Regional HRM/HRD workshop.

Italy: Seminar on Signalling System No. 7

Kenya: Seminar on technical network management.

Niger: Human resource and training development plan.

d) *Additional information on activities in the Africa region*

At the end of 1995, the staff of the region's field offices comprised 7 professionals and 5 assistants/secretaries. During this period 21 projects were implemented and field staff identified 5 new projects, including one sub-regional project. There were 489 fellowships awarded, representing 34% of the total, to enable senior managers and technicians of the region to participate in the various seminars, workshops and symposiums, of which there were 24 in 1995, and to pursue further training in regional and external training institutions.

5.4.1.2 Americas

a) *Development of regional telecommunication networks*

- America's Regional Telecommunication Development Conference (AM-RDC), Acapulco, Resolution 1, Development of a Regional Mechanism for Telecommunications Policy: the Blue Book on Telecommunication Policies was revised.
- Resolution 2, Development of Rural Telecommunications: pilot projects were prepared.
- Resolution 3, Telecommunications Development Indicators: the BDT organized a regional meeting to discuss the importance of these indicators in analysing policy changes.
- Resolution 6, Strengthening of Regulatory Organs: ad hoc assistance was given and projects were implemented in Brazil, Dominican Republic, Ecuador, Guatemala, Peru and various other countries.
- Resolution 10, Human Resources Development: please see point (c) below.

b) *Strengthening of national technical and administrative telecommunication services*

The main projects undertaken, mostly financed by trust funds, were as follows:

Andean Countries: Telecommunications Andean System.

Bahamas: Transfer of PLANITU.

Belire: Transfer of PLANITU.

Brazil: Research and development for the design of telecommunication equipment.
Modernization of the Brazilian telecommunication system.

CANA (Caribbean News Agency Ltd.): Establishment of a CANA Satellite Regional News Network.

Chile: Valdivia network design with PLANITU.

Colombia: Occupational Analysis; restructuring of Telecom; consulting for "Empresas Publicas de Medellin": Data Networks, Added Value, etc.; Implementation of the advanced training program under ITEC/Telecom; PLANITU software transfer to ETB; Technical strengthening of ETB: SDH, Network Planning and Projection.

Costa Rica: Modernization of networks and introduction of new telematic services;
Development of new platforms for PLANITU software (FUNDASOFT).

Dominican Republic: Regulatory aspects.

Ecuador: System for Monitoring the RF Spectrum.

El Salvador: Telecommunication National Plan; Support to the development of the national and international systems and their maintenance.

Guatemala: Creation of a Regulatory Body. Planning of a Cellular Radio.

Honduras: Technical and operational management of HONDUTEL. Support in Human Resources, Spectrum Management and Tariff structure. Regulatory Body and training of radiocommunication personnel. Establishment of the National Monitoring System.

Nicaragua: Tariff structure; Equipment acquisition; Human resources development;
Donation of reconstructed telecommunication equipment.

Panama: Tariff structures for the Telephone Service; Equipment for Radio Monitoring.

Paraguay: Telecommunication Integrated Quinquenal Plan.

Peru: Strengthening of Regulatory Body; Rural Telecom.

Suriname: Preparatory phase of Rural Telecommunications system.

Uruguay: Transfer of PLANITU.

c) *Development of human resources for telecommunications*

Emphasis has been placed on the delivery of high level training for top and middle managers of telecommunication organizations, aimed at developing the main new skills needed for the modernization of telecommunications management in the region. The main objective has been the development of a model for the transformation of telecommunication organizations to become competitive entities, responding to an increasing number of initiatives to promote such a change in most of the telecommunication organizations throughout the Americas Region. The regional task force that has been working in the mentioned fields has developed manuals and delivered seminars to high level decision-makers on subjects such as Customer Oriented Management, Total Quality Management and Organizational Engineering.

Special efforts have been carried out in order to promote the utilization of Information Technologies for distance training activities. Assistance was provided not only by organizing national/regional meetings and seminars, but mainly through the promotion of horizontal cooperation activities between telecommunication organizations themselves and other institutions related to telecommunications training and management.

Some activities totally or partially funded by voluntary contributions from organizations which are listed in brackets were the following:

- Regional Seminar on Telecommunication Management Networks, Brazil (CITEL (OAS) and TELEBRAS, Brazil).
- Regional Seminar on Competitive Transformation of Telecommunication Organizations, Costa Rica (TELEMIG, Brazil, CTC, Chile and ICE, Costa Rica).
- Regional Seminar on Competitive Transformation of Telecommunication Organizations, Argentina (TELEMIG, TELECOM, Colombia, ICE, and TELECOM-Argentina).
- Regional Workshop on the Use of Information Technologies in Telecommunications Training, Argentina (TELECOM-Argentina).
- Regional Workshop on the Impact of the Use of Information Technologies in the Human Resource Management Strategy, Argentina (TELECOM-Argentina).
- Regional Human Resource and Training Meeting, Chile (CTC).
- Regional Task Force for the development of manuals and courses/workshops to train top managers in telecommunication management subjects (ICE, CTC, TELECOM and TELEMIG).
- Working groups for the development of Technology Based Training products (ANTEL, Uruguay, ITEC, Colombia, ICE, and AHCJET).
- Pilot work on 'benchmarking' techniques, carried out in Chile (CTC, TELEMIG).

d) Additional Information on Activities

The BDT staff in the Americas Region consisted of 5 professionals and assistants/secretaries. They carried out 99 missions, prepared 11 new projects and supervised 26 projects, 90% of which received financing from national funds. 25 of the missions were financed by BDT to assist 11 countries and 3 regional organizations. 189 fellowships were granted to representatives from the countries of the region.

9 Regional Seminars/Meetings were organized in collaboration with local Administrations and/or regional organizations in Argentina (2), Chile, Costa Rica (2), Mexico, Suriname, Uruguay (2), in the fields of Rural Telecommunications, Telecommunication Policies and Strategies, Telecommunication Indicators, Human Resources Management & Development and use of the PLANITU Software.

8 missions were funded by countries requesting ad hoc assistance to Anguilla, Aruba (2), Brazil (2), Panama, Peru (2) in the fields of Monitoring & Interference, Informatic, Special Telecommunication for the Police Division, Training, etc.

5.4.1.3 Arab States

a) Development of Regional Telecommunication Networks

A project document on HRD was prepared for the regional project Modern Training in the Arab LDCs "TRAINTEL", resulting from AR-RDC/92. Activities of the project continued in 1995 financed on provisional basis from the ITU budget until proper financing is secured, as well as in the framework of Resolution No. 6 of AR-RDC/92.

b) Strengthening of National Telecommunication Services

The following projects were carried out in association with UNDP:

Djibouti: Telecommunication staff training

Libya: "Master Plan for Telecommunication Development (MPTD)".

Morocco: Assistance in the Development of a Master Plan and in Network Planning (PLANITU).

Palestine: Preparation of a sectorial study, Frequency Management, Training Workshop on Organization Development and preparation of a long-term ITU Technical Assistance.

Saudi Arabia: Advisory Services to Ministry of PTT.

Sudan: Master Plan.

Syria: Regional Database for Telecom Indicators' Maintenance and Update.

- Tunisia:** Assistance to the "Centre d'Etudes et de Recherches des Télécommunications";
Consultant in commercial management, marketing and tariffs;
Consultant in value-added non-telephone services;
Invoicing and accounting for products and revenues;
Consultant in structural reforms in relation to the project for the establishment of a telecommunication office (three missions);
Study for the implementation of a vocational training centre.
- Yemen:** Development of Radio & TV Broadcasting (Phase II).

c) *Development of Human Resources for Telecommunications*

120 Arab Experts attended the following Seminars/Workshops:

- Egypt:** Experts' Meeting of MIS for Training Centres in the Arab Region.
- Egypt:** Regional Workshop on "Human Resources Management".
- Egypt:** Second Meeting of OD & HRM/D Network of Arab States.
- Jordan:** Regional Workshop on "Telecommunication Policies and Regulations.
- Palestine:** Workshop on "Organizational Development" for Palestinian Ministry of Post and Communication.
- Syria:** Regional Workshop on "Satellite Earth Station Management" jointly with INTELSAT.
- Tunisia:** Regional Workshop on "CBT Distance Training".
- Yemen:** Regional Workshop on "Instructors' Training".

Other activities:

- Setting up of MODARABTEL/MIS in training centres in Egypt and Yemen;
- Updating the Directory of Telecommunication Training Centres in the Arab Region;
- Issuance of a Directory of Telecommunication Training Resources in the Arab Region;
- Issuance of a special Glossary for Arabization of Training Terms;
- Arabization of 4 sets of material of ITU training workshops (with the cooperation of the Telecommunication Administrations of Egypt, Jordan, Syria and Tunisia).

d) *Other activities of the Arab Region*

The BDT staff in the Arab States Region consisted of 4 professionals and secretaries. They carried out 34 missions, and supervised 7 projects, of which 2 were financed from Funds-in-Trust. 11 of the missions were financed by the BDT to assist 5 countries. 105 fellowships were granted to Arab Nations - 36 of which for Arab LDCs.

In addition to the above-mentioned activities, the following was carried out:

- A meeting about Telecommunications Policies and Strategies (Arab Book);
- Computer-Aided Network Planning and Improvement of Maintenance;
- 5 Sectorial Studies were conducted in Djibouti, Lebanon, Morocco, Palestine, and Tunisia.

5.4.1.4 Asia and the Pacific

a) *Development of regional telecommunication networks*

The main projects undertaken were regional or sub-regional ones:

- Telecommunications Computer Software Training and Development
- A Programme for Economic Reform through Enhanced Transport and Communications Services, which included a Sub-programme for Telecommunications Activities of which major components were legislative and regulatory assistance, planning, and human resource development.
- Telecommunication Development and Training in the South Pacific, under which the BDT assisted in management training and cellular business analysis.

b) *Strengthening of national technical and administrative telecommunication services*

The main projects and activities undertaken, were as follows:

<i>Bangladesh:</i>	Assistance in outside plant, packet switching, regulatory matters and tariffs.
<i>Bhutan:</i>	Assistance in the implementation of the Telecommunication Development Plan.
<i>Cambodia:</i>	Preparation of Telecommunication Development Plan, advisory services.
<i>China:</i>	Modernization of telecommunications in China (comprising 6 projects).
<i>India:</i>	Upgrading of All India Radio Sound Archives and in Quality control.
<i>Indonesia:</i>	Support in computerized network planning, type approval.

- Lao P.D.R.:** Updating of the telecommunication Development Plan.
- Mongolia:** Assistance in radio frequency regulation.
- Nepal:** Assistance in restructuring and regulations, customer services and maintenance.
- Pakistan:** Assistance in computerization.
- Papua New Guinea:** Assistance in costing and tariff models, regulation and sector policy.
- Solomon Islands:** Rural telecommunication feasibility study.
- Sri Lanka:** Developing national capacity in regulatory functions, computerized cable records.
- Tokelau:** Assistance in setting up a telecommunications network.
- Viet Nam:** A proposal for financial and investment modelling.

The implementation of the resolutions of AS-RDC/93 was pursued, as follows:

- Res. 1 - Coordination Mechanism for Regional Cooperation:** A database of programmes was established. A coordinating mechanism between Cambodia, Lao P.D.R. and Viet Nam on regulatory matters has been established. A seminar on Telecommunication Sector Reform and frequency coordination was held for the SAARC countries.
- Res. 2 and 3 - Strategies and Policies for the Asia-Pacific Region; and Financing Strategies:** Assistance on economic reform through a regional project as well as from BDT resources.
- Res. 4 - Access to All Users:** The ITU supported several conferences and seminars.
- Res. 5 - Human Resources Management and Development:** Several workshops and other activities were arranged by the BDT.
- Res. 6 - Promotion of Standardization in the ASP Region:** Technical assistance missions in this field were arranged.
- Res. 7 - Implementation of a Study on Spectrum Pricing:** The results of the ITU study prepared in 1994 with assistance from the Government of Japan and Motorola, were disseminated.
- Res. 8 - Strengthening of Frequency Management, Planning and Coordination:** Supported by Motorola, two sub-regional seminars on frequency management were held.
- Res. 9 - Telecommunications Development Indicators:** BDT assistance continued.
- Res. 10 - Transfer of Technology:** A programme of meetings between carriers and manufacturers instituted by the ITU Regional Office was continued.
- Res. 11 - Technology Transfer in the Field of Broadcasting; and**
- Res. 12 - Special Assistance Programme for LDCs:** Expert missions and fellowships were provided to the LDCs.

Res. 13 - VHF/UHF Propagation Measurements: The BDT participated in a propagation study arranged by the ABU.

Res. 14 - Technical Assistance for Broadcasters: A joint ITU/ABU/FES³ Seminar as well as a Workshop on Digital Broadcasting Technology were held.

c) *Development of human resources for telecommunications*

India: Assistance to the training institute for new technologies in broadcasting.

Indonesia: Assistance to improve training facilities with an emphasis on management training.

Lao P.D.R.: Fellowships to EPTL staff to attend training programmes.

Region and sub-region: Various training seminars and workshops.

d) *Additional information on activities in the Asia and Pacific Region*

At the end of 1995, the staff in the region consisted of 5 professionals, 2 Associate Experts funded by Sweden and Denmark and secretaries. The staff carried out 82 missions, supervised 21 projects and identified 5 new projects for which funding is sought. 2 project proposals were approved in 1995. 454 fellowships were granted mainly to LDCs.

20 missions of the missions of consultants as well as 8 TCDC missions were financed by the BDT. In addition, 9 missions by consultants funded under sectorial support were carried out. The subject matters covered by the consultants included among others investment analysis, restructuring, regulatory support, type approval, network planning and customer services.

Nine regional or sub-regional seminars/meetings were organized in collaboration with Administrations and regional organizations under various Programmes of the BAAP. The main topics dealt with were regulatory issues including spectrum management, human resource development, business planning, sub-regional coordination, digital switching and broadcasting.

5.4.1.5 Europe and CIS

The ITU has no Regional Offices in the Region and all issues were dealt with by Headquarters, assisted by a consultant funded by Germany. The whole region is undergoing a massive reconstruction of the networks and at the same time is commercializing the organizations and liberalizing the market. The countries have established joint ventures and have proceeded in selecting strategic partners. The ITU has an important role in regulatory matters and frequency management, as well as in human resource management and planning.

a) *Development of regional telecommunication networks*

Greece: 9th TET Management Board Meeting.

³ Friedrich-Ebert-Stiftung, Germany

- Slovakia:** Regional Seminar on Management of SDH Networks.
- Sweden:** Efficient Telecommunications Management Course-ETMAN for Central and Eastern European countries.
- Ukraine:** Workshop on Licensing of Telecommunications Operators in the Newly Independent States.
- Uzbekistan:** Regional Workshop on Computer-Aided Network Planning (PLANITU).
- Uzbekistan:** Subregional TMN Seminar.

b) *Strengthening of national technical and administrative telecommunication services*

- Czech Republic:** Assistance in Economic Management and HRD in Telecommunications.
- Malta:** Assistance for new international exchange in Signalling System No. 7. Assistance in setting up a regulatory body.
- Moldova:** Assistance to the PTT Ministry in the GSM tender process.
- Slovakia:** Assistance in Economic Management of Telecommunications.
- Russia:** TMN Seminar for improvement of network maintenance.
- Uzbekistan:** Providing an Adviser to on modernization of the telecom network.

c) *Development of human resources for the telecommunications*

- Regional:** Seminar on "Human Resources Management and Development for East European Countries and CIS" (Bulgaria);
Workshop on "Modern Organizational Development Techniques" (Russia).

d) *Additional information on activities in Europe and CIS Region*

ITU staff carried out 6 missions and supervised 11 projects. 169 fellowships for ITU-sponsored activities were granted. 12 missions were undertaken by consultants.

5.4.1.6 Human Resources Management and Development

The staff in HRD consisted of 4 professionals at Headquarters and 4 in the field. However, the HRD Regional Officer in Americas Region dedicated only 50% of his time to HRD activities because of his administrative functions in the Regional Office; on the other hand, the Area Representative in Jakarta spent about 40% of his time attending HRD activities.

To be able to cope successfully with an increased workload, the "distance-assistance" approach was applied very widely. In its efforts to work as directed by the Kyoto-PP and the various Development Conferences, HRD:

- a) worked to obtain additional resources to those of the ITU regular budget;
- b) carried out the following:

- 1 global seminar (Geneva)
- Regional Human Resource and Training Meetings and Conferences in all five regions;
- 21 Regional Workshops
- 5 new High Level Management Workshops for the inter-regional project *"Management Development for Telecommunications" (MANDEVTEL)*:
 - * Competitive Transformation of Telecom Operators;
 - * Tariff structures, and accounting systems for Telecom;
 - * Telecom Operators Strategies and Modern Management;
 - * Structuring the Telecom Sector;
 - * Organizational Development and Restructuring in Eastern Europe.

This activity was supported by AICEP (association of Portuguese-speaking telecom organizations), Brazil, Chile, Colombia, Costa Rica, the Swiss PTT and the University of Zilina (Slovak Republic). A course was provided by AT&T and based on the use of the latest multimedia technologies. INMARSAT, Mindware and Cognitive Training Associates, offered their training material and services via the VTC network. Other support came from AHCIET in Latin America, EPOS International and Forum in ASP.

- 26 missions;
- c) negotiated 7 special training agreements, which allowed the BDT to organize training for five fellows for the normal price of an individual fellowship. Agreements exist with:
- AICEP-Portugal;
 - Cable and Wireless-UK;
 - INTELSAT;
 - PTT-Suisse
 - Siemens (rural telephony);
 - Swedtel Academy-Sweden;
 - TEMIC-Canada;
- d) provided information on training needs and available training opportunities. Training needs are studied by the HRD Regional Officers and the Study Group 2.

5.4.2 Headquarter-based activities

5.4.2.1 Study Groups (STG) & Development Conferences (TDC)

STUDY GROUPS

The Meetings of Study Groups 1 and 2 took place in Geneva and set up their organization structure by creating Working Parties and allocating the questions. The working methods and work programmes for the study period (1995-1998) were then discussed and prepared.

Overview of Study Groups Meetings

Participants	SG 1 6-16.03.95	SG 2 1-11.05.95	Working Parties SG 1 27-30.11.95	Working Parties SG 2 4-7.12.95
Total number	150	200	98	118
Countries	55	56	45	53
of which LDCs	20	27	20	25
Distribution of countries				
Africa	16	19	17	21
Americas	3	5	4	6
Arab States	8	8	4	5
Asia and Pacific	12	13	7	9
Europe	16	11	13	12
small "m" members	27	41	21	29
International Organizations	10	8	5	10

Due to resource limitations, it is expected that much of the work will be done by correspondence or via ITU's on-line services such as TIES (Telecommunication Information Exchange Services).

Following Resolution No. 2 of WTDC/94 Study Group 1 deals with institutional, technical, commercial, economic and regulatory problems related to the global evolution of the telecommunication sector and their implications for developing countries. As a forum for the exchange of information via studies and analyses, Study Group 1 will help to establish guidelines and recommendations aimed at improving the development situation.

Study Group 2 has highlighted three key issues:

- No telecommunication network can be designed, installed and operated efficiently without properly trained staff at all levels. Human resources development and management require innovative approaches to meet the challenges of the rapidly changing environment.
- Careful consideration should be given to integrated rural development, drawing on the results of telecommunication pilot projects based on a partnership between the private and public sectors.
- Good coordination and cooperation with the Radiocommunication (ITU-R) and the Telecommunication Standardization (ITU-T) Sectors should be ensured for the whole study period and for all questions.

The Working Parties discussed the progress achieved so far and the workload distribution for the preparation of the reports or guidelines. The status reports per Question are presented in the Tables below:

Question	Status as at 31.12.1995	Comments
1/1 <i>Role of telecommunications in economic, social and cultural development</i>	Very few contributions were received. A Bibliography was prepared. A workshop on <i>Economic Quantification of the Impact of Telecommunication in Development</i> was held from 26 February-1 March 1996, in conjunction with ICTP Trieste. Several new Associate Rapporteurs were nominated in Nov. 1995 in order to spread the workload. The structure of the Final Report was discussed and approved after some modifications. Delegates from Bangladesh, Kenya, Mauritania, Maldives, Uganda and INMARSAT indicated their intention to prepare parts of the Report.	Progress is slow. There is a delay with the review and analysis of material relevant for the study. The outline for means of quantifying economic benefits has not yet been prepared.
2/1 <i>Telecommunication policies and their repercussions at the level of institutional, regulatory and operational aspects of services</i>	A list of volunteers for drafting the Final Report was established. Approx. 115 replies to a Sector Survey have been received so far. A good coordination was achieved between the study on Question 2/1 and BAAP Programme 1. It was decided that a training programme should start soon.	The study is progressing in line with the Work Programme.
3/1 <i>Impact of the introduction and utilization of new technologies on the commercial and regulatory environment of telecommunications</i>	The Outline of the Final Report was presented to the meeting in November 1995. A list of volunteers for the drafting and preparation of the Final Report was established.	The study is progressing in line with the Work Programme.
4/1 <i>Policies and ways for financing telecommunication infrastructures in developing countries</i>	A Rapporteurs' team of five was set up in order to draft the Final Report, and a timetable was established. The responses to the Sector Survey received from some 115 countries are being reviewed and analyzed. The responses to the Questionnaire show that developing countries require training for those in charge of finance and investment.	Due to the lack of contributions from banks and development agencies, there is a delay in the preparation of the preliminary report.
5/1 <i>Industrialization and transfer of technology</i>	The Work Programme was prepared. Only few contributions were received. The Rapporteur's report for the Nov. 1995 meeting was not prepared. To progress with this study, several new Associate Rapporteurs were nominated. Brazil and Kenya promised to contribute.	The study is not progressing very well.

Question	Status as at 31.12.95	Comments
1/2 <i>Special concern of developing countries in relation to the work of the Radiocommunication and Telecommunication Standardization Sectors</i>	Identification of questions of particular concern to developing countries which are under study in ITU-R, was done. A Questionnaire to ITU-D members will be sent to establish a list of priorities of questions/topics that require studies not to be undertaken by the other two Sectors.	The study is progressing very well.
2/2 <i>Preparation of handbooks for developing countries</i>	A Questionnaire was dispatched to members of ITU-D to identify the utility and priority of the GAS handbooks. To date 55 replies have been received. The preparation of the outline of the handbooks recommended by WTDC/94 is underway.	The study is progressing in line with the Work Programme.
3/2 <i>Planning, management, operation, and maintenance of telecommunication networks</i>	The work focused on issues arising from the convergence of information and telecom technologies and on those issues arising from the emergence of globally harmonized and interconnected networks that affect the network planning function within developing countries as well as on technical maintenance and management training.	The study is progressing in line with the Work Programme.
4/2 <i>Communications for rural and remote areas</i>	A draft Outline for the Final Report was discussed. Specific tasks were assigned to participants sharing specific interests and commitments. A list of volunteers to draft the Final Report was established.	Progress has been relatively limited so far.
5/2 <i>Human resources development and management</i>	A Questionnaire was distributed. Unfortunately, only few responses have been received so far.	Progress has been relatively limited so far.
6/2 <i>Impact of telecommunications in health-care and other social services</i>	Good contact was established with WHO. A Questionnaire on <i>Telemedicine</i> was sent to all ITU-D members and received a good response. A second draft of the <i>Telemedicine</i> handbook will be prepared before May 1996.	The study is progressing very well.
7/2 <i>Telecommunication support for the protection of the environment</i>	A Questionnaire was approved during the meeting in December 1995. The outline of the Final Report was approved.	The study is progressing in line with the Work Programme.
8/2 <i>Public service broadcasting infrastructure in developing countries</i>	A Circular Letter was drafted outlining the issues and requesting that contributions be submitted within a date limit of several months. A Questionnaire will be dispatched to members of ITU-D in February 1996.	Lack of contributions caused a delay in the implementation of the Work Programme.

