



LIST OF RECOMMENDATIONS

ITU-T



LIST OF ITU-T RECOMMENDATIONS

Edition 2003-2

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NOTE

For the latest, most up-to-date information please consult the ITU-T website at the following address:

www.itu.int/ITU-T/publications

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International Telecommunication Union

Place des Nations
CH-1211 Geneva 20
Switzerland

Telephone: + 41 22 730 51 11
Telefax: + 41 22 733 72 56
Telex: 421000 uit ch
Telegram: ITU GENEVE
E-mail: itumail@itu.int
Web: www.itu.int/

**ITU-T
Telecommunication Standardization Bureau**

Place des Nations
CH-1211 Geneva 20
Switzerland

Telephone: + 41 22 730 58 52
Telefax: + 41 22 730 58 53
E-mail: tsbmail@itu.int
Electronic document handling: tsbedh@itu.int
Web: www.itu.int/itu-t

International Telecommunication Union

Sales and Marketing Division
Place des Nations
CH-1211 Geneva 20
Switzerland

Telephone: + 41 22 730 61 41 (English)
+ 41 22 730 61 42 (Français)
+ 41 22 730 61 43 (Español)
Telefax: + 41 22 730 51 94
Telex: 421000 uit ch
E-mail: sales@itu.int
Web: www.itu.int/publications

**The bookshop is open at the ITU Headquarters (Tower Building) in Geneva
from 8h30 to 12h00 and from 13h30 to 17h00, Monday to Friday.**

INTRODUCTION

The main purpose of this List is to indicate all the ITU-T (formerly CCITT) Recommendations currently in effect at the date of its publication. In addition, the ITU-T Supplements which contain operational or other practical/implementation type of information related to a particular Series of Recommendations are listed at the end of that Series in the List.

Until 1990, (former) CCITT Recommendations were grouped for publication in fascicles of the CCITT Books. Since 1990, CCITT/ITU-T Recommendations have been published as individual booklets.

It should be noted that, within established ITU budgets, there is provision for translation of a number of ITU-T Recommendations into Arabic, Chinese and Russian. The choice of which Recommendations are translated is established in collaboration with the principal ITU Member Countries involved. Readers interested in such language versions should get in touch with ITU Sales and Marketing Division at the address provided in this List.

New Recommendations which are currently in the process of publication are noted as "To be published". At the date when a Recommendation is approved, there remain several steps in preparing and printing the texts so the actual publication date for these Recommendations is necessarily different from the approval date. When an electronic version of a recently-approved Recommendation becomes available the text is pre-published and can be downloaded (see the ITU Electronic Bookshop, page 205). Pre-published and superseded ITU-T Recommendations are now also available via the yearly online subscription service and the Electronic Bookshop.

When an ITU-T Recommendation is accompanied by addenda (Add.), amendments (Amd.) and/or corrigenda (Cor.), all documents should be purchased in order to have the complete information. All Series A Recommendations and the corrigenda may be downloaded for free from the ITU Website.

A few Recommendations include software written specifically to help customers, telecommunications service operators or manufacturers to test equipment, systems or networks. There is a list of available software on page 193.

