



Catalogue April 2000 of PUBLICATIONS

Dear Customer,

There is an emerging awareness that the globalisation phenomenon that has been spurred by the Internet covers not only *markets* but also infrastructure and policy *issues*.

Most of you are already familiar with ITU-R and ITU-T Recommendations which as international standards help towards an even playing field in the globalised telecommunication markets. As for infrastructure and policy issues, one of the ITU's strengths is that its activities span all four dimensions of telecommunications: radiocommunications, telecommunication standards, policy and infrastructure development. As Internet takes to the airwaves, one example of this multidimensional thinking is the ITU's IMT-2000 initiative to foster better communications worldwide. And it is through its publications that the ITU is happy to bring to you this multidimensional value.

I am happy to report to those among you who prefer our electronic publications, that all ITU "software" products are now published on CD-ROM. Many of them are also available online from the **ITU Electronic Bookshop**. For the distribution of its new publications in revisable format, the ITU has started to use Microsoft Word 2000 (which shares the same file format as Word 97).

This edition of the ITU Catalogue covers a variety of publications, in diverse formats, such as: standards (ITU-R and ITU-T Recommendations), statistics and trends (ITU-D Indicators and General Trends in Telecommunication Reform), manuals, communications technology (radiocommunication including broadcasting, and telecommunication including Internet) and development issues. It also contains other useful information such as pricing discounts, methods of payment and related conditions of sale.

The ITU Catalogue of Publications and both its annexed Lists of ITU-R Recommendations and ITU-T Recommendations are updated on a weekly basis and posted on the ITU's web page **www.itu.int/publications**. The Catalogue also identifies, by means of an appropriate symbol, ITU Publications that are "forthcoming" or "new".

We will report to you the status of these and other developments via the "**what's new**" feature on our web site **www.itu.int/publications**.

Your feedback and comments will encourage us and will enable us to serve your needs better. Look at the **Whom to contact?** page, and please write, call or send an E-mail. Thank you for your trust in the integrity and impartiality of the ITU's publications, and for continuing to make the ITU a leading publisher of information on communication technologies, developments and statistics.

Sincerely,



A.H. Radjy
Chief, Common Services Department

The ITU Publications are available in English, French and Spanish; most of the publications are also translated into Arabic, Chinese and Russian. In addition to paper versions, other formats are produced subject to market demand.

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Prices

The prices quoted in this Catalogue, as well as in the separate Lists of ITU-T Recommendations and ITU-R Recommendations and the Publication Notices, distributed free of charge and visible on the ITU website at the following address: www.itu.int/publications, are in Swiss francs (CHF) and are subject to change without notice.

Discounts of 15% are granted to Member States and Sector Members participating in the work of ITU. A discount of 80% off the catalogue price on all ITU publications is granted to Administrations of the Least Developed Countries (LDCs), as well as to libraries of educational institutions (for online subscriptions and CD-ROM publications only).

Catalogue prices of electronic publications (on CD-ROM and online) are given for single users. For corporations and institutions, multi-user licences are granted taking into account the number of authorized users. Please refer to the corresponding Publication Notices on the **WEB**. For a higher number of authorized users, the price multiplier is available on request. Please note that the minimum price for a publication bought from the Electronic Bookshop is twenty Swiss francs (CHF 20.–) and that there is no discount via this service.

Methods of payment

All publications ordered from ITU must be paid for in advance. Payments can be made:

- a) by credit card: American Express, Eurocard/Mastercard, Visa;
- b) by bank transfer to the UBS SA, Geneva, Account ITU, Geneva, No. 240-C8765565.0;
- c) by cheque made payable to ITU;
- d) by international postal order;
- e) to the ITU postal cheque account: ITU, Geneva, 12-50-3 (from within Switzerland);
- f) or by UNESCO coupon.

Payments normally should be made in Swiss francs (CHF). Payments may also be made in other currencies, freely convertible into CHF, provided that, when converted by the bank, the price of the service in CHF is covered. ITU does not accept Letters of Credit.

For faster order processing, we invite you to either pre-pay by credit card or take advantage of a new service by opening an ITU deposit account.

Forms of dispatch

The catalogue price includes the cost of dispatch by second-class mail or the means of carriage most advantageous to ITU. Dispatch can be requested in other forms: i.e. air mail (express and registered), EMS, Federal express, TNT, diplomatic pouch. Upon request, the cost of dispatch by first-class mail can be included in the quote. Customs

duties and other taxes or dues levied on imported goods are not borne by ITU. ITU accepts **no responsibility** for delay, loss or damage in shipment.

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Where a publication found to be faulty is returned to ITU, the latter's responsibility shall be limited to replacement of the publication and payment of the costs arising from such replacement. Any publication returned to ITU as unwanted must reach it within two (2) months from the date of its dispatch to the customer, subject to ITU's prior agreement. A minimum charge of fifty Swiss francs (CHF 50.–) will normally be invoiced to the customer by ITU for return of the publication to stock.

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Please note that orders cannot be taken over the telephone. They should be sent by telefax or electronic mail.

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E-mail: sales@itu.int

www.itu.int/publications

The bookshop is open at the ITU Headquarters (Tower Building) in Geneva from 08h 30 to 12h 00 and from 13h 30 to 17h 00, Monday to Friday.

Legend

Final Acts of the Plenipotentiary Conference

Kyoto, 1994

This includes the instrument amending both the Constitution and Convention of the ITU (Geneva, 1992), Signatures, Declarations and Reservations, and Decisions, Resolutions and Recommendations.

Separate editions in E, F, S, R, C, A

ISBN: E: 92-61-05521-4 F: 92-61-05522-2 S: 92-61-05523-0
R: 92-61-05524-9 C: 92-61-05525-7 A: 92-61-05526-5

Article: E: 5483 F: 5482 S: 5484 R: 5487 C: 5486 A: 5485

pp.: 140

Price: 35 CHF

Diskette

Publication Title

Edition and Publication Date

Abstract of Publication

Languages Available:

E=English, F=French, S=Spanish,
R=Russian, C=Chinese, A=Arabic

ISBN Number by Language

Article Number by Language

Price in Swiss francs

Media:

Paper edition (Number of pages only indicated where available)

Electronic version:

– CD-ROM

– Diskette

– Online (Yearly Subscription Service and Electronic Bookshop)

1.1 CONFERENCE PUBLICATIONS

NEW

Collection of the Basic Texts of the International Telecommunication Union adopted by the Plenipotentiary Conference

1999

A reference document containing: a) the Constitution and the Convention as amended by plenipotentiary conferences; b) the full text of all decisions, resolutions and recommendations in force; c) a list of abrogated decisions, resolutions and recommendations; d) the full text of the Optional Protocol on the compulsory settlement of disputes relating to the Constitution, the Convention and the Administrative Regulations; e) Rules of Procedure of conferences and other meetings of ITU.

Separate editions in E, F, S

 ISBN: E: 92-61-08151-7 F: 92-61-08152-5
 S: 92-61-08153-3

Article: E: 16053 F: 16054 S: 16055

pp.: 350 Price: 60 CHF

CD-ROM, online

Finals Acts of the Plenipotentiary Conference

Minneapolis, 1998

Instruments Amending the Constitution and the Convention of the International Telecommunication Union (Geneva, 1992) as amended by the Plenipotentiary Conference (Kyoto, 1994).

Separate editions in E, F, S, R, C, A

 ISBN: E: 92-61-07641-6 F: 92-61-07642-4
 S: 92-61-07643-2 R: 92-61-07644-0
 C: 92-61-07645-9 A: 92-61-07646-7
Article: E: 14099 F: 14133 S: 14134
R: 14138 C: 14137 A: 14136

pp.: 300 Price: 48 CHF

CD-ROM, online

Final Acts of the Plenipotentiary Conference

Kyoto, 1994

This includes the instrument amending both the Constitution and Convention of the ITU (Geneva, 1992), Signatures, Declarations and Reservations, and Decisions, Resolutions and Recommendations. Is available on diskette for 30 CHF (article number 5408).

Separate editions in E, F, S, R, C, A

 ISBN: E: 92-61-05521-4 F: 92-61-05522-2
 S: 92-61-05523-0 R: 92-61-05524-9
 C: 92-61-05525-7 A: 92-61-05526-5
Article: E: 5483 F: 5482 S: 5484
R: 5487 C: 5486 A: 5485pp.: 140 Price: 35 CHF
Diskette

Final Acts of the Additional Plenipotentiary Conference (APP-92)

Geneva, 1992

Separate editions in E, F, S, R, C, A

 ISBN: E: 92-61-04771-8 F: 92-61-04772-6
 S: 92-61-04773-4 R: 92-61-04774-2
 C: 92-61-04775-0 A: 92-61-04776-9
Article: E: 3218 F: 3217 S: 3219
R: 3222 C: 3221 A: 3220

Paper Price: 44 CHF

NEW

Report on the Activities of the International Telecommunication Union

1998

Statistical and operational information on main activities of the Sectors and the General Secretariat, including conferences, meetings and Council activities.

Separate editions in E, F, S

 ISBN: E: 92-61-07991-1 F: 92-61-07992-X
 S: 92-61-07993-8

Article: E: 16195 F: 16196 S: 16197

pp.: 140 Price: 20 CHF

NEW

Resolutions and Decisions of the Council of the International Telecommunication Union

Revision 1999

Separate editions in E, F, S

 ISBN: E: 92-61-08241-6 F: 92-61-08242-4
 S: 92-61-08243-2

Article: E: 16575 F: 16576 S: 16577

Paper Price: 36 CHF
Online

The International Telecommunication Union
 is the leading publisher of international
 telecommunication standards, policy
 analysis and statistics

1.2 REGULATORY PUBLICATIONS AND LISTS, COLLOQUIA, ITU GLOBAL DIRECTORY AND POLICY FORUM

The Changing Role of Government in an Era of Telecom Deregulation.
Briefing Reports prepared for the ITU Regulatory Colloquia



ITU Global Directory

15th edition, 2000



This Directory is the official ITU desk reference of government telecommunication administrations of ITU Member States and private organizations like carriers, equipment manufacturers, funding bodies, research and development organizations and international and regional telecommunications organizations, which have joined the ITU as Sector Members. It includes names of officials, postal and electronic addresses and World Wide Web site references (URLs). It covers ITU's steadily growing membership and comprises updated information useful for everyone dealing with telecommunications.

Multilingual edition in E, F, S

ISBN: 92-61-08237-8

Article: 16454

pp.: 522

Price: 39 CHF

ITU News

ITU News is the official magazine of the International Telecommunication Union published 10 times a year in English,

French and Spanish. First published in 1869 as the Journal télégraphique international, ITU News renders a first-hand account of the Union's activities and the global issues of concern to people from all areas of the telecommunications industry. The magazine carries between 32 and 46 pages, and is read in the 189 Member States of the Union.

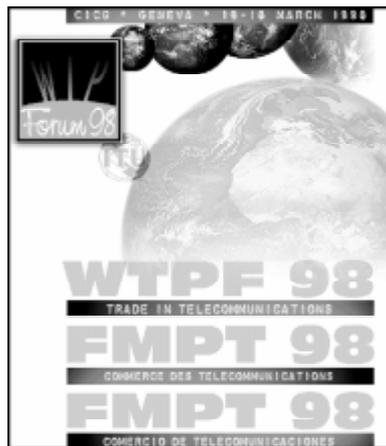
Separate editions in E, F, S

Paper
Online

Price: 100 CHF

**Second World
Telecommunication Policy
Forum (WTPF-98) – "Trade
in Telecommunications"
Geneva, 16-18 March 1998**

1998



This publication contains the Chairman's Report, the Secretary-General's Report and the nine Country Case studies presented at the Second World Telecommunication Policy Forum, held in March 1998.

Separate editions in E, F, S

ISBN: E: 92-61-07371-9
S: 92-61-07373-5

F: 92-61-07372-7

Article: E: 13088

F: 13089

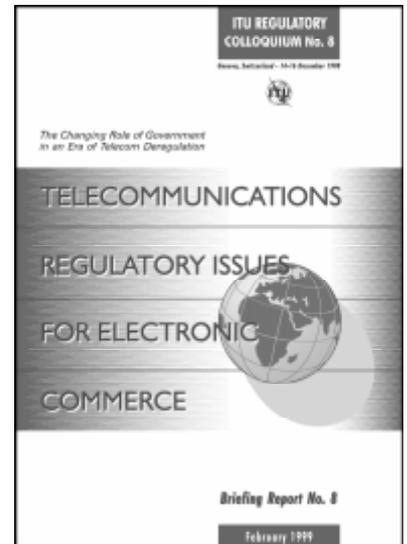
S: 13090

pp.: 500

Price: 100 CHF

**Colloquium No. 8 –
Telecommunications
Regulatory Issues for
Electronic Commerce**

Geneva, 14-16 December 1998



The Eighth Colloquium examined the role that the telecommunications policy maker and regulator could most usefully play in the development of electronic commerce. While there is an already enormous and growing literature on e-commerce, relatively little attention has been paid to the link between e-commerce and telecommunication regulation. In addition, relatively little attention has been paid to providing guidance to telecom officials in developing countries on this link. The analysis in this Briefing Report is intended to help fill this gap.

Separate editions in E, F, S

ISBN: E: 92-61-08051-0
S: 92-61-08053-7

F: 92-61-08052-9

Article: E: 15650

F: 15658

S: 15659

pp.: 60

Price: 50 CHF

Online

ITU on the Web: <http://www.itu.int/publications>

1.3 OTHER GENERAL SECRETARIAT PUBLICATIONS

Lexicon of Telecommunication Terms

1st edition, Geneva, 1995

This handy volume comprises two sections, Arabic-French-English and English-French-Arabic, and contains over 10,000 telecommunication terms.

Multilingual edition in E, F, A

ISBN: 92-61-05839-6

Article: 6051

pp.: 950

Price: 59 CHF

Telecommunication Terminology Database (TERMITE)

Ongoing

Freely accessible through TIES, TERMITE (approximately 60,000 entries) contains all the terms appearing in formerly published lexicons and is constantly updated. Although essentially devoted to telecommunication terms relating to technical standards, the database also covers other technical fields as well as administrative and financial matters relevant to the structure and functioning of ITU. The entries are mainly in English, French, Spanish and sometimes Russian (transcribed). Very few may also contain Italian, German and Portuguese.

Multilingual edition in E, F, S

Online

Provisional List of Terms Constituting the ITU Terminology Base "TERMITE" – Volumes I and II

Geneva, 1996

TERMITE (TERMInology of TELEcommunications) is a terminology database which has proved to be an essential tool for all technicians, engineers, translators and administrators involved in telecommunications since its creation in 1978. It not only covers technical telecommunication vocabulary but also the administrative and financial terms relating to ITU's structure and operation. Termite is acces-

sible free of charge through ITU's online service. This printed version has recently been released comprising over 59,000 entries in English, French and Spanish.

Multilingual edition in E, F, S

ISBN: 92-61-06197-4

Article: 6665

pp.: 1500

Price: 150 CHF

TERMITE (TERMInologie des TELécommunications) – Index français et espagnol

Geneva, 1996

These French and Spanish indexes (each a separate publication) provide the terms of the TERMITE terminology base sorted on the language of the index, and accompanied by the location number of the entry in the main volumes (6665).

Separate editions in F, S

ISBN: F: 92-61-06192-3

S: 92-61-06193-1

Article: F: 6666

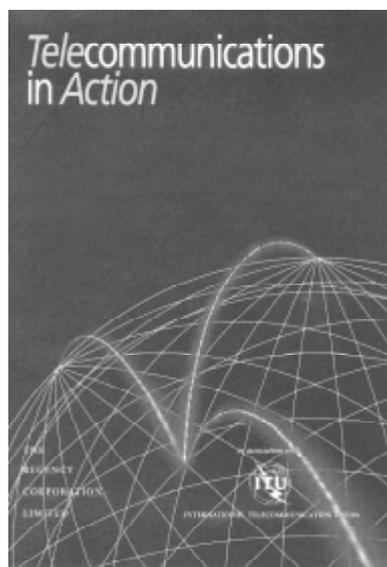
S: 6667

Paper

Price: 66 CHF

Telecommunications in Action

1999



The purpose of this Book is to bring home the benefits to be reaped from telecommunications, particularly to those who do not normally receive information on telecommunications and their many applications. Produced by the Regency Corporation Limited in collaboration with ITU, the views expressed in this Book are those of the authors and not necessarily those of ITU.

Separate editions in E, F, S

ISBN: E: 09-53-29054-9

F: 09-53-29056-5

S: 09-53-29058-1

Article: E: 15939

F: 15940

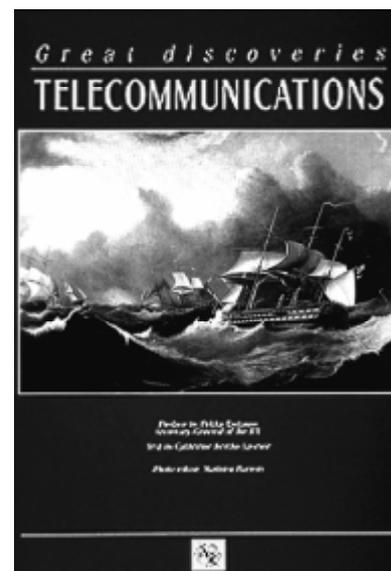
S: 15941

pp.: 292

Price: 120 CHF

Great discoveries, Telecommunications

1991



Separate editions in E, F, S

Article: E: 1800

F: 1799

S: 1801

Paper

Price: 60 CHF

This Catalogue is published in English, French and Spanish. For the most up-to-date version, please see <http://www.itu.int/publications>

1.4 TELECOM PUBLICATIONS

All these publications are multilingual – Papers are presented for publication in their original language.



**TELECOM Inter@ctive 99:
Forum Proceedings
on CD-ROM**

1999



CD-ROM Price: 400 CHF



**Exhibition Catalogue:
TELECOM 99 and
Inter@ctive 99**

1999



Paper Price: 60 CHF
CD-ROM

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on the Web: [http://
www.itu.int/publications](http://www.itu.int/publications)

**Africa TELECOM 98: Forum
Speakers Papers**

1998



Contains the Strategies and Technology Summits and TELECOM Development Symposium for Sustainable Development (binder format).

Paper Price: 200 CHF

**TELECOM Inter@ctive 97:
Forum Papers**

1997

CD-ROM Price: 200 CHF

**Asia TELECOM 97 Strategies
and Technologies Summits
(CD-ROM) and Telecom
Development Symposium
(Paper)**

1997

The price includes paper and CD-ROM.

pp.: 32 Price: 150 CHF

**Americas TELECOM 96
(Strategies and Technology
Summits)**

1996

The price includes paper and CD-ROM.

Paper Price: 500 CHF
CD-ROM

**Americas TELECOM 96
(Strategies and Technology
Summits)**

1996

CD-ROM Price: 250 CHF

**Americas TELECOM 96
(Technology Summit)**

1996

“Broader and Faster Technologies in transition towards the information age”

Paper Price: 300 CHF

**Americas TELECOM 96
(Strategies Summit)**

1996

“Telecommunications from building infrastructure to emerging information Economies”

Paper Price: 300 CHF



2.1 PUBLICATIONS ON WORLD AND REGIONAL TELECOMMUNICATION DEVELOPMENT CONFERENCES

World Telecommunication Development Conference (WTDC-98): Final Report

Valletta, 1998

The second World Telecommunication Development Conference (WTDC-98) took place in Valletta, Malta, from 23 March to 1 April 1998. The Final Report contains the recommendations and resolutions approved by the conference; the Valletta Declaration setting goals and objectives for the future; the Valletta

Action Plan focusing on the activities and programmes directed towards the purposes and objectives of the ITU Development Sector for the four year period 1999-2002; the list of documents submitted to the conference; and the list of participants.