5.4.2.2 Telecommunications Development Advisory Board

TDAB Activities in 1995

To satisfy the requirements of the Resolution No.9 WTDC (Buenos Aires) endorsed by the Plenipotentiary Conference of Kyoto in 1994, the new elected Director of the BDT, in consultation with the Secretary General of the ITU, proposed a new composition of the TDAB, which now includes members from 26 countries, representatives from 12 financial and development organizations as well as the Chairmen and Vice-Chairmen of the ITU-D Study Groups. The Telecommunication Development Advisory Board (TDAB), in its new composition, held its fourth meeting during 11-13 December 1995.

The TDAB elected its new Chairman and 5 Vice-Chairmen each dealing as rapporteur with the following areas:

- i. Preparation of WTDC/98.
- ii. Rural Telecommunications.
- iii. LDCs.
- iv. Technological developments (new technologies, new initiatives, global or inter-agency projects, such as telemedicine, tele-learning, interactive television, etc.).
- v. Partnership and Financing.
(Consultations are underway to appoint the Vice-Chairman).

The TDAB has also adopted its working methods, took note of some ITU and especially BDT activities, and examined the issues of strategic partnership and mobilization of resources as well as strategy for the application of interactive TV in developing countries.

5.4.2.3 Telecommunication Development Strategy of the BDT

Resolution 1 of the Kyoto PP (1994), on the Strategic Plan for the Union covering the period 1995-1999 describes the Development Sector's strategy for the same period. This strategy includes three main areas, namely: direct assistance, partnership and resource development and mobilization.

The budgetary allocation for ITU-D for 1995 aimed at ensuring the implementation of the following sections :

- Programme of Cooperation
- 12 BAAP Programmes
- Special Programme for LDCs

This structure was followed for the preparation of the detailed Programme of BDT activities for 1995. The Special Programme for LDCs was implemented through activities in the Programme of Cooperation and the 12 BAAP Programmes.

Efforts continued in order to computerize the preparation, updating and execution of the Programme. This rationalised the administrative work and also allowed the generation of reports for the ITU TIES, including information on meetings in which BDT is involved.

5.4.2.4 Resource Mobilization

Resource mobilization has, since its beginning, always been entrusted to a specific Unit, which was in charge of this activity on a full-time basis. During 1994 and 1995, it became increasingly clear that resource mobilization is such an immense task that one single Unit cannot, on its own, succeed in securing the necessary amount of additional support for the ITU's telecommunication development efforts. Resource mobilization is an ongoing activity, and one in which all Professionals of the BDT are involved, insofar as this is possible. Within this, the Unit has the responsibility for, among others, serving as a focal point for the Bureau's mobilization of financial and other resources, advising in financing investment strategies and modalities and promoting external relations and strategic partnership with the private sector and others.

Since, in particular, it is widely recognized that the far-reaching objectives of the BDT, and meeting the many specific needs of developing countries, cannot be achieved without a joint effort on the part of the whole international telecommunication community, and that the ordinary budget of the ITU will allow the BDT to implement only the core activities of the Buenos Aires Action Plan or serve only as catalytic funds, measures are being taken to ensure the enhanced participation of Development Sector members and other private-sector entities in the implementation. The identification of development partners, and the mobilization of resources required for its implementation, is an ongoing process in the framework of each BAAP programme.

Specific Vice-Presidencies were created by and within the Telecommunication Development Advisory Board (TDAB) during its December 1995 session. The Vice-President for Finance, will work in close coordination with the Resource and Mobilization Financing Unit and reflect, with the aim of providing advice to the Director, on partnership and financing issues.

The BDT's work in finance is being closely coordinated with all parties, including the "M" members, small "m"s, Study Group 1, Q4/1, the BAAP Programme 1 (Financing component) and the financing input to the Regional Development Conferences and all other meetings of the ITU/BDT, both for economic efficiency and for quality control.

Following recommendations made at the 3rd TDAB Meeting, the BDT organized two partnership meetings in 1995 to facilitate dialogue between the private sector and telecommunication organizations of developing countries. The first meeting was held in March and the other in May respectively. The meeting participants discussed BAAP programmes, assessed Partners' interest and possible contributions, on the basis of Programme Activities for 1995 and various project profiles distributed at the meeting.

A voluntary contributions database was developed and includes cash contributions, in-kind contributions and the provision of conference facilities. Donors and recipient countries are also listed. For a list of voluntary contributions received in 1995, please refer to paragraph 5.4.4.

5.4.2.5 Support services

a) *Expert Recruitment*

592 posts were processed, for which 471 candidates were evaluated and 368 recruited as experts. These figures show a 35% increase in recruitment due to ad hoc assistance missions and to the implementation of BAAP activities. However, the overall trend as for last year, is for many short urgent missions in very specific fields for which candidate-identification and appropriate timing are difficult to organize. This, combined with a very poor response to advertisement of the posts, has led to an increase in the use of the Roster. As a consequence of this new trend and in order to make some savings, the list of field vacancy notices will now be published only on an ad hoc basis.

Experts recruited in 1995

Region/Activity	1994	1995	% change from 1994
Africa	71	104	+ 46%
Americas	81	104	+ 28%
Asia/Pacific	83	89	+ 7%
Arab States	23	39	+ 69%
Europe & CIS	14	32	+ 128%
Total	272	368	+ 35%

b) *Equipment Procurement Service*

		1995	1994	%
Purchase Orders placed	Number	324	493	- 34
	Value in US\$	8,209,563	10,187,501	- 19
Contracts signed	Number	7	9	- 22
	Value in US\$	1,620,812	1,003,000	+ 62
Administrative Agreements reviewed		28	32	- 12
New subcontracts		13	9	+ 44
Implementation of subcontracts		19	14	+ 36

c) *Fellowships*

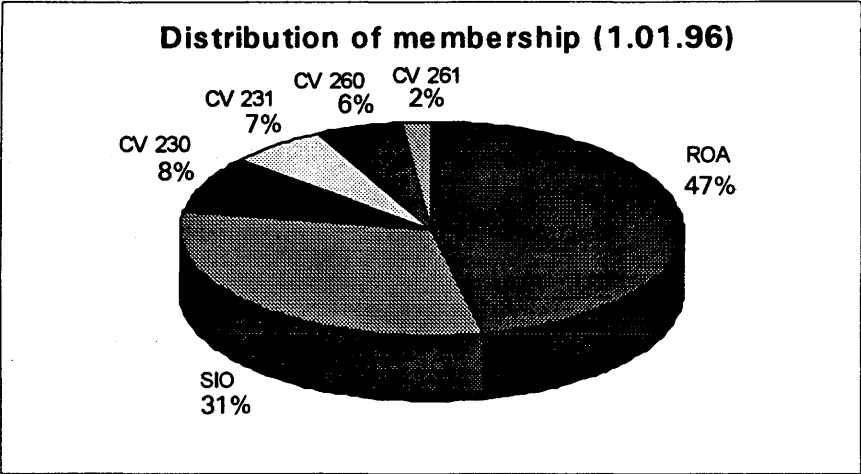
A total of 1,453 fellowships were awarded, comprising 372 individual programmes and 1,081 through 81 different group training activities. Of the total number of fellows, 34% were from the Africa Region, 31% from Asia Pacific, 14 % from Europe, 13% from the Americas and 8 % from the Arab States.

The major countries hosting individual fellowship programmes in 1995 were: Australia, Canada, France, Sweden, Thailand, the United Kingdom and the United States.

5.4.3 Membership in the Development Sector

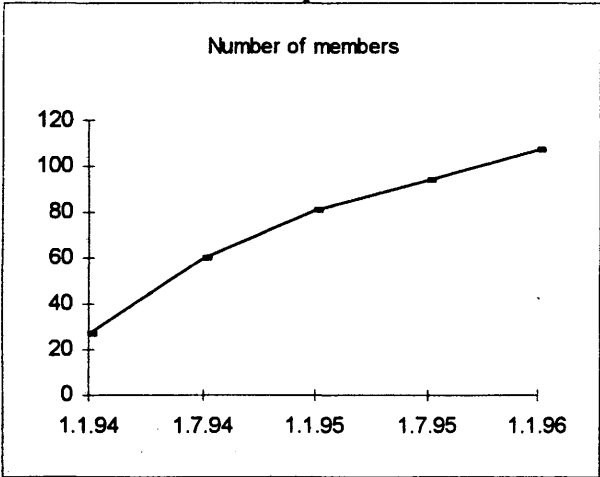
During 1995, 26 entities other than Administrations joined the ITU - Development Sector. On 31.12.1995 the total number of "m" members of the ITU-D was 107 with a total of 22 5/16 contributory units. Graph 1 shows the composition of ITU-D members.

Graph 1

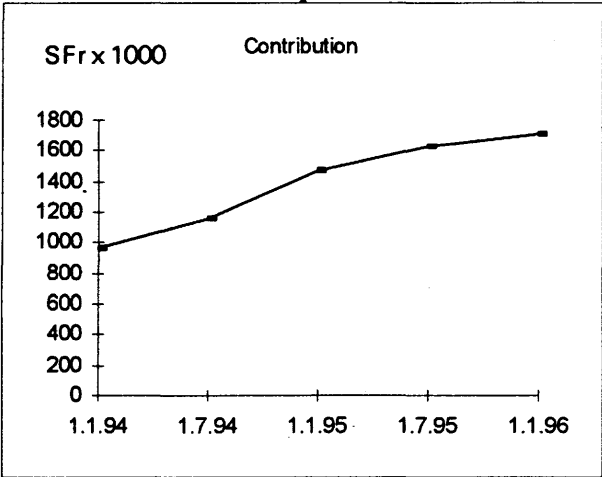


The evolution of the “m” membership and of the contributions since 1994 can be seen in Graphs 2 and 3. In this context, it should be noted that while the number of members is increasing the average level of the individual contribution is going down and that the corresponding income is not increasing at the same rate as the membership. This is due to the fact that out of 26 new members 11 chose 1/16 unit class and 6 organizations were exempt from financial contributions.

Graph 2



Graph 3



However, in evaluating these trends it is necessary to take into account the specific features of the Development Sector. The success of its mission largely depends on the partnership that should be created with its members.

5.4.4 Voluntary contributions received in 1995

Donor	Cash contribution	Event	Recipient
Alcatel Telespace	US\$ 20,000	SPACECOM	Global
AT&T	US\$ 70,000	AFRICA ONE Seminar	African countries
Bundespost P&T	US\$ 20,000	Rain Intensity Measurements	Tanzania, Uganda
China MP&T	US\$ 537	To be determined	Global
CIP (US Department of State)	US\$ 25,000	Interactive Television	To be determined
CIP (US Department of State)	US\$ 25,000	Interactive Broadcasting	To be determined
EUR. SPACE AGCY	US\$ 20,000	SPACECOM	Global
EUTELSAT	US\$ 4,910	SPACECOM	Global
FINNIDA	US\$ 12,739	Refurbished Equipment	Global
INMARSAT	US\$ 10,000	SPACECOM	Global
INTELSAT	US\$ 20,000	SPACECOM	Global
Korea Mobile T'Com	US\$ 5,000	SPACECOM	Global
Motorola	US\$ 25,000	Seminar on Mobile Cellular Radio Telephone Systems	All developing countries (especially LDCs)
Netherlands	US\$ 25,313	To be determined	Global
Nuova Telespazio	US\$ 5,000	SPACECOM	Global
Pacific Century Group	US\$ 20,000	SPACECOM	Global
PANAMSAT	US\$ 5,000	SPACECOM	Global
Telebras	US\$ 20,000	SPACECOM	Global
Tele Greenland	US\$ 20,000	SPACECOM	Global
U.S. Government	US\$ 20,000	SPACECOM	Global

Donor	In-kind contribution	Event	Recipient
AICEP (Portugal)	In-kind, to develop and produce two manuals/case studies (estimated value US\$ 150,000)	MANDEVTEL	All developing countries (especially LDCs)
AICEP (Portugal)	In-kind fellowships (estimated value SFr 150,000)	Management courses	Portuguese speaking countries of Africa
AT&T	Multimedia material for 6 countries (estimated value US\$ 10,000)	TELEPROJECT	India, Egypt, Singapore, Colombia, Philippines, Fiji
Bayly Communications	Lecturer in kind (estimated value US\$ 5,000)	Rural telecom seminar, Mexico	Latin American and Caribbean countries
Brazil	In-kind consultants (estimated value SFr 25,000)	MANDEVTEL	All developing countries (especially LDCs)

Donor	In-kind contribution	Event	Recipient
BELGACOM (Belgium)	Two consultants in kind (estimated value SFr 21,000)	Seminar on the development of maritime radiocommunication services	South Pacific island countries
Cable & Wireless	In-kind fellowships (estimated value 200,000 Pounds)	Technical and Management courses	Developing countries (except members of the Commonwealth)
Canadian Government	In-kind fellowships (estimated value US\$ 20,000)	Rural telecom seminar, Mexico City	Latin American and Caribbean countries
Canada (TEMIC)	In-kind fellowships (estimated value SFr 150,000)	Management courses	Global (any country in the world may benefit)
Chili	In-kind consultants (estimated value SFr 25,000)	MANDEVTEL	All developing countries (especially LDCs)
Colombia	In-kind consultants (estimated value SFr 25,000)	MANDEVTEL	All developing countries (especially LDCs)
Comstream	Lecturer in kind (estimated value US\$ 5,000)	Rural telecom seminar, Mexico	Latin American and Caribbean countries
Consultronix	Lecturer in kind (estimated value US\$ 5,000)	Rural telecom seminar, Mexico	Latin American and Caribbean countries
Daniels Electronics	Lecturer in kind (estimated value US\$ 5,000)	Rural telecom seminar, Mexico	Latin American and Caribbean countries
Deutsche Telekom (Germany)	Providing training with Deutsche Telekom (estimated value DM 6,500)	Seminar/Workshop on ALCATEL 12 switching system	Slovak Telekom
Deutsche Telekom (Germany)	Providing training with Deutsche Telekom (estimated value DM 6,500)	Seminar/Workshop on SDH technology	Slovak Telekom
Ericsson	A lecturer (estimated value US\$ 5,000)	TMN Seminar	Russia
Forum Secretariat	Administration & fellowships for participants + travel & per diem for ITU Officers (estimated value SFr 45,000)	Three workshops	South Pacific countries
Group Serveau	Lecturer in kind (estimated value US\$ 5000)	Rural telecom seminar, Mexico	Latin American and Caribbean countries

Donor	In-kind contribution	Event	Recipient
IBC, Singapore	Travel expenses for ITU staff (estimated value US\$ 4000)	Rural telecom seminar, Jakarta.	Asian countries
INTELSAT	In-kind fellowships (estimated value SFr 25,000)	Technical courses	Countries in ASP Region, Arab States Region and English speaking countries of Africa Region
INTELSAT	Lecturer in kind (estimated value US\$ 5,000)	Rural telecom seminar, Mexico	Latin American and Caribbean countries
International Maritime Organization (IMO)	Consultants in kind (estimated value SFr 21,000)	Seminar on the development of maritime radio-communication services	South Pacific island countries
Italy	One expert for 10 days (estimated value US\$ 6,000)	Global Telecommunication University	Global
Lenbrook Energy Systems	Lecturer in kind (estimated value US\$ 5,000)	Rural telecom seminar, Mexico	Latin American and Caribbean countries
Motorola	Lecturers, fellowships, etc (estimated value US\$ 70,000)	Seminar/Workshop on Subregional Spectrum Management in Vietnam	Brunei, Cambodia, Indonesia, Lao PDR, Malaysia, Philippines, Thailand, Vietnam
Motorola	Lecturers (estimated value US\$ 20,000)	Seminar/Workshop on Spectrum Management in Bangladesh	SAARC countries
MPR Teltech	Lecturer in kind (estimated value US\$ 5,000)	Rural telecom seminar, Mexico	Latin American and Caribbean countries
Norwegian Telecommunications Authority	In-kind consultants (estimated value SFr 21,000)	Seminar on the development of maritime radiocommunication services	South Pacific island countries
Novatel	Lecturer in kind (estimated value US\$ 5,000)	Rural telecom seminar, Mexico	Latin American and Caribbean countries
Oracle	Follow-up consultancy (estimated value US\$ 10,000)	Seminar on Network Management	Thailand
Presticom	Lecturer in kind (estimated value US\$ 5,000)	Rural telecom seminar, Mexico	Latin American and Caribbean countries
SIDA	Implementation of activities (estimated value SEK 150'000)	Feasibility study rural pilot project	Vietnam

Donor	In-kind contribution	Event	Recipient
SR Telecom	Lecturer in kind (estimated value US\$ 5,000)	Rural telecom seminar, Mexico	Latin American and Caribbean countries
Swedtel	In-kind fellowships (estimated value US\$ 250,000)	Management courses	East European countries
Telstra (Australia)	In-kind consultants (estimated value SFr 8,000)	Seminar on the development of maritime radiocommunication services	South Pacific island countries
TRT Philips	In-kind fellowships (estimated value SFr 60,000)	Technical courses	Global (any country in the world may benefit)
UNDP/South Pacific Forum Secretariat	Administration & fellowships for participants (estimated value SFr 32,000)	Seminar on the development of maritime radiocommunication services	South Pacific island countries
University of Zilina Slovak Republic	5 case studies (estimated value US\$ 50'000)	MANDEVTEL	Global

Donor	Conference facilities	Event	Recipient
ANTEL (Uruguay)	Conference facilities	ITU/CITEL Regional Policy meeting	Countries of the Americas Region
Bulgaria	Conference facilities	HRM/HRD Regional meeting for Europe	European countries
Bulgaria	Conference facilities	ETNO Workshop	CEE countries
Burkina Faso	Conference facilities	Regional Workshop on HRM/HRD	French-speaking African countries
Cameroon	Conference facilities	Seminar ITU/PTT Suisse	French-speaking African countries
Compañía de Telecomunicaciones de Chile (CTC)	Conference facilities	Americas Regional meeting on HRM/HRD and Training	Latin American countries
Canadian government	Conference facilities	Rural telecom seminar, Mexico City, May, 95	Latin American and Caribbean countries
Costa Rica	Conference facilities	Management Regional Workshop	Latin American countries
Côte d'Ivoire	Conference facilities	Mobile cellular radio seminar	French-speaking African countries
Egypt	Conference facilities	HRM/HRD Regional meeting	Arab States
Egypt	Conference facilities	Regional Workshop on HRM/HRD	Arab States
Fiji	Conference facilities	HRM for Training Managers Workshop	South-Pacific countries
Fiji	Conference facilities	HRM/HRD Workshop	South-Pacific countries

Donor	Conference facilities	Event	Recipient
Fiji	Conference facilities	Organizational Development Workshop	South-Pacific countries
Indonesia	Conference facilities	CBT/TBT	Asia-Pacific countries
Jordan	Conference facilities	Regional Workshop on "Telecommunication Policies and Regulations"	Arab States
Kenya P&T	Conference facilities	Course Development Workshop	English-speaking African countries
Kenya P&T	Conference facilities	BASMS Seminar	English-speaking African countries
Malaysia	Conference facilities	Regional Workshop "Job description, classification & redeployment"	Asia-Pacific countries
Mali	Conference facilities	Atelier-réflexion	French-speaking African countries
Mozambique	Conference facilities	Workshop on restructuring of the telecommunication sector	English-speaking African countries
Nepal	Conference facilities	High Level Management Workshop	Asia-Pacific countries
Office des Postes et Télécommunications de la République Gabonaise	Conference facilities	Atelier sur les services de radiocommunication pour le Golfe de Guinée	French-speaking African countries
Russia	Conference facilities	Management Regional Workshop	CEE and CIS countries
Senegal	Conference facilities	Regional Workshop on HRM/HRD	French, Spanish & Portuguese-speaking African countries
Slovakia	Conference facilities	Workshop on Distance Education Activities	Eastern Europe and CIS countries
Slovakia	Conference facilities	Regional TBT Workshop	Eastern Europe and CIS countries
South Africa	Conference facilities	14th HRM/HRD Regional meeting	African countries
South Africa	Conference facilities	ITU/TBT Workshop	English-speaking African countries
South Africa	Conference facilities	Regional HRM/HRD Workshop	English-speaking African countries

Donor	Conference facilities	Event	Recipient
South Pacific Forum Secretariat	Conference facilities	Seminar on the development of maritime radiocommunication services	South Pacific countries
St. Vincent	Conference facilities	ITU/CTU Policy meeting	Caribbean countries
Syria	Conference facilities	Arab Book meeting	Arab States
Telecom Argentina	Conference facilities	Regional TBT/Distance Learning Workshop	Latin American countries
Telecom Argentina	Conference facilities	Top Level Management Workshop	Latin American countries
Tunisia	Conference facilities	Consultative Meeting on Africa One	African countries
Tunisia	Conference facilities	Regional TBT Workshop	Arab States
Tunisia	Conference facilities	Preparatory meeting for the AF-RTDC	African countries
Uganda Posts & Telecommunications	Conference facilities	Lake Victoria Radiocommunications Workshop	English-speaking African countries
Ukraine	Conference facilities	OECD/ITU Licensing Seminar	Eastern European countries
Vietnam	Conference facilities	HRM/HRD Regional meeting	Asia-Pacific countries
Vietnam	Conference facilities	HRM Workshop	Asia-Pacific countries
Vietnam	Conference facilities	Organizational Development Workshop	Cambodia, Lao and Vietnam
Vietnam	Conference facilities	ITU Training Management Workshop	Cambodia, Lao and Vietnam
Yemen	Conference facilities	Instructor Training Regional Workshop	Arab States

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6. ADMINISTRATION OF THE UNION

6.1 Staff matters

6.1.1 The staffing table in the 1995 budget comprised 786 posts, 710 of them permanent. The following changes occurred during the year among staff with permanent or fixed-term contracts: 27 retirements, 5 resignations, 1 termination for reasons of health and 3 deaths. Three fixed-term contracts were not renewed. As on 31 December 1995, 33 officials were working part-time.

6.1.2 The following tables (Tables 1 to 4) show the staff situation as of 31 December 1995. Where applicable the figures for the preceding year are shown in parentheses for comparison purposes.

6.1.3 Short-term contracts (Table 2) have been established to ensure necessary reinforcement of staff during conferences and meetings, for temporary increase in urgent work, shift work or prolonged sick leave of essential staff.

6.1.4 The principle of geographical distribution applies to elected officials and staff in the senior counsellor and professional categories (excluding language staff). (The principle does not apply to posts in the General Service category.) The geographical distribution at the end of 1995 is shown in Table 4 and concerns staff employed by ITU except for language staff, technical assistance project personnel and short-term staff.

TABLE 1

**Distribution of staff between the General Secretariat and the Sectors of the Union
(excluding staff on short-term contracts and project personnel)**

General Secretariat/ Sector	Elected Officials	Number of contracts				Total
		Permanent		Fixed-term		
General Secretariat	2 (2)	353 (360)	66 (57)		421 (419)	
BR	1 (6)	122 (127)	15 (11)		138 (144)	
TSB	1 (1)	38 (42)	3 (2)		42 (45)	
BDT	1 (1)	25 (26)	75 (77)		101 (104)	
TOTAL	5 (10)	538 (555)	159 (147)		702 (712)	

(The figures for 1994 are shown in parentheses.)