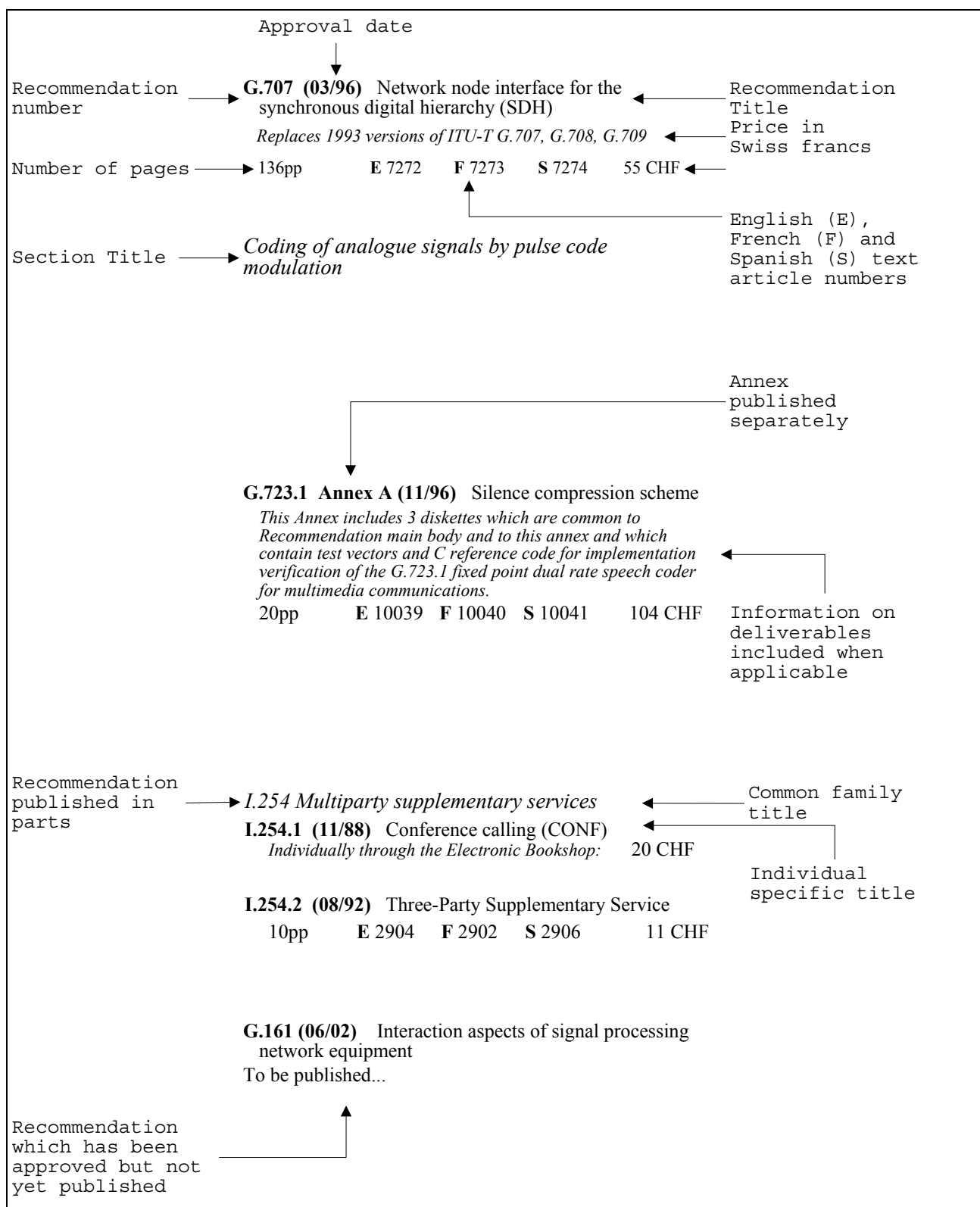
Other Recommendations describe test charts intended to test graphic communication systems. Test charts of special quality with different resolutions may be ordered separately from the ITU Sales Service, since the specimens reproduced in those Recommendations are generally not suited for measurements. The available test charts are listed on page 199.

While most of the foregoing applies to printed paper copies of ITU-T Recommendations, the same Recommendations are available electronically through the ITU Electronic Bookshop, the ITU-T Recommendations Online and ITU-T Recommendations on CD-ROM. More detailed information about these products and how to order them is provided at the end of this List. For forthcoming publications, please refer regularly to the Web: **www.itu.int/publications**.

Finally, if you require further information about the operations of the ITU Standardization Sector or the contents of ITU-T Recommendations, please use the address and numbers on page 2.