Separate editions in E, F, S, C, A

ISBN: E: 92-61-07591-6 F: 92-61-07592-4
S: 92-61-07593-2

Article: E: 13681 F: 13682 S: 13683
A: 16745

pp.: 160 Price: 30 CHF
Online

African Regional Telecommunication Development Conference (AF-RTDC-96): Volume I

Abidjan, 1996

Final Report

Separate editions in E, F

Article: E: 7225 F: 7226

pp.: 150 Price: 50 CHF

Regional Telecommunication Development Conference for the Arab States (AR-RTDC-96)

Beirut, 11-15 November 1996

Separate editions in E, F, A

Article: E: 10028 F: 10029 A: 10597

pp.: 96 Price: 28 CHF

The ITU Publications are available
in English, French and Spanish,
many of which in Arabic, Chinese,
and Russian, as well

2.2 ITU-D PUBLICATIONS RELATED TO SEMINARS, MEETINGS AND COLLOQUIA



Final Report and Proceedings of the Seminar on Partnerships and Rural Telecommunication Development

*Kampala (Uganda),
3-5 November 1999*

The final report contains the statements at the Opening and Closing Sessions as well the main Conclusions on the presentations and discussions on each Working Session. The Proceedings contain the full papers presented during the Sessions,

covering various aspects of rural telecommunication such as financing regulatory issues and technologies.

Edition in E

ISBN: E: 92-61-08321-8

Article: E: 16714

pp.: 450 Price: 70 CHF
Online

Telecommunication Trade and Finance Colloquium for Asia and Pacific: Volume I

*New Delhi (India),
3-5 November 1997*

The Final Report (Volumes I and II) is the resume of the Asia Pacific Telecom-

munication Trade and Finance Colloquium organised by the Telecommunication Development Bureau, 3-5 November 1997, it took place in New Delhi, India with the participation of 275 delegates from 28 countries. Its purpose was to address on a regional basis with all potential partners the critical issue of financing telecommunication development in each region, and related aspects of telecommunications.

Edition in E

ISBN: E: 92-61-07151-1

Article: E: 13283

pp.: 70 Price: 18 CHF

ITU on the Web:
www.itu.int/publications



www.itu.int

2. PUBLICATIONS OF THE ITU-D SECTOR (DEVELOPMENT)

Telecommunication Trade and Finance Colloquium for Asia and Pacific: Volume II

New Delhi (India),
3-5 November 1997

Edition in E

ISBN: E: 92-61-07441-3

Article: E: 13284

pp.: 372

Price: 86 CHF

Telecommunication Trade and Finance Colloquium for CIS: Volume I

St. Petersburg (Russia),
2-3 February 1998

The Final Report (Volumes I and II) is the resume of the Telecommunication Trade and Finance Colloquium for CIS Countries, organised by the Telecommunication Development Bureau, 2-3 February 1998, took place in St. Petersburg, Russia, with the participation of 113 delegates from 26 countries. The findings of the Colloquium provide a better understanding of the necessary conditions for attracting investment and for emphasizing the importance of the investment required for the development of the sector.

Edition in E

ISBN: E: 92-61-07171-6

Article: E: 13287

pp.: 52

Price: 18 CHF

Telecommunication Trade and Finance Colloquium for CIS: Volume II

St. Petersburg (Russia),
2-3 February 1998

Edition in E

ISBN: E: 92-61-07461-8

Article: E: 13288

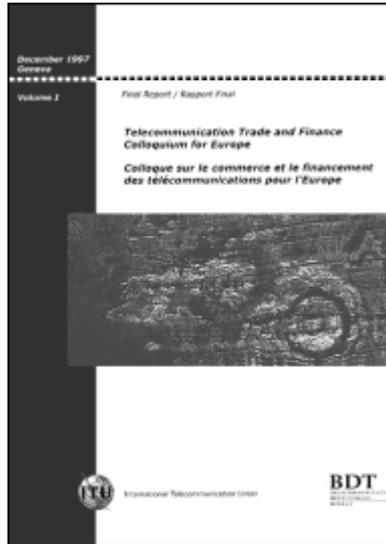
pp.: 194

Price: 86 CHF

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on the Web:
www.itu.int/publications

Telecommunication Trade and Finance Colloquium for Europe – Final Report: Volume I

Geneva, 15-17 December 1997



The Final Report (Volumes I and II) is the resume of the Telecommunication Trade and Finance Colloquium for Europe organised by the Telecommunication Development Bureau, 15-17 December 1997, took place in Geneva, Switzerland. It focused on private investment, privatization and development of the telecommunications infrastructure in the region.

Multilingual edition in E, F

ISBN: 92-61-07167-8

Article: 13285

pp.: 144

Price: 26 CHF

Telecommunication Trade and Finance Colloquium for Europe – Final Report: Volume II

Geneva, 15-17 December 1997

Multilingual edition in E, F

ISBN: 92-61-07437-5

Article: 13286

pp.: 696

Price: 135 CHF

Telecommunication Trade and Finance Colloquium for Latin America and Caribbean – Final Report: Volume I

Brasilia (Brazil), 14-16 July 1997

The Final Report (Volumes I and II) is the resume of the Latin America and Caribbean Telecommunication Finance and Trade Colloquium organised by the Telecommunications Development Bureau, 14-16 July 1997, took place in Brasilia, Brazil with the participation of 120 delegates from 33 countries. The objectives were: to encourage and stimulate new sources and innovative modalities of financing; to facilitate partnership through bilateral and private meetings between the private and public sector; to foster telecommunication sector liberalisation.

Multilingual edition in E, S

ISBN: 92-61-07187-2

Article: 13281

pp.: 148

Price: 26 CHF

Telecommunication Trade and Finance Colloquium for Latin America and Caribbean – Final Report: Volume II

Brasilia (Brazil), 14-16 July 1997

Multilingual edition in E, S

ISBN: 92-61-07457-X

Article: 13282

pp.: 612

Price: 135 CHF

FES/ITU/PRO AV Africa/URTNA Regional Symposium on New Technologies in Sound and Television Broadcasting for Africa

Midrand (South Africa),
18-21 February 1997

Edition in E

pp.: 714

Price: 100 CHF

NEW

Second World Telemedicine Symposium for Developing Countries

Buenos Aires (Argentina), 7-11 June 1999



Final Report .

The report contains full information on the various telemedicine applications being implemented in the developing countries, as well as participants' conclusions and recommendations for the continuation and upgrading of health services, especially in rural and/or marginal areas, using information and telecommunication technologies.

Separate editions in E, F, S

ISBN: E: 92-61-08181-9 F: 92-61-08182-7
S: 92-61-08183-5

Article: E: 16232 F: 16168 S: 16233
pp.: 340 Price: 80 CHF

First World Telemedicine Symposium for Developing Countries

Cascais (Portugal) 30.06.97-04.07.97

Final Report
Multilingual edition in E, F
ISBN: 92-61-06697-6

Article: 11625
pp.: 98 Price: 38 CHF

Symposium on the Impact of New Technologies on TV Broadcasting in the Arab States

Hammamet (Tunisia), 23-25 October 1996

Edition in E
pp.: 640 Price: 90 CHF

Africa Telecommunications Finance Colloquium: Volume I

Abidjan, 25-29 March 1996

Final Report
Multilingual edition in E, F
Article: 7289
Paper Price: 17 CHF

Africa Telecommunications Finance Colloquium: Volume II

Abidjan, 25-29 March 1996

Final Report
Multilingual edition in E, F
Article: 7292
Paper Price: 49 CHF

Visit our homepage on the Web:
www.itu.int/publications

Arab States Telecommunications Finance Colloquium: Volume I

Amman, 1-4 September 1996

Multilingual edition in E, F
ISBN: 92-61-06417-5
Article: 9602
pp.: 80 Price: 20 CHF

Arab States Telecommunications Finance Colloquium: Volume II

Amman, 1-4 September 1996

Multilingual edition in E, F
ISBN: 92-61-06427-2
Article: 9603
pp.: 770 Price: 150 CHF

FORTHCOMING

ABU-AIBD-HBF-ITU and Government of France Seminar: "Digital Broadcasting Managing the Transition"

Kuala Lumpur, 5-8 July 1999

Edition in E
Paper

Visit our Bookshop in Geneva (ITU Tower Building) – Open from Monday to Friday, 08:30 to 12:00 and 13:30 to 17:00

2.3 ITU-D PUBLICATIONS RELATED TO REGIONAL TELECOMMUNICATIONS POLICIES



Financial Institutions Offering Resources for Telecommunication Projects and Technical Assistance in Developing Countries

4th edition, 1999



This publication, divided into three categories (multilateral agencies, bilateral agencies and funds), aims at providing easy reference to institutions which provide resources for telecommunication projects and technical assistance in developing countries. It acts as a guide to the main sources of financing for development for governments, regulators and public telecommunication entities, as well as private institutions and enterprises.

Separate editions in E, F, S

ISBN: E: 92-61-08101-0 F: 92-61-08102-9
S: 92-61-08103-7

Article: E: 15661 F: 15662 S: 15663
pp.: 100 Price: 35 CHF
Online

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www.itu.int/publications**

Financial Institutions Offering Resources for Telecommunication Projects and Technical Assistance in Developing Countries (as verified by Financial Institutions)

3rd edition, 1998

Separate editions in E, F, S

ISBN: E: 92-61-07191-0 F: 92-61-07192-9
S: 92-61-07193-7

Article: E: 12908 F: 12909 S: 12910
pp.: 88 Price: 32 CHF

Telecommunications and Economic Growth – Seminars Jointly Organized by ITU/Webster University

1999

The papers included in this publication were presented at two seminars jointly organized by the Telecommunication Development Bureau of the International Telecommunication Union and Webster University in Geneva in September 1996, and in February 1998 on Telecommunication and Economic Growth.

Edition in E

ISBN: E: 92-61-07661-0

Article: E: 14161
pp.: 188 Price: 70 CHF
Online

Issues in Telecommunications Development Volume I: Finance and Trade

1st edition, 1998

This publication is intended to provide an annual review of various key issues in international telecommunications as examined by the International Telecommunication Union/Telecommunication Development Bureau – ITU/BDT. This year's authors have focused on trade, partnership and financing within the context of restructuring and globalisation.

Separate editions in E, F, S, C, A

ISBN: E: 92-61-07361-1 F: 92-61-07362-X
S: 92-61-07363-8 A: 92-61-07366-2

Article: E: 13128 F: 13194 S: 13195
A: 16746

pp.: 496 Price: 80 CHF
Online

Issues in Telecommunications Development Volume II: Reforming the International Accounting Rate System

1st edition, 1999

On behalf of the ITU, the Telecommunication Development Bureau has taken on the responsibility of assisting countries as they restructure their telecommunications sectors to meet the challenges of globalisation and liberalisation. Reports from Seminars/Workshops at which developing country representatives reviewed the moves towards international accounting rate reform and a number of papers dealing with cost calculation methodologies are in Part 1, and in Part 2 there are 11 Country Case Studies.

Separate editions in E, F, S

ISBN: E: 92-61-07721-8 F: 92-61-07722-6
S: 92-61-07723-4

Article: E: 14362 F: 14363 S: 14364
pp.: 600 Price: 100 CHF
CD-ROM, online



Addendum Issues in Telecommunications Development Volume II: Reforming the International Accounting Rate System

2000

During 1999, the ITU's Telecommunications Development Bureau continued to support developing countries' efforts to review telecommunications costs and tariff reform. The addendum of the 1998 Review of "Reforming the international account rate system" contains the reports of the 1999 series of seminars and

contributions from developing countries to the work of the Regional Tariff Groups and the Study Group 3. These reports are complemented by three additional case studies.

Separate editions in E, F, S

ISBN: E: 92-61-08341-2 F: 92-61-08342-0
S: 92-61-08343-9

Article: E: 16854 F: 16855 S: 16856

Paper Price: 60 CHF

Online

Trends in Telecommunication Reform "Convergence and Regulation"

2nd edition, 1999



The second edition of Trends in Telecommunication Reform will focus on the regulation of multimedia services. The report will examine eight themes: Institutional Framework, Ownership, Liberalization, Licensing, Universal Access, Interconnection, Price Regulation and Numbering. Each chapter will address overall reforms on that subject and will look, in particular, at Internet and other convergence related issues.

Separate editions in E, F, S

ISBN: E: 92-61-08141-X F: 92-61-08142-8
S: 92-61-08143-6

Article: E: 15867 F: 15868 S: 15869

pp.: 180 Price: 75 CHF

Online



Trends in Telecommunication Reform 1999: Country profiles

1999

This CD-Rom will provide key regulatory information for each ITU Member States. The information will be accessible by country and by region. This interactive tool will contain information on the institutional framework, regulatory and policy making bodies and regulatory issues such as ownership, liberalization, licensing, universal service, and interconnection.

Multilingual edition in E, F, S

ISBN: 92-61-08191-6

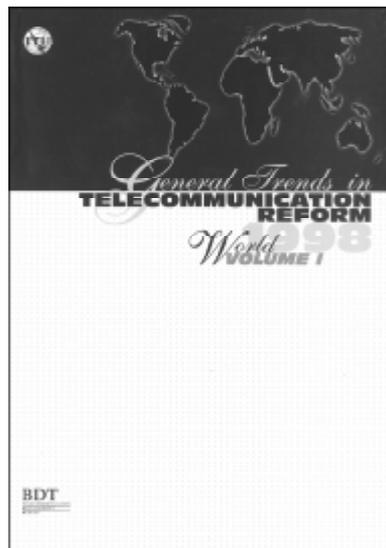
Article: 16200

CD-ROM

Price: 225 CHF

General Trends in Telecommunication Reform "World": Volume I

1st edition, 1998



The report provides an overview of the telecommunication regulatory reforms and trends worldwide. Specific regulatory issues are analyzed and compared by region. This report comprises six chapters. The first chapter is dedicated to a general worldwide overview of regulatory trends. Chapters 2-6 address each region (Africa, Americas, Arab States, Asia-Pacific and Europe). All six chapters are focused on

new legislation, the rise of regulatory agencies, ownership reforms, competition trends, regulatory matters and regional and international cooperation.

Separate editions in E, F, S, C

ISBN: E: 91-61-06781-6 F: 92-61-06782-4
S: 92-61-06783-2

Article: E: 13046 F: 13047 S: 13048

pp.: 138

Price: 75 CHF

Online

General Trends in Telecommunication Reform "Africa": Volume II

1st edition, 1998

The report provides a regulatory snapshot by country of the 42 Member States of the African region. The information is structured as follows: contact information for regulatory and policy making bodies, legal instruments, institutional profile, regulatory issues, ownership, market status and future regulatory plans.

Separate editions in E, F, S

ISBN: E: 92-61-06791-3 F: 92-61-06792-1
S: 92-61-06793-X

Article: E: 13049 F: 13050 S: 13051

pp.: 172

Price: 65 CHF

Online

General Trends in Telecommunication Reform "Americas": Volume III

1st edition, 1998

The report provides a regulatory snapshot by country of the 34 Member States of the Americas region. The information is structured as follows: contact information for regulatory and policy making bodies, legal instruments, institutional profile, regulatory issues, ownership, market status and future regulatory plans.

Separate editions in E, F, S, C

ISBN: E: 92-61-06801-4 F: 92-61-06802-2
S: 92-61-06803-0

Article: E: 13052 F: 13053 S: 13054

pp.: 146

Price: 55 CHF

Online

General Trends in Telecommunication Reform “Arab States”: Volume IV

1st edition, 1998

The report provides a regulatory snapshot by country of the 21 Member States of the Arab region. The information is structured as follows: contact information for regulatory and policy making bodies, legal instruments, institutional profile, regulatory issues, ownership, market status and future regulatory plans.

Separate editions in E, F, S

ISBN: E: 92-61-06811-1 F: 92-61-96812-X
S: 92-61-06813-8

Article: E: 13055 F: 13056 S: 13057
pp.: 94 Price: 45 CHF
Online

General Trends in Telecommunication Reform “Asia Pacific”: Volume V

1st edition, 1998

The report provides a regulatory snapshot by country of the 38 Member States of the Asia Pacific region. The information is structured as follows: contact information for regulatory and policy making bodies, legal instruments, institutional profile, regulatory issues, ownership, market status and future regulatory plans.

Separate editions in E, F, S, C

ISBN: E: 92-61-06821-9 F: 92-61-06822-7
S: 92-61-06823-5

Article: E: 13058 F: 13059 S: 13060
pp.: 158 Price: 60 CHF
Online

General Trends in Telecommunication Reform “Europe”: Volume VI

1st edition, 1998

The report provides a regulatory snapshot by country of the 53 Member States of the European region. The information is structured as follows: contact information for regulatory and policy making bodies, legal instruments, institutional profile, regulatory issues, ownership, market status and future regulatory plans.

Separate editions in E, F, S, C

ISBN: E: 92-61-06831-6 F: 92-61-06832-4
S: 92-61-06833-2

Article: E: 13061 F: 13062 S: 13063
pp.: 216 Price: 72 CHF
Online

Collection of General Trends in Telecommunication Reform

1st edition, 1998

These volumes, which are published separately, are organized by region and contain key regulatory information for each ITU Member State in Africa (Vol. II), the Americas (Vol. III), the Arab States (Vol. IV), Asia-Pacific (Vol. V), and Europe (Vol. VI). The information is structured as follows: contact information for regulatory and policy making bodies, legal instruments, regulatory issues, ownership of the incumbent operator, the degree of liberalization in various market segments, and future regulatory plans.

Special discount of 20% for the entire package: Volumes I-VI or Volumes II-VI (paper format only).

Separate editions in E, F, S

Article: E: 13064 Vol. I – VI
Price: 372 CHF

Article: E: 13067 Vol. II – VI
Price: 297 CHF
Paper, online

Telecommunication Policy on CD-ROM

1999

This CD is based on the report of Study Group 1 Question 2/1 – “Telecommunication policies and their repercussions at the level of institutional, regulatory options; structural options for the telecommunication service provider; liberalization of services”. The CD explores policy and regulatory options; structural options for the telecommunication service provider; liberalization of services; essential components of the reform process, including universal service provision; implementation of reforms; and options for a regulatory body.

Edition in E

ISBN: E: 92-61-07911-3

Article: E: 14623

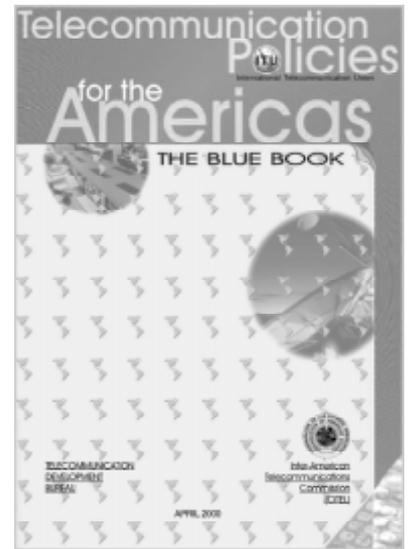
CD-ROM

Price: 100 CHF



Telecommunication Policies for the Americas (The Blue Book)

2000



Separate editions in E, S

Article: E: 17134 S: 17135

pp.: 150 Price: 50 CHF
On line

Telecommunication Policies for the Americas (The Blue Book)

1996

This publication is the result of a regional effort being made under the auspices of the ITU-D and CITELE (Inter-American Telecommunications Commission) to provide countries of the region with appropriate guidance on telecommunication reforms and restructuring, as well as regulatory advice.

Separate editions in E, S

Article: E: 6886 S: 6887

pp.: 112 Price: 50 CHF

Telecommunication Policies for the Arab Region (The Arab Book)

1996

This is the third publication in a series of regional policy papers published by the ITU/BDT. The Book was initiated as a result of the decisions taken by the first ITU Regional

Telecommunication Development Conference for the Arab States (AR-RTDC, Cairo, 1992) and was prepared by several experts from the Arab region. It was also submitted to and approved by the second AR-RTDC held in Beirut in November 1996. The Book contains guidelines and recommendations for governments embarking on reform of the telecommunication sector.

Separate editions in E, F, A

ISBN: E: 92-61-06451-5 F: 92-61-06452-3
A: 92-61-06456-6

Article: E: 9606 F: 9605 A: 9624

pp.: 150

Price: 62 CHF

The African Green Paper: Telecommunication Policies for Africa

1996

This publication is the result of collaboration among African experts since the first ITU African Regional Telecommunication Development Conference (1990). The African Green Paper explores specific themes related to the overall restructuring of the telecommunications sector. It comprises eight chapters and is intended to serve as a reference document for decision makers who are contemplating

reform of the sector. It was formally approved at the second African Regional Telecommunication Development Conference (Abidjan, 1996).