TABLE 2

Staff on short-term contracts

	Number of contracts		Total number of working days	
Interpreters	909	(684)	4418	(4,579)
Engineers, engineer-editors	16	(4)	980	(144)
Programmer-analysts, Programmers	15	(6)	1,260	(1,073)
Translator/revisers, precis-writers	129	(101)	6,306	(4,500)
Administrative Officers	32	(7)	3,003	(846)
Secretaries, Computer clerks	257	(143)	21,204	(16,824)
Programming assistants	43	(25)	4,182	(4,104)
Text composition clerks	72	(21)	5,865	(3,701)
Typists, operators	328	(194)	16,290	(18,526)
Document/reproduction operators	124	(44)	6,852	(5,329)
Dispatching clerks and other staff	202	(151)	7,637	(6,080)
TOTAL	2,127	(1,380)	77,997	(65,706)

(The figures for 1994 are shown in parentheses in columns 2 and 4)

TABLE 3

**Distribution of staff according to grade
(excluding staff on short-term contracts and project personnel)**

Grade	General Secretariat		TSB		BR		BDT		Total	
Elected	2		1		1		1		5	
	Perm	FT	Perm	FT	Perm	FT	Perm	FT	Perm	FT
D.1	8	2	2	-	5	-	-	6	15	8
P.5	18	3	6	1	13	2	2	30	39	36
P.4	32	5	3	-	29	6	4	8	68	19
P.3	37	8	3	-	13	1	1	1	54	10
P.2	6	4	1	-	-	-	2	1	9	5
P.1	-	-	-	-	-	-	-	1	-	1
Total	101	22	15	1	60	9	9	47	185	79
P and above categories	125		17		70		57		269	
	Perm	FT	Perm	FT	Perm	FT	Perm	FT	Perm	FT
G.7	28	2	2	-	11	-	9	3	50	5
G.6	55	9	20	1	29	2	5	10	109	22
G.5	82	13	-	1	16	-	2	14	100	28
G.4	47	14	1	-	6	4	-	1	54	19
G.3	30	5	-	-	-	-	-	-	30	5
G.2	10	1	-	-	-	-	-	-	10	1
G.1	-	-	-	-	-	-	-	-	-	-
Total	252	44	23	2	62	6	16	28	353	80
G category	296		25		68		44		433	
Total all categories	353	68	38	4	122	16	25	76	538	164
TOTAL	421		42		138		101		702	

Perm. = permanent
FT = Fixed-Term

Note: The above table shows the grades of staff members, those receiving a special post allowance granted upon a recommendation by the Appointment and Promotion Board being shown in the grade for which they receive the allowance.

TABLE 4

Geographical distribution of staff on 31 December 1995 (excluding project personnel)

Country	Elect. Offic.	D.1	P.5	P.4	P.3	P.2	P.1	Total
Region A - America (32 countries)								
Argentina				1				1
Brazil		1	1 (-)	3 (4)	1			6
Canada	1	2	2	4 (3)	2			11 (10)
Chile						1		1
Colombia			1	1	1			3
Costa Rica			1 (2)					1 (2)
Ecuador			1					1
United States	- (1)	- (1)	5	8(10)	4 (2)			17 (19)
Jamaica			1					1
Mexico		- (1)						- (1)
Peru			1					1
Uruguay		1	2					3
Region B - Western Europe (33 countries)								
Germany	1	2	3	3	2			11
Austria		1		2 (1)	- (1)			3
Belgium			2 (1)	- (1)	1			3
Spain			1 (2)	2		1		4 (5)
Finland	1		2					3
France		1	4 (5)	8 (6)	6 (8)	3		22 (23)
Greece			- (1)	1 (-)				1
Ireland					1			1
Italy		3 (1)	1 (4)	1		1	1 (-*)	7
Norway			1		1			2
Netherlands		1				1 (-)		2 (1)
Portugal				2				2
United Kingdom	- (1)		3	1	4	2		10 (11)
Sweden			2	2	2			6
Switzerland			3	2	6	4		15
Turkey			1	1				2
Region C - Eastern Europe and Northern Asia (20 countries)								
Bulgaria			2 (1)	1 (2)				3
Hungary		1		2				3
The former Yugoslav Rep. of Macedonia			1					1
Poland				1	1 (-)	- (1)		2
Slovak Republic				1				1
Czech Republic				1				1
Russia	- (1)	1	3	4 (5)				8 (10)
Slovenia (Rep.)			1					1
Ukraine			1 (-)	1				2 (1)
Yugoslavia			1	1 (-)				2 (1)

Country	Elect. Offic.	D.1	P.5	P.4	P.3	P.2	P.1	Total
Region D - Africa (52 countries)								
Algeria	- (1)	2 (1)	1	2 (1)	1			6 (5)
Benin				1				1
Burkina Faso			2					2
Cameroon	- (1)	1 (-)			1			2
Côte d'Ivoire			1					1
Egypt					1			1
Ethiopia		1						1
Ghana					1			1
Guinea			1	1				2
Kenya	1 (-)			1				2 (1)
Mali				1				1
Morocco		1		1	2			4
Mauritius					3			3
Uganda			1 (-)	- (1)				1
Sierra Leone			1					1
Sudan			1					1
South Africa (Rep.)				1				1
Tunisia	1 (-)		1					2 (1)
Zimbabwe			- (1)					- (1)
Region E - Asia & Australasia (47 countries)								
Australia		1	2 (3)	2	2			7 (8)
China		1	1	1	1			4
Korea (Rep. of)				2				2 (3)
India			3 (2)	3 (4)	4 (3)			10 (9)
Indonesia	- (1)							- (1)
Iran (Islamic Rep. of)		1	1					2
Iraq				- (1)				- (1)
Japan	- (1)	1	2	1	1			5 (6)
Jordan			1					1
Pakistan					1			1
Singapore			1 (-)					1 (-)
Sri Lanka			1					1
Syrian Arab Republic			1		1 (-)			2 (1)
Viet Nam					1			1
TOTAL - 71 countries	5 (10)	23 (21)	69 (71)	71 (73)	52 (50)	13	1 (-)	234 (238)

* 1 post paid on funds-in-trust

(Wherever changes have taken place, the figure for 1994 appears in parentheses)

* * * * *

6.2 Financial matters

6.2.1 The financial year 1995 was governed by the Constitution and Convention of the International Telecommunication Union (Geneva, 1992) as amended in Kyoto 1994, as well as by the new Financial Regulations applicable as from 1 January 1995.

I. BUDGET OF THE UNION FOR 1995

6.2.2 The Council approved at its inaugural session in Kyoto, 1994 the 1995 Budget of the Union as shown in the table below (Resolution 1070). The table also gives the adjustments made during the year in accordance with Resolution 647 as well as the final Budgets.

	Budget for 1995 Res. 1070	Adjustments Res. 647	Final Budget 1995	Final Budget 1994
	Swiss francs			
Ordinary budget	154,119,000	- 602,289	153,516,711	150,043,400 *)
Publications budget	10,179,000	-	10,179,000	9,580,000

*) Ordinary budget + the Technical Cooperation Special Accounts budget for 1994

6.2.3 In Resolution 1070, the Council fixed the amount of the contributory unit for Members at 330,000 Swiss francs (319,200 for 1994) on the basis of the class of contribution chosen under No. 160 of the Constitution and 468 of the Convention (Geneva 1992), i.e. on the basis of 375 3/8 units in all. In the same Resolution, the Council fixed at 66,000 Swiss francs (63,840 for 1994) the annual value of the contributory unit for defraying the expenses of meetings of the Radiocommunication, the Telecommunication Standardization and the Telecommunication Development Sectors by recognized operating agencies, scientific or industrial organizations and non-exempt international organizations, in accordance with Nos. 479 and 480 of the Geneva Convention, i.e. at 1/5 of the contributory unit of Members.

II. INCOME AND EXPENDITURE FOR THE PERIOD ENDING 31 DECEMBER 1995

ORDINARY BUDGET

Income

6.2.4 The budgeted income for 1995 was 153,516,711.00 Swiss francs including a withdrawal of 9,600,000.00 Swiss francs from the Reserve Account according to Resolution 1070 as well as support cost income of 2,871,650.00 Swiss francs to the subsector related to the implementation of technical cooperation programmes and projects. The actual income amounts to 158,671,469.09 Swiss francs (148,612,290.88 in 1994) including 2,828,560.00 Swiss francs support cost income, a transfer of 602,289.00 Swiss francs to the Reserve Account according to Resolution 647 and a withdrawal of 292,049.95 Swiss francs from the Reserve for Debtors' Accounts to cover a write-off of two unrecoverable debts (Decisions 458 and 459 of the Council).

6.2.5 The number of contributory units chosen by the Members was 376 1/2 at the time of the approval of the budget. The budgeted income was 1 1/8 units lower following Resolution 1003. Thus, the number of contributory units taken as the basis for income stood at 375 3/8 and the budgeted income at 123,873,750.00 Swiss francs. The contributions actually posted to account and considered as income, amount to 125,028,750.00 Swiss francs (119,959,350.00 in 1994), due to increased contributions by two Members as well as contributions by two new Members not budgeted for.

6.2.6 The amount of the contributory unit for members of the Sectors was set at 66,000 Swiss francs and contributions were estimated at Swiss francs 6,072,000 for the Radiocommunication Sector (ITU-R), 10,560,000 for the Telecommunication Standardization Sector (ITU-T) and 1,122,000 for the Telecommunication Development Sector (ITU-D), giving a total of 17,754,000.00 Swiss francs. As a result of a net increase in the participation of entities compared with the Budget, total contributions posted to account amount respectively to Swiss francs 6,820,000.00 (ITU-R), 11,791,730.00 (ITU-T) and 1,598,437.50 (ITU-D), giving a total of 20,210,167.50 Swiss francs (18,184,757.50 in 1994).

6.2.7 Miscellaneous and unforeseen income was estimated at 19,600.00 Swiss francs. The actual income amounts to 1,261,230.64 Swiss francs (341,064.28 in 1994). This amount includes 530,997.05 Swiss francs for the proceeds from the sale of postage stamps and 323,923.80 Swiss francs for refund on insurance premiums.

Expenditure

6.2.8 The appropriations and expenditure in the 1995 Ordinary budget were the following:

- Swiss francs -

	Final Budget 1995	Actual expenditure	Unused appropriations	%
1. General Secretariat	65,061,610.00	63,571,856.40	1,489,753.60	2.3
2. Radiocommunication Sector	38,369,967.00	34,888,415.17	3,481,551.83	9.1
3. Telecommunication Standardization Sector	19,132,359.00	17,926,807.73	1,205,551.27	6.3
4. Telecommunication Development Sector	30,952,775.00	26,823,894.93	4,128,880.07	13.3
Total expenditure	153,516,711.00	143,210,973.83	10,305,737.17	6.7

PUBLICATIONS BUDGET

6.2.9 Expenditure and income relating to the production and sale of publications are shown in the Publications budget. At the end of the year, the excess of income over expenditure or shortfall is credited or debited, as the case may be, to the Publications Capital Account. The surplus of income over expenditure amounted to 30,726.18 Swiss francs (3,407,260.27 in 1994). In this connection the following change in the accounting policy should be noted. Following the application of Article 23 of the Financial Regulations the cost of a publication is charged to expenditure at purchase of material

or service concerned, and no more when the publication is sold and the value of the stock set at 1.00 Swiss francs. Consequently, the financial year 1995 constitutes a one time transitory period as all accrued expenditures for publications have been charged to the Publications Account. The corresponding income will be credited to the Account during the coming years as and when the publications in stock or in production are sold.

6.2.10 The value of stock of publications, 1,536,241.00 Swiss francs and paper for printing, 94,000.00 Swiss francs, on 31 December 1994 has been absorbed by the Publications Capital Account.

III. LIQUIDITY

Cash and term deposits

6.2.11 Due to timely payments by most of the Union's contributors, the liquidity remained satisfactory throughout the year although most contributors postponed their payments for 1996 to late December 1995 and afterwards. Nevertheless, 90,622,599.95 Swiss francs or 64.2% of the budgeted contributions for 1996 were received by the year end 1995 (114,675,451.10 or 79.3% in 1994) and no funds had to be sought from the Government of the Swiss Confederation during the year. It should be emphasized that the Union has no cash reserves other than the funds advanced by its Members and 94.7% of the contributions invoiced for 1995 were actually received by 31 December 1995, a situation similar to previous years.

Accounts receivable

6.2.12 The amounts owed to the Union by the Members of the Union for the financial year 1995 were 6,297,907.35 Swiss francs (6,169,089.20 in 1994). The Members' arrears for contributions amounted to 28,894,286.35 Swiss francs (24,089,824.55 in 1994). The amounts for contributions in the Special Arrears Accounts stood at 6,369,362.69 Swiss francs (6,405,409.82 in 1994).

6.2.13 The amounts owed to the Union by the members of the Sectors for the financial year 1995 were 1,421,595.55 Swiss francs (1,495,029.75 in 1994). The members' arrears for contributions amounted to 3,097,604.35 Swiss francs (2,919,585.45 in 1994).

6.2.14 The current receivables for the sale of publications amounted to 3,542,703.95 Swiss francs (6,316,322.25 in 1994). The amount of the current receivables may vary significantly from year to year as it is influenced largely by the publications programme and consequently also by the date of invoicing. The arrears on the sale of publications amounted to 2,104,560.80 Swiss francs (1,954,434.25 in 1994). The amounts for publications in the special arrears accounts stood at 102,027.85 Swiss francs (106,803.05 in 1994).

IV. RESERVE FOR DEBTORS' ACCOUNTS

6.2.15 In accordance with Article 29 of the Financial Regulations, the interest on arrears charged to the accounts of the Union's debtors are credited to this Reserve. Payments made for this purpose were 2,408,512.70 Swiss francs (2,226,315.40 in 1994).

6.2.16 The credit balance of the Reserve was 20,392,079.35 Swiss francs on 31 December 1995 (18,337,601.25 in 1994). The Reserve for Debtors' Accounts covers 39.4% of accounts receivable for contributions and publications.

V. CAPITAL

Reserve Account

6.2.17 The Reserve Account referred to in No. 485 of the Geneva Convention (1992) and Article 31 of the ITU Financial Regulations derives its assets mainly from unused appropriations canceled at the end of the year and from surplus amounts in the Interest Account. On 31 December 1995 the balance of the Reserve Account stood at 33,531,787.33 Swiss francs (22,286,489.08 in 1994).

Publications Capital Account

6.2.18 At the end of 1995 the surplus income of the account was 30,726.18 Swiss francs. After the absorption of the stock of unsold publications, the credit balance of the Publications Capital Account stood at 4,932,100.51 Swiss francs on 31 December 1995 (6,531,615.33 in 1994).

Stores, Reprography and Technical Services Capital Account

6.2.19 Following the application of the new Financial Regulations of the Union as from 1 January 1995, this Capital Account has been closed and the remaining balance of 85,722.60 Swiss francs after the elimination of the value of the stock has been credited to the 1995 Ordinary budget as miscellaneous income.

7. RELATIONS WITH THE UNITED NATIONS AND OTHER INTERNATIONAL ORGANIZATIONS

During the period under review, the ITU has continued to maintain and strengthen its relations with the United Nations system and other international organizations, in line with the ITU Strategic Plan which calls for increasing the Union's leverage with other international organizations in the field of telecommunications.

The Union has been working closely with the World Trade Organization (WTO). A Cooperation Agreement between the two institutions is being actively pursued. The ITU was granted observer status in the Negotiating Group for Basic Telecommunications (NGBT) and participated in the Negotiating Sessions in that capacity. For further detailed information, please refer to Document C96/40.

Within the framework of the Cooperation Agreement ITU/UNESCO, the two Organizations have continued to work closely on the International Programme for the Development of Communication (IPDC) and the programmes 10 and 12 of the Buenos Aires Action Plan.

In addition to the above, the Union participated in the following events :

- The Working Group on Emergency Telecommunication (WGET) thus heightening its presence in humanitarian areas pursuant to the WTDC Resolutions and Kyoto Resolution 36 to react to cases of emergency. It has also collaborated with the Department of Humanitarian Affairs (DHA) of the United Nations and participated in the Group entrusted with the task of drawing up a Convention on the provision of telecommunication resources for disaster mitigation and disaster relief.
- The Telecommunications Policy Workshop for the preparation of the United Nations Global Conference on Habitat II scheduled to take place in Istanbul in June 1996
- The United Nations inter-agency meeting under the aegis of the Special Coordinator in the Occupied Territories on assistance to the Palestinian people.
- A Telemedicine project with WHO which was demonstrated to the general public at the opening session of Telecom 95 and the ITU Stand in line with the Memorandum of Understanding signed between the two institutions.
- The ECOSOC Council which addressed, among others, the coordination of the policies and activities of the specialized agencies and other bodies of the United Nations system.
- The meetings of the subsidiary bodies of the Administrative Committee on Coordination (ACC) including the Consultative Committee on Programme and Operational Questions (CCPOQ), the Consultative Committee on Administrative Questions (CCAQ) and the Consultative Committee on Personnel Questions (CCAQ/PER) which is chaired by the ITU.

- Events organised by the Geneva-based Organizations to mark the United Nations 50th anniversary.

The Union provided inputs through the ACC machinery to prepare the launching of the United Nations system-wide Special Initiative for Africa in early 1996. The United Nations Secretary-General in his capacity as Chairman of the ACC has called upon UN Agencies to work through Inter-Agency Task Forces on global issues like Basic Social Services for All, Employment and Sustainable Livelihoods, Food Security, Sustainable Agriculture and Food Security. In line with the conclusions reached at the October 95 ACC session, the ITU Secretary-General called for the establishment of an ACC Task Force on promotion of Universal access to Basic Telecommunications and Information Services.

During the period under review, the Union participated in various conferences and meetings held by International Organizations as well as Non-Governmental Organizations meetings.

7.1 United Nations Resolutions

In compliance with Article IV of the Agreement between the United Nations and the International Telecommunication Union, Resolutions addressed by the United Nations to the Union are to be brought to the attention of the Council. In 1995, the following UN Resolutions were communicated to the Union:

Resolution number	Title
A/50/1	Cooperation between the United Nations and the Economic Cooperation Organization.
A/50/3	Cooperation between the United Nations and the Agency for Cultural and Technical Cooperation.
A/50/6	Declaration on the Occasion of the Fiftieth Anniversary of the United Nations.
A/50/9	Report of the International Atomic Energy Agency.
A/50/14	Cooperation between the United Nations and the Latin American Economic System.
A/50/16	Cooperation between the United Nations and the League of Arab States.
A/50/17	Cooperation between the United Nations and the Organization of the Islamic Conference.
A/50/19	Participation of volunteers, "White Helmets", in activities of the United Nations in the field of humanitarian relief, rehabilitation and technical cooperation for development.
A/50/23	Law of the Sea.
A/50/40	Dissemination of information on decolonization.
A/50/42	Fourth World Conference on Women.
A/50/57	Strengthening of the coordination of emergency humanitarian assistance of the United Nations.

- A/50/58 Special economic assistance to individual countries or regions
- A. Assistance for the rehabilitation and reconstruction of Liberia.
 - B. International assistance to and cooperation with the Alliance for the Sustainable Development of Central America.
 - C. Assistance for the reconstruction and development of El Salvador.
 - D. International assistance for the economic rehabilitation of Angola.
 - F. Assistance for the reconstruction and development of Djibouti.
 - G. Assistance for humanitarian relief and the economic and social rehabilitation of Somalia.
 - H. Assistance to the Palestinian people.
 - J. Emergency assistance to the Sudan.
 - K. Special emergency assistance for the economic recovery and reconstruction of Burundi.
 - L. Situation in Rwanda: International assistance for a solution to the problem of refugees, the restoration of total peace, reconstruction and socio-economic development in Rwanda.
- A/50/133 Support by the United Nations system of the efforts of Governments to promote and consolidate new or restored democracies.
- A/50/134 Strengthening of international cooperation and coordination of efforts to study, mitigate and minimize the consequences of the Chernobyl disaster.
- A/50/155 Conference of States Parties to the Convention on the Rights of the Child.
- A/50/158 Cooperation between the United Nations and the Organization of African Unity.
- A/50/160 Implementation of the United Nations New Agenda for the Development of Africa in the 1990s.
- A/50/161 Implementation of the outcome of the World Summit for Social Development.
- A/50/75 Strengthening of security and cooperation in the Mediterranean region.
- A/50/27 International cooperation in the peaceful uses of outer space.
- A/50/28 United Nations Relief and Works Agency for Palestine Refugees in the Near East
- A. Assistance to Palestine Refugees.
 - E. Operations of the United Nations Relief and Works Agency for Palestine Refugees in the Near East.

A/50/30	Comprehensive review of the whole question of peace-keeping operations in all their aspects.
A/50/94	Second Industrial Development Decade for Africa.
A/50/95	International trade and development.
A/50/96	Economic measures as a means of political and economic coercion against developing countries.
A/50/100	United Nations Conference on Human Settlements (Habitat II).
A/50/101	Science and technology for development.
A/50/102	United Nations system support for science and technology in Africa.
A/50/103	Implementation of the Programme of Action for the Least Developed Countries for the 1990s.
A/50/104	Women in development.
A/50/105	Developing human resources for development.
A/50/106	Business and development.
A/50/107	Observance of the International Year for the Eradication of Poverty and proclamation of the first United Nations Decade for the Eradication of Poverty.
A/50/109	World Food Summit.
A/50/117	International Decade for Natural Disaster Reduction.
A/50/118	Cooperation between the United Nations and the Southern African Development Community.
A/50/119	Economic and technical cooperation among developing countries and a United Nations conference on Sought-South cooperation.
A/50/121	United Nations Institute for Training and Research.
A/50/130	Communication for development programmes in the United Nations system.
A/50/135	Measures to combat contemporary forms of racism, racial discrimination, xenophobia and related intolerance.
A/50/136	Third Decade to Combat Racism and Racial Discrimination.
A/50/137	Report of the Committee on the Elimination of Racial Discrimination.
A/50/171	International Covenants on Human Rights.
A/50/174	Strengthening of United Nations action in the human rights field through the promotion of international cooperation and the importance of non-selectivity, impartiality and objectivity.
A/50/203	Follow-up to the Fourth World Conference on Women and full implementation of the Beijing Declaration and Platform for Action.

7.2 Activities of the Joint Inspection Unit

The report of the activities of the JIU is presented to the Council for consideration pursuant to Resolution 57 of the Plenipotentiary Conference (Kyoto, 1994). The titles of the reports, as prepared by the JIU during the period January-December 1995 are the following:

Reference	Title
JIU/REP/95/1 (Part I)	Inspection of the application of United Nations recruitment, placement and promotion policies (Part 1 - Recruitment).
JIU/REP/95/2	Accountability, Management improvement and Oversight in the United Nations System.
JIU/REP/95/3	A review of Telecommunications and related information technologies in the United Nations System.
JIU/REP/95/4	Report on sharing responsibilities in peace-keeping: the United Nations and Regional Organizations.
JIU/REP/95/5	The advancement of women through and in the programmes of the United Nations system: What happens after the Fourth World Conference on Women ?
JIU/REP/95/6	Investigation of the relationship between humanitarian assistance and peace-keeping operations.
JIU/REP/95/7	United Nations system support for science and technology in Asia and the Pacific.
JIU/REP/95/8	Management in the United Nations: Work in progress.
JIU/REP/95/9	The involvement of the United Nations system in providing and coordinating humanitarian assistance.
JIU/REP/95/10	Travel in the United Nations: issues of efficiency and cost savings.
JIU/REP/95/11	Military component of United Nations peace-keeping operations.
JIU/REP/95/12	Evaluation of the United Nations New Agenda for the Development of Africa in the 1990s (UN-NADAF) - Towards a More Operational Approach ?
JIU/REP/95/13	Strengthening of the United Nations System Capacity for Conflict Prevention.

* * * * *

ANNEX 1

**POSITION OF MEMBERS IN RELATION TO THE ACTS OF THE UNION
ON 31 DECEMBER 1995**

Table I. *Final Acts of Geneva (1992), Kyoto (1994) and Administrative Regulations:*

- Constitution and Convention of the International Telecommunication Union (Geneva, 1992);
- Optional Protocol on the Compulsory Settlement of Disputes Relating to the Constitution, to the Convention and to the Administrative Regulations (Geneva, 1992);
- Amendments to the Constitution and Convention (Kyoto, 1994);
- International Telecommunication Regulations (Melbourne, 1988);
- Radio Regulations (Geneva, 1979);
- Partial revision of the Radio Regulations (WARC for the Mobile Services, Geneva, 1983) (MOB-83);
- Partial revision of the Radio Regulations (WARC on the Use of the Geostationary-Satellite Orbit and the Planning of the Space Services Utilizing It, Geneva, 1985) (ORB-85);
- Partial revision of the Radio Regulations (WARC for the Planning of the HF Bands Allocated to the Broadcasting Service, Geneva, 1987) (HFBC-87);
- Partial revision of the Radio Regulations (WARC for the Mobile Services, Geneva, 1987) (MOB-87);
- Partial revision of the Radio Regulations (WARC on the Use of the Geostationary-Satellite Orbit and the Planning of the Space Services Utilizing It, Geneva, 1988) (ORB-88);
- Partial revision of the Radio Regulations (WARC for Dealing with Frequency Allocations in Certain Parts of the Spectrum, Malaga-Torremolinos, 1992) (WARC-92).