Telecommunication Standardization Bureau

LEGEND



List of ITU-T Recommendations in force

SERIES A

Organization of the work of ITU-T

A.1 (10/00) Work Methods for Study Groups of the ITU Telecommunication Standardization Sector (ITU-T)

Free of charge from the Electronic Bookshop

17pp E 20202 F 20203 S 20204 12 CHF

A.2 (10/00) Presentation of contributions relative to the study of Questions assigned to the ITU-T

Free of charge from the Electronic Bookshop

12pp E 20205 F 20206 S 20207 9 CHF

A.3 (10/96) **Withdrawn (10.00)**

Elaboration and presentation of texts and development of terminology and other means of expression for Recommendations of the ITU Telecommunication Standardization Sector

Deleted; an "ITU-T Recommendation author's guide" is available on ITU-T website

Free of charge from the Electronic Bookshop

16pp E 14771 F 14771 S 14771 12 CHF

A.4 (06/02) Communication process between ITU-T and Forums and Consortia

Free of charge from the Electronic Bookshop

12pp E 22840 F 22841 S 22842 9 CHF

A.5 (11/01) Generic procedures for including references to documents of other organizations in ITU-T Recommendations

Free of charge from the Electronic Bookshop

12pp E 21663 F 21664 S 21665 9 CHF

A.6 (06/02) Cooperation and exchange of information between ITU-T and national and regional standards development organizations

Free of charge from the Electronic Bookshop

12pp E 22843 F 22844 S 22845 9 CHF

A.7 (06/02) Focus groups: Working methods and procedures

Free of charge from the Electronic Bookshop

11pp E 22846 F 22847 S 22848 9 CHF

A.8 (10/00) Alternative approval process for new and revised Recommendations

Free of charge from the Electronic Bookshop

17pp E 20214 F 20215 S 20216 12 CHF

A.9 (10/00) Provisional working procedures for the Special Study Group on IMT-2000 and Beyond

Free of charge from the Electronic Bookshop

10pp E 20217 F 20218 S 20219 9 CHF

A.11 (10/00) Publication of ITU-T Recommendations and WTSA proceedings

Free of charge from the Electronic Bookshop

12pp E 20220 F 20221 S 20222 9 CHF

A.12 (10/00) Identification and layout of ITU-T Recommendations

Free of charge from the Electronic Bookshop

10pp E 20223 F 20224 S 20225 9 CHF

A.13 (10/00) Supplements to ITU-T Recommendations

Free of charge from the Electronic Bookshop

10pp E 20226 F 20227 S 20228 9 CHF

A.23 Annex A (11/01) Guide to ITU-T and ISO/IEC JTC1 cooperation

Free of charge from the Electronic Bookshop

24pp 17 CHF

A.30 (03/93) **Withdrawn (10.00)**

Major degradation or disruption of service

This Recommendation is also included but not published in F series under alias number F.12

This Recommendation, which was also included but not published in F series under alias number F.12, was deleted and its content transferred to ITU-T C.2

Free of charge from the Electronic Bookshop

1pp E 14775 F 14775 S 14775 9 CHF

Supplements to the Series A Recommendations

Suppl. 1 (09/98) Guidelines on quality aspects of protocol related Recommendations
Free of charge from the Electronic Bookshop
19pp E 14163 F 14164 S 14165 12 CHF

Suppl. 2 (06/00) Guidelines on interoperability experiments
Free of charge from the Electronic Bookshop
10pp E 18634 F 18635 S 18636 9 CHF

Suppl. 3 (11/01) IETF and ITU-T collaboration guidelines
Free of charge from the Electronic Bookshop
14pp E 23317 F 23318 S 23319 12 CHF

SERIES B

Means of expression: definitions, symbols, classification

B.1 (11/88) Withdrawn (10.00)
Letter symbols for telecommunications
Deleted after its content became technically out of date
1pp E 14776 F 14776 S 14776 9 CHF

B.3 (11/88) Withdrawn (10.00)
Use of the international system of units (SI)
Deleted after its content became technically out of date
1pp E 14777 F 14777 S 14777 9 CHF