Separate editions in E, F

ISBN: E: 92-61-06321-7 F: 92-61-06322-5

Article: E: 7215 F: 7216

pp.: 160

Price: 60 CHF

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www.itu.int/publications

2.4 TELECOMMUNICATION INDICATORS

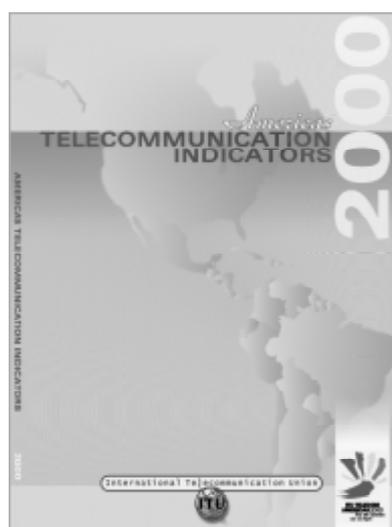
Since 1992, the ITU has published a number of analytical reports examining the current status of development of the telecommunication sector in different parts of the world. The aims of this series are threefold:

- to provide regular updates for the latest available telecommunication indicators, by country and by operators, on an internationally comparable basis;
- to analyse recent trends and developments especially in the relationship between telecommunications and economic, social and cultural development;
- to describe and interpret the challenges facing telecommunication policy-makers and regulators in adapting to technological change, market liberalisation, privatisation of operators and the changing telecommunications environment.



Americas Telecommunication Indicators

2000



Separate editions in E, S

ISBN: E: 92-61-08331-5 S: 92-61-08333-1

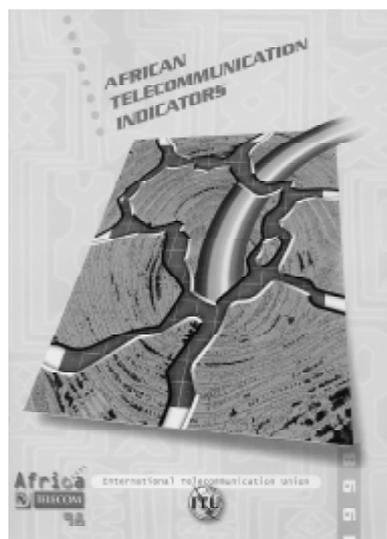
Article: E: 16842 S: 16843

Paper
Online

Price: 44 CHF

African Telecommunication Indicators

4th edition, 1998



Prepared for Africa TELECOM 98, this report is an indispensable reference book of telecommunication facts and figures for the region. The publication provides a brief overview of fixed-line, mobile cellular, Internet, international traffic and regulatory trends. The report includes 22 regional tables covering key telecommuni-

cation indicators, 55 individual country pages with a five year profile from 1993-1997, and a directory with names and addresses of telecommunication ministries, regulators and operators in the region.

Separate editions in E, F

ISBN: E: 92-61-04142-2 F: 92-61-07141-4

Article: E: 12704 F: 12699

pp.: 140
Online

Price: 32 CHF

Asia-Pacific Telecommunication Indicators

3rd edition, 1997

This third edition looks in detail at the rise and spread of new telecommunication operators. Since the start of the decade, some 80 new operators have been created, and these new firms and joint ventures are now active in all parts of the telecommunication sector. No other developing region has proved as fertile

for new market entry. The report provides some 60 pages of analysis, complete with data tables and charts. In addition, it contains 70 pages of country statistics and a directory of telecommunication organizations. The statistical section consists of 38 country tables. Each country page includes a five year series (1992-1996) for leading telecommunication indicators. The directory section provides names, addresses, telephone and facsimile number of all leading telecommunication ministries, regulators and operators in the region.

Separate editions in E, C

ISBN: E: 92-61-06541-4

Article: E: 10510

pp.: 120

Online

Price: 100 CHF

Arab States Telecommunication Indicators

3rd edition, 1996

Prepared for the Arab States Regional Telecommunication Development Conference, the report is the ITU's most detailed yet on telecommunications in the Arab-speaking World. Contains an overview of telecommunication development since 1990, individual country pages showing main telecommunication indicators and a list of telecommunication organizations and addresses in the region.

Multilingual edition in E, F

ISBN: 92-61-06387-X

Article: 7229

pp.: 80

Online

Price: 80 CHF

**You can order
directly by fax
+41 22 730 5194
or via e-mail
sales@itu.int**



Challenges to the Network: Internet for Development

2nd edition, 1999



This report, prepared by the ITU, is the second in the Challenges to the Network series. The report looks at the role of the Internet in economic development. The study pays special attention to the impact that the Internet is having and will have in the economies of developing nations and the role of the Internet in promoting economic and social development. The present version has been prepared and updated specially for the TELECOM 99 event, held in Geneva during October 1999.

Edition in E

ISBN: E: 92-61-08221-1

Article: E: 16212

pp.: 184

Online

Price: 100 CHF

Challenges to the Network: Telecommunications and the Internet

1st edition, 1997

This new report, prepared by the ITU, has been released to coincide with the Telecom Interactive 97 Exhibition and Forum, held in Geneva, 8-14 September 1997. The report looks at the relationship between the Internet and the public telecommunications sector.

Separate editions in E, C

ISBN: E: 92-61-06591-0

Article: E: 11024

pp.: 116

Online

Price: 100 CHF



World Telecommunication Development Report – Mobile Cellular – World Telecommunication Indicators

5th edition, 1999



The fifth edition of the ITU's annual report on telecommunication trends. This edition has as its theme «Mobile Cellular» communications. The report has been specially prepared for World TELECOM 99 in October 1999. The «World Telecommunication Indicators» are also included.

Separate editions in E, F, S

ISBN: E: 92-61-08161-4
S: 92-61-08163-0

F: 92-61-08162-2

Article: E: 16125

F: 16126

S: 16127

pp.: 208

Online

Price: 100 CHF

World Telecommunication Development Report: Universal Access

4th edition, 1998

This new report has been specially prepared to coincide with the World Telecommunication Development Conference in Malta in March 1998 and examines progress towards universal access to communications, reasons for disparities, and policies and technological solutions designed to improve the situation. The report also presents the ITU's authoritative World Telecommunication Indicators for year end 1996. These statistics monitor the main indicators of network growth, mobile

communications, pricing, revenues and investment for 200 plus economies worldwide.

Separate editions in E, F, S, C

ISBN: E: 92-61-07111-2 F: 92-61-07112-0
S: 92-61-07113-9

Article: E: 12413 F: 12414 S: 12415
C: 15908

pp.: 200 Price: 100 CHF
Online

World Telecommunication Development Report: Trade in Telecommunications

3rd edition, 1996/97

The 3rd edition explores the theme of telecommunications trade, covering both trade in equipment and trade in services. As well as providing up-to-date information on the outcome of the trade negotiations and analysis of new developments in electronic commerce, the report also presents the ITU's authoritative World Telecommunication Indicators for year end 1995. These statistics monitor the main indicators of network growth, mobile communications, pricing, revenues and investment for 200 plus economies worldwide. The online version is available in PDF format (with free viewer to download).

Separate editions in E, F, S, C

ISBN: E: 92-61-06391-8 F: 92-61-06392-6
S: 92-61-06393-4

Article: E: 9692 F: 9731 S: 9732
pp.: 200 Price: 120 CHF
Online

World Telecommunication Development Report: Information Infrastructures

2nd edition 1995

The second edition of the report was prepared for TELECOM 95 and examines plans to construct Information Infrastructure. Chapters of the report are structured around the themes of the convergence between telecommunications, broadcasting and computing; national policy initiatives; technological change; the development of multimedia services and the regulation of the multi-

media sector. The report incorporates the latest (year-end 1994) comparable telecommunications plus data for 200 countries worldwide.

Separate editions in E, F, S, C, A

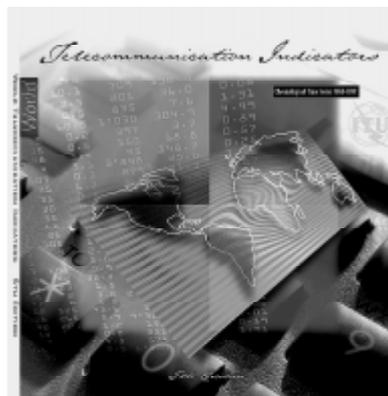
ISBN: E: 92-61-05661-X F: 92-61-05662-8
S: 92-61-05663-6 C: 92-61-06395-0

Article: E: 5768 F: 5767 S: 5769
C: 7388 A: 10521

pp.: 200 Price: 100 CHF

World Telecommunication Indicators Database

5th edition, 1999



The World Telecommunication Indicators Database contains time series data for the years 1960, 1965, 1970 and annually from 1975 to 1997, for around 100 communications statistics covering telephone network size and dimension, other services, quality of service, traffic, staff, tariffs, revenue and investment. Selected demographic, macro-economic and broadcasting statistics are also included. Data for over 200 economies are available. Yearly subscription via Internet:

Price: 750 CHF.

Edition in E

ISBN: E: 92-61-07881-8

Article: E: 14502

Online Price: 200 CHF
Diskette



Direction of Traffic: Trading Telecom Minutes – Report

3rd edition, 1999

The 3rd edition of the authoritative ITU/TeleGeography Inc. "Direction of Traffic" publication focuses on the transition in

international telecommunications traffic away from the bilateral regime, based on accounting rates, to a new, multilateral, trade-based regime. Specifically, the report looks at the impact that the changing telecommunications environment will have on developing countries.

Edition in E

ISBN: E: 92-61-08041-3

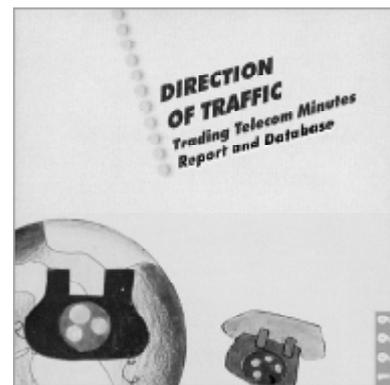
Article: E: 15630

pp.: 330 Price: 300 CHF
Online



Direction of Traffic: Trading Telecom Minutes

3rd edition, 1999



The CD-ROM contains the Report and Database. For reference, the CD-ROM also contains the previous edition of the report, published in November 1996, on the theme "Trends in international telecom prices"(Edition in E).

Edition in E

Article: E: 15631

CD-ROM Price: 500 CHF



Direction of Traffic: Trading Telecom Minutes

3rd edition, 1999

Report plus Database.

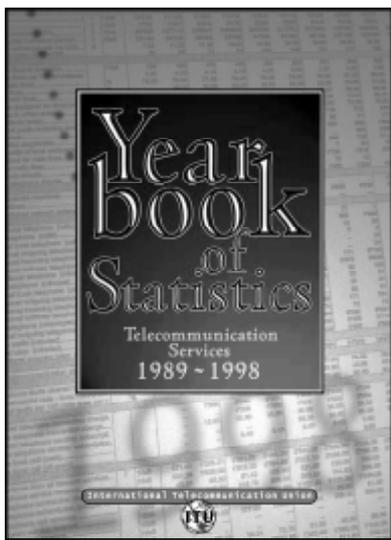
Edition in E

pp.: 330 Price: 500 CHF
Online



**ITU Yearbook of Statistics –
Telecommunication Services
1989-1998**

26th edition, 2000



The publication of statistical indicators relating to the development of telecom-

munications worldwide is one of the primary functions of ITU. The 2000 edition of the ITU Yearbook of Statistics (previously referred to as the “Yearbook of Public Telecommunication Statistics” or the “ITU Statistical Yearbook”) will be the 26th edition.

(Only E for paper, online in E, F, S)

Edition in E

ISBN: E: 92-61-08281-5

Article: E: 16645

pp.: 200

Price: 65 CHF

Online

**ITU Statistical Yearbook
(Chronological Series
1987-1994)**

1994

This publication contains time series data for the period 1987-1994, for over 210 countries in more than 60 tables, assembling information concerning different branches of telecommunications.

Multilingual edition in E, F, S

ISBN: 92-71-21061-1

Article: 6095

pp.: 270

Price: 68 CHF

The **International Telecommunication Union** is the leading publisher of international telecommunication standards, policy analysis and statistics

14

2.5 WORK OF THE ITU-D STUDY GROUPS 1 AND 2

ITU-D Reports on Questions and Recommendations – Study Groups 1 and 2

1998 – (SG1 / SG2)

The ITU-D Study Groups were set up in accordance with Resolution 2 of WTDC-94 (Buenos Aires, March 1994). For the period 1994-1998 Study Group 1 was entrusted with the study of five Questions in the field of telecommunication development strategies and policies, and Study Group 2 was entrusted with the study of eight Questions on more technical matters. The actual work began in 1995 and resulted in a series of twelve Recommendations, which were approved at WTDC-98 (Valletta, March 1998).

Complete collection.

Separate editions in E, F, S

Article: E: 13140 F: 13139 S: 13141

Paper

Price: 710 CHF

ITU-D Reports on Questions and Recommendations – Study Groups 1 and 2

1998 – (SG1 / SG2)

Complete collection.

Separate editions in E, F, S

Online

Price: 400 CHF

Separate editions in E, F, S

ISBN: E: 92-61-07352-2 S: 92-61-07353-0

F: 92-61-07351-4

Article: E: 13155 F: 13169 S: 13186

pp.: 45

Price: 29 CHF

Online

ITU-D Question 1/1 – Role of Telecommunications in Economic, Social and Cultural Development

1998 – (SG1) Final Report

Separate editions in E, F, S

ISBN: E: 92-61-07221-6 S: 92-61-07213-5

F: 92-61-07212-7

Article: E: 13137 F: 13138 S: 13170

pp.: 50

Price: 29 CHF

Online

ITU-D Questions – Recommendations

1998 – (SG1 / SG2)

The Recommendations are also available individually through the ITU Electronic Bookshop.

**ITU-D Question 1/2 –
Special Concerns of
Developing Countries
in Relation to the Work
of the Radiocommunication
and Telecommunication
Standardization Sectors**

1998 – (SG2) Final Report

Separate editions in E, F, S, A

ISBN: E: 92-61-07341-7 F: 92-61-07342-5
S: 92-61-07343-3 A: 92-61-07346-8

Article: E: 13146 F: 13160 S: 13175
A: 16051

pp.: 96 Price: 46 CHF
Online

**ITU-D Question 2/1 –
Telecommunication
Policies and their
Repercussions at the
Level of Institutional,
Regulatory and
Operational Aspects
of Services**

1998 – (SG1) Final Report

Separate editions in E, F, S, A

ISBN: E: 92-61-07221-6 F: 92-61-07222-4
S: 92-61-07223-2

Article: E: 13142 F: 13156 S: 13171
A: 16319

pp.: 67 Price: 42 CHF
Online

**ITU-D Question 2/2 –
Preparation of Handbooks
for Developing Countries:
New Developments in
Rural Telecommunications**

1999 – (SG2) Final Report

Separate editions in E, F, S

ISBN: E: 92-61-07261-5 F: 92-61-07262-3
S: 92-61-07263-1

Article: E: 13147 F: 13161 S: 13176

pp.: 84 Price: 38 CHF
Online

**ITU-D Question 2/2 –
Preparation of Handbooks
for Developing Countries:
Economic, Organizational
and Regulatory Aspects
of National Spectrum
Management**

1999 – (SG2) Final Report

Separate editions in E, F, S

ISBN: E: 92-61-08131-2 F: 92-61-08132-0
S: 92-61-08133-9

Article: E: 13409 F: 13410 S: 13411

pp.: 60 Price: 46 CHF
Online

**ITU-D Question 3/1 – Impact
of the Introduction and
Utilization of New Techno-
logies on the Commercial
and Regulatory Environment
of Telecommunications**

1998 – (SG1) Final Report

Separate editions in E, F, S, A

ISBN: E: 92-61-07231-3 F: 92-61-07232-1
S: 92-61-07233-X A: 92-61-07236-4

Article: E: 13143 F: 13157 S: 13172
A: 16050

pp.: 102 Price: 57 CHF
Online

**ITU-D Question 3/2 –
Planning, Management
Operation, and Maintenance
of Telecommunication
Networks**

1998 – (SG2) Final Report

Separate editions in E, F, S

ISBN: E: 92-61-07281-X F: 92-61-07282-8
S: 92-61-07283-6

Article: E: 13149 F: 13163 S: 13178

pp.: 32 Price: 18 CHF
Online

**ITU-D Question 4/1 –
Policies and Ways for
Financing Telecommuni-
cation Infrastructures in
Developing Countries**

1998 – (SG1) Interim Report

Separate editions in E, F, S

ISBN: E: 92-61-07241-0 F: 92-61-07242-9
S: 92-61-07243-7

Article: E: 13144 F: 13158 S: 13173

Paper Price: 49 CHF
Online

**ITU-D Question 4/2 –
Communications for Rural
and Remote Areas**

1998 – (SG2) Final Report

Separate editions in E, F, S, A

ISBN: E: 92-61-07291-7 F: 92-61-07292-5
S: 92-61-07293-3 A: 92-61-07296-8

Article: E: 13150 F: 13164 S: 13179
A: 16049

pp.: 54 Price: 34 CHF
Online

**ITU-D Question 5/2 – Human
Resources Development and
Management**

1998 – (SG2) Final Report (SG2)

Separate editions in E, F, S

ISBN: E: 92-61-07301-8 F: 92-61-07302-6
S: 92-61-07303-4

Article: E: 13151 F: 13165 S: 13180

pp.: 28 Price: 18 CHF
Online

**ITU-D Question 6/2 – Impact
of Telecommunications in
Health-care and Other Social
Services**

1998 – (SG2) Final Report

Separate editions in E, F, S, A

ISBN: E: 92-61-07311-5 F: 92-61-07312-3
S: 92-61-07313-1

Article: E: 13152 F: 13166 S: 13181
A: 16320

pp.: 142 Price: 128 CHF
Online

ITU on the Web:
www.itu.int/publications

**ITU-D Question 7/2 –
Telecommunication Support
for the Protection of the
Environment**

1998 – (SG2) Final Report

Separate editions in E, F, S

ISBN: E: 92-61-07321-2 F: 92-61-07322-0
S: 92-61-07323-9

Article: E: 13153 F: 13167 S: 13182
pp.: 47 Price: 29 CHF
Online

**ITU-D Question 8/2 –
Public Service Broadcasting
Infrastructure in Developing
Countries**

1998 – (SG2) Final Report

Separate editions in E, F, S

ISBN: E: 92-61-07331-X F: 92-61-07332-8
S: 92-61-07333-6

Article: E: 13154 F: 13168 S: 13183
pp.: 31 Price: 18 CHF
Online

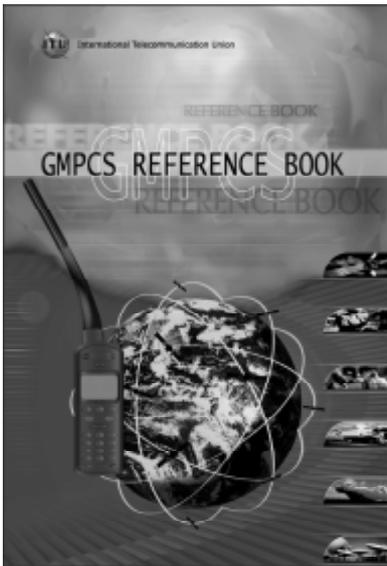
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Telecommunication
Union is the
leading publisher
of international
telecommunication
standards, policy
analysis and statistics**

2.6 MANUALS AND HANDBOOKS

FORTHCOMING

GMPCS Reference Book

December 1999 – Edition 2000



This first edition of the “GMPCS Reference Book” provides information on all aspects of GMPCS services, including reference materials, covering regulatory, technical, operational and commercial implications. Its specifically logical presentation aids the reader in discovering all there is to know about this new breakthrough which could be extremely beneficial to developing countries aiming at Universal Access.