Table II. *Final Acts of the World Administrative Radio Conference for the Planning of the Broadcasting-Satellite Service in Frequency Bands 11.7 - 12.2 GHz (in Regions 2 and 3) and 11.7 - 12.5 GHz (in Region 1) (Geneva, 1977).*

Table III. *Regional Agreement concerning the use by the broadcasting service of frequencies in the medium frequency bands in Regions 1 and 3 and in the low frequency bands in Region 1 (Geneva, 1975).*

Table IV. *Regional Agreement concerning the Use of the Band 87.5 - 108 MHz for FM Sound Broadcasting (Region 1 and part of Region 3) (Geneva, 1984).*

**Position of Members in relation to the
Acts of the Union**

Table V. *Regional Agreement concerning the Maritime Mobile and the Aeronautical Radionavigation Services in the MF Band (Region 1) (Geneva, 1985).*

Table VI. *American Regional Agreements:*

- Inter-American Radio Agreement (FIAR) (Washington, 1949);
- North-American Regional Broadcasting Agreement (NARBA) (Washington, 1950);
- Regional Agreement relating to MF Broadcasting Service in Region 2 (Rio de Janeiro, 1981);
- Regional Agreement concerning the Use of the Band 1605 - 1705 kHz in Region 2 (Rio de Janeiro, 1988).

Table VII. *European Regional Agreements and Protocol:*

- Regional Agreement for the Use of Frequencies in the Bands 68 - 73 MHz and 76 - 87.5 MHz by the Broadcasting Service on the one hand and by the Fixed and Mobile Services on the other (Geneva, 1960);
- Regional Agreement for the European Broadcasting Area (Stockholm, 1961);
- Protocol amending the Stockholm Agreement (Geneva, 1985);
- Regional Agreement for the Planning of Maritime Radionavigation Service (Radiobeacons) in the European Maritime Area (Geneva, 1985).

Table VIII. *African Regional Agreements and Protocols:*

- Regional Agreement for the African Broadcasting Area concerning the use of frequencies by the broadcasting service in the very high frequency and ultra high frequency bands (Geneva, 1963);
- Protocol amending this agreement (Geneva, 1985);
- Protocol abrogating those parts of this agreement, which are still in force (Geneva, 1989);
- Regional Agreement relating to the Planning of VHF/UHF Television Broadcasting in the African Broadcasting Area and Neighbouring Countries (Geneva, 1989).

IX. *List of Members which signed the Final Acts of the World Radiocommunication Conference (WRC-95), Geneva, 1995.*

X. *Special Agreements.*

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Table I. Final Acts of Geneva (1992), Kyoto (1994) and Administrative Regulations

POSITION ON 31 DECEMBER 1995

The letter S means that the Act concerned has been signed.

The letter A in columns 3, 5 or 7 means accession; in the other columns, it means approval.

MEMBERS (In the alphabetical order of the French version of the country names)	Class of Contribution Number of Units	GENEVA (1992)		KYOTO (1994)		ADMINISTRATIVE REGULATIONS																	
		Constitution and Convention		Optional Protocol		Amendments to the Constitution and Convention		International Telecom- munication Regulations Melbourne, 1988	RADIO REGULATIONS														
		Date on which the instrument of ratification, acceptance, approval or accession was deposited with the General Secretariat	Date on which the instrument of ratification, acceptance, approval or accession was deposited with the General Secretariat	Date on which the instrument of ratification, acceptance, approval or accession was deposited with the General Secretariat	Date on which the instrument of ratification, acceptance, approval or accession was deposited with the General Secretariat	Geneva, 1979	Partial Revision Geneva, 1983 MOB-83	Partial Revision Geneva, 1985 ORB-85	Partial Revision Geneva, 1987 HFBC-87	Partial Revision Geneva, 1987 MOB-87	Partial Revision Geneva, 1988 ORB-88	Partial Revision Malaga- Torremoli- nos, 1992 WARC-92											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Afghanistan (Islamic State of).....	1/16	S 1)		S		-		-	A 2)	S	A 3)	-	A 2)	-	A 2)	S	A 2)	S	A 2)	S	A 2)	-	
Albania (Republic of).....	1/4	S		S		-		S		-	A 3)	-		-		S		-		-	-		
Algeria (People's Dem.Rep.of).....	1	S 1)		-		S 25)		-	A 2)	S	A 3)	S	A 3)	S	A 2)	S	A 2)	S	A 2)	S	A 2)	S	
Germany (Federal Republic of).....	30	S 1)		-		S 25)		S	A	S	A	S	A	S	A	S	A	S	A 4)	S	A	S	A
Andorra (Principality of).....	1/4	A	24.01.1994	-		S		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)
Angola (Republic of).....	1/4	-		-		S 25)		S		S	A 3)	S	A 3)	S	A 3)	S	A 3)	S		S		-	
Antigua and Barbuda.....	1/16	-		-		-		-		-	A 3)	-	A 3)	-	A 3)	S		S		S		-	
Saudi Arabia (Kingdom of).....	10	S 1)		S		S 25)		S	A	S	A	S	A 3)	S	A	S	A	S	A	S	A	S	
Argentine Republic.....	1/2	S 1)		-		S		S		S	A 4)	S	A 4)	S	A 4)	S	A 4)	S		S		S	
Armenia (Republic of).....	1/4	A	29.09.1995	-		-		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)
Australia.....	15	S 1)	29.09.1994 5)	S	29.09.1994	S 25)		S	A	S	A 3)	S	A	S	A	S	A 4)	S	A 4)	S	A	S	A
Austria.....	1	S 1)		S		S 25)		S		S	A 3)	S	A 3)	S	A 3)	S	A 3)	S		S		S	
Azerbaijani Republic.....	1/4	-		-		-		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	
Bahamas (Commonwealth of the).....	1/2	S	04.08.1994	S		S 25)		S	A 6)	-	A	-	A 3)	-	A 3)	-	A 6)	S	A 6)	S	A 6)	S	A 6)
Bahrain (State of).....	1/2	S 1)		S		S 25)		-		S	A 3)	S		S		-	-	-	-	S		S	
Bangladesh (People's Republic of).....	1/8	A	28.07.1994	-		S 25)		-	A 6)	S	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)	-	A 6)	S	A 6)
Barbados.....	1/4	S		S		S 25)		-	A 2)	-	A 3)	-	A 3)	-	A 2)	-	A 2)	-	A 2)	-	A 2)	-	
Belarus (Republic of).....	1/4	S 1)	15.06.1994 5)	S	15.06.1994	S 25)		S	A 6)	S	A 7)	S	A 3)	S	A 6)	S	A	S	A	S	A 6)	S	A
Belgium.....	5	S 1)		S		S 25)		S		S	A 3)	S	A 3)	S		S		S		S		S	A
Belize.....	1/8	A	09.11.1993	A	07.12.1993	-		-	A 6)	-	A	-	A 3)	-	A 6)	-	A 6)	-	A 6)	-	A 6)	S	A 6)
Benin (Republic of).....	1/4	S 1)		S		S 25)		S		S	A 3)	S	A 3)	-		-	-	-	-	S		S	
Bhutan (Kingdom of).....	1/8	S		S		S 25)		S		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	-	-	-	S	
Bolivia (Republic of).....	1/4	A	30.12.1993	-		S		-	A 6)	-	A 3)	-	A 6)	-	A 6)	-	A 6)	-	A 6)	-	A 6)	-	A 6)
Bosnia and Herzegovina (Republic of)	1/16	A	02.09.1994	A	02.09.1994	S		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)
Botswana (Republic of).....	1/2	S		S		S		S		S	A 3)	S	A 3)	-	A 3)	-	S	-	-	-	-	S	
Brazil (Federative Republic of).....	3	S		S		S		S	A 2)	S	A 3)	S	A 3)	S	A 3)	S	A 3)	S	A 3)	S	A 2)	S	
Brunei Darussalam.....	1/2	S 1)		S		S 25)		S		-	A 3)	-		S		-	-	-	-	S		S	
Bulgaria (Republic of).....	1/4	S 1)	09.09.1994	S		S 25)		S	A 6)	S	A 3)	S	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Burkina Faso.....	1/8	S 1)	21.10.1994	S		S 25)		S	A 6)	S	A 3)	-	A 3)	-	A	S	A 4)	S	A 4)	S	A 4)	S	A 6)
Burundi (Republic of).....	1/16	S 1)		S		S 25)		-		S	A 3)	-	A 3)	-	A 3)	-		S		S		S	
Cambodia (Kingdom of).....	1/16	-		-		S 25)		-		-		-		-		-	-	-	-	-	-	-	
Cameroon (Republic of).....	1	S 1)	18.04.1995	S		S 25)		S	A 2)	S	A 3)	S	A 3)	S	A 2)	S	A 2)	S	A 2)	S	A 2)	S	A 6)
Canada.....	18	S 1)	21.06.1993 5)	S	21.06.1993	S 25)		S	A	S	A 8)	S	A	S	A 4)	S	A 4)	S	A 4)	S	A 4)	S	A 4)
Cape Verde (Republic of).....	1/8	S		S		S 25)		-		S	A 3)	-	A 3)	-	A 3)	-	A 3)	-	-	-	-	S	
Central African Republic.....	1/16	S	11.05.1995	S		S		S	A 6)	S	A 3)	-	A 3)	-	A 3)	S	A 3)	-	A 6)	S	A 6)	S	A 6)
Chile.....	1	S 1)		S		S		S		S	A 3)	S	A 3)	S		S		S		S		S	
China (People's Republic of).....	10	S 1)		-		S 25)		S		S	A 4)	S	A 3)	S		S		S		S		S	
Cyprus (Republic of).....	1/4	S 1)	01.11.1995	S	01.11.1995	S 25)		S	A 6)	S	A 3)	S	A 3)	-	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Vatican City State.....	1/4	S		-		S		S		S	A 3)	-	A 3)	-		S		S		S		S	
Colombia (Republic of).....	1	S 1)		S		S 25)		S		S	A	S	A 3)	S		S		S		S		S	
Comoros (Islamic Federal Rep. of the)	1/16	S		S		S 25)		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	
Congo (Republic of the).....	1/4	A	09.08.1994	A	09.08.1994	-		S	A 6)	S	A 3)	-	A 3)	-	A 3)	-	A 6)	-	A 6)	-	A 6)	S	A 6)
Korea (Republic of).....	5	S 1)	05.08.1994	S	05.08.1994	S 25)		S	A 6)	S	A	S	A	S	A	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Costa Rica.....	1/4	-		-		S 25)		-		S		-		-		-	-	-	-	-	-	-	
Côte d'Ivoire (Republic of).....	1/4	S 1)		S		S 25)		S	A 2)	S	A	S	A	S	A 2)	S	A 2)	S	A 2)	S	A 2)	S	
Croatia (Republic of).....	1/4	S	03.06.1994	-		S		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)
Cuba.....	1/4	S 1)		S		S 25)		S		S	A 3)	S	A 3)	S		S		S		S		S	
Denmark.....	5	S 1)	18.06.1993	S	18.06.1993	S 25)	09.01.1995	S	A 2)	S	A 4)	S	A 4)	S	A 2)	S	A 2)	S	A 2)	S	A 2)	S	A 6)
Djibouti (Republic of).....	1/8	S		S		S 25)		S		-	A 3)	-	A 3)	S	A 3)	-	-	-	-	-	-	-	
Dominican Republic.....	1/2	-		-		-		-		-		-		-		-	-	-	-	-	-	-	
Egypt (Arab Republic of).....	1/2	S		S		S 25)		-		S	A 3)	S	A 3)	S		S		S		S		-	
El Salvador (Republic of).....	1/4	S		-		S		S		S	A 3)	-	A 3)	-		-	-	-	-	-	-	-	
United Arab Emirates.....	1	S 1)	02.08.1995	S	02.08.1995	S 25)		S	A 2)	S	A 3)	S	A 3)	-	A 2)	S	A 2)	-	A 2)	S	A 2)	S	A 6)
Ecuador.....	1/2	A	01.08.1994	-		S 25)		-	A 6)	S	A 3)	S	A 3)	S	A 3)	S	A 6)	-	A 6)	S	A 6)	S	A 6)
Eritrea.....	1/8	A	31.01.1994	-		-		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)
Spain.....	8	S 1)		-		S 25)		S	A 4)	S	A 3)	S	A 3)	S	A	S	A	S	A 4)	S	A 4)	S	A
Estonia (Republic of).....	1/4	S 1)		S		S 25)		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	
United States of America.....	30	S 1)		-		S 25)		S	A 4)	S	A 9)	S	A 4)	S	A 4)	S		S	A 4)	S	A 4)	S	
Ethiopia (Fed. Dem. Rep. of).....	1/8	S 1)	13.10.1994	S		S 25)		S	A 6)	S	A	S	A 6)	S	A 6)	-	A 6)	S	A 6)	S	A 6)	S	A 6)

Table I. Final Acts of Geneva (1992), Kyoto (1994) and Administrative Regulations (continued)

MEMBERS (In the alphabetical order of the French version of the country names)	Class of Contribution Number of Units	GENEVA (1992)		KYOTO (1994)		ADMINISTRATIVE REGULATIONS																	
		Constitution and Convention		Optional Protocol		Amendments to the Constitution and Convention		RADIO REGULATIONS															
		Date on which the instrument of ratification, acceptance, approval or accession was deposited with the General Secretariat	Date on which the instrument of ratification, acceptance, approval or accession was deposited with the General Secretariat	Date on which the instrument of ratification, acceptance, approval or accession was deposited with the General Secretariat	Date on which the instrument of ratification, acceptance, approval or accession was deposited with the General Secretariat	International Telecom- munication Regulations Melbourne, 1988	Geneva, 1979	Partial Revision Geneva, 1983 MOB-83	Partial Revision Geneva, 1985 ORB-85	Partial Revision Geneva, 1987 HIFBC-87	Partial Revision Geneva, 1987 MOB-87	Partial Revision Geneva, 1988 ORB-88	Partial Revision Malaga- Torremoli- nos, 1992 WARC-92										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Fiji (Republic of).....	1/4	S 1)		S		S 25)		S		S	A 3)	-	A 3)	-		-	-	-	-	-	-	-	-
Finland.....	5	S 1)		S		S 25)		S	A 2)	S	A 3)	S	A 3)	S	A 2)	S	A 2)	S	A 2)	S	A 2)	S	
France.....	30	S 1)	18.05.1994	-		S 25)		S	A 4)	S	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A
Gabonese Republic.....	1/4	S 1)		S		S 25)		S	A 2)	S	A 3)	-	A 3)	S	A 3)	S	A 2)	-	A 2)	S	A 2)	S	
Gambia (Republic of the).....	1/8	S		S		S		-	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	-	-	-	-	S	
Georgia (Republic of).....	1/4	A	20.06.1994	-		S		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)
Ghana.....	1/4	S 1)		S		S 25)		S	A 2)	S	A 3)	-	A 3)	S	A 3)	S	A 2)	-	A 2)	S	A 2)	S	
Greece.....	1	S 1)		S		S 25)		S		S	A	S	A 3)	S		S		S		S		S	
Grenada.....	1/16	S		S		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guatemala (Republic of).....	1/4	-		-		-		S		S	A 3)	-	A 3)	S	A 3)	-	-	-	-	-	-	S	
Guinea (Republic of).....	1/8	S 1)	05.08.1994	S	05.08.1994	S 25)		S	A 2)	S	A 3)	S	A 3)	S	A 3)	S	A 2)	S	A 2)	S	A 2)	S	A 6)
Guinea-Bissau (Republic of).....	1/8	-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea (Republic of).....	1/8	-		-		-		-	-	-	A 3)	-	A 3)	-	-	-	-	-	-	-	-	-	-
Guyana.....	1/4	A	19.08.1994	-		S 25)		-	A 6)	S	A 3)	-	A 3)	-	A 6)	-	A 6)	-	A 6)	-	A 6)	-	A 6)
Haiti (Republic of).....	1/8	A	22.05.1995	-		-		-	A 6)	S	A	-	A 6)	-	A 6)	-	A 6)	-	A 6)	-	A 6)	-	A 6)
Honduras (Republic of).....	1/4	S		S		-		-		S	A 3)	-	A 3)	S		S		-	-	-	-	S	
Hungary (Republic of).....	1	S 1)		S		S 25)		S		S	A	S	A	S		S	A	S		S		S	
India (Republic of).....	5	S 1)	03.11.1995 5)	S		S 25)		S	A 6)	S	A	S	A 3)	S	A 6)	S	A	S	A 6)	S	A 6)	S	A 6)
Indonesia (Republic of).....	1	S 1)		S		S 25)		S		S	A 3)	S	A 3)	S		S		S		S		S	
Iran (Islamic Republic of).....	1	S 1)		S		S 25)		S		S	A 3)	S	A 3)	S		S		S		S		S	
Iraq (Republic of).....	1/4	-		-		-		S		S	A 3)	S	A 3)	S		S		S		S		-	-
Ireland.....	2	S 1)		S		S 25)		S		S	A 3)	S	A 3)	S	A 3)	S	A 3)	S		S		S	
Iceland.....	1/4	S 1)		S		S 25)		S		S	A 3)	S	A 3)	-	-	S		-	-	S		S	
Israel (State of).....	1	S 1)	25.08.1994	S		S 25)		S	A 6)	S	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Italy.....	20	S 1)		S		S 25)		S		S	A	S	A	S		S	A	S	A	S	A	S	A
Jamaica.....	1/4	S		S		S		-		S	A	-	A 3)	S		-	-	-	-	-	-	-	-
Japan.....	30	S 1)	18.01.1995	S	18.01.1995	S 25)		S	A	S	A	S	A	S	A	S	A	S	A 10)	S	A	S	A
Jordan (Hashemite Kingdom of).....	1/2	S 1)	16.10.1995	S	16.10.1995	S 25)		-	A 2)	S	A 3)	S	A 2)	S	A 2)	S	A 2)	S	A 2)	S	A 2)	S	A 6)
Kazakstan (Republic of).....	1/4	A	05.09.1994	-		S		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)
Kenya (Republic of).....	1/4	S 1)	25.08.1994	S	25.08.1994	S 25)		S	A 6)	S	A 3)	S	A 3)	S	A 6)	S	A	S	A 6)	S	A 6)	S	A 6)
Kiribati (Republic of).....	1/8	-		-		-		-	-	-	A 3)	-	A 3)	-	A 3)	-	-	-	-	-	-	-	-
Kuwait (State of).....	3	S 1)		S		S 25)		S		S	A 3)	S	A 3)	S		S		S		S		S	
Lao People's Democratic Republic.....	1/16	A	24.01.1994	A	24.01.1994	S 25)		-	A 6)	-	A 3)	-	A 6)	-	A 6)	-	A 6)	-	A 6)	-	A 6)	-	A 6)
Lesotho (Kingdom of).....	1/16	S 1)		S		S		-		S	A 3)	-	A 3)	-	-	S		-	-	-	-	-	-
Latvia (Republic of).....	1/4	S 1)		S		S 25)		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	S	
The Former Yug. Rep. of Macedonia..	1/8	A	11.07.1994	-		S 25)		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)
Lebanon.....	1/4	S 1)		S		S 25)		S		S	A 3)	-	A 3)	S	A	-	S		S		S		
Liberia (Republic of).....	1/4	S		S		-		-		S	A 3)	S	A 3)	S	A 3)	S		S		S		S	
Libya (Soc. People's Lib. Arab Jam.) ..	1	-		-		S 25)		-		S	A 3)	-	A 3)	S	A 3)	S		S		S		S	
Liechtenstein (Principality of).....	1/2	S 1)	02.01.1995 24)	S	02.01.1995	S 25)		S	A 6)	S	A 3)	-	A 3)	-	A 6)	-	A 6)	-	A 6)	S	A 6)	S	A 6)
Lithuania (Republic of).....	1	S 1)		S		-		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	S	
Luxembourg.....	1/2	S 1)		S		S 25)		S		S	A 3)	-	-	S		S		-	-	S		S	
Madagascar (Republic of).....	1/8	S		S		S		S		S	A 3)	S	A 3)	S	A 3)	S		S		S		S	
Malaysia.....	1	S 1)	11.04.1994	-		S 25)		S	A 6)	S	A 3)	S	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Malawi.....	1/8	S 1)		S		S 25)		-		S	A 3)	-	A 3)	S		-	-	-	-	-	-	S	
Maldives (Republic of).....	1/8	A	22.08.1994	-		S		S	A 6)	-	A 3)	-	A 3)	-	A 6)	S	A 6)	-	A 6)	-	A 6)	-	A 6)
Mali (Republic of).....	1/8	S	25.04.1995	S		S 25)		S	A 6)	S	A 3)	-	A 3)	S	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Malta.....	1/4	S 1)	30.08.1995 5)	S	30.08.1995	S 25)		S	A 4)	S	A 3)	-	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Morocco (Kingdom of).....	1	S 1)		-		S 25)		S		S	A 3)	S	A 3)	S	A 3)	S	A 3)	S		S		S	
Mauritius (Republic of).....	1/4	A	06.12.1993	A	06.12.1993	S		S	A 6)	S	A 3)	-	A 3)	-	A 6)	-	A 6)	-	A 6)	-	A 6)	-	A 6)
Mauritania (Islamic Republic of).....	1/4	S 1)		S		S 25)		-		S	A 3)	S	A 3)	-	A 3)	S	A 3)	S		S		-	-
Mexico.....	1	S 1)	27.09.1993 11)	S	27.09.1993	S 25)		S	A 4)	S	A 4)	S	A 2)	S	A 4)	S	A 4)	S	A 4)	S	A 2)	S	A 12)
Micronesia (Federated States of).....	1/4	A	07.08.1995	-		-		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)
Moldova (Republic of).....	1/4	S		-		S		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	-
Monaco (Principality of).....	1/4	S 1)		S		S 25)		S		S	A 3)	S	A 3)	S		S		S		S		S	
Mongolia.....	1/4	S 1)		-		S 25)		-		S	A 3)	-	A 3)	-	-	S		-	-	S		S	
Mozambique (Republic of).....	1/16	A	19.09.1994	-		S		-	A 6)	S	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)	-	A 6)	S	A 6)
Myanmar (Union of).....	1/8	S 1)		-		-		-	-	-	A 3)	-	A 3)	-	-	-	-	-	-	-	-	-	-
Namibia (Republic of).....	1/4	A	04.08.1994 13)	-		S 25)		-	A 6)	-	A 3)	-	A 6)	-	A 6)	-	A 6)	-	A 6)	-	A 6)	-	A 6)
Nauru (Republic of).....	1/8	-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nepal.....	1/16	S		S		S		S	A 2)	S	A 3)	-	A 3)	-	A 3)	-	A 2)	-	A 2)	-	A 2)	-	-
Nicaragua.....	1/4	-		-		-		-		S	A 3)	S	A 3)	-	A 3)	-	-	-	-	-	-	S	

Table I. Final Acts of Geneva (1992), Kyoto (1994) and Administrative Regulations (continued)