B.10 (11/88) Withdrawn (10.00)
Graphical symbols and rules for the preparation of documentation in telecommunications
Deleted after its content became technically out of date
1pp E 11742 F 11742 S 11742 9 CHF

B.11 (11/88) Legal time – use of the term UTC
Blue Book – Fascicle I.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

B.12 (11/88) Withdrawn (03.02)
Use of the decibel and the neper in telecommunications
Deleted since its content is covered by ITU-T Rec. G.100.1
12pp E 14779 F 14779 S 14779 9 CHF

B.13 (11/88) Withdrawn (10.00)
Terms and definitions
Deleted after its content became technically out of date
14pp E 14780 F 14780 S 14780 9 CHF

B.14 (11/88) Withdrawn (10.00)
Terms and symbols for information quantities in telecommunications
Deleted after its content became technically out of date
1pp E 14781 F 14781 S 14781 9 CHF

B.15 (10/96) Withdrawn (10.00)
Nomenclature of the frequency and wavelength bands used in telecommunications
Deleted; refer to ITU-R definitions
8pp E 11647 F 11648 S 11649 9 CHF

B.16 (11/88) Withdrawn (10.00)
Use of certain terms linked with physical quantities
Deleted; refer to ITU-R definitions
4pp E 14782 F 14782 S 14782 9 CHF

B.17 (11/88) Withdrawn (11.01)
Adoption of the CCITT Specification and description Language (SDL)
ITU-T B.17 was deleted as its content is adequately covered by Rec. Z.110
2pp E 14783 F 14783 S 14783 9 CHF

B.19 (10/96) Withdrawn (10.00)
Abbreviations and initials used in telecommunications
Deleted after its content became technically out of date
8pp E 11176 F 11177 S 11178 9 CHF

SERIES C

General telecommunication statistics

C.1 (03/93) Withdrawn (10.00)
ITU statistical yearbook
Deleted after the transfer of telecommunication statistics activity to ITU-D
10pp E 5555 F 5554 S 5556 11 CHF

C.3 (03/93) Withdrawn (09.02)
Instructions for international telecommunication services
Given that the text of Rec. C.3 consists of an index to a number of Recommendations which are now of little or no practical use, it was decided to delete it. Electronic access to ITU-T Recommendations would appear to provide a better index and reference mechanisms
1pp E 3702 F 3701 S 3703 8 CHF

SERIES D

General tariff principles

Terms and definitions

D.000 (06/02) Terms and definitions for the D-series Recommendations
14pp E 22534 F 22535 S 22536 12 CHF

General tariff principles

Private leased telecommunication facilities

D.1 (07/91) General principles for the lease of international (continental and intercontinental) private telecommunication circuits and networks
8pp E 2164 F 2163 S 2165 10 CHF

D.3 (06/92) Principles for the lease of analogue international circuits for private service
2pp E 2622 F 2653 S 2684 8 CHF

D.4 (12/98) Special conditions for the lease of international (continental and intercontinental) sound- and television-programme circuits for private service
12pp E 16030 F 16031 S 16032 12 CHF

D.5 (11/88) Costs and value of services rendered as factors in the fixing of rates
Blue Book – Fascicle II.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

D.7 (01/92) Concept and implementation of “one-stop shopping” for international private leased telecommunication circuits
3pp E 2602 F 2631 S 2662 8 CHF

D.8 (11/88) Special conditions for the lease of international end-to-end digital circuits for private service
Blue Book – Fascicle II.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

D.9 (11/88) Private leasing of transmitters or receivers
Blue Book – Fascicle II.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Tariff principles applying to data communication services over dedicated public data networks

D.10 (07/91) General tariff principles for international public data communication services
3pp E 2137 F 2136 S 2138 7 CHF

D.11 (03/91) Special tariff principles for international packet-switched public data communication services by means of the virtual call facility

3pp E 1978 F 1977 S 1979 7 CHF

D.12 (11/88) Measurement unit for charging by volume in the international packet-switched data communication service

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.13 (11/88) Guiding principles to govern the apportionment of accounting rates in international packet-switched public data communication relations