Separate editions in E, F, S

ISBN: E: 92-61-08311-0 F: 92-61-08312-9
S: 92-61-08313-7

Article: E: 16857 F: 16858 S: 16859
Paper Price: 48 CHF
Online

**Guide for the Introduction
of a Computerised
Subscriber Management
System (CSMS)**

1st edition, 1999

The Guide is mainly addressed to Least Developed Countries (LDCs) and developing countries which have less experience in introducing CSMS. The purpose of the guide is to provide some guidance on how to introduce a CSMS and to show how a properly established CSMS will enable a telecommunication operator to manage most of the problem efficiently and cost-effectively, preparing the operator for a future competitive market.

Separate editions in E, F, S

ISBN: E: 92-61-07941-5 F: 92-61-07942-3
S: 92-61-07943-1

Article: E: 14687 F: 14688 S: 14689
pp.: 72 Price: 32 CHF
Online

**Design Guide for Sound
and TV Broadcasting
Production Centres for
Developing Countries**

Edition in E

pp.: 217 Price: 100 CHF

Digital Radio Guide

Edition in E

pp.: 80 Price: 25 CHF

**Guidelines for a New
Approach Using Telecom-
munications Management
Network (TMN)**

1st edition 1999

The Guidelines for an Improvement of Maintenance are TMN oriented. They have been prepared to assist Least Developed Countries (LDCs) and Developing Countries to maximise the effectiveness of their maintenance effort within their Public Telecommunications Operator(s) (PTO) and thereby improve the Quality of their Telecommunications Services. They provide the basic principles of TMN based on ITU-T Recommendation M.3010 and tackle the problem of implementing the strategic approach for planning the improved maintenance based on the concept of TMN.

Separate editions in E, F, S

ISBN: E: 92-61-07951-2 F: 92-61-07952-0
S: 92-61-07953-9

Article: E: 14691 F: 14692 S: 14693
pp.: 184 Price: 68 CHF
Online

Manual on Tendering and Procurement of Broadcasting Systems and Equipment

Separate editions in E, F

pp.: 284 Price: 60 CHF

Model Public Service Broadcasting Law

Separate editions in E, F, S, R

pp.: 56 Price: 25 CHF

Planning Guide for Digital Television Contribution and Distribution Networks

1st edition, January 1999



This publication presents a comprehensive overview of the technical aspects of digital television transmission systems, in particular via geostationary-satellite links, and the new facilities which they provide, at the same time, giving some guidance on the economic considerations which should be made when implementing them. It also covers other transmission systems such as fibre-optic circuits and digital microwave links, and includes an exhaustive glossary of terms and extensive referencing to ITU sources. This is an essential handbook for all TV broadcasters when considering acquiring this new technology.

Edition in E

ISBN: E: 92-61-07671-8

Article: E: 14199

pp.: 112

Price: 40 CHF

Online

Planning Guide in Special Lighting for TV Broadcasting

Edition in E

pp.: 170

Price: 40 CHF

Seminar on New Technologies in Sound and Television Broadcasting

July 1994

Edition in E

pp.: 748

Price: 104 CHF

The Virtual Training Center

1998

This CD-ROM offers a look at the ITU-D activities in the area of information technologies in training and, in particular, initiates the novice on how the Virtual Training Center originated from a worldwide activity called "TeleProject" which now forms part of the ITU Global Telecommunication University/Training Institute. It is aimed at fostering the use of information technologies in the telecommunication training sector, mainly in developing countries.

Edition in E

ISBN: E: 92-61-07131-7

Article: E: 12513

CD-ROM

Price: 30 CHF

Competitive Transformation of Telecommunication Organizations – MANDEVTEL

1997

Separate editions in E, F, S

Article: E: 12936 F: 12935 S: 12937

pp.: 220

Price: 36 CHF

Designing Distance Learning Material

This is a complete self-learning course. It explains, in a practical form, how to develop training material to be used in a distance-training context, independent of the specific media used for the actual delivery.

Online

Price: 300 CHF

Using the Internet for Distance Learning

This is a complete self-learning course. It explains, in a practical form, the use of the Internet to deliver training courses via the Internet. It includes Web page design, as well as organization of remote tutorial interaction using a range of computer-mediated-communication media.

Edition in E

Online

Price: 300 CHF

Manual on Mobile Communications Development

1997

Under the Buenos Aires Action Plan, the BDT has developed this manual to assist developing countries in the planning and engineering of mobile Communications taking into consideration all kinds of technologies worldwide with emphasis on the development of a business plan criteria.

Separate editions in E, F, S

ISBN: E: 92-61-06631-3 F: 92-61-06632-1
S: 92-61-06633-X

Article: E: 11166 F: 15665 S: 15666

pp.: 196

Price: 40 CHF

Reference Manual – Guide for the Production of a Diagnosis-Evaluation and Plan for Establishing or Improving a Telecommunication Training System

1997

Separate editions in E, F

pp.: 130

Price: 25 CHF



www.itu.int

2. PUBLICATIONS OF THE ITU-D SECTOR (DEVELOPMENT)

Useful Reading for Directors and Managers – General Principles of Telecommunication Management (Volume I)

1993

Separate editions in E, F, S

Article: E: 12311 F: 12826 S: 16210
pp.: 196 Price: 34 CHF

Useful Reading for Directors and Managers – General Principles of Telecommunication Management (Volume II)

1996

Separate editions in E, F, S

Article: E: 12312 F: 12827 S: 16211
pp.: 200 Price: 33 CHF

Windows Basic Automated Spectrum Management System (WinBASMS)

2nd edition – August 1997

Software.

Separate editions in E, F, S

Article: E: 12293 F: 12294 S: 12295
Diskette Price: 100 CHF

Windows Basic Automated Spectrum Management System (WinBASMS)

2nd edition – August 1997

User manual.

Separate editions in E, F, S, A

Article: E: 12290 F: 12291 S: 12292
Paper Price: 48 CHF

Directory of Training Centres

5th edition – January 1998

This Directory gives the names, addresses and telephone and/or telex numbers of telecommunication training centres, together with general information on student capacity, entry levels, etc. This Directory is also available electronically from the ITU Website in a Word for Windows format which is updated regularly.

Multilingual edition in E, F, S

ISBN: 92-61-06737-9

Article: 12020
pp.: 228 Price: 40 CHF

Training Development Guidelines

1994

This publication is intended primarily as a guide for course developers and adaptors in their efforts to carry out, control and follow up a training development project in a systematic manner. This approach used in the TDG is based on a "systems approach model" considering the organization as a system.

Separate editions in E, F, S

ISBN: E: 92-61-05081-6 F: 92-61-05082-4
S: 92-61-05083-2

Article: E: 4132 F: 4131 S: 4133
pp.: 600 Price: 90 CHF

Partners in Development: Telecommunications – The First Link

1994

This publication deals with outstanding issues where BDT has a role to play, such as the importance of telecommunications for social, cultural and economic progress, the evolution of the regulatory function, creation of an attractive investment climate, partnership with the private sector, universal access to basic telecommunication services, rural telecommunication development and the corresponding technology challenges and opportunities. Brief case studies conclude the report:

Making a rural network profitable (Bolivia), computer-based network planning (Indonesia), liberalizing the telecom market (Malta), and carrying out PTT-wide organizational reform (Ukraine).

Separate editions in E, F, S

Article: E: 10751 F: 10750 S: 10752
pp.: 24 Price: 10 CHF

Restructuring of Telecommunications for Development: Evolution, Policies and Trends

1994

This report summarizes and analyses the current trends in structural reforms and traces the process of transforming monolithic into multiple network and service configurations with growing participation of the private sector. Policy formulation, the institutional and regulatory evolution as well as market- and business-oriented investment and finance strategies are reviewed for a broad cross-section of countries. Case studies of Senegal and Pakistan highlight critical issues of structural reform. The annexes contain the results of ITU restructuring conferences with policy makers, financial institutions and development agencies in Washington D.C. 1991, Tunis 1992 and Moscow 1993.

Separate editions in E, F, S, A

Article: E: 10747 F: 10746 S: 10748
pp.: 36 Price: 20 CHF

Rural Telecommunications, Volume I – Radio Systems in Rural Areas

1994

This volume describes low capacity radio-relay systems, mobile telecommunication systems, subscriber radio systems, HF digital systems, digital troposcatter systems, satellite systems

for rural areas. It makes also an economical and quality comparison among satellite, troposcatter and HF rural systems.

Separate editions in E, F, S, R, C

ISBN: E: 92-61-05031-X F: 92-61-05032-8
S: 92-61-05033-6

Article: E: 4333 F: 4329 S: 4337
R: 10681

pp.: 272 Price: 67 CHF

Rural Telecommunications, Volume II – Switching, ISDN, Financing Aspects and Use of Fibres for Rural Networks

1994

This volume describes switching systems for rural areas, the introduction of ISDN in rural networks, cost studies, business plans and financing aspects, as well as the utilization of optical fibres for rural areas.

Separate editions in E, F, S, R, C

ISBN: E: 92-61-05041-7 F: 92-61-05042-5
S: 92-61-05043-3

Article: E: 4334 F: 4330 S: 4338

pp.: 164 Price: 47 CHF

Rural Telecommunications, Volume III – Basic Aspects, Problems, Criteria, Instructions and Suggestions Concerning Maintenance of Rural Telecommunications Networks

1994

This volume gives the performance concepts and related basic definitions, the service monitoring and quality, the network performance, the maintenance organization and analysis, the computer aided operation, administration and maintenance and the computerized systems for maintenance management.

Separate editions in E, F, S, R, C

ISBN: E: 92-61-05051-4 F: 92-61-05052-2
S: 92-61-05053-0

Article: E: 4335 F: 4331 S: 4339

pp.: 82 Price: 23 CHF

Rural Telecommunications, Volume IV – Case Studies of Rural Countries

1994

This volume treats the development of a methodology for the implementation of a rural telecommunication network. Two case studies (Republic of Cameroon and Republic of Indonesia) illustrate practically the theoretical information and concepts developed in the Rural Telecommunications Handbook.

Separate editions in E, F, S, C

ISBN: E: 92-61-05061-1 F: 92-61-05062-X
S: 92-61-05063-8

Article: E: 4336 F: 4332 S: 4340

pp.: 170 Price: 42 CHF

Strategic Planning

1993

A guideline for managers and consultants on organizational development, human resources management and development strategy models.

Separate editions in E, F, S

Article: E: 10893 F: 10894 S: 10895

pp.: 222 Price: 30 CHF

Rural Telecommunications – Volume I

(GAS 7)

Case studies on Rural Telecommunications

Separate editions in E, F, S, A

Article: E: 1490 F: 1489 S: 1491
A: 3166

Paper Price: 25 CHF

Rural Telecommunications – Volume II

(GAS 7)

Training Handbook on Rural Telecommunications (first part)

Separate editions in E, F, S, A

Article: E: 1517 F: 1516 S: 1518
A: 3050

Paper Price: 47 CHF

Rural Telecommunications – Volume III

(GAS 7)

Training Handbook on Rural Telecommunications (second part)

Separate editions in E, F, S, A

Article: E: 1521 F: 1520 S: 1522

Paper Price: 24 CHF

Rural Telecommunications – Volume IV

(GAS 7)

Handbook on economics and financing of telecommunications project in developing countries

Separate editions in E, F, S, A

Article: E: 1525 F: 1524 S: 1526
A: 3049

Paper Price: 14 CHF

Rural Telecommunications – Volume V

(GAS 7)

Particular topics on rural telecommunications

Separate editions in E, F, S, A

Article: E: 1529 F: 1528 S: 1530

Paper Price: 15 CHF

Handbook on Case Studies on the Digitalization of Regional Networks

1992 (GAS 9)

Separate editions in E, F, S

ISBN: E: 92-61-04641-X F: 92-61-04642-6
S: 92-61-04643-6

Article: E: 2720 F: 2719 S: 2721

Paper Price: 33 CHF

Handbook on Case Studies on the Progressive Introduction of ISDN in a National Network

1992 (GAS 9)

Separate editions in E, F, S, C

ISBN: E: 92-61-04621-5 F: 92-61-04622-3
S: 92-61-04623-1

Article: E: 2590 F: 2589 S: 2591

Paper Price: 43 CHF

Strategy for the Introduction of a New Non-Voice Telecommunication Services in Developing Countries

1993 (GAS 12)

Separate editions in E, F, S

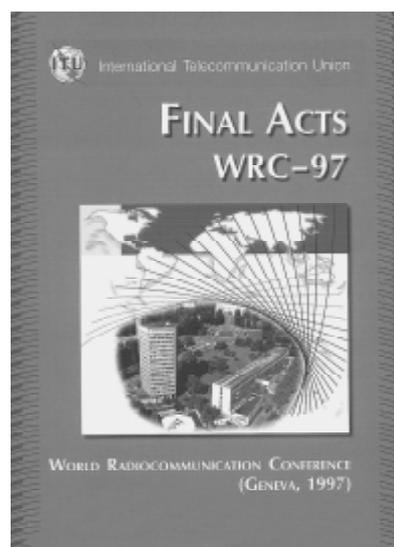
ISBN: E: 92-61-04651-7 F: 92-61-04652-5
S: 92-61-04653-3

Article: E: 2747 F: 2746 S: 2748

Paper Price: 75 CHF



3.1 FINAL ACTS

Final Acts of the World Radiocommunication Conference (WRC-97)*Geneva, 1997*

The Final Acts record the decisions taken at the World Radiocommunication Conference, 1997 (WRC-97). They include

the new and revised provisions of the Radio Regulations and associated Appendices, as well as the new and revised Resolutions and Recommendations adopted by the Conference. Statements made by Member States at the time of signing the Final Acts are also included.

Separate editions in E, F, S, R, C, A

ISBN: E: 92-61-07121-X F: 92-61-07122-8
S: 92-61-07123-6 R: 92-61-07124-4

Article: E: 12538 F: 12539 S: 12540
R: 12868 C: 13230

pp.: 755 Price: 120 CHF
CD-ROM, online

Final Acts of the World Radiocommunication Conference (WRC-95)*Geneva, 1995*

This edition of the Final Acts is incorporated in the 1998 edition of the Radio Regulations. It contains revisions of the Radio Regulations, Articles S1-S59, Appendices S1-S18, S25 and S42, as well

as the Final Protocol, the Resolutions and Recommendations.

Separate editions in E, F, S, R, C, A

ISBN: E: 92-61-06151-6 F: 92-61-06152-4
S: 92-61-06153-2 R: 92-61-06154-0
C: 92-61-06155-9 A: 92-61-06156-7

Article: E: 6816 F: 6815 S: 6817
R: 9561 C: 12021 A: 9649

pp.: 650 Price: 120 CHF

Final Acts of the Regional Administrative Radio Conference for the Planning of VHF/UHF Television – Broadcasting in the African Broadcasting Area and Neighbouring Countries*Geneva, 1989*

Separate editions in E, F, S, A

ISBN: E: 92-61-03991-X F: 92-61-03992-8
S: 92-61-03993-6 A: 92-61-03996-0

Article: E: 2266 F: 2265 S: 2267
A: 2268

pp.: 128 Price: 38 CHF

3.2 REGULATORY PUBLICATIONS (INCLUDING SERVICE DOCUMENTS)

Radio Regulations – Volumes 1, 2, 3 and 4*1998 Edition – A4 format*

The Radio Regulations, edition of 1998, contains the complete texts of the Radio Regulations as adopted by the World Radiocommunication Conference (Geneva, 1995) (WRC-95) and subsequently revised and adopted by the World Radiocommunication Conference (Geneva, 1997) (WRC-97), including all Appendices, Resolutions,

Recommendations and ITU-R Recommendations incorporated by reference.

Separate editions in E, F, S, R, A

ISBN: E: 92-61-07611-4 F: 92-61-07612-2
S: 92-61-07613-0 A: 92-61-07626-2

Article: E: 13837 F: 13838 S: 13839
R: 14718 A: 15708

pp.: 1844 Price: 230 CHF

**The International Telecommunication Union
is the leading publisher of
international telecommunication standards,
policy analysis and statistics**

Radio Regulations – Volumes 1, 2, 3 and 4

1998 – A5 format

Separate editions in E, F, S

ISBN: E: 92-61-07621-1 F: 92-61-07622-X
S: 92-61-07623-8

Article: E: 13841 F: 13842 S: 13843
R: 16165

pp.: 1844 Price: 230 CHF

Radio Regulations – Volumes 1, 2, 3 and 4

1998 – CD-ROM

The texts are available in Adobe Acrobat PDF format, as well as in their original Word for Windows format.

Multilingual edition in E, F, S

ISBN: 92-61-07637-8

Article: 13845

CD-ROM Price: 230 CHF

Radio Regulations – Volume 4

1996 update

This update of the Radio Regulations, 1990 edition, is superseded by the 1998 edition. It is retained here as a historical reference.

Separate editions in E, F, S, R, A

ISBN: E: 92-61-06271-7 F: 92-61-06272-5
S: 92-61-06273-3 A: 92-61-05176-6

Article: E: 6977 F: 6978 S: 6979
R: 10544 A: 10898

pp.: 500 Price: 70 CHF

Radio Regulations – Volumes 1, 2 and 3

1990 edition, revised in 1994

This edition of the Radio Regulations is superseded by the 1998 edition. It is retained here as a historical reference.

Separate editions in E, F, S, R, A

ISBN: E: 92-61-05171-5 F: 92-61-05172-3
S: 92-61-05173-1 A: 92-61-05176-6

Article: E: 4343 F: 4342 S: 4344
R: 10543 A: 11951

pp.: 2634 Price: 155 CHF

Rules of Procedure

1998 edition, Geneva, 1999



This publication contains the official Rules of Procedure which were adopted by the Radio Regulations Board on the basis of proposals submitted by the Radiocommunication Bureau in accordance with No. 95 of the Constitution and No. 168 of the Convention of the International Telecommunication Union.

Separate editions in E, F, S

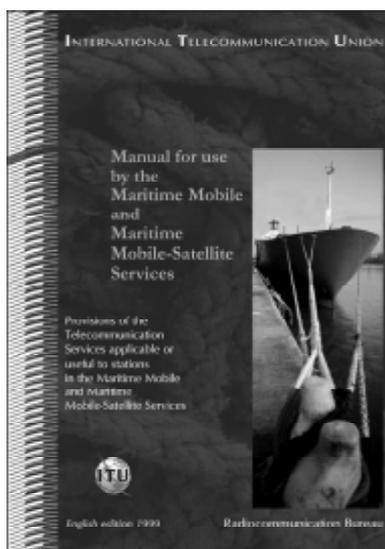
ISBN: E: 92-61-07691-2 F: 92-61-07692-0
S: 92-61-07693-9

Article: E: 14196 F: 14197 S: 14198

pp.: 262 Price: 86 CHF

Manual for Use by Maritime Mobile and Maritime Mobile-Satellite Services

Edition 1999



This new edition of the Manual for use by the Maritime Mobile and Maritime Mobile-Satellite Services reflects the regulatory provisions and the latest decisions concerning those services by

conferences of the ITU (including relevant decisions pertaining to the introduction of new systems and techniques).

Separate editions in E, F, S

ISBN: E: 92-61-08031-6 F: 92-61-08032-4
S: 92-61-08033-2

Article: E: 15640 F: 15641 S: 15642

pp.: 540 Price: 55 CHF

Online

Manual for Use by Maritime Mobile and Maritime Mobile-Satellite Services

Edition 1999

Multilingual edition in E, F, S

ISBN: 92-61-08037-5

Article: 15643

CD-ROM Price: 55 CHF

Excerpts of ITU Radiocommunication Texts Concerning the Amateur Service and Amateur-Satellite Service

1995

This fascicle contains reprints of selected parts of the Radio Regulations, and ITU-R Questions, Recommendations and a Report concerning the amateur and amateur-satellite services. It is intended to concentrate in one volume all ITU texts concerning these services. It will be useful for national services in charge of radio-frequency spectrum management. It is also intended for radio amateurs wishing to keep abreast of the status of the amateur services from the standpoint of the Radio Regulations and Recommendations in force.