MEMBERS (In the alphabetical order of the French version of the country names)	Class of Contribution Number of Units	GENEVA (1992)		KYOTO (1994)		ADMINISTRATIVE REGULATIONS																	
		Constitution and Convention		Optional Protocol		Amendments to the Constitution and Convention		RADIO REGULATIONS															
		Date on which the instrument of ratification, acceptance, approval or accession was deposited with the General Secretariat	Date on which the instrument of ratification, acceptance, approval or accession was deposited with the General Secretariat	Date on which the instrument of ratification, acceptance, approval or accession was deposited with the General Secretariat	Date on which the instrument of ratification, acceptance, approval or accession was deposited with the General Secretariat	International Telecom- munication Regulations Melbourne, 1988	Geneva, 1979	Partial Revision Geneva, 1983 MOB-83	Partial Revision Geneva, 1985 ORB-85	Partial Revision Geneva, 1987 HFBC-87	Partial Revision Geneva, 1987 MOB-87	Partial Revision Geneva, 1988 ORL-88	Partial Revision Malaga- Torremoli- nos, 1992 WARC-92										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Niger (Republic of the).....	1/8	S 1)		S		S 25)		S		S	A 3)	-	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Nigeria (Federal Republic of).....	2	S 1)		S		S 25)		S		S	A 3)	-	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Norway.....	5	S 1)	15.07.1994 14)	S		S 25)		S	A 6)	S	A 3)	S	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
New Zealand.....	2	S 1)	06.12.1994	S	06.12.1994	S 25)	16.06.1995	S	A 6)	S	A 15)	S	A 15)	S	A 16)	S	A 16)	S	A 16)	S	A 16)	S	A 6)
Oman (Sultanate of).....	1/2	S 1)	18.05.1994	S	18.05.1994	S 25)		S	A 6)	S	A 3)	S	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Uganda (Republic of).....	1/16	A	27.07.1994	-		S 25)		S	A 3)	S	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)
Uzbekistan (Republic of).....	1/2	A	22.09.1994	A	22.09.1994	S		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 4)	-	A 3)	-	A 3)	-	A 6)
Pakistan (Islamic Republic of).....	2	S 1)		S		S 25)		S		S	A 3)	-	A 3)	S		S		S		S		S	
Panama (Republic of).....	1/2	S 1)		S		-		-		S	A 3)	S	A 3)	-		-		S		S		S	
Papua New Guinea.....	1/2	S 1)		S		S 25)		S		S	A 3)	S	A 3)	S		S		S		S		S	
Paraguay (Republic of).....	1/2	A	26.09.1994	-		S		S	A 6)	S	A 3)	-	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	-	A 6)
Netherlands (Kingdom of the).....	8	S 1)		S		S 25)		S	A 17)	S	A 17)	S	A 17)	S	A	S	A	S	A 4)	S 17)	A 4)	S	A 6)
Peru.....	1/4	A	30.09.1994 18)	A	30.09.1994	S 25)		-	A 6)	S	A 3)	-	A 3)	S	A 6)	-	A 6)	S	A 6)	S	A 6)	-	A 6)
Philippines (Republic of the).....	1	S 1)		S		S 25)		S		S	A 3)	-	A 3)	S		S		S		S		S	
Poland (Republic of).....	1	S	17.10.1995	S	17.10.1995	S 25)		S	A 6)	S	A 3)	S	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Portugal.....	2	S 1)	30.11.1995 5)	S	30.11.1995	S 25)		S	A 4)	S	A 4)	S	A 3)	S	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Qatar (State of).....	1/2	S 1)		S		S 25)		S		S	A 3)	S	A 3)	S		S		S		S		S	
Syrian Arab Republic.....	1/2	A	25.11.1993	-		S 25)		S	A	S	A 3)	S	A 3)	S	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Kyrgyz Republic.....	1/4	A	29.06.1994	-		S		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)
Dem. People's Republic of Korea.....	1/4	S 1)	09.08.1994	S		-		S	A 2)	S	A 3)	S	A 2)	S	A 2)	S	A 2)	S	A 2)	S	A 2)	S	A 6)
Slovak Republic.....	1/4	A	01.07.1994	-		S 25)	10.11.1995	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)
Czech Republic.....	1	A	29.08.1994	-		S 25)		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)
Romania.....	1/2	S 1)	30.11.1993	-		S 25)		S	A 6)	S	A 3)	S	A 3)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
United Kingdom of Great Britain and Northern Ireland.....	15	S 1)	27.06.1994	S	27.06.1994	S 25)		S	A 4)	S	A 19)	S	A 4)	S	A 4)	S	A 4)	S	A 4)	S	A 4)	S	A 6)
Russian Federation.....	15	S 1)	01.08.1995	-		S 25)		S	A 6)	S	A 20)	S	A 3)	S	A 6)	S	A	S	A	S	A	S	A
Rwandese Republic.....	1/16	-		-		-		S		S	A 3)	-	A 3)	-		S	-	-	-	-	-	-	-
San Marino (Republic of).....	1/4	S	31.08.1994	S	31.08.1994	S 25)		S	A 6)	S	A 3)	-	A 3)	S	A 6)	-	A 6)	S	A 6)	S	A 6)	S	A 6)
Saint Vincent and the Grenadines.....	1/16	A	20.09.1994	-		S 25)		-	A 6)	-	A 3)	-	A 3)	-	A 3)	-	A 6)	-	A 6)	-	A 6)	-	A 6)
Solomon Islands.....	1/16	-		-		-		-	-	-	A 3)	-	A 3)	-	A 3)	-	-	-	-	-	-	-	-
Western Samoa (Indep. State of).....	1/16	A	29.08.1994	-		S		-	A 6)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)	-	A 6)	-	A 6)
Sao Tome and Principe (Dem.Rep. of).....	1/16	-		-		-		-	-	-	A 3)	-	-	-	-	-	-	-	-	-	-	-	-
Senegal (Republic of).....	1	S 1)	18.11.1994	S		S 25)		S	A 6)	S	A 3)	-	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Sierra Leone.....	1/8	-		-		-		-	-	-	A 3)	-	A 3)	-	-	-	-	-	-	-	-	-	-
Singapore (Republic of).....	1	S 1)		S		S 25)		S		S	A 3)	S	A 3)	S		S		S		S		S	
Slovenia (Republic of).....	1/4	S 1)	12.12.1994	S	12.12.1994	S		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)
Somali Democratic Republic.....	1/8	-		-		-		-		S	A 3)	-	-	S		S		-	-	-	-	-	-
Sudan (Republic of the).....	1/16	S 1)		S		S 25)		-		S	A 3)	-	A 3)	-	A 3)	-	A 3)	-	-	-	-	-	-
Sri Lanka (Dem. Socialist Rep. of).....	1/2	S 1)		S		-		-		S	A 3)	S	A 3)	S		S		-	-	-	-	S	
South Africa (Republic of).....	3	A	30.06.1994	A	30.06.1994	S 25)		-	A 6)	-	A 3)	-	A 6)	-	A 6)	-	A 6)	-	A	-	A	-	A 6)
Sweden.....	8	S 1)	15.09.1994	S	15.09.1994	S 25)		S	A	S	A 3)	S	A 4)	S	A 4)	S	A 4)	S	A	S	A 4)	S	A 4)
Switzerland (Confederation of).....	15	S 1)	15.09.1994 21)	S	15.09.1994	S 25)		S	A 6)	S	A	S	A	S	A	S	A	S	A	S	A	S	A
Suriname (Republic of).....	1/4	S 1)		S		S		-	-	-	A 3)	-	-	S		S		-	-	-	-	S	
Swaziland (Kingdom of).....	1/8	S 1)		S		S 25)		S	A 2)	S	A 3)	-	A 3)	-	A 2)	S	A 2)	S	A 2)	-	A 2)	S	
Tajikistan (Republic of).....	1/4	A	19.07.1994	-		S		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)
Tanzania (United Republic of).....	1/8	S		S		S 25)		S		S	A 3)	-	A 3)	S	A 3)	S		S		S		S	
Chad (Republic of).....	1/16	S		S		S 25)		S		S	A 3)	-	-	S		-	-	-	-	-	-	-	-
Thailand.....	1/12	S 1)		S		S 25)		S		S	A	S	A 3)	S		S		S		S		S	
Togolese Republic.....	1/16	A	19.09.1994	A	19.09.1994	S		S	A 6)	S	A 3)	S	A 3)	-	A 6)	S	A 6)	S	A 6)	S	A 6)	S	A 6)
Tonga (Kingdom of).....	1/16	A	09.09.1994	-		S 25)		S	A 6)	-	A 3)	-	A 3)	S	A 3)	-	A 6)	-	A 6)	S	A 6)	-	A 6)
Trinidad and Tobago.....	1/2	A	20.09.1994	-		-		-	A 6)	S	A 3)	-	A 6)	-	A 6)	-	A 6)	-	A 6)	S	A 6)	-	A 6)
Tunisia.....	1/2	S 1)		S		S 25)		S	A 2)	S	A 3)	S	A 3)	S	A 3)	S	A 2)	S	A 2)	S	A 2)	S	
Turkmenistan.....	1/4	A	27.04.1994	-		S		-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 3)	-	A 6)
Turkey.....	1	S 1)		S		S 25)		S	A	S	A 3)	S	A 3)	S		S		S		S		S	
Ukraine.....	1/2	S 1)	04.08.1994	-		S 25)		S	A 6)	S	A 22)	S	A 3)	S	A 6)	S	A	S	A 6)	S	A 6)	S	A 6)
Uruguay (Eastern Republic of).....	1/2	S 1)		S		S 25)		-	A 2)	S	A 3)	S	A 2)	S	A 2)	S	A 2)	S	A 2)	S	A 2)	S	
Vanuatu (Republic of).....	1/16	-		-		-		-	-	-	A 3)	-	A 3)	-	A 3)	-	-	-	-	-	-	-	-
Venezuela (Republic of).....	1	S 1)		-		S 25)		-	A	S	A 4)	S	A 3)	S		S		S		S		S	
Viet Nam (Socialist Republic of).....	1/2	S 1)		S		S 25)		S		-	A 23)	S	A 23)	-	-	S		S		S		-	-
Yemen (Republic of).....	1/4	S 1)		S		S 25)		S	-	-	A 3)	-	A 3)	-	A 3)	S	-	-	-	-	-	-	-
Yugoslavia (Federal Republic of).....	1/2	A	11.10.1995	A	11.10.1995	-		S	A 2)	S	A	S	A 3)	S	A 2)	S	A 2)	S	A 2)	S	A 2)	S	A 6)
Zaire (Republic of).....	1/2	-		-		-		S		S	A 3)	-	A 3)	-	A 3)	-	A 3)	-	-	-	-	-	-
Zambia (Republic of).....	1/16	S 1)		S		S 25)		-		S	A 3)	S	A 3)	-	-	-	-	-	-	-	-	-	-
Zimbabwe (Republic of).....	1/2	S	05.12.1994	S	05.12.1994	S 25)		S	A 6)	-	A 3)	-	A 3)	-	A 6)	S	A 6)	-	A 6)	S	A 6)	S	A 6)

Position of Members in relation to the Acts of the Union

1) See Declarations and Reservations in the Final Acts (Geneva, 1992).

2) Administrative Regulations or revisions thereof, which were adopted by competent world administrative conferences prior to the date of signature (30 June 1989) of the Nice Constitution and Convention and with regard to which the Member State automatically consented to be bound by them by virtue of its ratification, acceptance or approval of, or of its accession to, the Nice Constitution and Convention (See No. 195 in Article 43 of the Nice Constitution).

3) Regulations approved *ipso facto*, since they were in force when the country concerned ratified or acceded to the International Telecommunication Convention of Malaga-Torremolinos, 1973 or to that of Nairobi, 1982.

4) This approval was given subject to the reservation(s) made at the time of signature.

5) In ratifying the Constitution and the Convention, the country concerned confirmed the declarations and/or reservations made at the time of signature.

6) Administrative Regulations or revisions thereof, which were adopted by competent world administrative conferences prior to the date of signature (22 December 1992) of the Constitution and Convention of Geneva and with regard to which the Member State automatically consented to be bound by them by virtue of its ratification, acceptance or approval of, or of its accession to, the Constitution and Convention of Geneva (See No. 216 in Article 54 of the Geneva Constitution).

7) The notification of approval was accompanied by the following declarations (*translation*):

- a) in approving the Radio Regulations (Geneva, 1979), the Byelorussian Soviet Socialist Republic reserves the right to take the necessary steps to protect its interests in the event that other States fail to observe the provisions of the said Regulations and in the event that any other action is taken which may be prejudicial to the interests of the Byelorussian SSR;
- b) the Byelorussian Soviet Socialist Republic does not recognize claims to the extension of State sovereignty to any segment of the orbit of geostationary satellites, since such claims are contrary to the status of outer space universally recognized in international law;
- c) in connection with the territorial claims of certain countries in Antarctica, the Byelorussian Soviet Socialist Republic has never recognized and cannot recognize as legitimate any separate solution whatsoever to the question of the ownership of Antarctica by any State.

8) This approval was given subject to the two reservations appearing under No. 19 in the Final Protocol made at the time of signature.

9) In ratifying these Acts, the Government of the United States of America confirmed the reservations and statements made when the Final Protocol was signed (Nos. 32, 36, 38, 39, 72 and 75). The following is also contained in the instrument:

The United States reservation contained in statement XII of the Final Protocol associated with the partial revision of the 1959 Radio Regulations adopted at the World Maritime Administrative Radio Conference, Geneva, 1974, should be regarded as continuing to apply to the Radio Regulations (Geneva, 1979), the text of that reservation being as follows:

"The Delegation of the United States of America formally declares that the United States of America does not, by signature of these Final Acts on its behalf, accept any obligations in respect of the Frequency Allotment Plan for Coast Radiotelephone Stations Operating in the Exclusive Maritime Mobile Bands between 4 000 kHz and 23 000 kHz and the associated implementing procedures, and that, although the United States of America will observe the provisions of the Plan and implementing procedures to the extent practicable, pending the results of a future World General Administrative Radio Conference, the United States of America reserves its right to take such measures as may be necessary to protect its maritime radiotelephony interests."

10) In approving these Acts, the Government of Japan confirmed the statement made at the time of signature of the Final Acts of the Plenipotentiary Conference (Nice, 1989).

11) In ratifying the Constitution and the Convention, Mexico reaffirmed the reservation No. 55, made at the time of signing.

12) In ratifying the Final Acts of the WARC-92, Mexico reaffirmed the reservation No. 51, made at the time of signing.

13) The following text appears in the instrument of accession:

"The Republic of Namibia reserves for its Government the right to take such action as it may consider necessary to safeguard its interest should any Member fail in any way to comply with the requirements of the Constitution and Convention of the International Telecommunication Union (Geneva, 1992), or the Annexes or the Protocols attached thereto, or should reservations by other countries jeopardize Namibia's telecommunication services or lead to an increase in its contributory share towards defraying the expenses of the Union."

14) In ratifying the Constitution and the Convention, Norway reaffirmed the reservation No. 73, made at the time of signing.

15) This approval also applies to the Cook Islands and Niue.

16) This approval also applies to Niue.

17) For the Netherlands, the Netherlands Antilles and Aruba.

Position of Members in relation to the
Acts of the Union

18) The following text appears in the instrument of accession (*translation*):

"The Government of Peru reserves the right to :

1. take such action as it may consider necessary to safeguard its interest should any Member of the Union fail in any way to comply with the requirements of the Constitution, the Convention or its Regulations, or might reservations by other countries jeopardize or be prejudicial to Peru's telecommunication services;

2. accept or not the consequences of reservations by other Member states which could lead to an increase in its contributory share towards defraying the expenses of the Union."

19) The approval is in respect of the United Kingdom of Great Britain and Northern Ireland and Territories under the territorial sovereignty of the United Kingdom.

20) The notification of approval was accompanied by the following declarations (*translation*):

- a) in approving the Radio Regulations (Geneva, 1979), the Union of Soviet Socialist Republics reserves the right to take the necessary steps to protect its interests in the event that other States fail to observe the provisions of the said Regulations and in the event that any other action is taken which may be prejudicial to the interests of the USSR;
- b) the Union of Soviet Socialist Republics does not recognize claims to the extension of State sovereignty to any segment of the orbit of geostationary satellites, since such claims are contrary to the status of outer space universally recognized in international law;
- c) as the Soviet Government has already declared on several occasions in connection with the territorial claims of certain countries in Antarctica, the Union of Soviet Socialist Republics has never recognized and cannot recognize as legitimate any separate solution whatsoever to the question of the ownership of Antarctica by any State.

21) In ratifying the Constitution and the Convention, Switzerland reaffirmed the reservation No. 21, made at the time of signing.

22) The notification of approval was accompanied by the following declarations (*translation*):

- a) in approving the Radio Regulations (Geneva, 1979), the Ukrainian Soviet Socialist Republic reserves the right to take the necessary steps to protect its interests in the event that other States fail to observe the provisions of the said Regulations and in the event that any other action is taken which may be prejudicial to the interests of the Ukrainian SSR;
- b) the Ukrainian Soviet Socialist Republic does not recognize claims to the extension of State sovereignty to any segment of the orbit of geostationary satellites, since such claims are contrary to the status of outer space universally recognized in international law;
- c) in connection with the territorial claims of certain countries in Antarctica, the Ukrainian Soviet Socialist Republic has never recognized and cannot recognize as legitimate any separate solution whatsoever to the question of the ownership of Antarctica by any State.

23) In ratifying the Convention, the Government of the Socialist Republic of Viet Nam confirmed the statements in No. 48 of the Final Protocol to the Convention.

24) In ratifying the Constitution and the Convention, Liechtenstein reaffirmed the reservation No. 21, made at the time of signing.

25) See Declarations and Reservations in the Final Acts (Kyoto, 1994).

Position of Members in relation to the
Acts of the Union

**Table II. Final Acts of the World Administrative Radio Conference for the Planning
of the Broadcasting-Satellite Service in Frequency Bands 11.7-12.2 GHz
(in Regions 2 and 3) and 11.7-12.5 GHz (in Region 1)
(Geneva, 1977) *)**

Note: The provisions and associated Plan contained in the Final Acts have become an integral part of the
Radio Regulations, Geneva (1979) (see Article 15 and Appendix 30 of the Regulations).

S = Signature; A = Approval.

1	2	3	1	2	3	1	2	3
Afghanistan (Islamic State of).....	S	6)	Egypt (Arab Republic of).....	S	6)	Madagascar (Rep. of).....	S	6)
Albania (Republic of).....	—	6)	El Salvador (Republic of).....	—	6)	Malaysia.....	S	A
Algeria (People's Democratic Republic of).....	S	6)	United Arab Emirates.....	S	6)	Malawi.....	—	6)
Germany (Federal Rep. of).....	S	A 5)	Ecuador.....	S	6)	Maldives (Republic of).....	—	6)
Antigua and Barbuda.....	—	6)	Spain.....	S	6)	Mali (Republic of).....	S	6)
Saudi Arabia (Kingdom of).....	S	6)	United States of America.....	S	6)	Malta.....	S	6)
Argentina Republic.....	S	A 4)	Ethiopia (Fed. Dem. Rep. of).....	S	6)	Morocco (Kingdom of).....	S	6)
Australia.....	S	6)	Fiji (Republic of).....	—	6)	Mauritius (Republic of).....	S	6)
Austria.....	S	6)	Finland.....	S	A	Mauritania (Islamic Rep. of).....	S	6)
Bahamas (Commonwealth of the).....	—	6)	France.....	S	A	Mexico.....	S	6)
Bahrain (State of).....	S	6)	Gabonese Republic.....	S	6)	Monaco (Principality of).....	S	6)
Bangladesh (People's Rep. of).....	S	6)	Ghana.....	S	6)	Mongolia.....	S	6)
Barbados.....	—	6)	Greece.....	S	A	Myanmar (Union of).....	—	6)
Belarus (Republic of).....	S	A	Guatemala (Republic of).....	S	6)	Namibia (Republic of).....	—	6)
Belgium.....	S	6)	Guinea (Republic of).....	S	6)	Niger (Republic of the).....	—	6)
Belize.....	—	6)	Equatorial Guinea (Rep. of).....	—	6)	Nigeria (Federal Republic of).....	S	6)
Benin (Republic of).....	S	6)	Guyana.....	—	6)	Norway.....	S	6)
Bolivia (Republic of).....	S	6)	Haiti (Republic of).....	S	6)	New Zealand.....	S	6)
Botswana (Republic of).....	—	6)	Honduras (Republic of).....	—	6)	Oman (Sultanate of).....	S	6)
Brazil (Federative Rep. of).....	S	6)	Hungary (Republic of).....	S	A 4)	Uganda (Republic of).....	S	6)
Brunei Darussalam.....	—	6)	India (Republic of).....	S	A	Pakistan (Islamic Republic of).....	S	6)
Bulgaria (Republic of).....	S	6)	Indonesia (Republic of).....	S	6)	Panama (Republic of).....	S	6)
Burkina Faso.....	S	6)	Iran (Islamic Republic of).....	S	6)	Papua New Guinea.....	S	6)
Burundi (Republic of).....	S	6)	Iraq (Republic of).....	—	6)	Paraguay (Republic of).....	S	A
Cameroon (Republic of).....	—	6)	Ireland.....	S	A	Netherlands (Kingdom of the).....	S	A 3)
Canada.....	S	A	Iceland.....	S	6)	Peru.....	—	6)
Central African Republic.....	S	6)	Israel (State of).....	—	6)	Philippines (Republic of the).....	S	6)
Chile.....	S	6)	Italy.....	S	A	Poland (Republic of).....	S	6)
China (People's Republic of).....	S	6)	Jamaica.....	—	6)	Portugal.....	S	6)
Cyprus (Republic of).....	S	6)	Japan.....	S	6)	Qatar (State of).....	—	A
Vatican City State.....	S	6)	Jordan (Hashemite Kingdom of)	—	6)	Syrian Arab Republic.....	—	6)
Colombia (Republic of).....	S	6)	Kenya (Republic of).....	S	6)	Dem. People's Rep. of Korea.....	S	6)
Comoros (Islamic Federal Republi of the).....	S	6)	Kiribati (Republic of).....	—	6)	Romania.....	S	6)
Congo (Republic of the).....	S	6)	Kuwait (State of).....	S	6)	United Kingdom of Great Britain and Northern Ireland	S	A 1)
Korea (Republic of).....	S	A	Lao People's Dem. Rep.....	S	6)	Russian Federation.....	S	A
Côte d'Ivoire (Republic of).....	S	6)	Lesotho (Kingdom of).....	—	6)	Rwandese Republic.....	—	6)
Cuba.....	S	6)	Lebanon.....	S	6)	San Marino (Republic of).....	—	6)
Denmark.....	S	A	Liberia (Republic of).....	—	6)	Saint Vincent and the Grenadines.....	—	6)
Djibouti (Republic of).....	—	6)	Libya (Soc. People's Libyan Arab Jamahiriya).....	S	6)			
			Liechtenstein (Princ. of).....	S	A			
			Luxembourg.....	S	6)			

Table II (cont.)

1	2	3	1	2	3	1	2	3
Solomon Islands	—	6)	Sweden	S	A 4)	Tunisia	S	6)
Sao Tome and Principe (Dem. Republic of)	—	6)	Switzerland (Confederation of)	S	A 2)	Turkey	S	6)
Senegal (Republic of)	S	A	Suriname (Republic of)	—	6)	Ukraine	S	A
Sierra Leone	—	6)	Swaziland (Kingdom of)	—	6)	Uruguay (Eastern Rep. of)	S	6)
Singapore (Republic of)	S	A	Tanzania (United Rep. of)	S	6)	Venezuela (Republic of)	S	6)
Somali Democratic Republic	—	6)	Chad (Republic of)	S	6)	Yemen (Republic of)	S	6)
Sudan (Republic of the)	S	6)	Czech and Slovak Fed. Rep.	S	A 4)	Yugoslavia (Fed. Rep. of)	S	6)
Sri Lanka (Dem. Soc. Rep. of) ..	—	6)	Thailand	S	6)	Zaire (Republic of)	S	
South Africa (Republic of)	—	6)	Togoese Republic	S	6)	Zambia (Republic of)	—	6)
			Trinidad and Tobago	—	6)	Zimbabwe (Republic of)	—	6)

*) In the alphabetical order of the French version of the country names.

- 1) The approval is in respect of the United Kingdom of Great Britain and Northern Ireland and Territories under the territorial sovereignty of the United Kingdom.
- 2) In approving these Final Acts, Switzerland supported the statement No. 74 of the Final Protocol to these Acts.
- 3) For the Netherlands, the Netherlands Antilles and Aruba.
- 4) In approving the Final Acts, the Member concerned confirmed the statement(s) made at the time of signature.
- 5) See Notifications Nos. 1146, 1169, 1175 and 1182.
- 6) This Member has approved the Radio Regulations, Geneva, 1979, of which the provisions and associated Plan contained in the Final Acts form an integral part.