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.15 (11/88) General charging and accounting principles for non-voice services provided by interworking between public data networks

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.20 (11/88) Special tariff principles for the international circuit-switched public data communication services

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.21 (11/88) Special tariff principles for short transaction transmissions on the international packet-switched public data networks using the fast select facility with restriction

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.30 (11/88) Implementation of reverse charging on international public data communication services

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.35 (01/92) General charging principles in the international public message handling services and associated applications

2pp E 2600 F 2629 S 2660 8 CHF

D.36 (03/95) General accounting principles applicable to message handling services and associated applications

12pp E 6090 F 6089 S 6091 11 CHF

D.37 (07/96) Accounting and settlement principles applicable to the provision of public directory services between interconnected Directory Management Domains

12pp E 7475 F 7476 S 7477 12 CHF

Charging and accounting in the international public telegram service

D.40 (06/92) General tariff principles applicable to telegrams exchanged in the international public telegram service

4pp E 2694 F 2693 S 2695 8 CHF

D.41 (11/88) Introduction of accounting rates by zones in the international public telegram service
Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.42 (11/88) Accounting in the international public telegram service

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.43 (11/88) Partial and total refund of charges in the international public telegram service

A Corrigendum was indicated in 02/1990 for the English version.

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Charging and accounting in the international teletext service

D.45 (06/92) Charging and accounting principles for the international teletext service

2pp E 2627 F 2658 S 2689 8 CHF

Principles applicable to GII-Internet

D.50 (10/00) International Internet Connection

4pp E 19683 F 19684 S 19685 9 CHF

D.50 (11/88) Withdrawn (10.96)

Tariff and international accounting principles for the international teletext service

Deleted as a consequence of the suppression of Teletext service

Free of charge from the Electronic Bookshop

Charging and accounting in the international telex service

D.60 (07/91) Guiding principles to govern the apportionment of accounting rates in intercontinental telex relations

2pp E 2140 F 2139 S 2141 7 CHF

D.61 (11/88) Charging and accounting provisions relating to the measurement of the chargeable duration of a telex call

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.65 (11/88) General charging and accounting principles in the international telex service for multi-address messages via store-and-forward units

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.67 (03/95) Charging and accounting in the international telex service

4pp E 5852 F 5851 S 5853 8 CHF

Charging and accounting in the international facsimile service

D.70 (06/92) General tariff principles for the international public facsimile service between public bureaux (bureaufax service)

3pp E 2691 F 2690 S 2692 8 CHF

D.71 (06/92) General tariff principles for the public facsimile service between subscriber stations (telefax service)

2pp E 2626 F 2657 S 2688 8 CHF

D.73 (06/92) General tariff and international accounting principles for interworking between the international bureaufax and telefax services

2pp E 2623 F 2654 S 2685 8 CHF

Charging and accounting in the international videotex service

D.79 (07/91) Charging and accounting principles for the international videotex service

5pp E 2146 F 2145 S 2147 7 CHF

Charging and accounting in the international phototelegraph service

D.80 (11/88) Accounting and refunds for phototelegrams

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.81 (11/88) Accounting and refunds for private phototelegraph calls
Blue Book – Fascicle II.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

D.83 (11/88) Rates for phototelegrams and private phototelegraph calls
Blue Book – Fascicle II.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

D.85 (11/88) Charging for international phototelegraph calls to multiple destinations
Blue Book – Fascicle II.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Charging and accounting in the mobile services

D.90 (03/95) Charging, billing, international accounting and settlement in the maritime mobile service
The date of entry into force of this Recommendation was fixed at the 01 July 1995.
Covering note, May 1999: Spanish only
24pp E 6126 F 6125 S 6127 15 CHF

D.91 (07/96) Transmission in encoded form of maritime telecommunications accounting information
TSB circular 125 (29 June 1998) and corresponding covering note detail year 2000 issues regarding the interpretation of transmitted year data.
28pp E 7478 F 7479 S 7480 17 CHF