Separate editions in E, F, S

ISBN: E: 92-61-05631-8 F: 92-61-05632-6
S: 92-61-05633-4

Article: E: 6708 F: 6709 S: 6710

pp.: 130 Price: 25 CHF

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on the Web:
www.itu.int/publications

NEW

BR International Frequency Information Circular (BR IFIC)

2000

Terrestrial Services

BR International Frequency Information Circular Terrestrial Services is a service document in CD-ROM format, published once every two weeks by the Radiocommunication Bureau in accordance with provision Nos. S20.2 to S20.6 and No. S20.15 of the Radio Regulations.

It contains information on the frequency assignments for all terrestrial services submitted by Administrations to the Radiocommunication Bureau for recording in the Master International Frequency Register and in the various regional or worldwide Plans/Agreements. The information published corresponds to the recorded assignments as well as the notifications still under treatment.

Space Services

The BR International Frequency Information Circular (BR IFIC) – Space Services is a service document on CD-ROM in the Portable Document Format (PDF) published once every two weeks by the Radiocommunication Bureau in accordance with provision No. S20.13 and No. S20.15 of the Radio Regulations.

It contains information on the frequency assignments to a space station, an earth station or a radioastronomy station submitted by Administrations to the Radiocommunication Bureau for recording in the Master International Frequency Register, as well as those that are submitted under the relevant provisions of the Radio Regulations or which are subject to the Appendices S30, S30A and S30B Plans. The information published corresponds to the recorded assignments as well as the notifications still under treatment.

Multilingual edition in E, F, S

Yearly subscription: 3500 CHF

Per issue: 300 CHF

CD-ROM

NEW

High Frequency Broadcasting Schedule on CD-ROM

2000

This publication on CD-ROM contains the up-to-date High Frequency Broadcasting Schedule notified to ITU and propagation data for interference analysis, together with calculation software. A CD-ROM package is issued at the end of the following months: January to May and July to December.

Multilingual edition in E, F, S

ISBN: 92-61-07687-4

CD-ROM

Price: 900 CHF

Frequency Assignment Plans on CD-ROM

September 1998

This edition of Frequency Assignment Plans on CD-ROM contains information relating to the frequency assignment Plans established at Regional Administrative Conferences and maintained by the Radiocommunication Bureau (BR). It represents the latest updated information on the plans governed by the Regional Agreements GE75, RJ81, GE85-MM-R1, GE85-EMA and RJ88 which will be superseded, by January 2000 at the latest, with the regular publication of BR IFIC. The information concerning the broadcasting plans (ST61, GE84, GE89) is superseded with the information contained in BRIFIC (regular publication as from 24 August 1999).

Multilingual edition in E, F, S

ISBN: 92-61-07547-9

Article: 13671

CD-ROM

Price: 430 CHF

The International Frequency List (IFL) on CD-ROM

December 1999

This edition of the International Frequency List (IFL) on CD-ROM contains information relating to all frequency assignments recorded in the Master International Frequency Register (MIFR) and maintained by the BR. It represents the latest updated information on frequency assignments which were provided to the BR by

the Administrations in accordance with the Appendix S4 (Appendix 1) of the Radio Regulations which were subsequently treated and recorded in the MIFR by 31 March 1999. As from January 2000, this publication will be completely superseded with the new regular publication of BR IFIC. The information concerning the assignments to the broadcasting service in the VHF/UHF bands is already superseded with the information contained in BRIFIC (regular publication as from 24 August 1999).

Multilingual edition in E, F, S

ISBN: 92-71-17011-3

Article: 16512

CD-ROM

Price: 300 CHF

Preface to the International Frequency List, the Space Radiocommunication Stations on CD-ROM and the Weekly Circular

November 1998

The Preface to the International Frequency List (IFL), Space Radiocommunication Stations on CD-ROM (SRS on CD-ROM) and the Weekly Circular (WIC) contains their description and the explanation of abbreviations, symbols and coded remarks contained therein. As from 24 August 1999, this publication is superseded with the information contained in the new regular publication of BR IFIC.

Separate editions in E, F, S

ISBN: E: 92-61-07841-9 F: 92-61-07842-7
S: 92-61-07843-5

Article: E: 13808 F: 13811 S: 13814

pp.: 350

Price: 68 CHF

Preface to the International Frequency List, the Space Radiocommunication Stations on CD-ROM and the Weekly Circular

March 1999 update

As from 24 August 1999, this publication is superseded with the information contained in the new regular publication of BR IFIC.

Separate editions in E, F, S

ISBN: E: 92-61-07851-6 F: 92-61-07852-4
S: 92-61-07853-2

Article: E: 13809 F: 13812 S: 13815

pp.: 200

Price: 36 CHF



List IV – List of Coast Stations

17th edition, 2000

This List is a service document published by the ITU in pursuance of Article S20 of the Radio Regulations (Edition of 1998). It is published every two years and is kept up-to-date by means of three semi-annual supplements. This List shall be provided to stations on board ships for which a Morse radiotelegraph installation is required by international agreement, as prescribed by Appendix S16 to the mentioned Regulations.

Multilingual edition in E, F, S

ISBN: 92-71-11031-5

Article: 16647

pp.: 1100

Price: 64 CHF

is required by international agreement, as prescribed in Appendix S16 to the mentioned Regulations.

Multilingual edition in E, F, S

ISBN: 92-71-23033-7

Article: 15625

pp.: 3163

Price: 98 CHF

Maritime Mobile Access and Retrieval System (MARS)

Free of charge

This is a remote online access and retrieval system of the corresponding ship station database information system. It contains data relating to particulars of over 300,000 registered ship stations, Accounting Authorities and Administrations and Geographical areas with the allocation tables of their MID and call-sign series and their addresses. The system was developed by the ITU at the request of some Member States, for assisting search and rescue centres in identifying vessels in distress. The system is updated on a weekly basis and is available on the ITU's Website (www.itu.int/MARS/).

Edition in E

Online

List V – List of Ship Stations

39th edition, 1999



This List is a service document published by the ITU in pursuance of Article S20 of the Radio Regulations (Edition of 1998). It is published annually and is kept up-to-date by means of two quarterly supplements in addition to a half-yearly recapitulative supplement. This List shall be provided to stations on board ships for which a GMDSS installation is required by international agreement; and ships for which a Morse radiotelegraph installation

FORTHCOMING

List VI – List of Radiodetermination and Special Service Stations

14th edition, June 2000

Multilingual edition in E, F, S

Article: 16580

Paper

Price: 68 CHF

ITU on the Web:
www.itu.int/publications

List VI – List of Radiodetermination and Special Service Stations

13th edition, 1997

This List is a service document published by the ITU in pursuance of Article S20 of the Radio Regulations (Edition of 1998). It is published at intervals determined by the Secretary-General, normally about every three and a half years, and is kept up-to-date by supplements issued every six months. This List shall be provided to Ship stations for which a Morse radiotelegraph installation is required by international agreement.

Multilingual edition in E, F, S

ISBN: 92-71-07034-8

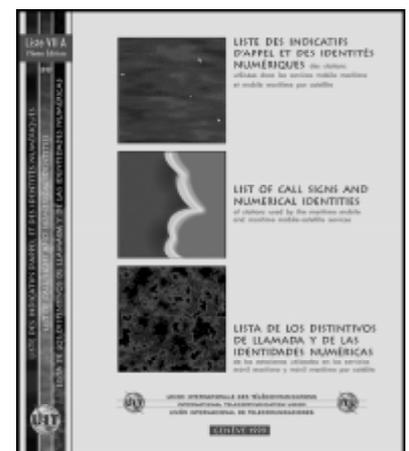
Article: 10499

pp.: 1200

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List VII A – List of Call Signs and Numerical Identities of Stations Used by the Maritime Mobile and Maritime Mobile-Satellite Services

19th edition, 1999



This List is a service document published by the ITU in pursuance of Article S20 of the Radio Regulations (Edition of 1998). It is published every two years and is kept up-to-date by quarterly supplements. This List shall be provided to stations on board ships for which a GMDSS installation is required by international agreement and

ships for which a Morse radiotelegraph installation is required by international agreement, as prescribed in Appendix S16 to the mentioned Regulations.

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List VII B – Alphabetical List of Call Signs of Stations other than Amateur Stations, Experimental Stations and Stations of the Maritime Mobile Services

16th edition, 1999

The List is a service document published by the ITU and contains an alphabetical list of stations below 28 MHz that conform to Article S19, call-sign formation and Appendix S42 of the Radio Regulations (edition 1998). It is published at intervals decided by the Secretary-General, normally every two years, and kept up-to-date by recapitulative supplements issued every six months.

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List VIII – List of International Monitoring Stations

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This List is a service document published by the ITU in pursuance of Article S20 of the Radio Regulations (Edition of 1998). It is published at intervals determined by the Secretary-General, normally every five years. The list contains, in a tabulated form, particulars of monitoring stations participating in international monitoring. Information for updating this list is published in the Operational Bulletin

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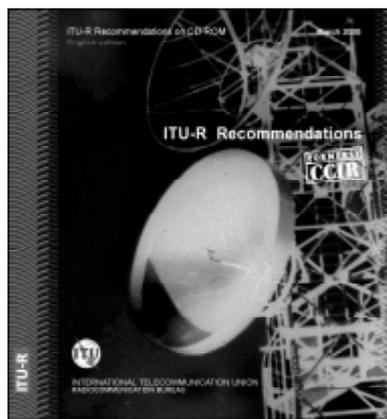
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SA.1159-2, SA.1160-2, SA.1161-1,
SA.1163-2, SA.1164-2, SA.1166-2,
SA.1258-1, SA.1396, SA.1414, SA.1415,
SA.1416

Separate editions in E, F, S

ISBN: E: 92-61-08271-8 F: 92-61-08272-6
S: 92-61-08273-4

Article: E: 16715 F: 16716 S: 16717

pp.: 140

Price: 41 CHF

Online

ITU-R Recommendations, Volume 1997 – SF Series

1997 (SG 4-9)

Frequency sharing between the fixed-
satellite service and the fixed service

Separate editions in E, F, S, R, A

Article: E: 12076 F: 12101 S: 12126
R: 14108 A: 12982

pp.: 192

Price: 74 CHF

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ITU-R Recommendations – SF Series – Supplement 1 to Volume 1997

2000 (SG 4-9)

Frequency sharing between the fixed-
satellite service and the fixed service

Separate editions in E, F, S

Paper, online

ITU-R Recommendations, Volume 1997 – SM Series

1997 (SG 1)

Spectrum management

Separate editions in E, F, S, R, A

ISBN: R: 92-61-06604-6 A: 92-61-06856-1

Article: E: 12077 F: 12102 S: 12127
A: 16311

pp.: 412

Price: 129 CHF

ITU-R Recommendations – SM Series – Supplement 1 to Volume 1997

1998 (SG 1)

Spectrum management

Rec. ITU-R SM.1370

Separate editions in E, F, S, A

ISBN: E: 92-61-07471-5 F: 92-61-07472-3
S: 92-61-07473-1

Article: E: 13232 F: 13233 S: 13234
A: 16834

pp.: 44

Price: 10 CHF

Online

ITU-R Recommendations – SM Series – Supplement 2 to Volume 1997

1999 (SG 1)

Spectrum management

Recs. ITU-R SM.326-7, SM.1268-1,
SM.1392, SM.1393, SM.1394

Separate editions in E, F, S, A

ISBN: E: 92-62-07791-9 F: 92-62-07792-7
S: 92-62-07793-5

Article: E: 14382 F: 14383 S: 14384
A: 16835

pp.: 44

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ITU-R Recommendations – SM Series – Supplement 3 to Volume 1997

2000 (SG 1)

Spectrum management
Separate editions in E, F, S

Paper, online

ITU-R Recommendations, Volume 1997 – SNG Series

1997 (SG 4)

Satellite news gathering
Separate editions in E, F, S, R, A

Article: E: 12078 F: 12103 S: 12128
R: 13108 A: 13798

pp.: 40 Price: 21 CHF

FORTHCOMING

ITU-R Recommendations – SNG Series – Supplement 1 to Volume 1997

2000 (SG 4)

Satellite news gathering
Separate editions in E, F, S

Paper, online

ITU-R Recommendations, Volume 1997 – TF Series

1997 (SG 7)

Time signals and frequency standards emissions

Separate editions in E, F, S, R, A

ISBN: A: 92-61-06906-1

Article: E: 12079 F: 12104 S: 12129
R: 14456 A: 16044

pp.: 140 Price: 55 CHF

ITU-R Recommendations – TF Series – Supplement 1 to Volume 1997

1998 (SG 7)

Time signals and frequency standards emissions

Recs. ITU-R TF.374-4, TF.458-3, TF.486-2, TF.535-2, TF.536-1, TF.582-2, TF.767-1

Separate editions in E, F, S, A

ISBN: E: 92-61-07561-4 F: 92-61-07562-2
S: 92-61-07563-0 A: 92-61-07566-5

Article: E: 13547 F: 13548 S: 13549
A: 16047

pp.: 18 Price: 8 CHF
Online

FORTHCOMING

ITU-R Recommendations – TF Series – Supplement 2 to Volume 1997

2000 (SG 7)

Time signals and frequency standards emissions

Separate editions in E, F, S

Paper, online

ITU-R Recommendations, Volume 1997 – V Series

1997 (SG CCV)

Vocabulary and related subjects

Separate editions in E, F, S

ISBN: E: 92-61-07071-X F: 92-61-07072-8
S: 92-61-07073-6

Article: E: 12080 F: 12105 S: 12130
pp.: 136 Price: 49 CHF

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Rio de Janeiro, Brazil, 10-15 April 2000**

3.4 ITU-R REPORTS

ITU-R Reports, 1995 – BO Series

1995 (WP 10-11S)

This publication contains five Reports dealing with the broadcasting-satellite service:

Report ITU-R BO.810-4: Transmitting and receiving antenna technology and reference patterns for the BSS.

Report ITU-R BO.812-4: Computer programs for planning broadcasting-satellite services in the 12 GHz band.

Report ITU-R BO.955-3: Satellite sound broadcasting to vehicular, portable and fixed receivers in the range 500-3 000 MHz.

Report ITU-R BO.1075-2: High-definition television by satellite.

Report ITU-R BO.1227-1: Satellite-broadcasting systems of ISDB (integrated services digital broadcasting).

Separate editions in E, F, S, R

ISBN: E: 92-61-05721-7 F: 92-61-05722-5
S: 92-61-05723-3

Article: E: 5740 F: 5739 S: 5741
R: 11700

pp.: 286 Price: 67 CHF

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www.itu.int/publications**

ITU-R Reports, 1995 – BO Series

1995 (WP 10-11S)

This publication contains three Reports dealing with the broadcasting-satellite service (sound and television):

Report ITU-R BO.2006: Introduction of satellite and complementary terrestrial digital sound broadcasting in the WARC-92 frequency allocations.

Report BO.2007: Considerations for the introduction of BSS (HDTV) systems, and

Report BO.2008: Digital multiprogramme broadcasting by satellite.

Separate editions in E, F, S, R

ISBN: E: 92-61-05801-9 F: 92-61-05802-7
S: 92-61-05803-5

Article: E: 5783 F: 5782 S: 5784

pp.: 45 Price: 20 CHF

ITU-R Report BO.2016 – BSS systems for the 40.5-42.5 GHz band

1998

Separate editions in E, F, S

ISBN: E: 92-61-07701-3 F: 92-61-07702-1
S: 92-61-07703-X

Article: E: 14331 F: 14332 S: 14333

pp.: 14 Price: 8 CHF
Online



ITU-R Report BO.1227-2 – Satellite broadcasting systems of integrated services digital broadcasting ITU-R Report BO.2007-1 – Considerations for the introduction of broadcasting satellite service high definition television systems ITU-R Report BO.2008-1 – Digital multiprogramme broadcasting by satellite

1999

Separate editions in E, F, S

ISBN: E: 92-61-08121-5 F: 92-61-08122-3
S: 92-61-08123-1

Article: E: 15862 F: 15863 S: 15864

pp.: 110 Price: 27 CHF
Online

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ITU-R Report BO.2019 – Interference calculation methods

1999

Separate editions in E, F, S

ISBN: E: 92-61-08211-4 F: 92-61-08212-2
S: 92-61-08213-0

Article: E: 16204 F: 16205 S: 16206

pp.: 35 Price: 13 CHF
Online

ITU-R Reports, 1995 – BS Series

1995 (SG 10)

This Publication contains three Reports on the broadcasting service (sound):

Report ITU-R BS.1203-1: Digital sound broadcasting to vehicular, portable and fixed receivers using terrestrial transmitters in the UHF/VHF bands.

Report ITU-R BS.2001: Ancillary services for the visually impaired and hearing impaired in multi-channel sound systems.
Report ITU-R BS.2002: Introduction of satellite and complementary terrestrial digital sound broadcasting in the WARC-92 frequency allocations.

Separate editions in E, F, S

ISBN: E: 92-61-05741-1 F: 92-61-05742-X
S: 92-61-05743-X

Article: E: 5744 F: 5743 S: 5745

pp.: 148 Price: 39 CHF

ITU-R Reports, 1995 – BS Series

1995 (SG 10)

This publication contains Report ITU-R BS.2004: Digital broadcasting systems intended for AM bands.

Separate editions in E, F, S

ISBN: E: 92-61-05811-6 F: 92-61-05812-4
S: 92-61-05813-2

Article: E: 5779 F: 5778 S: 5780

pp.: 10 Price: 11 CHF

ITU-R Reports, 1995 – BT Series

1995 (SG 11)

This publication contains two Reports on the broadcasting service (television):
Report ITU-R BT.961-2: Terrestrial television broadcasting in bands above 2 GHz.
Report ITU-R BT.2003: The harmonization of HDTV standards between broadcast and non-broadcast applications.

Separate editions in E, F, S

ISBN: E: 92-61-05731-4 F: 92-61-05732-2
S: 92-61-05733-0

Article: E: 5748 F: 5747 S: 5749

pp.: 60 Price: 21 CHF

ITU-R Reports, 1995 – BT Series

1995 (SG 11)

This publication contains Report ITU-R BT.2005: Bit-rate reduction for digital TV signals.

Separate editions in E, F, S

ISBN: E: 92-61-05821-3 F: 92-61-05822-1
S: 92-61-05823-X

Article: E: 5787 F: 5786 S: 5788

pp.: 5 Price: 10 CHF



ITU-R Report BT.2017 – Stereoscopic Television MPEG-2 multi-view Profile ITU-R Report BT.2018 – Study of the System C Ghost Cancelling Reference Signal for the Evaluation and Correction of Linear Distortion in the Television Chain

1999

Separate editions in E, F, S

ISBN: E: 92-61-08111-8 F: 92-61-08112-6
S: 92-61-08113-4

Article: E: 15859 F: 15860 S: 15861

pp.: 35 Price: 13 CHF
Online



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3. PUBLICATIONS OF THE ITU-R SECTOR (RADIOCOMMUNICATIONS)

FORTHCOMING

ITU-R Report BT.2020-1 – Report on the Objective Quality Assessment Technology in a Digital Environment

2000

Separate editions in E, F, S

Paper, online

ITU-R Reports, 1995 – M Series – Part 1

1995 (SG 8)

This publication contains three Reports on the land mobile service excluding Future Public Land Mobile Telecommunication Systems (FPLMTS):

Report ITU-R M.358-5: Protection ratios and minimum field strengths required in the mobile services.

Report ITU-R M. 739-1: Interference due to intermodulation products in the land-mobile service between 25 and 1 000 MHz.

Report ITU-R M.742-4: Public Land Mobile Telephone Systems.

Separate editions in E, F, S

ISBN: E: 92-61-05861-2 F: 92-61-05862-0
S: 92-61-05863-9

Article: E: 6073 F: 6072 S: 6074

pp.: 56 Price: 20 CHF

ITU-R Reports, 1995 – M Series – Part 3

1995 (SG 8)

This publication contains two Reports on the maritime mobile service and aeronautical mobile service:

Report ITU-R M.2009: Direct-dial telephone systems for the maritime mobile service.

Report ITU-R M.2010: Improved efficiency in the use of the band 156-174 MHz by stations in the maritime mobile service.