Position of Members in relation to the
Acts of the Union

Table III. Regional Agreement concerning the use by the broadcasting service
of frequencies in the medium frequency bands in Regions 1 and 3
and in the low frequency bands in Region 1
(Geneva, 1975) *)

S = Signature; A = Approval or Accession.

1	2	3	1	2	3	1	2	3
Afghanistan (Islamic State of)...	S		Hungary (Republic of).....	S	A 1)	Papua New Guinea.....	S	A
Albania (Republic of).....	—	A	India (Rep. of).....	S	A	Netherlands (Kingdom of the)	S	A 3)
Algeria (People's Dem. Rep. of)	S		Indonesia (Rep. of).....	S		Philippines (Rep. of the).....	S	
Germany (Fed. Rep. of).....	S	A 4)	Iran (Islamic Rep. of).....	S		Poland (Republic of).....	S	A 1)
Andorra (Princip. of).....	—	A	Iraq (Republic of).....	—		Portugal.....	S	
Angola (Rep. of).....	—		Ireland.....	S	A	Qatar (State of).....	S	
Saudi Arabia (Kingdom of).....	S		Iceland.....	S	A	Syrian Arab Republic.....	S	
Australia.....	S		Israel (State of).....	S		Dem. People's Rep. of Korea.....	—	
Austria.....	S		Italy.....	S	A	Romania.....	S	A 5)
Bahrain (State of).....	—	A	Japan.....	S	A	United Kingdom of Great Britain and Northern Ireland	S	A 2)
Bangladesh (People's Rep. of)...	S		Jordan (Hashemite Kingdom of)	S	A	Russian Federation.....	S	A
Belarus (Republic of).....	S	A	Kenya (Republic of).....	S		Rwandese Republic.....	—	
Belgium.....	S	A	Kiribati (Rep. of).....	—		San Marino (Republic of).....	—	
Benin (Rep. of).....	S		Kuwait (State of).....	S		Solomon Islands.....	—	
Botswana (Rep. of).....	S	A	Lao People's Dem. Rep.	—		Sao Tome and Principe (Democratic Republic of).....	—	
Bulgaria (Rep. of).....	S	A	Lesotho (Kingdom of).....	S		Senegal (Rep. of).....	S	A
Burkina Faso.....	S	A 1)	The Former Yugoslav Republic of Macedonia.....	—	A	Sierra Leone.....	—	A
Burundi (Rep. of).....	S		Lebanon.....	S		Singapore (Rep. of).....	S	A
Cambodia (Kingdom of).....	—		Liberia (Republic of).....	S		Slovenia (Republic of).....	—	7)
Cameroon (Republic of).....	S	A	Libya (Soc. People's Libyan Arab Jamahiriya).....	S		Somali Democratic Republic....	—	
Cape Verde (Republic of).....	—		Liechtenstein (Princ. of).....	S	A	Sudan (Rep. of the).....	S	
Central African Republic.....	S		Luxembourg.....	S	A	Sri Lanka (Democratic Socialist Republic of).....	S	
China (People's Rep. of).....	S	A	Madagascar (Rep. of).....	S		South Africa (Rep. of).....	—	
Cyprus (Rep. of).....	S		Malaysia.....	S		Sweden.....	S	A
Vatican City State.....	S	A	Malawi.....	S	A	Switzerland (Confederation of).	S	A
Comoros (Islamic Federal Republic of the).....	—		Maldives (Rep. of).....	—		Swaziland (Kingdom of).....	—	
Congo (Rep. of the).....	S		Mali (Rep. of).....	S		Tanzania (United Rep. of).....	S	
Korea (Rep. of).....	S	A	Malta.....	—		Chad (Rep. of).....	S	
Côte d'Ivoire (Republic of).....	S	A	Morocco (Kingdom of).....	S	A	Czech and Slovak Federal Republic.....	S	A 1)
Croatia (Republic of).....	—	A	Mauritius (Republic of).....	S		Thailand.....	S	
Denmark.....	S	A	Mauritania (Islamic Rep. of)....	S		Togolese Republic.....	S	
Djibouti (Rep. of).....	—		Monaco (Principality of).....	S	A	Tonga (Kingdom of).....	—	A
Egypt (Arab Rep. of).....	S 6)		Mongolia.....	S	A	Tunisia.....	S	
United Arab Emirates.....	S		Mozambique (Republic of).....	S	A	Turkey.....	S	
Spain.....	S	A	Myanmar (Union of).....	—	A	Ukraine.....	S	
Ethiopia (Fed. Dem. Rep. of)....	S	A	Namibia (Republic of).....	—		Viet Nam (Soc. Rep. of).....	—	
Fiji (Republic of).....	S	A	Nauru (Rep. of).....	—	A	Yemen (Republic of).....	S	
Finland.....	S	A	Nepal.....	S	A	Yugoslavia (Fed. Rep. of).....	S	A
France.....	S	A	Niger (Rep. of the).....	S		Zaire (Republic of).....	S	
Gabonese Republic.....	S		Nigeria (Fed. Rep. of).....	S		Zambia (Republic of).....	S	
Gambia (Rep. of the).....	S		Norway.....	S	A	Zimbabwe (Rep. of).....	—	
Ghana.....	S		New Zealand.....	S	A			
Greece.....	S	A	Oman (Sultanate of).....	—	A			
Guinea (Rep. of).....	S		Uganda (Rep. of).....	S				
Guinea-Bissau (Rep. of).....	—		Pakistan (Islamic Rep. of).....	S				
Equatorial Guinea (Rep. of).....	—							

*) In the alphabetical order of the French version of the country names.

1) In approving the Agreement, the Member concerned confirmed the statement(s) made at the time of signature.

2) This approval is also in respect of the Territories under the territorial sovereignty of the United Kingdom in Regions 1 and 3.

- 3) This approval is in respect of the Kingdom in Europe.
- 4) See Notification No. 1132.
- 5) In approving this Agreement, the Government of the Socialist Republic of Romania has made the following statement (*translation*):
"The Socialist Republic of Romania reserves the right to take the necessary action to ensure that its broadcasting transmitters cover the entire national territory with broadcast programmes, in an appropriate manner, in the event that the coordination provided for in the Plan annexed to this Agreement cannot be achieved by negotiations."
- 6) See Notification No. 1175.
- 7) By a communication received on 23 December 1993, the Government of the Republic of Slovenia notified its succession to this Agreement.

**Position of Members in relation to the
Acts of the Union**

**Table IV. Regional Agreement concerning the Use of the Band 87.5 - 108 MHz
for FM Sound Broadcasting (Region 1 and part of Region 3)
(Geneva, 1984) *)**

S = Signature; A = Approval or Accession.

1	2	3	1	2	3	1	2	3
Afghanistan (Islamic State of)...	S		Greece	S	A	Oman (Sultanate of)	S	
Albania (Republic of)	S		Guinea (Republic of)	S		Uganda (Rep. of)	S	
Algeria (People's Dem. Rep. of)	S		Guinea-Bissau (Rep. of)	—		Netherlands (Kingdom of the)...	S	A
Germany (Fed. Rep. of)	S	A 1)	Equatorial Guinea (Rep. of)....	—		Poland (Republic of)	S	
Andorra (Princip. of)	—	A	Hungary (Republic of)	S		Portugal	S	
Angola (Rep. of)	S		Iran (Islamic Rep. of)	S		Qatar (State of)	S	A
Saudi Arabia (Kingdom of)	S	A	Iraq (Republic of)	S		Syrian Arab Republic	S	
Austria	S		Ireland	S		Romania	S	
Bahrain (State of)	—		Iceland	—		United Kingdom of Great Britain and Northern Ireland	S	
Belarus (Republic of)	S	A	Israel (State of)	S		Russian Federation	S	A 2)
Belgium	S		Italy	S		Rwandese Republic	—	
Benin (Republic of)	S		Jordan (Hashemite Kingdom of)	S		San Marino (Republic of)	S	
Botswana (Republic of)	S		Kenya (Republic of)	S		Sao Tome and Principe (Democratic Republic of)	—	
Bulgaria (Republic of)	S		Kuwait (State of)	S		Senegal (Republic of)	S	
Burkina Faso	S	A 2)	Lesotho (Kingdom of)	S		Sierra Leone	—	
Burundi (Republic of)	—		The Former Yugoslav Republic of Macedonia	—	A	Somali Democratic Republic	—	
Cameroon (Republic of)	S		Lebanon	—		Sudan (Republic of the)	—	
Cape Verde (Republic of)	—		Liberia (Republic of)	—		South Africa (Republic of)	—	A
Central African Republic	—		Libya (Soc. People's Libyan Arab Jamahiriya)	S		Sweden	S	A
Cyprus (Republic of)	S		Liechtenstein (Princ. of)	S		Switzerland (Confederation of)	S	A
Vatican City State	S	A	Luxembourg	S		Swaziland (Kingdom of)	S	
Comoros (Islamic Federal Republic of the)	—		Madagascar (Rep. of)	—		Tanzania (United Republic of) ..	S	
Congo (Republic of the)	S		Malawi	—		Chad (Republic of)	S	
Côte d'Ivoire (Republic of)	S	A	Mali (Republic of)	S		Czech and Slovak Federal Republic	S	
Croatia (Republic of)	—	A	Malta	S		Togolese Republic	S	
Denmark	S	A	Morocco (Kingdom of)	S		Tunisia	S	
Djibouti (Republic of)	—		Mauritius (Republic of)	—		Turkey	S	
Egypt (Arab Republic of)	S	A	Mauritania (Islamic Republic of)	—		Ukraine	S	A
United Arab Emirates	—	A	Monaco (Principality of)	S		Yemen (Republic of)	S	
Spain	S	A 3)	Mongolia	S		Yugoslavia (Federal Republic of)	S	
Ethiopia (Fed. Dem. Rep. of)	—		Mozambique (Republic of)	—		Zaire (Republic of)	—	
Finland	S	A	Namibia (Republic of)	—		Zambia (Republic of)	S	
France	S	A 4)	Niger (Republic of the)	—		Zimbabwe (Republic of)	S	
Gabonese Republic	S		Nigeria (Federal Republic of) ...	—				
Gambia (Republic of the)	—		Norway	S				
Ghana	—							

*) In the alphabetical order of the French version of the country names.

1) See Notification No. 1235.

2) In approving the Agreement, this Administration confirmed the statements made at the time of signature.

3) In approving the Agreement, the Government of Spain confirmed the statements made at the time of signature.

4) In approving the Agreement, the Government of France announced that it did not maintain the declaration made at the time of signing.

**Table V. Regional Agreement concerning the Maritime Mobile
and the Aeronautical Radionavigation Services in the MF Band (Region 1)
(Geneva, 1985) *)**

S = Signature; A = Approval or Accession

1	2	3	1	2	3	1	2	3
Albania (Republic of).....	—		Guinea-Bissau (Rep. of)	—		Poland (Republic of)	S	
Algeria (People's Dem. Rep. of)	S		Equatorial Guinea (Rep. of).....	—		Portugal	S	
Germany (Federal Republic of)	S	A	Hungary (Republic of).....	S	A	Qatar (State of)	S	
Angola (Republic of).....	S		Iraq (Republic of)	S		Syrian Arab Republic.....	—	
Saudi Arabia (Kingdom of).....	S	A	Ireland	S		Romania	S	
Austria	S		Iceland	—		United Kingdom of Great Britain and Northern Ireland	S	
Bahrain (State of)	S		Israel (State of)	S		Russian Federation	S	A
Belarus (Republic of)	—		Italy	S	A	Rwandese Republic.....	—	
Belgium.....	S		Jordan (Hashemite Kingdom of)	—		San Marino (Republic of).....	—	
Benin (Rep. of).....	S		Kenya (Republic of)	S		Sao Tome and Principe (Democratic Republic of)....	—	
Botswana (Rep. of).....	—		Kuwait (State of).....	S		Senegal (Republic of).....	—	A
Bulgaria (Rep. of).....	S		Lesotho (Kingdom of)	—		Sierra Leone	—	
Burkina Faso	—	A	Lebanon	—		Somali Democratic Republic ...	—	
Burundi (Rep. of)	—		Liberia (Republic of)	—		Sudan (Republic of the)	—	
Cameroon (Republic of).....	S		Libya (Socialist People's Libyan Arab Jamahiriya).....	S		South Africa (Republic of).....	—	A
Cape Verde (Republic of)	—		Liechtenstein (Princ. of)	—	A	Sweden	S	A
Central African Republic	—		Lithuania (Republic of)	—	A	Switzerland (Confederation of)	S	A
Cyprus (Rep. of).....	S		Luxembourg.....	—		Swaziland (Kingdom of)	—	
Vatican City State	—		Madagascar (Republic of).....	S		Tanzania (United Republic of)..	—	
Comoros (Islamic Federal Republic of the).....	—		Malawi	—		Chad (Republic of).....	S	
Congo (Rep. of the).....	—		Mali (Republic of)	—		Czech and Slovak Federal Republic	S	
Côte d'Ivoire (Rep. of).....	S	A	Malta	S		Togolese Republic.....	—	
Croatia (Republic of).....	—	A	Morocco (Kingdom of).....	S		Tunisia.....	S	
Denmark.....	S	A	Mauritius (Republic of)	—		Turkey	S	
Djibouti (Rep. of).....	—		Mauritania (Islamic Republic of).....	—		Ukraine.....	—	
Egypt (Arab Republic of).....	S		Monaco (Principality of).....	S		Yemen (Republic of).....	—	
United Arab Emirates.....	—		Mongolia.....	—		Yugoslavia (Federal Republic of).....	S	
Spain	S	A	Mozambique (Republic of).....	—		Zaire (Republic of).....	—	
Ethiopia (Fed. Dem. Rep. of) ...	—		Namibia (Republic of)	—		Zambia (Republic of)	—	
Finland	S		Niger (Republic of the)	—		Zimbabwe (Republic of)	—	
France.....	S	A	Nigeria (Federal Republic of)...	—				
Gabonese Republic	—		Norway	S				
Gambia (Rep. of the).....	—		Oman (Sultanate of).....	S				
Ghana	S		Uganda (Republic of)	—				
Greece	S		Netherlands (Kingdom of the)..	S	A			
Guinea (Rep. of).....	S							

*) In the alphabetical order of the French version of the country names.

Table VI. American Regional Agreements

S = Signature; A = Approval or Accession; R = Ratification.

Members *)	Inter-American Radio Agreement (FIAR) (Washington, 1949)		North-American Regional Broadcasting Agreement (NARBA) (Washington, 1950)		Regional Agreement for the MF Broadcasting Service in Region 2 (Rio de Janeiro, 1981)		Regional Agreement concerning the Use of the Band 1605 - 1705 kHz in Region 2 (Rio de Janeiro, 1988)	
	2	3	4	5	6	7	8	9
Antigua and Barbuda.....	—		—		—		S	
Argentine Republic.....	S		—		S	A 4)	S	
Bahamas (Commonwealth of the).....	—		—		S		—	
Barbados.....	—		—		—		S	
Belize.....	—		—		S		—	
Bolivia (Republic of).....	S		—		—		—	
Brazil (Federative Republic of).....	S		—		S	A	S	
Canada.....	S		S	2)	S	A	S	R
Chile.....	S		—		S		S	
Colombia (Republic of).....	S		—		S		S	
Costa Rica.....	S	A	—		S		S	
Cuba.....	S		S	1)	—		S	
Denmark.....	—		—		S	A	—	A
Dominican Republic.....	S	A	S	R	—		—	
El Salvador (Republic of).....	S		—		—		—	
Ecuador.....	S		—		S		—	
United States of America.....	S	A	S	R	S	A 5)	S	A 5)
France.....	—		—		S	A	S	A
Grenada.....	—		—		S		—	
Guatemala (Republic of).....	S		—		—		—	
Guyana.....	—		—		S		—	
Haiti (Republic of).....	—	A	—		—		S	
Honduras (Republic of).....	S	A	—		—		S	
Jamaica.....	—		—		S		—	
Mexico.....	S	A	—		S		S	
Nicaragua.....	S	A	—		S		—	
Panama (Republic of).....	S		—		S		—	
Paraguay (Republic of).....	—	A	—		S		S	
Netherlands (Kingdom of the).....	—		—		S	A 3)	—	A 3)
Peru.....	—		—		S		—	
United Kingdom of Great Britain and Northern Ireland.....	—		S	R	S		S	
Saint Vincent and the Grenadines.....	—		—		—		—	
Suriname (Republic of).....	—		—		—	A	S	
Trinidad and Tobago.....	—		—		S		S	
Uruguay (Eastern Republic of).....	S		—		S		S	
Venezuela (Republic of).....	S		—		S		S	

*) In the alphabetical order of the French version of the country names.

1) The Government of Cuba has denounced this Agreement with effect from 3 November 1981.

2) The Government of Canada has denounced this Agreement with effect from 17 February 1985.

3) For the Netherlands Antilles and Aruba.

4) In approving the Agreement, the Argentine Government confirmed the statements contained in No. 2 (paragraphs A.1, A.2, A.3, B and C) of the Final Protocol to the Agreement and also declared the following (translation):

"Furthermore, the United Nations General Assembly adopted Resolutions 2065 (XX), 3160 (XXVIII), 31/49, 37/9, 38/12, 39/6, 40/21 and 41/40 recognizing the existence of a sovereignty dispute relating to the question of the Malvinas Islands and urging the Argentine Republic and the United Kingdom of Great Britain and Northern Ireland to conduct negotiations with a view to resolving the dispute peacefully and definitively through the good offices of the Secretary-General of the United Nations, who was asked to report to the General Assembly on the progress made."

5) This approval was given subject to the declarations made at the time of signature.

Table VII. European Regional Agreements and Protocol

S = Signature; A = Approval or Accession; R = Ratification.

Members *)	Regional Agreement in the bands 68 - 73 MHz and 76 - 87.5 MHz (Geneva, 1960) **)		Regional Agreement for the European Broadcasting Area (Stockholm, 1961)		Protocol amending the Stockholm Agreement (Geneva, 1985)		Regional Agreement concerning Maritime Radiobeacons (Geneva, 1985) ***)	
1	2	3	4	5	6	7	8	9
Albania (Republic of).....	S	—	—	—	—	—	—	—
Algeria (People's Democratic Republic of)	—	—	—	—	—	—	S	—
Germany (Federal Republic of).....	S	A	S	A 3)	S	A 5)	S	A 5)
Andorra (Principality of).....	—	—	—	A	—	A	—	—
Saudi Arabia (Kingdom of)	—	—	—	—	—	—	—	—
Austria	S	A	S	A	S	A	S	—
Belarus (Republic of)	S	—	S	A 2)	S	A	—	—
Belgium	—	—	S	A	—	A	S	—
Bulgaria (Republic of).....	S	—	S	—	—	—	S	—
Cyprus (Republic of).....	—	—	S	A	—	—	S	—
Vatican City State.....	—	—	S	A	S	A	—	—
Croatia (Republic of).....	—	—	—	A	—	A	—	A
Denmark	S	A	S	—	S	—	S	A
Egypt (Arab Republic of)	—	—	—	—	S	—	—	—
Spain	—	—	S	A 1)	S	A	S	A
Finland.....	—	—	S	A	S	A	S	A
France	S	A	S	A	S	A	S	A
Greece.....	S	—	S	A	S	A	S	—
Hungary (Republic of).....	S	A	S	A	S	—	S	A
Iraq (Republic of)	—	—	—	—	—	—	—	—
Ireland.....	—	—	S	A	S	—	S	—
Iceland	—	—	S	A	—	A	—	—
Israel (State of)	—	—	S	—	S	—	S	—
Italy.....	S	A	S	A	S	—	S	A
Jordan (Hashemite Kingdom of)	—	—	—	—	—	—	—	—
The Former Yugoslav Republic of Macedonia	—	—	—	A	—	A	—	—
Lebanon.....	—	—	S	—	—	—	—	—
Libya (Soc. People's Libyan Arab Jamahiriya)	—	—	—	—	—	—	S	—
Liechtenstein (Principality of).....	—	—	—	—	—	—	—	—
Lithuania (Republic of)	—	—	—	—	—	—	—	A
Luxembourg	—	—	S	—	S	—	—	—
Malta.....	—	—	—	—	S	—	S	—
Morocco (Kingdom of).....	—	—	S	A	—	A	S	—
Monaco (Principality of)	—	—	S	—	S	—	S	—
Norway	S	A	S	A	S	A	S	—
Netherlands (Kingdom of the).....	—	—	S	A	S	A	S	A
Poland (Republic of).....	S	—	S	—	S	—	S	—
Portugal	—	—	S	A	S	—	S	—
Syrian Arab Republic	—	—	—	—	—	—	—	—
Romania.....	S	A	S	—	S	—	S	—
United Kingdom of Great Britain and Northern Ireland	—	—	S 4)	A 4)	S	—	S	—
Russian Federation	S	A	S	A 2)	S	A 6)	S	A
San Marino (Republic of).....	—	—	—	A	S	—	—	—
Slovenia (Republic of).....	—	—	—	7)	—	7)	—	—
Sweden	S	A	S	A	S	A	S	A
Switzerland (Confederation of)	S	A	S	A	S	A	—	A
Czech and Slovak Federal Republic.....	S	A	S	—	S	—	S	—
Tunisia.....	—	—	—	—	S	—	S	—
Turkey	S	—	S	—	S	—	S	—
Ukraine	S	A	S	A 2)	S	A	—	—
Yugoslavia (Federal Republic of).....	S	—	S	A	S	A	S	—

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- *) In the alphabetical order of the French version of the country names.
- **) Regional Agreement for the use of frequencies in the bands 68 - 73 MHz and 76 - 87.5 MHz by the broadcasting service on the one hand and by the fixed and mobile services on the other (Geneva, 1960).
- ***) Regional Agreement for the Planning of Maritime Radionavigation Service (Radiobeacons) in the European Maritime Area (Geneva, 1985).
- 1) The Spanish Government has approved this Agreement while maintaining the three reservations which appear in paragraph I (A, B and C) of the Final Protocol.
- 2) (*translation*): "Considering that, when the plans for the assignment of frequencies to television stations in the 645 - 960 MHz band were established at the Stockholm Conference in 1961, the requirements of the air radionavigation services of the USSR, the Ukrainian SSR and the Byelorussian SSR were not sufficiently taken into consideration, and in view of the special nature of the air radionavigation services, the Telecommunication Administrations of the USSR, the Ukrainian SSR and the Byelorussian SSR cannot assure countries using this range for television of the necessary means to prevent interference from the air radionavigation services of the USSR, the Ukrainian SSR and the Byelorussian SSR."
- 3) In giving its approval, the Administration of the Federal Republic of Germany expressed the following considerations (*translation*):
"According to the frequency plan for television stations in the frequency band 162 - 230 MHz (Annex 2, Chapter 2, of the Agreement), the frequencies 224.25/229.75 MHz are assigned to the Sonneberg television station appearing in the plan with an effective radiated power of 30/6 kW and an effective radiated power of 5 kW for the television carrier permitted in the sector between 45 and 135 degrees.
This assignment is capable of causing harmful interference to the aeronautical radionavigation service stations which operate in the frequency band 223 - 235 MHz in accordance with Article 5 of the Radio Regulations, Geneva, 1959.
Harmful interference to stations operating in the frequency band 223 - 235 MHz, which is allocated to the aeronautical radionavigation service on a primary basis, can only be avoided if the effective radiated power of the Sonneberg television station does not exceed 0.5/0.1 kW in the sector between 135 and 345 degrees."
- 4) Also signed and approved on behalf of the Overseas Territories for the international relations of which the Government of the United Kingdom is responsible.
- 5) See Notification No. 1235.
- 6) In approving this Protocol, the Administration of the USSR confirmed the statements made at the time of signature.
- 7) By a communication received on 23 December 1993, the Government of the Republic of Slovenia notified its succession to this Agreement and this Protocol.

Table VIII. African Regional Agreements and Protocols

S = Signature; A = Approval or Accession.