Separate editions in E, F, S

ISBN: E: 92-61-05871-X F: 91-62-05872-8
S: 92-61-05873-6

Article: E: 6077 F: 6076 S: 6078

pp.: 32 Price: 15 CHF

ITU-R Report M.2013 – Wind Profilers Radars, ITU-R Report M.2014 – Spectrum Efficient Digital Land Mobile Systems for Dispatch Traffic

1998

Separate editions in E, F, S

ISBN: E: 92-61-07601-7 F: 92-61-07602-5
S: 92-61-07603-3

Article: E: 13804 F: 13803 S: 13805

pp.: 84 Price: 30 CHF

ITU-R Report M.2010-1 – Improved Efficiency in the Use of the Band 156-174 MHz by Stations in the Maritime Mobile Service

1999 (SG 8)

Separate editions in E, F, S

ISBN: E: 92-61-07901-6 F: 92-61-07902-4
S: 92-61-07903-2

Article: E: 14503 F: 14504 S: 14505

pp.: 30 Price: 14 CHF
Online

ITU-R Report P.2011 – Propagation at Frequencies above the Basic MUF

1997 (SG 3)

This report describes the various mechanisms which may contribute to propagation above the basic MUF and provides information on the production of signal interaction at such frequencies.

Separate editions in E, F, S

ISBN: E: 92-61-06561-9 F: 92-61-06562-7
S: 92-61-06563-5

Article: E: 10833 F: 10834 S: 10835

pp.: 10 Price: 12 CHF

ITU on the Web:
www.itu.int/publications

ITU-R Report SM.2012 – Economic Aspects of Spectrum Management

1997 (SG 1)

This report describes various economic approaches for spectrum management activities.

Separate editions in E, F, S, R

ISBN: E: 92-61-06601-X F: 92-61-06601-1
S: 92-61-06603-8

Article: E: 11080 F: 11081 S: 11082
R: 15462

pp.: 78 Price: 22 CHF

ITU-R Report SM.2015 – Methods for Determining National long-term Strategies for Spectrum Utilization

1998

Separate editions in E, F, S

ISBN: E: 92-61-07711-0 F: 92-61-07712-9
S: 92-61-07713-7

Article: E: 14335 F: 14336 S: 14337

pp.: 20 Price: 11 CHF
Online

CCIR Atlas of Ionospheric Characteristics

1991

(former CCIR Report 340-6)

Multilingual edition in E, F, S

ISBN: 92-61-04417-4

Article: 1916

Paper Price: 33 CHF

Annex to Volume V: XVIIth Plenary Assembly of the CCIR

Düsseldorf, 1990

Propagation in non-ionized media

Separate editions in E, F, S, R

ISBN: E: 92-61-04211-2 F: 92-61-04212-0
S: 92-61-04213-9

Article: E: 5817 F: 5802 S: 5832

Paper Price: 67 CHF

Annex to Volume VI: XVIIth Plenary Assembly of the CCIR

Düsseldorf, 1990

Propagation in ionized media

Separate editions in E, F, S, R

ISBN: E: 92-61-04221-X F: 92-61-04222-8
S: 92-61-04223-6

Article: E: 5818 F: 5803 S: 5833
Paper Price: 41 CHF

Annexes to Volume VIII: XVIIth Plenary Assembly of the CCIR

Düsseldorf, 1990

Mobile, radiodetermination, amateur and related satellite services

Annex I: Land mobile service – amateur service – amateur-satellite service

Annex II: Maritime mobile service

Annex III: Mobile-satellite services (aeronautical, land, maritime, mobile and radiodetermination) – Aeronautical mobile service

Separate editions in E, F, S, R, C, A

ISBN: E: 92-61-04241-4 F: 92-61-04242-2
S: 92-61-04243-0

Article: E: 5820 F: 5805 S: 5835
R: 3240 A: 3577
Paper Price: 150 CHF

Annex to Volume X – Part 1: XVIIth Plenary Assembly of the CCIR

Düsseldorf, 1990

Broadcasting service (sound)

Separate editions in E, F, S, R, C

ISBN: E: 92-61-04261-9 F: 92-61-04262-7
S: 92-61-04263-5

Article: E: 5822 F: 5807 S: 5837
Paper Price: 23 CHF

Annex to Volume X/XI – Part 2: XVIIth Plenary Assembly of the CCIR

Düsseldorf, 1990

Broadcasting-satellite service (sound and television)

Separate editions in E, F, S, R, C

ISBN: E: 92-61-04271-6 F: 92-61-04272-4
S: 92-61-04273-2

Article: E: 5823 F: 5808 S: 5838
Paper Price: 57 CHF

Annex to Volume X/XI – Part 3: XVIIth Plenary Assembly of the CCIR

Düsseldorf, 1990

Sound and television recording

Separate editions in E, F, S, R

ISBN: E: 92-61-04281-3 F: 92-61-04282-1
S: 92-61-04283-X

Article: E: 5824 F: 5809 S: 5839
Paper Price: 19 CHF

Annex to Volume XI – Part 1: XVIIth Plenary Assembly of the CCIR

Düsseldorf, 1990

Broadcasting service (television)

Separate editions in E, F, S, R, C

ISBN: E: 92-61-04291-0 F: 92-61-04292-9
S: 92-61-04293-7

Article: E: 5825 F: 5810 S: 5840
Paper Price: 69 CHF

Annex to Volume XII: XVIIth Plenary Assembly of the CCIR

Düsseldorf, 1990

Television and sound transmission (CMTT)

Separate editions in E, F, S, R

ISBN: E: 92-61-04301-1 F: 92-61-04302-X
S: 92-61-04303-8

Article: E: 5826 F: 5811 S: 5841
Paper Price: 46 CHF

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3.5 RESOLUTIONS AND OPINIONS

Book of Resolutions and Opinions

Geneva 1998 – Revised edition

The Resolutions and Opinions contained in this book are those in force following the Radiocommunication Assembly 1997.

Separate editions in E, F, S, R, C

ISBN: E: 92-61-06721-2 F: 92-61-06722-0
S: 92-61-06723-9 R: 92-61-06724-7

Article: E: 12016 F: 12017 S: 12018
R: 14121

pp.: 136 Price: 28 CHF

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3.6 HANDBOOKS

Compatibility between the Broadcasting Service in the Band of about 87-108 MHz and the Aeronautical Services in the Band 108-137 MHz

1991

Separate editions in E, F, S

ISBN: E: 92-61-04381-X F: 92-61-04382-8
S: 92-61-04383-6

Article: E: 1914 F: 1913 S: 1915
Paper Price: 38 CHF

Computer-aided Techniques for Spectrum Management

1999

The Handbook describes the key elements of computer-aided techniques for spectrum management and the technical content is intended for use by the Member States, the Radiocommunication Sector Members and by the Radiocommunication Bureau. The Handbook will also be useful to radio-communication engineers.

Separate editions in E, F, S

ISBN: E: 92-61-08021-9 F: 92-61-08022-7
S: 92-61-08023-5

Article: E: 15542 F: 15543 S: 15544
pp.: 204 Price: 46 CHF
Online

Curves for Radiowave Propagation over the Surface of the Earth

1991

Separate edition in R.

Multilingual edition in E, F, S

ISBN: 92-61-04447-6

Article: 1917
Paper Price: 51 CHF

Digital Radio-Relay Systems

1996

This Handbook represents a comprehensive summary of basic principles,

design parameters and current practices for the design and engineering of digital radio-relay systems.

Separate editions in E, F, S, R, C, A

ISBN: E: 92-61-06281-4 F: 92-61-06282-2
S: 92-61-06283-0 R: 92-61-06284-9

Article: E: 7019 F: 7020 S: 7021
R: 11853 A: 12981

pp.: 400 Price: 50 CHF

Digital Television Signals: Coding and Interfacing within Studios

1995

This Handbook gives a summary of the background to what has been agreed so far in ITU-R, based largely on work already reported within Reports but also including references to published material outside of the ITU.

Separate editions in E, F, S, A

ISBN: E: 92-61-05581-8 F: 92-61-05582-6
S: 92-61-05583-4

Article: E: 5733 F: 5732 S: 5734
pp.: 100 Price: 60 CHF



HF Broadcasting System Design

1999

This Handbook provides practical and illustrative guidance (even to radio engineers not having been previously exposed to the specific task of HF broadcasting service planning). Considerable effort has been made to meet the expectations of HF broadcasting engineers from the developing world. This publication includes relevant texts from existing ITU-R Recommendations as well as advanced material.

Separate editions in E, F, S

ISBN: E: 92-61-06651-8 F: 92-61-06652-6
S: 92-61-06653-4

Article: E: 11251 F: 11252 S: 11253
pp.: 100 Price: 28 CHF

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sales@itu.int

Ionosphere and its Effects on Terrestrial and Earth-to-Space Radiowave Propagation from VLF to SHF

1997

This Handbook supplements information on radiowave propagation in and through the ionosphere which is addressed in related Recommendations contained in the P Series of ITU-R Recommendations. In this respect, the Handbook is intended to help the user in the application of these Recommendations in the design and operation of radiocommunication systems using, or influenced by, the ionosphere.

Separate editions in E, F, S, R

ISBN: E: 92-61-06671-2 F: 92-61-06672-0
S: 92-61-06673-9

Article: E: 11106 F: 11107 S: 11108
R: 14111

pp.: 156 Price: 36 CHF

ITU-R Special Publication on Digital Sound Broadcasting (DSB)

1995

This special publication describes the system and service requirements for digital sound broadcasting (DSB) to vehicular, portable and fixed receivers, the techniques employed in the digital sound broadcasting systems, and considers relevant planning parameters and sharing considerations. It covers the satellite-terrestrial digital sound broadcasting service concept as well as the hybrid delivery concept.

Separate editions in E, F, S, R, A

ISBN: E: 92-61-05591-5 F: 92-61-05592-3
S: 92-61-05593-1

Article: E: 5661 F: 5659 S: 5667
R: 9583 A: 10068

pp.: 350 Price: 78 CHF

Land Mobile (including Wireless Access) Volume 1: Wireless Access Local Loop

1996

This Volume I of the Handbook describes the basic principles, access requirements, technology criteria, deployment planning and technical descriptions of typical systems. The technical content is intended for the use by administrations and operators in both developing and developed countries. Wireless access applications are considered as a very important element of today's telecommunication infrastructure. Considerable emphasis is thus being placed on wireless access applications in the land mobile service as a means of providing fast and economic telecommunication services. The purpose of this Handbook is to assist in the decision making process involving planning, engineering and deployment of wireless access based land mobile systems, especially in the developing countries. It should also provide adequate information that will assist in training engineers and planners in regulating, planning, engineering, and deployment aspects of these systems.

Separate editions in E, F, S, R, C, A

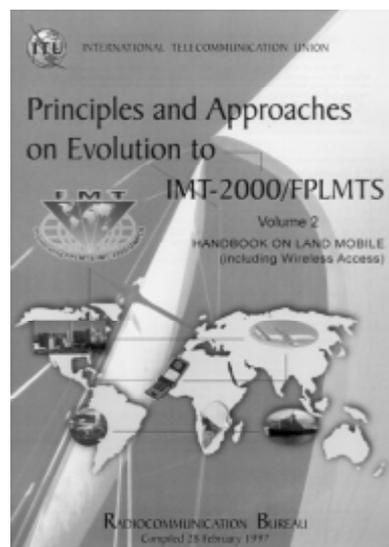
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S: 92-61-06403-5 R: 92-61-06404-3

Article: E: 9779 F: 9778 S: 9780
R: 11643 C: 11912 A: 12705

pp.: 140 Price: 25 CHF

Land Mobile (including Wireless Access) Volume 2: Handbook on Principles and Approaches on Evolution to IMT-2000/FPLMTS

1997



This Volume of the Handbook provides an overview of principles and approaches to be considered in the evolution of existing and emerging systems towards IMT-2000. IMT-2000 are third generation mobile systems which are scheduled to start service around the year 2000, subject to market considerations.

Separate editions in E, F, S, R, C, A

ISBN: E: 92-61-06581-3 F: 92-61-06582-1
S: 92-61-06583-X R: 92-61-06584-8

Article: E: 11067 F: 11185 S: 11186
R: 13856 C: 15942 A: 12799

pp.: 46 Price: 16 CHF

Radio Astronomy

1995

The first edition of this Handbook has been developed by experts of Working Party 7D of Study Group 7 (Science services) that is responsible for radio astronomy, the search for extra-terrestrial intelligence (SETI), and radar astronomy. It is not intended as a source on radio astronomy, but rather deals with those aspects of radio astronomy that are relevant to frequency coordination, that is, the management of radio spectrum usage in order to minimize interference between radiocommunication services.

Separate editions in E, F, S, A

ISBN: E: 92-61-05711-X F: 92-61-05712-8
S: 92-61-05713-6

Article: E: 5737 F: 5736 S: 5738
A: 9599

pp.: 72 Price: 19 CHF

Radiometeorology

1996

This Handbook provides general information on radiometeorology and covers the following topics: physical characteristics of the atmosphere, atmospheric refraction, particle scattering, atmospheric gaseous attenuation and dispersion, hydrometeor attenuation, radio emissivity, cross-polarization and anisotropy and statistical aspects of atmospheric processes.

Separate editions in E, F, S, R

ISBN: E: 92-61-06241-5 F: 92-61-06242-3
S: 92-61-06243-1

Article: E: 7023 F: 7024 S: 7025

pp.: 200 Price: 47 CHF

National Spectrum Management

1995

This Handbook describes the key elements of spectrum management, spectrum management fundamentals, spectrum planning, spectrum engineering, frequency authorization, spectrum use, spectrum control and automation of spectrum management activities.

Separate editions in E, F, S, R, C, A

ISBN: E: 92-61-05881-7 F: 92-61-05882-5
S: 91-62-05883-3

Article: E: 6064 F: 6063 S: 6065
R: 11910

pp.: 160 Price: 33 CHF

Radiowave Propagation Information for Predictions for Earth-to-Space Path Communications

1996

This Handbook provides information on radiowave propagation to assist in the design of Earth-to-space communication systems.

Separate editions in E, F, S, R, A

ISBN: E: 92-61-06361-6 F: 92-61-06362-4
S: 92-61-06363-2

Article: E: 7320 F: 7321 S: 7322
R: 11698 A: 13564

pp.: 150 Price: 35 CHF

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3. PUBLICATIONS OF THE ITU-R SECTOR (RADIOCOMMUNICATIONS)

Satellite Communications (Fixed-Satellite Service)

2nd edition 1988

Separate editions in E, F, S, R

ISBN: E: 92-61-03171-4 F: 92-61-03172-2
S: 92-61-03173-0

Article: E: 1258 F: 1259 S: 1260
R: 9586

Paper Price: 150 CHF

Supplement No. 1 to Handbook on Satellite Communications: Fixed-Satellite Service

1991

This Handbook has been prepared by the Handbook Group of Radiocommunication Study Group 4 as a supplement to the "Handbook on Satellite Communications (FSS)".

Note – The term VSAT (very small aperture terminal) is used to designate very small economical satellite earth stations which are directly connected to the users.

Edition in E

Article: E: 2278

pp.: 28

Price: 8 CHF

Supplement No. 2 to Handbook on Satellite Communications: Computer Programs for Satellite Communications

1993

Please refer to the Catalogue of Software for Radio Spectrum Management.

Separate editions in E, F, S, R

Article: E: 3262 F: 3261 S: 3263

Paper

Price: 8 CHF

Supplement No. 3 to Handbook on Satellite Communications: VSAT Systems and Earth Stations

1995

This Handbook has been prepared by the Handbook Group of Radiocommunication Study Group 4 as a supplement to the "Handbook on Satellite Communications (FSS)".

Note – The term VSAT (very small aperture terminal) is used to designate very small economical satellite earth stations which are directly connected to the users.

Separate editions in E, F, S, R, C, A

Article: E: 5503 F: 5502 S: 5504
R: 11104 A: 10362

pp.: 240

Price: 50 CHF

Selection and Use of Precise Frequency and Time Systems

1997

This Handbook consists of ten Chapters which describe basic concepts, frequency and time sources, measurement techniques, characteristics of various frequency standards, operational experience, problems and future prospects. The contents include detailed explanations and many references that can be consulted for additional details.

Separate editions in E, F, S, R, A

ISBN: E: 92-61-06511-2 F: 92-61-06512-0
S: 92-61-06513-9

Article: E: 10504 F: 10503 S: 10505
R: 14457 A: 15469

pp.: 230

Price: 50 CHF

Spectrum Monitoring

1995

The radio frequency spectrum is a limited natural resource and it is essential that it is used in the most rational, equitable, efficient and economical manner by all radiocommunication services. Effective and efficient spectrum management is the key element for ensuring co-existence

of various radiocommunication systems, without causing harmful interference to each other. Spectrum monitoring is one of the essential tools of spectrum management.

Separate editions in E, F, S, R, C, A

ISBN: E: 92-61-05761-6 F: 92-61-05762-4
S: 92-61-05763-2 R: 92-61-05764-0

Article: E: 5790 F: 5789 S: 5791
R: 9585 C: 12287 A: 10541

pp.: 456

Price: 50 CHF

Subjective Assessment Methodology in Television

1996

Part 1 describes the general methods of performing subjective assessments.

Part 2 considers the application of specific elements. Three particular applications are given: digital coding systems, high-definition television and alpha-numeric and graphic systems evaluation.

Separate editions in E, F, S, R, A

ISBN: E: 92-61-05571-0 F: 92-61-05572-9
S: 92-61-05573-7

Article: E: 5729 F: 5727 S: 5730
R: 10897 A: 10712

pp.: 100

Price: 60 CHF

Technical Specifications of ITU-R Teletext Systems

1999

Teletext systems provide the means to supplement an analogue television broadcast with digitally coded data signals carried in the vertical interval. The data signals can be displayed on the viewers receiver as printed text or diagrams, or possibly more elaborate multimedia. This Handbook currently in use worldwide as defined in ITU-R Recommendations. They are described in four Sections in a similar way, so that readers can understand the differences and similarities.

Separate editions in E, F, S

ISBN: E: 92-61-06641-0 F: 92-61-06642-9
S: 92-61-06643-7

Article: E: 11233 F: 11234 S: 11235

pp.: 464

Price: 60 CHF

The ITU Publications are available in English, French and Spanish, many of which in Arabic, Chinese, and Russian, as well

3.7 SOFTWARE APPLICATIONS

Catalogue of Software for Radio Spectrum Management

1997 – Free of charge

This catalogue contains a detailed description of available computer programs to support Member States' national and international frequency management activities. The programs are submitted by participants in the work of the Radio-communication Study Groups or by the

Radiocommunication Bureau. It is published once a year and is available on demand free of charge. Up-to-date information is also accessible electronically through the ITU computer network (TIES). The software can now be purchased directly from the ITU Electronic Bookshop at the ITU Website.

Separate editions in E, F, S

Paper, online



4.1 REGULATIONS, RESOLUTIONS AND CONFERENCE PUBLICATIONS

Final Acts of the World Administrative Telegraph and Telephone Conference (WATTC-88): International Telecommunication Regulations

Melbourne, 1988

Separate editions in E, F, S, R, C, A

ISBN: E: 92-61-03921-9 F: 92-61-03922-7
 S: 92-61-03923-5 R: 92-61-03924-3
 C: 92-61-03925-1 A: 92-61-03926-X

Article: E: 1561 F: 1562 S: 1563
 R: 1564 C: 1565 A: 1566

Paper Price: 27 CHF

World Telecommunication Standardization Conference (WTSC) – (The Green Book): Book 1

Geneva, 1996

Book 1 contains Resolutions (Rules of Procedure of ITU-T; Study Group responsibility and mandates; publication of ITU-T Recommendations and WTSC proceedings, etc.), ITU-T Series A Recommendations (Organization of the work of the ITU-T), Study Groups and other groups, and the list of questions for the Study Period 1997-2000 as approved by WTSC-1996.

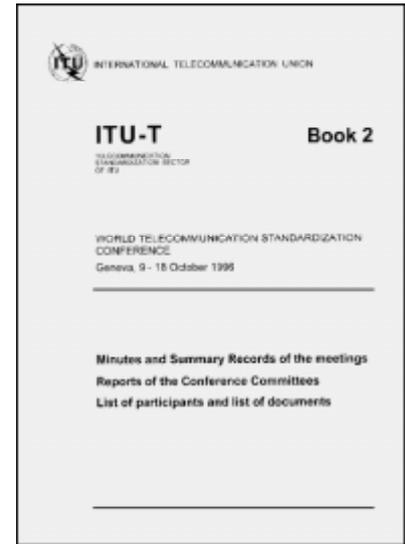
Separate editions in E, F, S, R, C

Article: E: 10242 F: 10243 S: 10244
 R: 13105

pp.: 136 Price: 55 CHF

World Telecommunication Standardization Conference (WTSC) – (The Green Book): Book 2

Geneva, 1996



Book 2 contains the minutes and summary records of the meetings, the reports of the Conference Committees, the list of participants and the list of documents.

Separate editions in E, F, S, R, C

Article: E: 10768 F: 10769 S: 10770
 R: 13106 C: 15909

pp.: 330 Price: 124 CHF

The ITU Publications are available in English, French and Spanish, many of which in Arabic, Chinese, and Russian, as well

4.2 MATERIAL PUBLISHED IN COMPLEMENT TO OR IN ACCORDANCE WITH ITU-T RECOMMENDATIONS AND THE RESOLUTIONS OF THE INTERNATIONAL TELECOMMUNICATION REGULATIONS (ITR)



ITU Operational Bulletin (annual subscription for printed and online versions) and Electronic Bookshop

2000

The ITU Operational Bulletin is a fortnightly service publication, prepared under the

responsibility of the Telecommunication Standardization Bureau (TSB). Published on the 1st and 15th of each month, it contains the administrative and operational information exchanged between administrations and recognized operating agencies (ROAs) and other service providers, entities and organizations, in respect of the international telecommunication services made available to users, including information relating to the maritime mobile service. Various lists

containing the codes, numbers or indicators allocated to countries and operators to meet the operational needs of international telecommunication services are published in annex to the Operational Bulletin.

Separate editions in E, F, S

Paper Price: 385 CHF

Online

4. PUBLICATIONS OF THE ITU-T SECTOR (STANDARDIZATION)

Lists annexed to the ITU Operational Bulletin

OB No.	Subject	ITU-T Rec. RR / ITR	Price CHF
659	Liste of Data country or Geographical Area Codes (Complement to ITU-T Recommendation X.121) (Position on 31 December 1997)	X.121	20.–
663	List of Names of Administration Management Domains (ADMD) (In accordance with ITU-T F.400 and X.400 Series Recommendations) (Position on 28 February 1998)	F.400, X.400	20.–
665	Various tones used in national networks (Supplement 2 to ITU-T Recommendation E.180) (Position on 1 April 1998)	E.180	20.–
669	Five-letter Code Groups for the use of the International Public Telegram Service (According to ITU-T Recommendation F.1 (03/98))	F.1	20.–
674	Status of Radiocommunications between Amateur Stations of different countries (In accordance with optional provision No. 2731 of the Radio Regulations) (Position on 15 August 1998)	RR 2731	20.–
677	List of Issuer Identifier Numbers for the international telecommunication charge card (In accordance with ITU-T Recommendation E.118) (Position on 1 October 1998)	E.118	20.–
679	Dialling Procedures (International prefix, national (trunk) prefix and national (significant) number) (In accordance with ITU-T Recommendation E.164) (Position on 1 November 1998)	E.164	20.–
682	List of Signalling Area/Network Codes (SANC) (Complement to ITU-T Recommendation Q.708) (Position on 15 December 1998)	Q.708	20.–
684	List of Data Network Identification Codes (DNIC) (According to ITU-T Recommendation X.121) (Position on 15 January 1999)	X.121	20.–
685	List of Mobile Country or Geographical Area Codes (Complement to ITU-T Recommendation E.212) (Position on 1 February 1999)	E.212	15.–
687	List of ITU-T Recommendation E.164 assigned Country Codes (Complement to ITU-T Recommendation E.164 (05/1997)) (Position on 1 March 1999)	E.164	15.–
688	List of ITU Carrier Codes (According to ITU-T Recommendation M.1400) (Position on 15 March 1999)	M.1400	20.–
691	Service Restrictions (Recapitulatory list of service restrictions in force relating to telecommunications operation) (Position on 1 May 1999)	ITR Art.7	20.–
692	List of Telegram Destination Indicators (In accordance with ITU-T Recommendation F.32) (Position on 15 May 1999)	F.32	20.–
693	List of Telex Destination Codes (TDC) and Telex Network Identification Codes (TNIC) (Complement to ITU-T Recommendation F.69 and F.68) (Position on 31 May 1999)	F.69, F68	20.–
707	List of International Signalling Point Codes (ISPC) (According to ITU-T Recommendation Q.708 (03/99)) (Position on 1 January 2000)	Q.708	20.–
711	List of signalling Area/Network Codes (SANC) (Complement to ITU-T Recommendation Q.708 (03/99)) (Position on 1 March 2000)	Q.708	20.–

Please note that the above lists are updated regularly by numbered series of amendments published in the ITU Operational Bulletin, and are reissued as necessary. Furthermore, the lists can be consulted online at: (www.itu.int/itudoc/itu-t/ob-lists).

Bureaufax Table

4th edition – December 1994

This publication is an official service document published by the International Telecommunication Union in close collaboration with the International Bureau of the Universal Postal Union (UPU). The fourth edition of the Bureaufax Table takes account of the relevant provisions of ITU-T Recommendation F.170 (03/98). It contains address and contact numbers of the body responsible for managing the Bureaufax service; list

of the countries/geographical areas with which the Bureaufax service is open; delivery modes; list of bureaux handling the international public facsimile service between public bureaux (Bureaufax); list of bureaux handling the national public facsimile service between public bureaux (Bureaufax) and notes.

Multilingual edition in E, F, S

ISBN: 92-71-03052-4

Article: 5320

pp.: 200

Table of Telegram Rates

Edition of 1992

Multilingual edition in E, F, S

ISBN: 92-71-03045-1

Article: 2573

Paper

Price: 16 CHF

Price: 35 CHF



4.3 ITU-T RECOMMENDATIONS

The ITU-T Recommendations developed by the Telecommunication Standardization Sector (formerly CCITT) constitute the basis for international telecommunication standards. These are the final results of studies on technical, operating and tariff issues with the objective of standardizing telecommunications on a worldwide basis, including interconnection of radio systems in public telecommunication networks and on the performance required for these interconnections. They represent an exceptional reference library of more than 2,500 Recommendations and 60,000 pages.

ITU-T Recommendations are made available individually throughout the four-year study cycle, as soon as they are prepared in ITU-T Study Groups and approved by ITU-T Members. The announcement of each new or revised ITU-T Recommendation is made through the ITU News magazine, the Notifications, and the List of ITU-T Recommendations. There exist three complementary formats of the ITU-T Recommendations available for sale: the paper version, individually downloadable electronic format and the CD-ROM.

Customers who wish to receive further details and information related to the availability and price of these Recommendations should refer to the List of ITU-T Recommendations which contains a comprehensive description of all the series as well as the ordering facilities. This List is available in English, French and Spanish on request from the ITU Sales Service. It is also available online via Internet at www.itu.int/publications.

The list below gives an indication of the subjects covered in each of the ITU-T Recommendation Series.

Series	Title/Subject area	Series	Title/Subject area
A	Organization of the work of the ITU-T	M	TMN and network maintenance: international transmission systems, telephone circuits, telegraphy, facsimile and leased circuits
B	Means of expression: definitions, symbols, classification	N	Maintenance: international sound programme and television transmission circuits
C	General telecommunication statistics	O	Specifications of measuring equipment
D	General tariff principles	P	Telephone transmission quality, telephone installations, local line networks
E	Overall network operation, telephone service, service operation and human factors	Q	Switching and signalling
F	Non-telephone telecommunication services	R	Telegraph transmission
G	Transmission systems and media, digital systems and networks	S	Telegraph services terminal equipment
H	Audiovisual and multimedia systems	T	Terminals for telematic services
I	Integrated services digital network	U	Telegraph switching
J	Transmission of television, sound programme and other multimedia signals	V	Data communication over the telephone network
K	Protection against interference	X	Data networks and open system communications
L	Construction, installation and protection of cables and other elements of outside plant	Y	Global information infrastructure
		Z	Languages and general software aspects for telecommunication systems

DISTRIBUTION OF ITU-T RECOMMENDATIONS

Paper format

Recommendations in paper format are available individually or on a yearly subscription basis from the ITU Sales Service. Please contact the ITU Sales Service for any further information concerning prices, availability or purchase of ITU-T Recommendations.

Separate editions in E, F, S

Paper

Electronic Bookshop

Online Service

This online service provides access to individual ITU-T Recommendations, Pre-published ITU-T Recommendations and Superseded ITU-T Recommendations with payment by credit card or special customer account. Recommendations are available in both Word for Windows and Adobe Acrobat PDF format. Prices depend on the Recommendation which is being ordered, although there is a minimum charge of CHF 20.

Separate editions in E, F, S

Online

ITU-T Recommendations Online

Yearly Subscription Service

This online service contains all ITU-T Recommendations currently in force, pre-published and superseded Recom-

mendations. These are organized by Series and are available either in Word for Windows or Adobe Acrobat PDF formats. Price indicated for a single-user licence. A price multiplier applies for multi-user environments for customers with a possibly large number of authorised users. Price multipliers are 2 (up to 10 users), 4 (up to 25 users), 6 (up to 50 users) and 9 (up to 100 users).

Separate editions in E, F, S

Online

Price: 3400 CHF

ITU-T Recommendations on CD-ROM

Each new edition, published quarterly in March, June, September and December of each year, contains all the previous Recommendations plus some 60 or 70 additional new or revised Recommendations. It also includes the pre-published Recommendations in Word for Windows format. The latest edition contains over 2,500 Recommendations in force. Price indicated for a single-user licence. A price multiplier applies for multi-user environments for customers with a possibly large number of authorised users. Price multipliers are 2 (up to 10 users), 4 (up to 25 users), 6 (up to 50 users) and 9 (up to 100 users).

Separate editions in E, F, S

Single issue

CD-ROM

Price: 1200 CHF

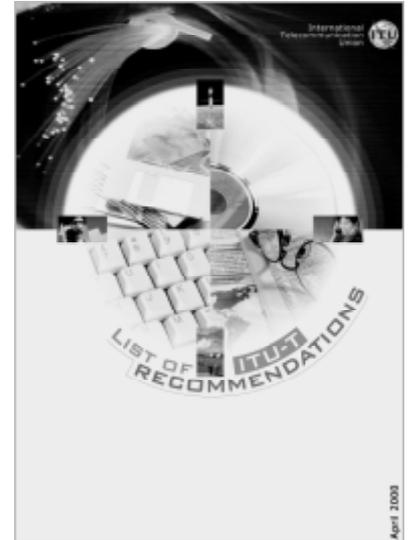
Yearly subscription Service

CD-ROM

Price: 2800 CHF

List of ITU-T Recommendations

Free of Charge



This contains a continually updated list of all new and revised ITU-T Recommendations which are in force, complete with price and ordering information. Obtainable on request free of charge from the Sales Service and also available online from the ITU website.

Separate editions in E, F, S

Paper, Online

ITU on the Web:
www.itu.int/publications

4.4 HANDBOOKS

OPERATION

Instructions for the International Telephone Service

1993

These instructions include Recommendation ITU-T E.141.

Separate editions in E, F, S, R, C, A

ISBN: E: 92-61-04821-8 F: 92-61-04822-6
S: 92-61-04823-4

Article: E: 3382 F: 3381 S: 3383
A: 5961

Paper

Price: 23 CHF

NETWORK PLANNING

Optical Fibre System Planning Guide

1989

Separate editions in E, F, S

ISBN: E: 92-61-03151-X F: 92-61-03152-8
S: 92-61-03153-6

Article: E: 1277 F: 1278 S: 1279

Paper

Price: 140 CHF

Handbook on Transmission Planning

1993

Separate editions in E, F, S, A

ISBN: E: 92-61-04781-5 F: 92-61-04782-3
S: 92-61-04783-1

Article: E: 3214 F: 3213 S: 3215

Paper

Price: 28 CHF

Handbook on Quality of Service and Network Performance

1993

Separate editions in E, F, S, A

ISBN: E: 92-61-04741-6 F: 92-61-04742-4
S: 92-61-04743-2

Article: E: 2977 F: 2976 S: 2978

Paper Price: 37 CHF

Introduction of New Technology in Local Network

1993

Separate editions in E, C

ISBN: E: 92-61-04811-0

Article: E: 3343

Paper Price: 58 CHF

Optical Fibres for Telecommunications

1984

Separate editions in E, F, S, A

ISBN: E: 92-61-01841-6 F: 92-61-01842-4
S: 92-61-01843-2Article: E: 1041 F: 1042 S: 1043
A: 4721

Paper Price: 70 CHF

IMPLEMENTATION GUIDELINES

Guidelines for Preparing and Conducting Field Trials of Digital Switching Equipments

1987

Separate editions in E, F, S

ISBN: E: 92-61-02951-5 F: 92-61-02952-3
S: 92-61-02953-1

Article: E: 1116 F: 1117 S: 1118

Paper Price: 20 CHF

OUTSIDE PLANT

Outside Plant Technologies for Public Networks

1992

Separate editions in E, F, S

ISBN: E: 92-61-04481-6 F: 92-61-04482-4
S: 92-61-04483-2

Article: E: 2075 F: 2074 S: 2076

Paper Price: 122 CHF

Construction, Installation, Jointing and Protection of Optical Fibre Cables

1994

Separate editions in E, F, S, R, C, A

ISBN: E: 92-61-04901-X F: 92-61-04902-8
S: 92-61-04903-6Article: E: 3775 F: 3774 S: 3776
R: 9590 A: 5962

Paper Price: 53 CHF

ISDN Field Trial Guidelines

1991

Separate editions in E, F, S

ISBN: E: 92-61-04461-1 F: 92-61-04462-X
S: 92-61-04463-8

Article: E: 2067 F: 2066 S: 2068

Paper Price: 38 CHF

Preservation of Wooden Poles Carrying Overhead Telecommunication Lines

1974 edition

Separate editions in E, F, S

Article: E: 493 F: 494 S: 495

Paper Price: 23 CHF

Application of Computers and Microprocessors to the Construction, Installation and Protection of Telecommunication Cables

1999

The 1st edition of this Handbook was published in 1994. Due to the rapid development of the technologies a 2nd edition was considered useful to include the new applications for computers and microprocessors taking into account that many countries are adopting such devices and equipments. The outside plant occupies a wide area which requires a large amount of investments and a huge amount of work for design, construction, installation and protection especially considering the new telecommunication services available and the future role of the access networks.

Separate editions in E, F, S

ISBN: E: 92-61-07891-5 F: 92-61-07892-3
S: 92-61-07893-1

Article: E: 14517 F: 14695 S: 14696

pp.: 40 Price: 20 CHF
Online

Guidelines for Implementing a Signalling System No. 7 Network

1991

Separate editions in E, F, S

ISBN: F: 92-61-04392-5 S: 92-61-04393-3

Article: E: 1910 F: 1909 S: 1911

Paper Price: 37 CHF

Jointing of Plastic-Sheathed Cables

1st edition 1978

Separate editions in E, F, S

ISBN: E: 92-61-00561-6 F: 92-61-00562-4
S: 92-61-00563-2

Article: E: 484 F: 486 S: 487

Paper Price: 27 CHF

Jointing of Telecommunication Cable Conductors

1st edition 1982

Separate editions in E, F, S

ISBN: E: 92-61-01281-7 F: 92-61-01282-5
S: 92-61-01283-3

Article: E: 489 F: 490 S: 491

Paper Price: 47 CHF

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on the Web:
www.itu.int/publications

PROTECTION AGAINST ELECTROMAGNETIC EFFECTS

Earthing of Telecommunication Installations

1st edition, 1976

Separate editions in E, F, S

ISBN: E: 92-61-00301-X F: 92-61-00302-8
S: 92-61-00303-6

Article: E: 497 F: 498 S: 499

Paper Price: 41 CHF

The Protection of Telecommunication Lines and Equipment Against Lightning Discharges:

Chapters 1 to 5

1974

Separate editions in E, F, S

Article: E: 689 F: 690 S: 691

Paper Price: 85 CHF

Chapters 6, 7 and 8

1978

Separate editions in E, F, S

Article: E: 693 F: 694 S: 695

Paper Price: 42 CHF

Chapters 9 and 10

Geneva, 1994

The Handbook "The protection of telecommunication lines and equipment against lightning discharges" was originally published in 1974, followed by the publication of additional Chapters 6, 7 and 8 in 1978. The ITU-T Study Group 5 has now prepared further new Chapters 9 and 10: Chapter 9 on fibre optic cable lightning damage assessment and Chapter 10 on overvoltages and overcurrents measured on telecommunication subscriber lines.

Separate editions in E, F, S

ISBN: E: 92-61-05501-X F: 92-61-05502-8
S: 92-61-05503-6

Article: E: 5479 F: 5478 S: 5480

pp.: 80 Price: 62 CHF

DIRECTIVES

Directives Concerning the Protection of Telecommunication Lines against Harmful Effects from Electric Power and Electrified Railway Lines:

Volume I: Design, construction and operational principles of telecommunication, power and electrified railway facilities

Geneva, 1990

Separate editions in E, F, S

ISBN: E: 92-61-03941-3 F: 92-61-03942-1
S: 92-61-03943-X

Article: E: 1773 F: 1764 S: 1782

Paper Price: 36 CHF

Volume II: Calculating induced voltages and currents in practical cases

Geneva, 1999

The Directives provide a comprehensive description of electromagnetic effects due to the close proximity of telecommunication lines to power and electrified railway systems. Such effects may result in danger to personnel, damage to telecommunication equipment, deterioration of telecommunication transmission quality or to disturbance of signalling. Volume II "Calculating induced voltages and currents in practical cases" describes the methods for evaluating voltages and currents resulting from capacitive, inductive and conductive coupling in a variety of commonly-encountered situations.

Separate editions in E, F, S

ISBN: E: 92-61-08001-4 F: 92-61-08002-2
S: 92-61-08003-0

Article: E: 15034 F: 15065 S: 15068

pp.: 620 Price: 160 CHF

Volume III: Capacitive, inductive and conductive coupling: physical theory and calculation methods

Geneva, 1990

Separate editions in E, F, S

ISBN: E: 92-61-04041-1 F: 92-61-04042-X
S: 92-61-04043-8

Article: E: 1775 F: 1766 S: 1784

Paper Price: 56 CHF

Volume IV: Inducing currents and voltages in electrified railway systems

Geneva, 1990

Separate editions in E, F, S

ISBN: E: 92-61-04051-9 F: 92-61-04052-7
S: 92-61-04053-5

Article: E: 1776 F: 1767 S: 1785

Paper Price: 62 CHF

Volume V: Inducing currents and voltages in power transmission and distribution systems

Geneva, 1999

The Directives provide a comprehensive description of electromagnetic effects due to the close proximity of telecommunication lines to power and electrified railway systems. Such effects may result in danger to personnel, damage to telecommunication equipment, deterioration of telecommunication transmission quality or to disturbance of signalling. Volume V "Inducing currents and voltages in power transmission and distribution systems" describes unbalanced and balanced power systems in normal operation and under fault conditions.