Members*)	Geneva Agreement (1963)		Geneva Protocol (1985)		Geneva Protocol (1989)		Geneva Agreement (1989)	
	2	3	4	5	6	7	8	9
1								
Algeria (People's Democratic Republic of).....	—		—		S		S	
Angola (Republic of).....	—		—		—		—	
Saudi Arabia (Kingdom of).....							S	
Bahrain (State of).....							S	
Benin (Republic of).....	S		—		S		S	
Botswana (Republic of).....	—		S		—		S	
Burkina Faso.....	S	A	—	A	S	A	S	A
Burundi (Republic of).....	—		S		—		S	
Cameroon (Republic of).....	S		S		S		S	
Cape Verde (Republic of).....	—		—		—		—	
Central African Republic.....	—		—		—		—	
Comoros (Isl. Fed. Rep. of the).....	—		—		—		—	
Congo (Republic of the).....	S		—		S		S	
Côte d'Ivoire (Republic of).....	S	A	S	A	S		S	
Djibouti (Republic of).....	—		—		—		—	
Egypt (Arab Republic of).....	—	A	S		S		S	
United Arab Emirates.....							S	
Spain.....	S	A	S	A	S	A	S	A
Ethiopia (Federal Democratic Republic of).....	S	A	S		S		S	
France.....	S	A	S	A	S		S	
Gabonese Republic.....	S		S		S		S	
Gambia (Republic of the).....	—		—		—		—	
Ghana.....	S		S		S		S	
Guinea (Republic of).....	S		—		—		S	
Guinea-Bissau (Republic of).....	—		—		—		—	
Equatorial Guinea (Republic of).....	—		—		—		—	
Iran (Islamic Republic of).....							S	
Iraq (Republic of).....							S	
Kenya (Republic of).....	S	A	S	A	S		S	
Kuwait (State of).....							S	
Lesotho (Kingdom of).....	—		—		—		S	
Liberia (Republic of).....	S		—		S		S	
Libya (Socialist People's Libyan Arab Jamahiriya)	S		—		S		S	
Madagascar (Republic of).....	S		S		S		S	
Malawi.....	—		—		—		S	
Mali (Republic of).....	S		—		S		S	
Morocco (Kingdom of).....	—		—		S		S	
Mauritius (Republic of).....	—		—		S		S	
Mauritania (Isl. Republic of).....	S		—		S		S	
Mozambique (Republic of).....	—		—		S		S	
Namibia (Republic of).....	—		—		—		—	
Niger (Republic of the).....	S		—		—		S	
Nigeria (Federal Republic of).....	S	A	—		S		S	
Oman (Sultanate of).....							S	
Uganda (Rep. of).....	S	A	—		—		—	
Qatar (State of).....							S	

Table VIII (continued)

Members*)	Geneva Agreement (1963)		Geneva Protocol (1985)		Geneva Protocol (1989)		Geneva Agreement (1989)	
1	2	3	4	5	6	7	8	9
United Kingdom of Great Britain and Northern Ireland.....	S		S		—		—	
Rwandese Republic.....	S		—		—		S	
Sao Tome and Principe (Dem. Rep. of).....	—		—		—		—	
Senegal (Republic of).....	S	A	S		S		S	
Sierra Leone.....	S	A	—		—		—	
Somali Democratic Republic.....	S		—		—		—	
Sudan (Republic of the).....	—		—		—		—	
South Africa (Republic of).....	S	A	—	A	—	A	—	A
Swaziland (Kingdom of).....	—		—		S		S	
Tanzania (United Republic of).....	S	A	—		—		—	
Chad (Republic of).....	S		—		S		S	
Togolese Republic.....	S		S		—		S	
Yemen (Republic of).....							S	
Zaire (Republic of).....	S		—		—		—	
Zambia (Republic of).....	—		S		S		S	
Zimbabwe (Republic of).....	—		—		S		S	

*) In the alphabetical order of the French version of the country names.

**IX. List of Members which have signed the Final Acts of the
World Radiocommunication Conference (WRC-95), Geneva, 1995**

The Final Acts of the World Radiocommunication Conference (WRC-95), Geneva, 1995, were signed by the following Members
(in the alphabetical order of the French version of the country names):

Albania (Republic of)	Japan
Algeria (People's Democratic Republic of)	Jordan (Hashemite Kingdom of)
Germany (Federal Republic of)	Kazakstan (Republic of)
Andorra (Principality of)	Kenya (Republic of)
Angola (Republic of)	Kuwait (State of)
Saudi Arabia (Kingdom of)	Lesotho (Kingdom of)
Argentine Republic	Latvia (Republic of)
Armenia (Republic of)	The Former Yugoslav Republic of Macedonia
Australia	Lebanon
Austria	Liberia (Republic of)
Bahrain (State of)	Libya (Socialist People's Libyan Arab Jamahiriya)
Bangladesh (People's Republic of)	Liechtenstein (Principality of)
Belarus (Republic of)	Lithuania (Republic of)
Belgium	Luxembourg
Brazil (Federative Republic of)	Malaysia
Brunei Darussalam	Maldives (Republic of)
Bulgaria (Republic of)	Mali (Republic of)
Burkina Faso	Malta
Burundi (Republic of)	Morocco (Kingdom of)
Cameroon (Republic of)	Mauritius (Republic of)
Canada	Mexico
Cape Verde (Republic of)	Micronesia (Federated States of)
Central African Republic	Moldova (Republic of)
Chile	Monaco (Principality of)
China (People's Republic of)	Mongolia
Cyprus (Republic of)	Namibia (Republic of)
Vatican City State	Nepal
Colombia (Republic of)	Nigeria (Federal Republic of)
Korea (Republic of)	Norway
Croatia (Republic of)	New Zealand
Cuba	Oman (Sultanate of)
Denmark	Uganda (Republic of)
Djibouti (Republic of)	Uzbekistan (Republic of)
Egypt (Arab Republic of)	Pakistan (Islamic Republic of)
United Arab Emirates	Papua New Guinea
Ecuador	Paraguay (Republic of)
Spain	Netherlands (Kingdom of)
Estonia (Republic of)	Peru
United States of America	Philippines (Republic of the)
Ethiopia (Federal Democratic Republic of)	Poland (Republic of)
Finland	Portugal
France	Qatar (State of)
Gabonese Republic	Syrian Arab Republic
Ghana	Kyrgyz Republic
Greece	Democratic People's Republic of Korea
Guinea (Republic of)	Slovak Republic
Hungary (Republic of)	Czech Republic
India (Republic of)	Romania
Indonesia (Republic of)	United Kingdom of Great Britain and Northern Ireland
Iran (Islamic Republic of)	Russian Federation
Ireland	San Marino (Republic of)
Iceland	Senegal (Republic of)
Israel (State of)	Sierra Leone
Italy	Singapore (Republic of)
Jamaica	Slovenia (Republic of)

Annex I

**Position of Members in relation to the
Acts of the Union**

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Sudan (Republic of the)
Sri Lanka (Democratic Socialist Republic of)
South Africa (Republic of)
Sweden
Switzerland (Confederation of)
Suriname (Republic of)
Swaziland (Kingdom of)
Tanzania (United Republic of)
Chad (Republic of)
Thailand

Togolese Republic
Tonga (Kingdom of)
Trinidad and Tobago
Tunisia
Turkey
Ukraine
Viet Nam (Socialist Republic of)
Yemen (Republic of)
Zambia (Republic of)
Zimbabwe (Republic of)

X. Special Agreements

Special Agreement for use of the 582 - 606 MHz band for radionavigation purposes (Brussels, 1962)

This Agreement was concluded between the following Administrations: Federal Republic of Germany, Belgium, Denmark, France, Kingdom of the Netherlands, United Kingdom of Great Britain and Northern Ireland and Confederation of Switzerland.

Special Agreement concerning the use of frequencies for additional low-power television transmitters operating in the ultra high-frequency range (Band IV, 472 - 582 MHz and Band V, 582 - 960 MHz) in the frontier areas (Karlsruhe, 1966)

This Agreement was concluded between the following Administrations: Federal Republic of Germany, Austria, Belgium, France, Italy, Luxembourg and Kingdom of the Netherlands.

This Agreement was approved without reservation by all these Administrations.

Special Agreements concerning the coordinated use of frequencies between 29.7 and 470 MHz by the fixed and land mobile services

Agreement signed at Vienna on 25 April 1969 by the following Administrations: Austria, Hungarian People's Republic and Czechoslovak Socialist Republic.

This Agreement, which was approved without reservation by these Administrations, came into force on 1 January 1970.

Agreement signed at Budapest on 1 July 1976 by the following Administrations: Hungarian People's Republic and Socialist Federal Republic of Yugoslavia.

This Agreement became effective sixty days after signing.

Agreement signed at Athens on 23 June 1979 by the following Administrations: Greece and Socialist Federal Republic of Yugoslavia.

This Agreement, which was ratified by these Administrations, came into force on 1 January 1980.

Agreement signed by the following Administrations: Socialist Republic of Romania and Socialist Federal Republic of Yugoslavia.

This Agreement came into force on 10 February 1981.

**Special Agreements concerning the coordinated use of frequencies
between 29.7 and 960 MHz by the fixed and land mobile services**

Agreement signed at Vienna on 23 September 1976 by the following Administrations: Austria and Socialist Federal Republic of Yugoslavia.

This Agreement, which was approved without reservations by these Administrations, came into force on 1 January 1977.

Agreement signed at Vienna on 24 January 1986 by the following Administrations: Austria, Federal Republic of Germany, Belgium, France, Italy, Luxembourg, the Kingdom of the Netherlands and the Confederation of Switzerland.

By a letter dated 4 February 1991, the Austrian Administration notified that the Administrations of the Republic of Hungary and the Czech and Slovak Federal Republic had adhered to the Agreement.

By a letter dated 30 March 1993, the Austrian Administration notified that the Administrations of the Republic of Croatia and the Republic of Slovenia had adhered to the Agreement.

This Agreement came into force on 1 January 1989.

**Regional Arrangement concerning the Rhine radiotelephone service
(Munich, 1976)**

This Arrangement was concluded on 1 October 1976 between the Administrations of the following countries: Federal Republic of Germany, Belgium, France, Luxembourg, the Kingdom of the Netherlands and the Confederation of Switzerland.

The Arrangement, which was approved by all the said Administrations (with some reservations on the part of the Netherlands Administration), came into force on 1 April 1977.

In addition, the Administration of the United Kingdom of Great Britain and Northern Ireland became a participating Administration under the provisions of Article 9 of the Arrangement.

Special Agreement concerning the use of the band 174 - 225 MHz

One such Agreement was signed at Paris on 10 April 1984 between the Administrations of France and the United Kingdom of Great Britain and Northern Ireland.

This Agreement came into force on 10 May 1984.

**Protocol of Agreement concerning the bringing into service
of broadcasting frequency assignments appearing in the Geneva Plan (1984)
in the band 104 - 108 MHz**

This Protocol of Agreement was signed at Geneva on 7 December 1984 by the delegates of the Administrations of France and the United Kingdom of Great Britain and Northern Ireland on the one hand, and the Administrations of the Federal Republic of Germany, Belgium, Ireland, Italy, Luxembourg, Monaco, the Kingdom of the Netherlands and the Confederation of Switzerland on the other hand.

The provisions of the Protocol of Agreement came into force on 1 January 1986.

**Protocol of Agreement concerning criteria of sharing
between different services in the band 174 - 225 MHz**

This Protocol of Agreement was signed at Geneva on 27 November 1984 by the delegates of the Administrations of the Kingdom of the Netherlands and of the United Kingdom of Great Britain and Northern Ireland.

The provisions of this Protocol of Agreement came into force on 27 December 1984.

**Special Agreement concerning implementation of the
broadcasting service in frequency band 104 - 108 MHz**

This Agreement was signed at Copenhagen on 29 January 1986 by delegates of the Administrations of the Federal Republic of Germany, Denmark, the People's Republic of Poland, Sweden and the USSR.

The Agreement contains details of frequency usage that can be implemented in the time period mentioned in Resolution 3 of the RAC for the Planning of VHF Sound Broadcasting (Region 1 and part of Region 3) (Geneva, 1984).

**Special Agreement concerning the assignment and use
of frequency-modulated sound-broadcasting channels
in the VHF band 88 - 108 MHz**

This Agreement was signed at Montevideo on 8 July 1980 by the representatives of the Administrations of the Argentine Republic, the Federative Republic of Brazil and the Eastern Republic of Uruguay.

Note: The terms of the Agreement were received by the General Secretariat on 10 June 1987.

**Memorandum of Understanding concerning the frequency coordination
of FM Sound Broadcasting stations in the band 87.5 - 108 MHz and
Aeronautical Radionavigation stations in the band 108 - 117.975 MHz**

This Memorandum of Understanding was signed at Malaga-Torremolinos on 12 February 1992 by the Administrations of Belgium, Ireland, the Kingdom of the Netherlands and the United Kingdom of Great Britain and Northern Ireland.

The provisions of this Memorandum of Understanding entered into force on 1 July 1992.

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ANNEX 2.

Statement of income and expenditure and changes in the reserves

Statement of income and expenditure
and changes in the reserves

ORDINARY BUDGET

STATEMENT OF INCOME AND EXPENDITURE AND CHANGES IN THE RESERVES
for the period ending 31 December 1995

INCOME	- Swiss francs -		
	Final Budget 1995	Income 1995	Income 1994
Assessed contributions:			
Contributions by Members of the Union	123,873,750	125,028,750.00	119,959,350.00
Contributions by members of the Sectors:			
- Radiocommunication Sector	6,072,000	6,820,000.00	6,157,900.00
- Telecommunication Standardization Sector	10,560,000	11,791,730.00	10,828,860.00
- Telecommunication Development Sector	1,122,000	1,598,437.50	1,197,997.50
Total assessed contributions	141,627,750	145,238,917.50	138,144,107.50
Other income:			
- Support cost income	2,872,000	2,828,560.00	*)
- Plenipotentiary Conference 1994			32,100.00
- World Development Conference 1994			32,377.30
- World Radio Conference 1995		53,000.00	
- Miscellaneous and unforeseen income	19,250	1,261,230.64	341,064.28
Total other income	2,891,250	4,142,790.64	405,541.58
Withdrawal from the Reserve for Debtors' Accounts		292,049.95	
Withdrawals from the Reserve Account	8,997,711	8,997,711.00	10,062,641.80
TOTAL INCOME	153,516,711	158,671,469.09	148,612,290.88
EXPENDITURE	Final Budget 1995	Expenditure 1995	Expenditure 1994
General Secretariat	65,061,610	63,571,856.40	
Radiocommunication Sector	38,369,967	34,888,415.17	
Telecommunication Standardization Sector	19,132,359	17,926,807.33	
Telecommunication Development Sector	30,952,775	26,823,894.93	**)
	153,516,711	143,210,973.83	141,918,270.72
Cancellation of bad debts		292,049.95	107,241.80
TOTAL EXPENDITURE	153,516,711	143,503,023.78	142,025,512.52
EXCESS OF INCOME OVER EXPENDITURE	0	15,168,445.31	6,586,778.36
MOVEMENTS OF THE RESERVE ACCOUNT		Movements 1995	Movements 1994
Balance of the account for payments granted for prior years		1,373,214.92	631,449.20
Transfer from the Publications Capital Account			1,679,000.00
Surplus balance of the Interest Account		3,701,349.02	3,364,970.38
Total transfers to the Reserve Account		5,074,563.94	5,675,419.58
Withdrawal foreseen in the Budget	-9,600,000	- 9,600,000.00	- 5,100,000.00
Transfer to cover the additional appropriations - Res. 647	602,289	602,289.00	- 4,130,400.00
Withdrawal to cover the additional appropriations - Res. 1064			- 725,000.00
Withdrawal to cover the cancellation of bad debts			- 107,241.80
Total withdrawals from the Reserve Account	- 8,997,711	- 8,997,711.00	-10,062,641.80
Excess of income over expenditure		15,168,445.31	6,586,778.36
Balance of the Reserve Account on 1 January		22,286,489.08	20,086,932.94
BALANCE OF THE RESERVE ACCOUNT on 31 December		33,531,787.33	22,286,489.08

*) the support cost income in 1994, 2,975,068.00 Swiss francs, was not included in the Ordinary budget but in the Technical Cooperation Special Accounts Budget.

**) the expenditure related to the implementation of technical cooperation programs and projects in the Technical Cooperation Special Accounts Budget was 4,760,470.44 Swiss francs in 1994..

Statement of income and expenditure
and changes in the reserves

PUBLICATIONS BUDGET

STATEMENT OF INCOME AND EXPENDITURE AND CHANGES IN THE RESERVES
for the period ending 31 December 1995

INCOME	- Swiss francs -		
	Final Budget 1995	Income 1995	Income 1994
Revenue producing activities:			
Sale of publications			
General Secretariat	130,000	226,732.83	
Radiocommunication Sector	5,300,000	5,383,070.70	
Telecommunication Standardization Sector	4,700,000	4,755,164.95	
Telecommunication Development Sector	0	409,032.60	
Other	49,000	824,058.62	
TOTAL INCOME	10,179,000	11,598,061.70	12,713,812.64
EXPENDITURE	Final Budget 1995	Expenditure 1995	Expenditure 1994
Production cost of publications (including dispatch and mailing):			
General Secretariat	61,000	453,036.20	
Radiocommunication Sector	3,847,000	3,949,839.88	
Telecommunication Standardization Sector	4,379,000	4,618,617.25	
Telecommunication Development Sector	111,000	588,995.56	
Total production costs	8,398,000	9,610,488.89	9,182,009.33
Overheads	1,681,000	1,819,578.02	
Other expenditure	100,000	137,268.61	124,542.44
TOTAL EXPENDITURE	10,179,000	11,567,335.52	9,306,552.37**)
EXCESS OF INCOME OVER EXPENDITURE	0	30,726.18	3,407,260.27
MOVEMENTS OF THE PUBLICATIONS CAPITAL ACCOUNT		Movements 1995	Movements 1994
Transfer to the Reserve Account - Decision 455			- 1,679,000.00
Amortization of the stock of publications and paper for printing		- 1,630,241.00	
Total withdrawals from the Publications Capital Account		- 1,630,241.00	- 1,679,000.00
Excess of income over expenditure		30,726.18	3,407,260.27
Balance of the Publications Capital Account on 1 January		6,531,615.33	4,803,355.06
BALANCE OF THE PUBLICATIONS CAPITAL ACCOUNT on 31 December		4,932,100.51	6,531,615.33

*) including additional appropriations

**) including overheads

BALANCE SHEET ON 31 DECEMBER 1995				- Swiss francs -	
ASSETS				31.12.1995	31.12.1994
<u>Liquid assets</u>					
- Sight funds				23'744'366.04	19'637'426.34
- Portfolio				454'614.30	895'086.02
- Fixed term deposits				91'450'000.00	104'390'000.00
				115'648'980.34	124'922'512.36
<u>Advances</u>				1'450'185.55	1'186'417.75
<u>Debtors</u>					
- Arrears, contributions and publications				34'096'451.50	28'963'844.25
- Current, contributions and publications				11'262'206.85	12'026'006.95
- Special arrears accounts, Res. 10 PP Torremolinos 1973				2'768'972.62	2'768'972.62
- Special arrears accounts, Res. 53 PP Nairobi 1982				1'142'623.10	1'142'623.10
- Special arrears accounts, Res. 38 PP Nice 1989				2'289'183.02	2'304'488.15
- Special arrears accounts, Res. 42 PP Kyoto 1994				270'611.80	296'129.00
- Others				2'117'741.52	2'581'678.09
				53'947'790.41	50'083'742.16
<u>Current accounts</u>					
- Telecom				1'035'983.59	287'373.72
- Voluntary contributions in Swiss francs				46'887.80	0.00
- Superannuation and Benevolent Funds				12'968.75	0.00
				1'095'840.14	287'373.72
<u>Suspense accounts</u>					
- 1995 income to be received in 1996				462'535.45	681'136.53
- 1996 expenses paid in 1995				2'155'093.10	2'146'817.95
				2'617'628.55	2'827'954.48
<u>Sundry stocks</u>				1.00	
- Stores, reprography and technical services	value	887'000.00			772'000.00
- Paper for printing	value	62'000.00			94'000.00
- Publications	value	1'881'000.00			1'536'241.00
- Publications in printing	value	0.00			637'265.65
				1.00	3'039'506.65
<u>Fixed assets</u>					
- Varembe building	Purchase value	5'000'000.00			
	Insured value	30'443'400.00	1.00	1.00	
- Tower building	Purchased value	24'488'000.00			
	Insured value	46'423'900.00	6'250'890.00	7'393'980.00	
- Building extensions	Construc. value	21'060'000.00			
	Insured value	26'033'500.00	19'743'330.00	19'743'330.00	
- Furniture and equipment	Insured value	22'000'000.00	1.00	1.00	
- Construction of the new "Montbrillant Building"			2'171'921.74	492'800.33	
			28'166'143.74	27'630'112.33	
<u>Assets to be amortized</u>					
- Excess expenditure in Techn. cooperation special accounts			0.00	1'549'132.28	
- Special interest account, Res. 1007, Council 1990			0.00	405'336.90	
- Special interest account, Res. 42, PP Kyoto 1994			0.00	278'97.75	
- Expenditure for the air-cooling of Varembe Building			2'872'409.58	1'116'544.00	
			2'872'409.58	3'098'910.93	
			205'798'979.31	213'076'530.38	

BALANCE SHEET ON 31 DECEMBER 1995		
- Swiss francs -		
LIABILITIES	31.12.1995	31.12.1994
<u>External funds</u>		
- Advances from the Government of the Swiss Confederation	0.00	0.00
- Advances from FIPOI for construction of the Tower building	6'250'890.00	7'393'980.00
- Advances from FIPOI for construction of the building extensions	19'743'330.00	19'743'330.00
- Creditors and depositors	5'059'643.15	5'761'845.55
- 1996 contributions paid in advance	90'622'599.95	114'675'451.10
	121'676'463.10	147'574'606.65
<u>Current accounts</u>		
- Technical cooperation special accounts	888'310.29	99'047.83
- Special fund for technical cooperation	3'188.56	17'083.86
	891'498.85	116'131.69
<u>Suspense Accounts</u>		
- 1995 expenses to be paid in 1996	1'836'981.61	1'996'724.65
- 1996 income received in 1995	561'278.32	272'90.18
	2'398'259.93	2'024'014.83
<u>Accounts for payments granted for previous years</u>	797'5676.34	5'514'949.23
<u>Special funds</u>		
- Exhibition Working Capital Fund	6'620'958.85	3'871'253.58
- Buildings Upkeep fund	777'267.65	682'346.52
- ITU Restaurant/Cafeteria/Bar Upkeep Fund	245'143.75	180'322.50
- Staff Welfare Fund	218'932.51	182'998.93
- ITU Centenary Prize Fund	681'767.15	693'098.20
- Operational Fund at the Disposal of the Council	0.00	18'355.10
- Reserve for Installation and Repatriation	3'323'943.99	2'990'884.89
- Reserve for Debtors' Accounts	20'392'079.35	18'337'601.25
- Provision for indemnities to be paid	295'180.00	295'180.00
	32'555'273.25	27'252'040.97
<u>Capital</u>		
- Reserve Account	33'531'787.33	22'286'489.08
- Publications Capital Account	4'932'100.51	6'531'615.33
- Stores, reprography and technical services Capital Account	0.00	857'722.60
- Financing of the air-cooling of Varembe Building	1'837'920.00	918'960.00
	40'301'807.84	30'594'787.01
	205'798'979.31	213'076'530.38

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ANNEX 3

1995 List of publications *

* Revised version.