Separate editions in E, F, S

ISBN: E: 92-61-08011-1 F: 92-61-08012-X
S: 92-61-08013-8

Article: E: 15071 F: 15072 S: 15073

pp.: 70 Price: 24 CHF

Volume VI: Danger and disturbance

Geneva, 1990

Separate editions in E, F, S

ISBN: E: 92-61-04071-3 F: 92-61-04072-1
S: 92-61-04073-X

Article: E: 1778 F: 1769 S: 1787

Paper Price: 21 CHF

Volume VII: Protective measures and safety precautions

Geneva, 1990

Separate editions in E, F, S

ISBN: E: 92-61-04081-0 F: 92-61-04082-9
S: 92-61-04083-7

Article: E: 1779 F: 1770 S: 1788

Paper Price: 21 CHF

Volume VIII: Protective devices

Geneva, 1990

Separate editions in E, F, S

ISBN: E: 92-61-04091-8 F: 92-61-04092-6
S: 92-61-04093-4

Article: E: 1780 F: 1771 S: 1789

Paper Price: 9 CHF

Volume IX: Testing methods and measuring apparatus

Geneva, 1990

Separate editions in E, F, S

ISBN: E: 92-61-04101-9 F: 92-61-04102-7
S: 92-61-04103-5

Article: E: 1781 F: 1772 S: 1790

Paper Price: 84 CHF

MEASUREMENT METHODS

Handbook on Telephonometry

1993

Separate editions in E, F, S, R

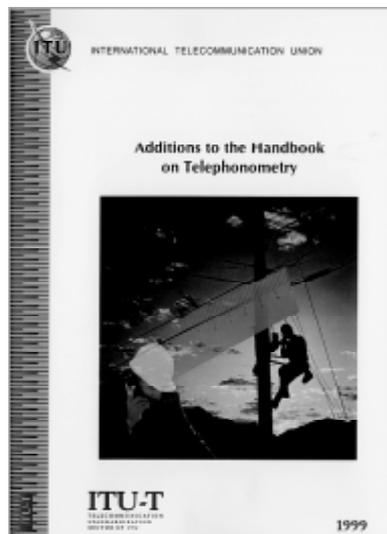
ISBN: E: 92-61-04911-7 F: 92-61-04912-5
S: 92-61-04913-3

Article: E: 3771 F: 3770 S: 3772

pp.: 296 Price: 86 CHF

Additions to the Handbook on Telephonometry

1999



The Handbook on Telephonometry is intended to be a practical manual and serves as a guide to sound engineering practice. The present additions bring new complementary information to the previous edition of the Handbook (1992).

Separate editions in E, F, S

ISBN: E: 92-61-07961-X F: 92-61-07962-8
S: 92-61-07963-6

Article: E: 14626 F: 14627 S: 14628

pp.: 16 Price: 12 CHF

Online

FORTHCOMING

Addition to section 2.3 of the Handbook on Telephonometry

2000

Separate editions in E, F, S

Paper, online

Compendium of Cable Measurement Methods

1984

Separate editions in F, S

ISBN: F: 92-61-01942-0 S: 92-61-01943-9

Article: E: 458 F: 471 S: 474

Paper Price: 40 CHF

FORMAL LANGUAGES

Introduction to CHILL

1993

Edition in E

ISBN: E: 92-61-04891-9

Article: E: 3739

Paper Price: 23 CHF

CHILL User Manual

1986

Edition in E

ISBN: E: 92-61-02601-X

Article: E: 1055

Paper Price: 31 CHF

CHILL Formal Definition – Volume I, Parts 1, 2, 3

Geneva, 1982

Edition in E

Article: E: 1052

Paper Price: 31 CHF

CHILL Formal Definition – Volume II, Part 4

Geneva, 1982

Edition in E

Article: E: 1053

Paper Price: 43 CHF

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Electronic Bookshop on
www.itu.int/publications

4.5 ITU-T TEST CHARTS

The following is a list of the different test charts published by ITU-T, and intended to test different facsimile communication equipment. The test charts conform to severe quality constraints and are published separately. The specimens reproduced inside Recommendations are given for illustration purposes and are not suitable for measurements.

Series	Subject	Article	Price CHF
Test Chart No. 4: Black and White Facsimile Test Chart BW01 – High Quality (Recommendation ITU-T T.22) – (03/93)	302 × 222 mm high contrast bi-level chart containing text in a variety of languages, fonts and pitches and various black and white patterns.	E: 4530	12.–
Test Chart No. 4: Black and White Facsimile Test Chart BW01 – Standard Quality (Recommendation ITU-T T.22) – (03/93)	302 × 222 mm high contrast bi-level chart containing text in variety of languages and pitches and various black and white patterns.	E: 5494	4.–
Test Chart No. 5: Continuous Tone Facsimile Test Chart CT01 (Recommendation ITU-T T.22) – (03/93)	279 × 216 mm gray scale chart containing several strips and patches of various gray scale levels, and two photographs.	E: 11941	26.–
Test Chart No. 6: 4-Colour Printing Facsimile Test Chart 4CP01 (Recommendation ITU-T T.23) – (04/94)	302 × 222 mm full colour chart printed from 4-colour separation negatives, containing a complete range of patterns, textures, shadings and bright and pastel colours.	E: 10465	9.–
Standardized Digitized Image Set on CD-ROM (Recommendation ITU-T T.24) – (06/98)	This digitized test chart set is an integral part of Recommendation T.24 and is published with it. This set of 409 Mbytes of images digitized with different resolutions includes: <ul style="list-style-type: none"> – eight black and white ITU-T reference pages (the “CCITT images”); – test chart No. 4 (BW01); – one legibility test chart; – seven bi-level half tones images made by processing gray scale images with different algorithms; – test chart No. 5 (CT01); – two gray-scale images; – test chart No. 6 (4CP01). – 14 colour images with different resolutions and in different colour spaces (YUV, CMYK, RGB, CIELAB) – low contrast gray scale images (Paper + CD-ROM) 	E: 9968 F: 9969 S: 9970	140.–

Standards?

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4.6 ITU-T SOFTWARE

The following is a list of the different software, test sequences and data published by ITU-T, and intended to test different communication equipment. Each software forms generally an integral part of a Recommendation and is published as an enclosure to it at the corresponding Recommendation entry.

Series	Subject	Series	Subject
G.191 (11/11/96)	This Recommendation includes 3 diskettes which contain the software tools library (STL-96) and the STL-96 Manual	G.726 Appendix II test vectors (21/03/91)	This document corresponds to G.726 Appendix II. It includes 2 diskettes containing respectively the A-Law and Mu-Law digital test sequences for the verification of the G.726 ADPCM codec implementations. The document reproduces the user guide published in the CCITT collective letter No. 11/XV (1991)
G.722 Appendix II (05/03/87)	This document corresponds to G.722 Appendix II which was published in Blue Book (1988). It includes one diskette containing the digital test sequences for the verification of the G.722 SB-ADPCM codec	G.727 Appendix I test vectors (21/03/91)	This document corresponds to G.727 Appendix I. It includes 6 diskettes containing digital test sequences for the verification of the G.727 embedded ADPCM codec implementations. The document reproduces the user guide published in the CCITT collective letter No. 12/XV (1991)
G.722.1 (30/09/99)	This Annex includes 1 CD-ROM containing the reference code and the test vectors for ITU-T G.722.1 algorithm implementation verification	G.728 Annex H (27/05/99)	This Annex includes 1 CD-ROM containing the test data for verification of G.728 Annex H low bit rate LD-CELP implementations
G.723.1 Annex A (11/11/96)	This Annex includes 3 diskettes which are common to Recommendation main body and to this annex and which contain test vectors and C reference code for implementation verification of the G.723.1 fixed point dual rate speech coder for multimedia communications	G.728 Annex J (30/09/99)	This Annex includes 1 CD-ROM containing the test vectors for verification of G.728 Annex J variable bit-rate LD-CELP implementations
G.723.1 Annex B (11/11/96)	This Annex includes 1 CD-ROM containing the reference code and the test vectors for implementation verification of the G.723.1 floating point speech coder. The CD-ROM may be replaced on demand by 14 diskettes	G.728 Appendix I Software (01/07/95)	This document corresponds to G.728 Appendix I. It includes 4 diskettes containing programs and test sequences for verification of the floating point and fixed point implementations of the G.728 LD-CELP algorithm. The document reproduces the user guide published in the CCITT collective letter No. 17/XV (1992)
G.723.1 Annex C (11/11/96)	This Annex includes 1 diskette containing the reference code and the test vectors for implementation verification of the scalable channel coding scheme		

4. PUBLICATIONS OF THE ITU-T SECTOR (STANDARDIZATION)

ITU-T SOFTWARE (continued)

Series	Subject	Series	Subject
G.729 (20/03/96)	This Recommendation includes 3 diskettes containing source code and test sequences for implementation verification of the algorithm of the G.729 8 kbit/s CS-ACELP speech coder	G.776.1 (23/10/98)	This Recommendation includes 1 diskette containing the information model of Signal Processing Network Elements (SPNE)
G.729 Annex A (11/11/96)	This Annex includes 3 diskettes containing source code and test sequences for implementation verification of the algorithm of the G.729 reduced complexity 8 kbit/s CS-ACELP speech coder	G.967.1 01/06/98	This Recommendation includes one diskette containing the SDL process diagrams corresponding to the VB5.1 reference point
G.729 Annex B (18/10/96)	This Annex includes 1 diskette containing source code and test sequences for implementation verification of the version 1.3 algorithm of the G.729 silence compression scheme	G.967.2 26/02/99	This Recommendation includes one diskette containing the SDL process diagrams corresponding to the VB5.2 reference point
G.729 Annex B/Cor1 (06/02/98)	This corrigendum concerns only the software; the resulting version 1.3 is included in the published ITU-T Recommendation G.729 Annex B (11/1996)	H.341 27/05/99	This Recommendation includes one diskette containing the formal descriptions of annexes A, B, C, D and E for the multimedia management information base
G.729 Annex C (25/09/98)	This Annex includes 1 diskette containing version 1.01 of reference C code for floating point implementation of the G.729 8 kbit/s CS-ACELP speech coder	H Supplement 1 27/05/99	This Supplement includes one CD-ROM containing the video clip "Irene" to be used as test material for video coding of sign language
G.729 Annex D (25/09/98)	This Annex includes 1 diskette containing version 1.2 of source C code for fixed point implementation of the G.729 6.4 kbit/s CS-ACELP speech coder	P.50 Appendix I 27/02/98	This Appendix includes a CD-ROM containing the speech database for telephony applications
G.729 Annex E (25/09/98)	This Annex includes 2 diskettes containing version 1.2 of source C code and test vectors for fixed point implementation of the G.729 11.8 kbit/s CS-ACELP speech coder	P.501 30/08/96	This Recommendation includes a CD-ROM containing test signals for telephony applications
G.763 (13/10/98)	This Recommendation includes two diskettes The first one contains A-Law and Mu-Law test vectors for DCME verification. The second one contains example transmit/receive SDLs	P.561 Appendix III 27/02/98	This Appendix includes a CD-ROM containing digital speech recordings for INMD devices testing
		P.861 27/02/98	This Recommendation includes one diskette containing test vectors for implementation verification of the PSQM algorithm
		P Supplement 23 27/02/98	This Supplement includes 3 CD-ROM containing the ITU-T coded speech database for 8 kbit/s codec tests

ITU-T SOFTWARE (end)

<i>Series</i>	<i>Subject</i>	<i>Series</i>	<i>Subject</i>
Q.784.2 05/06/97	This Recommendation includes 1 diskette containing Annex D ISUP '92 ATS for Basic Call in graphical and in machine processable form	Q.1228 12/09/97	This Recommendation includes 3 diskettes containing Q.1228 SDL diagrams in SDT source format and in PDF format
Q.785.2 15/03/99	This Recommendation includes 1 CD-ROM containing the ISUP'97 ATS for Supplementary Services in machine processable form and in graphical form	T.24 18/06/98	This Recommendation includes two CD-ROMs containing the digitized image set
Q.921 bis 01/03/93	This Recommendation includes 5 diskettes containing postscript files of ATS for testing conformance of basic rate user side equipment to Rec. Q.921	T.83 11/11/94	This Recommendation includes 3 diskettes containing compliance test data for the generic encoder and decoder compliance tests
Q.931 bis 07/02/95	This Recommendation includes several diskettes containing PICSs and Abstract test suites Part 1 (user side basic access) and Part 3 (user side primary access) for testing conformance of basic call equipment as per Rec Q.931	T.87 18/06/98	This Recommendation includes one diskette containing the JPEG-LS Lossless and near-lossless image compression reference implementation and a conformance testing image set
Q.933 bis 17/10/95	This Recommendation includes 1 diskette containing Abstract test suites Section II corresponding to additional procedures for PVCs as per Q.933 Annex A	V.56 ter 16/08/96	This Recommendation includes 2 diskettes containing the data files used for the voiceband duplex modems throughput tests
Q.953.5 03/12/99	This Recommendation includes 1 diskette containing the the SDL process diagrams of DSS1 CCNR in machine processable form and in graphical form	X.633 Add. 1 25/09/98	This annex includes one diskette containing the SDT files of the SDL specifications of Network Fast Byte protocol
		X.634 Add. 1 25/09/98	This annex includes one diskette containing the SDT files of the SDL specifications of Transport Fast Byte protocol

4.7 OTHER PRODUCTS

ITU-T Sancho – (ITU-T Sector Abbreviations and definitions for a teleCommunications Thesaurus Oriented database)

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SANCHO is a new database on CD-ROM that contains both “terms and definitions” and “abbreviations and acronyms” defined within ITU-T standardization publications. This is a unique and complete reference for definitions in the field of global telecommunications standardization.

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19 Power systems
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What is the ITU?

Founded in Paris in 1865 as the International Telegraph Union, the International Telecommunication Union took its present name in 1934 and became a specialized agency of the United Nations in 1947.

The ITU is an intergovernmental organization, within which the public and private sectors cooperate for the development of telecommunications worldwide. In essence, the Union's mission covers the following domains:

- a **technical domain** – to promote the development, efficient operation, usefulness and general availability of telecommunication facilities and services;
- a **development domain** – to promote the development of telecommunications in developing countries and the extension of the benefits of telecommunications to people everywhere;
- a **policy domain** – to promote the adoption of a broader approach to the issues of telecommunications in the global information economy and society.

As of 1st March 2000, the ITU comprised 189 Member States and 586 Sector Members (scientific and industrial companies, public and private operators, broadcasters, regional/international organizations).

What does the ITU consist of?

The Union comprises:

- a plenipotentiary conference, the supreme authority of the Union composed of delegations from the Union's Member States. Plenipotentiary conferences are held every four years to adopt the underlying policies of the organization and determine its structure and activities;
- the Council, composed of 46 Members of the Union which acts on behalf of the Plenipotentiary Conference and meets annually to consider broad telecommunication policy issues in order to ensure that the Union's policies and strategies fully respond to today's dynamic telecommunication environment. It also prepares a report on the policy and strategic planning of the ITU. In addition, the Council is responsible for ensuring the efficient coordination of the Union's work (monitoring work programmes, approving budgets and controlling finances and expenditure);
- world conferences on international telecommunications, which meet according to needs, to establish the general principles which relate to the provision

and operation of international telecommunications services offered to the public;

- a Radiocommunication Sector;
- a Telecommunication Standardization Sector;
- a Telecommunications Development Sector;
- a General Secretariat.

Radiocommunication

The role of the Radiocommunication Sector is to ensure the rational, equitable, efficient and economical use of the radio-frequency spectrum by all radiocommunication services, including those using the geostationary-satellite orbit, and to carry out studies without limit of frequency range on the basis of which recommendations are adopted.

The decision-making functions of the Radiocommunication Sector are performed by Radiocommunication Conferences. World Radiocommunication Conferences are held every two to three years to review, and, if necessary, revise the *Radio Regulations*, the international treaty governing the use of the radio frequency spectrum and the geostationary and non-geostationary satellite orbits. Radiocommunication Assemblies (RA) are responsible for approving the programme of technical work, for setting up the structures required to carry out this work, for making work assignments (including conference preparatory work and radiocommunication studies), and for determining the priority, urgency and timeframe for completion of studies. The technical work is carried out by experts groups called "Study Groups".

Standardization

The duties of the Telecommunication Standardization Sector (ITU-T) are to study technical and operating questions and to issue recommendations (*de facto* standards) to foster seamless interconnection of the world's telecommunication networks and systems. The Sector is also being called upon to forge new standards for the interoperability of equipment from once-disparate realms (telecommunications broadcasting and computing) and facilitate the development of a new world of multimedia-based communications in a converged environment.

The Sector also adopts recommendations on tariff and accounting principles for international telecommunications services and considers policy issues related to carriage and content. Technical or operating questions specifically related to radiocommunication come within the purview of the Radiocommunication Sector.

The decision-making functions of the Telecommunication Standardization Sector fall within the mandate of World Telecommunication Standardization Assemblies which also adopt the work programme and determine the timeframe for completion of work relating to the preparation of standards.

The technical work is carried out by Study Groups which develop technical specifications and operating parameters for equipment and systems covering every aspect of network operation.

In particular, the ITU-T is charged with coordinating the development of the systems and technologies which constitute the emerging Global Information Infrastructure. Areas under study include broadband ISDN, Internet Protocol-based networks and ground-breaking technologies related to new multimedia systems, including special protocols and signal processing systems, high-speed modems, digital subscriber line systems (xDSL) and new types of multimedia terminal. Although they are not binding, ITU-T Recommendations are generally complied with because they guarantee the interconnectivity of networks and enable services to be provided on a worldwide scale.

Development

The role of the Telecommunication Development Sector is to facilitate and enhance telecommunications development through advice and direct technical assistance. Sector activities range from policy and regulatory advice, advice on the financing of telecommunications and on low-cost technology options, assistance in human resource management, and the development of initiatives targeting rural development and universal access. Throughout all these activities the Telecommunication Development Sector and its executive arm, the Telecommunication Development Bureau (BDT) maintain a strong emphasis on brokering partnerships with the private sector, with a view to harnessing the commercial drive of industry to the needs of developing nations.

It also offers a network of resources allowing countries to find out about and learn from other experiences can be very valuable to assist governments and regulators in their bid to provide universal access

Finally, the Sector produces a range of authoritative information resources which provide analysis of trends in the global telecommunications sector backed by official statistics from the world's leading source of telecommunication information. Examples include the World Telecommunication Development Report (WTDR), a flagship publication which provides a comprehensive overview of an industry in full transition, and the Telecommunication

Regulatory Survey, an annual survey which monitors world telecommunication reform and serves as the basis of a regulatory database offering vital information for governments reforming their telecommunications sector.

The decision-making functions of the Telecommunication Development Sector are fulfilled by World and Regional Telecommunication Development Conferences supported by study groups.

General Secretariat

The task of the General Secretariat is to manage the administrative and financial aspects of the Union's activities, including the provision of conference services, information services, long range strategic planning, and corporate functions (Communication, Legal affairs, Finance, Personnel and Common Services).

- The Secretariat's work in managing the Union's many meetings and regional and international assemblies and conferences covers organizational and logistical support, the provision of administrative services, documentation, and the provision of translation and interpretation services in the six working languages of the Union.
- Through an extensive document preparation and handling centre, the Secretariat is also charged with the production and printing of documents and publications as well as with marketing, sales and dispatch of publications to customers worldwide.
- In the area of strategic planning, policy development, external relations and corporate communication, the Secretariat is involved in activities ranging from the preparation of policy and research papers and reports tracking changing trends in the global telecommunications environment, to the development of corporate communication policies and materials promoting the work of the Union.
- The Secretariat manages relations with the media, with the United Nations and with other international and regional organizations, and handles matters of international protocol. In addition, it proposes improvements to working methods and identifies cost-saving measures through operations analysis.
- The management of the finances of the Union is also the responsibility of the General Secretariat. Activities include advising and informing the membership and legislative bodies of the Union on financial and budgetary matters, preparation of the Union's draft budget, preparation of cost analysis, and financial reporting.
- It is the responsibility of the Secretariat to manage the Union's legal affairs, providing advice and legal opinions on a wide range of important documents

including formal agreements and international treaties. The Secretariat also has an important role to play in assisting the Secretary-General in his role as the ITU's legal representative and depository of treaties and other agreements concluded by the ITU or under its auspices.

- The internal communications requirements of the ITU are also handled by the Secretariat, which provides an up-to-date information technology infrastructure,

information exchange services, administrative software applications and software development environments.

- Finally, the Secretariat assists the Secretary-General in developing policies relating to personnel and human resources, providing essential advice on a wide range of matters including recruitment, staff training, counseling and post classification.



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