Annex 3 - 1995 List of publications

17-Jun-95

PUBLICATION TITLE		Edition	SUPPORT					No. of copies						Total number of copies	Number of publications	Number of pages by language	Total Number of pages
			Paper	Micro	Diskette	CD	Online	E	F	S	A	R	C				
BDT																	
412/95	ABU-FES-ITU Seminar, Kuala Lumpur, Malaysia	1995	PA				300							300	1	446	446
413/95	World Telecommunication Indicators Database	(2nd Edition) - 2.4, 1995			DI							50		50	1	1	1
11/95		edition 2.2 1995			DI							50		50	1	1	1
150/95	World Telecommunication Development Conference - Reference Documents	Vol. II, 1994	PA				1100	350	300					1750	3	973	2920
401/95	World Telecommunication Development Conference - Final Report	Vol. I, 1994	PA							50	465			515	2	178	356
361/95	Brochure - 3 sheets	1995	PA				1000							1000	1	6	6
3/95	Direction of Traffic	1994	PA									135		135	1	120	120
482/95	World Telecommunication indicators	1994/95	PA				400	1500	500					2400	3	72	216
406/95	Telecommunication Indicators for the Least Developed Countries	1st edition, 1995	PA									550		550	1	134	134
4/95	World Telecommunication indicators	1995	PA				400	100	50					550	3	72	216
6/95	Telecommunication Indicators for the Least Developed Countries	1st edition, 1995	PA						500					500	1	134	134
10/95	Asia-Pacific Telecommunication Indicators	2nd edition 1995	PA				100							100	1	132	132
7/95	World Telecommunication Development Report	2nd edition 1995	PA				3200							3200	1	248	248
8/95	Summary World Telecommunication Development Report	1995	PA				2000	1500	500					4000	3	16	48
BR																	
515/95	Handbook Radiocommunication Bureau	Books 1, 4 & 5, 1993								675				675	1	682	682
30/95	Handbook on Satellite Communications (Fixed-Satellite Service)	Supplement No.3, 1995	PA							100				100	1	228	228
442/95	12 Softwares for Radio Spectrum Management	1995			DI		2400							2400	1	12	12
27/95	Spectrum Monitoring Handbook (Brochure)	1995	PA				1500							1500	1	12	12
439/95	Catalogue of ITU-R Recommendations	1995	PA									1200		1200	1	72	72
486/95	Weekly Circulars (50 issues)	1995	PA									15000		15000	1	450	450
437/95		1995			MI							30000		30000	1	110	110
12/95	Folder "Radiocommunications Bureau"	1995	PA				2000	1000	500					3500	3	10	30
438/95	FPLMTS Brochure - IMT 2000	1995	PA							500				500	1	10	10
437/95		1995	PA					1000	1000					2000	3	33	100
435/95		1995	PA								500			500	1	8	8
22/95	List of Call Signs and Numerical Identities of Stations used by the Maritime Mobile and Maritime Mobile-Satellite Services (List VII A)	17th edition, 1995	PA									16000		16000	1	1080	1080
15/95	List of Call Signs and Numerical Identities of Stations used by the Maritime Mobile and Maritime Mobile-Satellite Services (List VIIA)	Supplement No.2 17th edition, 1995	PA									16000		16000	1	100	100
23/95	List of Call Signs and Numerical Identities of Stations used by the Maritime Mobile and Maritime Mobile-Satellite Services (List VII A)	Supplement No.1 17th edition, 1995	PA									16000		16000	1	84	84
19/95	International Frequency List (IFL)	edition 1995-1			MI							25		25	1	294	294
20/95		edition 1995-2			MI							25		25	1	297	297
17/95		edition 1995-1				CD						200		200	1	1	1
440/95		September, edition 1995-2				CD						150		150	1	1	1
443/95	Handbook on "National Spectrum Management"	1995	PA				450	200	100					750	3	180	542
444/95	Handbook on "Digital television signals: coding and interfacing within studios"	1995	PA				300	150	75					525	3	124	372
445/95	Handbook on Radio Astronomy	1995	PA				500	200	100					800	3	80	240

PUBLICATION TITLE	Edition	SUPPORT					No. of copies						Total number of copies	Number of publications	Number of pages by language	Total Number of pages
		Paper	Micro	Diskette	CD	Online	E	F	S	A	R	C	M			
28/95	Handbook on spectrum monitoring stations	1995	PA				850						850	1	456	456
100/95	Handbook on Satellite Communications (Fixed-Satellite Service)	Supplement No. 1 1991	PA								225		225	1	28	28
101/95		1988	PA								225		225	1	646	646
31/95	List of Coast Stations (List IV)	Supplement No.3 14th edition, 1993	PA									20100	20100	1	160	160
36/95	List of International Monitoring Stations, (List VIII)	8th edition, 1995	PA									400	400	1	156	156
32/95	List of Ship Stations (List V)	35th edition, 1995	PA									13500	13500	1	2970	2970
33/95		Supplement No.1, 35th edition, 1995	PA									13500	13500	1	192	192
34/95		Supplement No.2, 35th edition, 1995	PA									13500	13500	1	250	250
21/95		Supplement No.3, 34th edition, 1994	PA									13500	13500	1	132	132
35/95		Supplement No.3, 35th edition, 1995	PA									13500	13500	1	200	200
485/95	List of Radiodetermination and Special Service Stations (List VI)	12th edition, 1995	PA									16000	16000	1	1200	1200
484/95		Supplement No.2, 12th edition, 1995	PA									16000	16000	1	80	80
37/95		Supplement No.1 (Parts A & M), 12th edition, 1995	PA									16000	16000	1	36	36
414/95	Frequency Assignment Plans	September 1995			CD							150	150	1	1	1
38/95	Preface to the International Frequency List	Supplement No.1 (April 95), 1995-1	PA				400	200	100				700	3	176	528
39/95	Special Publication on Digital Sound Broadcasting (DSB)	1995	PA				1500	200	100				1800	3	367	1101
436/95	CPM Report - Conference Preparatory Meeting	1995	PA							50			50	1	282	282
497/95	Report by the Voluntary Group of Experts	1994										465	465	1	910	910
496/95		1994								50			50	1	566	566
501/95	Recommendation	RS Serie, 1992										465	465	1	324	324
79/95	Recommendations ITU-R 92	RPI Series	PA							50			50	1	184	184
95/95		RF Series, 1992	PA									465	465	1	314	314
495/95	Recommendations	1995			OL									3	3800	11400
42/95	ITU-R Recommendations	SG 10/11R, 1994	PA				600	150	100				850	3	104	312
43/95		BS Report Series (SG 11), 1994	PA				400	150	100				650	3	152	456
44/95		BT Report Series (SG 11), 1994	PA				400	150	100				650	3	64	192
45/95		BO Report Series (SG10-11), 1994	PA				400	150	100				650	3	304	912
46/95		BO 2006/2007/2008 Series, 1994	PA				350	175	75				600	3	48	144
47/95		BS Series (SG 10), 1994	PA				600	150	100				850	3	316	948
48/95		BS 2004 Series, 1994	PA				350	175	75				600	3	16	48
49/95		BT Series (SG 11), 1994	PA				600	150	100				850	3	444	1332
50/95		BT 2005 Series, 1994	PA				350	175	130				655	3	8	24
52/95		F Series (Part 2), 1994	PA				600	150	100				850	3	184	552
51/95		F Series (Part 1), 1994	PA				600	150	150				900	3	444	1332
418/95		IS Series (SG 2), 1994	PA							50		465	515	2	144	289
53/95		M Series (Part 1), 1994	PA				350	175	75				600	3	56	168
54/95		M Series (Part 3), 1994	PA				350	175	75				600	3	32	96
55/95		PI Series (SG 3), 1994	PA				600	150	100				850	3	320	960

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		Paper	Micro	Diskette	CD	Online	E	F	S	A	R	C	M				
56/95	Recommendations	PN Series (SG 3), 1994	PA				600	150	100					850	3	440	1320
57/95	ITU-R Recommendations	S Series (SG 4), 1994	PA				600	150	100					850	3	452	1356
58/95		SA Series (SG 7), 1994	PA				600	150	100					850	3	188	564
59/95		SM Series (SG 1), 1994	PA				600	150	100					850	3	188	564
60/95		SNG Series (SG 4) 2nd edition, 1994	PA				600	150	100					850	3	28	84
417/95		SNG Series (SG 4), 1994	PA							50				50	1	38	38
61/95		TF Series (SG 7), 1994	PA				600	150	100					850	3	104	312
62/95		V Series (SG CCV), 1994	PA				600	150	100					850	3	128	384
103/95	Recommendations UIT-R 92	RIS Series	PA								225			225	1	88	88
104/95		RM Series	PA								225			225	1	242	242
64/95	Rules of Procedures	1994	PA				500	200	100					800	3	266	798
65/95	Space Radiocommunications Stations	edition 1.4, 1995			CD								150	150	1	1	1
91/95	XVIII CCIR Plenary Assembly, Düsseldorf 1990	Vol. IX	PA							50				50	1	86	86
82/95		Vol. VI	PA								225	465		690	2	295	590
85/95		Annex 2, Vol. VIII	PA								225			225	1	396	396
86/95		Vol. X/XI.2	PA									465		465	1	684	684
83/95		Vol. XII	PA								225	465		690	2	278	557
99/95		Annex 1, Vol. VIII	PA								225			225	1	428	428
402/95		Annex Vol. VII	PA								225			225	1	198	198
107/95		Vol. VII	PA								225			225	1	198	198
110/95		Vol. X/XI.3	PA								225	465		690	2	100	200
98/95		Annex 3, Vol. VIII	PA								225			225	1	702	702
498/95	XVIII CCIR Plenary Assembly Düsseldorf 90	Volume III										465		465	1	96	96
499/95		Vol. IV-1										465		465	1	76	76
500/95		Vol. V										465		465	1	120	120
SG																	
126/95	ITU Regulatory Colloquium on the Changing Role of Government in an Era of Telecom Deregulations	4th Colloquium, 1995	PA				1000	250	100	160				1510	4	147	590
72/95	Final Acts of the Plenipotentiary Conference, Kyoto	1994			DI		100	50	10					160	3	4	13
77/95		1994	PA							200	200			400	2	138	276
69/95		1994	PA				1800	1000	400					3200	3	272	816
419/95	Cards "With compliments"	1995	PA				1000							1000	1	1	1
111/95	Catalogue of Publications	1995	PA				17500							17500	1	48	48
409/95	Brochure "Arabic Lexicon"	1995	PA										2500	2500	1	2	2
421/95	Global Mobile Personal Communications Systems (GMPCS)	1995	PA							150				150	1	120	120
112/95	Lexicon of Telecommunication Terms	1995	PA										2000	2000	1	508	508
411/95	List of Publications	December 1994	PA				6500	2500	1200					10200	3	100	300
113/95	Notification No. 1325	1995	PA				750	400	150					1300	3	8	24
114/95	Notification No. 1326	1995	PA				750	400	150					1300	3	8	24
115/95	Notification No. 1327	1995	PA				750	400	150					1300	3	16	48
116/95	Notification No. 1332	1995	PA				750	400	150					1300	3	24	72
117/95	Notification No. 1333	1995	PA				750	400	150					1300	3	8	24
118/95	Notification No. 1334	1995	PA				750	400	150					1300	3	12	36
425/95	Notification No. 1331	1995	PA				750	400	150					1300	3	5	15

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		Paper	Micro	Diskette	CD	Online	E	F	S	A	R	C	M				
423/95	Notification No. 1335	1995	PA				750	400	150					1300	3	16	48
424/95	Notification No. 1336	1995	PA				750	400	150					1300	3	12	36
119/95	Notification No. 1328	1995	PA				750	400	150					1300	3	8	24
120/95	Notification No. 1329	1995	PA				750	400	150					1300	3	15	45
121/95	Notification No. 1330	1995	PA				750	400	150					1300	3	32	96
122/95	ITU Newsletter No. 2	1995	PA				4400	1850	650					6900	3	35	105
123/95	Financial operating Report	1994	PA				500	450	200					1150	3	52	156
418/95	Report by the ITU on Telecommunication and the Peaceful Uses of Outer Space	34th edition, 1995	PA				300	600	200					1100	3	108	324
125/95	ITU Regulatory Colloquium on the Changing Role of Government in an Era of Telecom Deregulations	3rd Colloquium, 1995	PA				1200			160				1360	2	102	204
124/95		3rd Colloquium, 1995	PA					250	150					400	2	176	352
67/95	Report on the activities of the International Telecommunication Union	1994	PA				750	650	350					1750	3	152	456
391/95	ITU Global Directory	10th edition, 1995	PA									1000		1000	1	424	424
128/95		9th edition, 1995	PA									1000		1000	1	424	424
428/95	Resolutions and Decisions of the Council	1995	PA						180					180	1	194	194
TSB																	
513/95	1 Recommendation (Z.100)	1992										465		465	1	122	122
517/95	Introduction of new technology in local network	1993										465		465	1	198	198
514/95	Rural Telecommunications	Vol. I, II, III, 1994										1395		1395	1	518	518
516/95	1 Recommendation (F.901)	1993							50					50	1	6	6
108/95	CCITT Blue Book, IXth Plenary Assembly, Melbourne, 1988	Vol. VII.2, 1988	PA							465				465	1	298	298
149/95	Construction, installation, jointing and protection of optical fibre cables	1993	PA				350	150	80					580	3	172	516
109/95	CCITT Blue Book, IXth Plenary Assembly, Melbourne, 1988	Vol. X.4, 1988	PA							465				465	1	288	288
502/95												4650		4650	1	200	200
505/95	14 Recommendations	T Serie, 91/92										6510		6510	1	344	344
507/95	15 Recommendations	X Serie, 92/93										6975		6975	1	1336	1336
509/95	16 Recommendations	G Serie, 93/94										7440		7440	1	350	350
511/95	19 Recommendations	Q, H, I, T & X Series, 1993								8835				8835	1	430	430
503/95	2 Recommendation	I & Q Serie, 1992								930				930	1	20	20
74/95	Recommendations, arabe (31), chinois (44), russe (72)	I Serie, 1991-94	PA						1550	33480	20460			55490	3	548	1644
441/95	243 Recommendations	1995	PA				291600	72900	36450					400950	3	11222	33666
76/95	Recommendations, arabe (33), chinois (36), russe (4)	D Series, 1993	PA						1650	1860	34740			38250	3	166	498
510/95	51 Recommendations	G & X Series, 93/94								23715				23715	1	1100	1100
512/95	8 Recommendations	J, T & Z Series, 93/94								3720				3720	1	710	710
506/95	9 Recommendations	V Serie, 1993								4185				4185	1	198	198
432/95	Yearbook of common carrier telecommunication statistics - Chronological series 1987-1994	1995	PA									700		700	1	300	300
144/95	Operational Bulletin	No. 604	PA				600	350	150					1100	3	16	48
131/95		No. 587	PA				600	350	150					1100	3	8	24
132/95		No. 588	PA				600	350	150					1100	3	16	48
133/95		No. 589	PA				600	350	150					1100	3	20	60
134/95		No. 590	PA				600	350	150					1100	3	16	48
135/95		No. 591	PA				600	350	150					1100	3	16	48
138/95		No. 592	PA				600	350	150					1100	3	16	48
139/95		No. 593	PA				600	350	150					1100	3	28	84

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136/95	Operational Bulletin	No. 594	PA				600	350	150					1100	3	12	36
137/95		No. 595	PA				600	350	150					1100	3	12	36
140/95		No. 599	PA				600	350	150					1100	3	12	36
141/95		No. 600	PA				600	350	150					1100	3	12	36
385/95		No. 601	PA				600	350	150					1100	3	12	36
142/95		No. 602	PA				600	350	150					1100	3	8	24
386/95		No. 605	PA				600	350	150					1100	3	16	48
389/95		No. 607	PA				600	350	150					1100	3	16	48
145/95		No. 596	PA				600	350	150					1100	3	16	48
146/95		No. 597	PA				600	350	150					1100	3	12	36
147/95		No. 598	PA				600	350	150					1100	3	20	60
387/95	Operational Bulletin + Annex	No. 606	PA				1200	700	300					2200	3	75	225
390/95		No. 608	PA				1200	700	300					2200	3	36	108
394/95		No. 609	PA				1200	700	300					2200	3	57	171
433/95		No. 611	PA				600	350	150					1100	3	36	108
395/95	Operational Bulletin + Annexes	No. 610	PA				1200	700	300					2200	3	39	117
434/95		No. 612	PA				600	350	150					1100	3	46	138
143/95	Operational Bulletin	No. 603	PA				600	350	150					1100	3	16	48
169/95	Catalogue of ITU-T Recommendations	1995	PA				5000							5000	1	40	40
447/95	Instructions for the International Telephone Service	1993	PA							100				100	1	92	92
152/95	List of international telephone routes	34th edition, 1994	PA									400		400	1	258	258
91/95	CCITT Blue Book, IXth Plenary Assembly, Melbourne 1988	Vol. II.5	PA									50		50	1	147	147
89/95		Vol. I.3	PA									50		50	1	914	914
92/95		Vol. I.4	PA									50		50	1	699	699
90/95		Vol. II.1	PA									50		50	1	368	368
96/95		Vol. VI.14	PA									50		50	1	171	171
93/95		Vol. VII.7	PA									50		50	1	323	323
94/95		Vol. VIII.7	PA									50		50	1	619	619
448/95	Handbook "Construction, installation, jointing and protection of optical fibre cables"	1993	PA									465		465	1	172	172
398/95		1994	PA							50				50	1	172	172
397/95		1994	PA				350	150	80					580	3	172	516
450/95	Handbook on "Quality of service and network Performance"	1993	PA							50				50	1	96	96
449/95	Handbook on transmission planning	1993	PA							50				50	1	76	76
166/95	Handbook on rural telecommunications (GAS 7)	Vol. IV, 1994	PA				300	150	100					550	3	182	546
451/95	Standardized test chart for document facsimile transmissions	Test Chart No. 5, 1995	PA				2000							2000	1	1	1
403/95	List of Coast stations (List IV)	14th edition, 1993	PA										16000	16000	1	150	150
167/95	The Protection of telecommunication lines and equipment against lightning discharges	Chapters 9 and 10, 1994	PA				300	150	60					510	3	72	216
508/95	Recommendation	1993										465		465	1	244	244
452/95		G.728			DI								50	50	1	4	4
454/95	Recommendations	June 1995			CD		300	100	50					450	3	1	3
455/95		September 1995			CD		300	100	50					450	3	1	3
493/95		1995				OL									3	20000	60000
494/95	ITU-T Recommendations	March 1995			CD		300	100	50					450	3	1	3
431/95	1 Recommendation (T.123)	1994	PA							50				50	1	36	36
492/95	ITU-T Recommendations Online - Draft guide	1995	PA				200							200	1	10	10

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		Edition	Paper	Micro	Diskette	CD	Online	E	F	S	A	R	C	M			
430/95	Recommendations arabic (12), chinese (13)	E Series, 1991-93	PA								600		6305		6905	2	101
426/95	Recommendations, arabic (35), chinese (21), russian (11)	Q Series, 1993	PA								1750	5115	9765		16630	3	412
453/95	10 Recommendations	F & G Series, 1991-92	PA										4650		4650	1	200

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		Paper	Micro	Diskette	CD	Online	E	F	S	A	R	C				
Reprint																
BDT																
151/95	Telecommunication Indicators for Economies in transition	1994	PA				200						200	1	62	62
5/95	World Telecommunication Indicators	2nd edition, 1995	PA				200						200	1	72	72
458/95	Telecommunication Indicators for the Least Developed Countries	1st edition, 1995	PA									100	100	1	134	134
457/95	Asia-Pacific Telecommunication Indicators	2nd edition, 1995	PA				100						100	1	134	134
405/95		2nd edition, 1995	PA				400	100					500	2	132	264
399/95	World Telecommunication Development Conference (Buenos-Aires) - Final Report	Vol. I 1994	PA					50					50	1	186	186
9/95	World Telecommunication Development Report	1995	PA				350						350	1	248	248
BR																
14/95	XVIlth. CCIR Plenary Assembly Düsseldorf 90	Annex to Vol. XI	PA				100						100	1	720	720
459/95	Catalogue of ITU-R Recommendations	September 1995	PA									1200	1200	1	72	72
13/95	Folder "Radiocommunications Bureau"	1995	PA				1000						1000	1	10	10
483/95	Alphabetical list of call signs of stations other than amateur stations, experimental stations and stations of the maritime mobile services (List VII B)	13th edition, 1993	PA									350	350	1	200	200
24/95	Alphabetical List of call signs of stations other than amateur stations, experimental stations and stations of the maritime mobile service (List VII B)	14th edition, 1995	PA									1400	1400	1	362	362
26/95		Supplement No.2, 13th edition, 1993	PA									200	200	1	20	20
25/95		Supplement No.1, 13th edition, 1993	PA									200	200	1	20	20
29/95	Manual for use by the Maritime Mobile and Maritime Mobile-Satellite Services	1992	PA				1200						1200	1	896	896
480/95	List of Coast Stations (Liste IV)	14th edition, 1993	PA									665	665	1	944	944
481/95		Supplement No.1, 14th edition, 1993	PA									700	700	1	208	208
482/95		Supplement No.2, 14th edition, 1993	PA									650	650	1	120	120
41/95	Report by the Voluntary Group of Experts	Parts A, B, C, 1994	PA				150						150	1	1080	1080
484/95		Part C, 1994	PA				50						50	1	606	606
415/95		Part C, 1994	PA				60						60	1	606	606
465/95		Parts A, B, C, 1994	PA				50						50	1	606	606
463/95	Recommendation UIT-R	CE2 - IS Series, 1994	PA				250						250	1	144	144
63/95	Radio Regulations	edition 1990, Updating 94 Vol. 1, 2 and 3	PA				1000						1000	1	1074	1074
SG																
127/95	ITU Regulatory Colloquium on the Changing Role of Government in an Era of Telecom Deregulations	Colloquium No.2, 1993	PA				150	50					200	2	198	396
466/95		Colloquium No.2, 1993	PA				300	150					450	2	198	396
71/95	Final Acts of the Plenipotentiary Conference, Kyoto	1995			DI		50						50	1	1	1
70/95		1995			DI			50					50	1	1	1
467/95	Final Acts of the World Radiocommunication Conference	1993	PA				100						100	1	32	32
TSB																
374/95	Operational Bulletin	No. 604	PA				1000						1000	1	15	15
156/95	CCITT Blue Book, IXth Plenary Assembly, Melbourne 1988	Vol. I.1	PA				200						200	1	256	256

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		Paper	Micro	Diskette	CD	Online	E	F	S	A	R	C	M				
157/95	CCITT Blue Book, IXth Plenary Assembly, Melbourne 1988	PA					150							150	1	376	376
158/95		PA						100						100	1	624	624
159/95		PA					200							200	1	360	360
153/95		PA					100							100	1	180	180
160/95		PA					150							150	1	152	152
161/95		PA					200							200	1	484	484
154/95		PA					150							150	1	580	580
155/95		PA					350							350	1	636	636
162/95		PA					250							250	1	532	532
163/95		PA					200							200	1	548	548
164/95		PA					150							150	1	244	244
165/95		PA					80							80	1	100	100
470/95		PA					150							150	1	380	380
471/95		PA					500							500	1	624	624
472/95		PA					250							250	1	296	296
476/95		PA					300							300	1	292	292
473/95		PA					150							150	1	192	192
474/95		PA					100							100	1	132	132
475/95		PA					100							100	1	488	488
102/95		PA					250							250	1	484	484
248/95	Recommendation	PA					100							100	1	4	4
250/95		PA					100							100	1	52	52
256/95		PA					50							50	1	8	8
257/95		PA					200							200	1	24	24
258/95		PA					50							50	1	12	12
259/95		PA					50							50	1	84	84
260/95		PA					200							200	1	52	52
261/95		PA					50							50	1	20	20
262/95		PA					200							200	1	16	16
263/95		PA					200							200	1	32	32
264/95		PA					1200							1200	1	244	244
245/95		PA					50							50	1	4	4
246/95		PA					50							50	1	12	12
247/95		PA					100							100	1	8	8
477/95		PA					250							250	1	2	2
490/95		PA					300							300	1	44	44
251/95		PA					200							200	1	20	20
488/95		PA					150							150	1	57	57
252/95		PA					100							100	1	60	60
253/95		PA						100						100	1	80	80
254/95		PA					50							50	1	48	48
255/95		PA					100							100	1	12	12
480/95		PA					150							150	1	12	12
489/95		PA							50					50	1	20	20
479/95		PA					150							150	1	20	20

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