D.93 (04/00) Charging and accounting in the international land mobile telephone service (provided via cellular radio systems)
20pp E 19974 F 19975 S 19976 17 CHF

D.93 (2000) Corrigendum 1 (12/02)

D.94 (01/92) Charging, billing and accounting principles for international aeronautical mobile service, and international aeronautical mobile-satellite service
4pp E 2601 F 2630 S 2661 8 CHF

D.95 (10/92) Charging, billing, accounting and refunds in the data messaging land/maritime mobile-satellite service
8pp E 3227 F 3226 S 3228 11 CHF

D.96 (12/99) Charging, billing, accounting and settlement principles for Global Mobile Personal Communications by Satellite (GMPCS) for the international telephone service
28pp E 17694 F 17695 S 17696 17 CHF

D.98 (03/93) Withdrawn (10.96)
Charging and accounting provisions relating to the transferred account telegraph and telematic services
Deleted after its content became technically out of date

Charging and accounting in the international telephone service

D.100 (11/88) Charging for international calls in manual or semi-automatic operating
Blue Book – Fascicle II.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

D.103 (06/92) Charging in automatic service for calls terminating on a recorded announcement stating the reason for the call not being completed
This Recommendation is also included but not published in E series under alias number E.231
1pp E 2625 F 2656 S 2687 8 CHF

D.104 (11/88) Charging for calls to subscriber's station connected either to the absent subscriber's service or to a device substituting a subscriber in his absence
This Recommendation is also published under alias number E.232

Blue Book – Fascicle II.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

D.105 (11/88) Charging for calls from or to a public call office
Blue Book – Fascicle II.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

D.106 (11/88) Introduction of reduced rates during periods of light traffic in international telephone service
Blue Book – Fascicle II.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

D.110 (06/92) Charging and accounting for conference calls
1pp E 2621 F 2652 S 2683 8 CHF

- D.115 (10/96)** Tariff principles and accounting for the International Freephone Service (IFS)
8pp E 9994 F 9995 S 9996 9 CHF
- D.116 (10/96)** Charging and accounting principles relating to the home country direct telephone service
8pp E 9997 F 9998 S 9999 9 CHF
- D.117 (06/99)** Charging and accounting principles for the international premium rate service (IPRS)
8pp E 16135 F 16136 S 16137 9 CHF
- D.120 (07/96)** Charging and accounting principles for the international telecommunication charge card service
8pp E 7323 F 7324 S 7325 9 CHF
- D.140 (06/02)** Accounting rate principles for the international telephone service
22pp E 22602 F 22603 S 22604 17 CHF
- D.140 (2002) Amendment 1 (12/02)** New Appendix to Annex C: Guidelines
8pp E 23157 F 23158 S 23159 9 CHF
- D.140 (2002) Amendment 2 (06/03)** Revision to Annex E
7pp E 24121 F 24122 S 24123 9 CHF
- D.140 Supplement 1 (06/02)** Updated teledensities and indicative target settlement rates
12pp E 22809 F 22810 S 22811 9 CHF
- D.140 Supplement 2 (06/03)** Updated teledensities and indicative target settlement rates (1 January 2003)
10pp E 24143 F 24144 S 24145 9 CHF
- D.150 (06/99)** New system for accounting in international telephony
20pp E 16059 F 16060 S 16061 17 CHF
- D.151 (11/88)** Old system for accounting in international telephony
A correction was introduced in a Covering note by June 1990
Blue Book – Fascicle II.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- D.155 (07/96)** Guiding principles governing the apportionment of accounting rates in intercontinental telephone relations
8pp E 7409 F 7410 S 7411 9 CHF

Drawing up and exchange of international telephone and telex accounts

- D.160 (11/88)** Mode of application of the flat-rate price procedure set forth in Recommendation D.67 and Recommendation D.150 for remuneration of facilities made available to the Administrations of other countries

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

- D.170 (06/98)** Monthly telephone and telex accounts
16pp E 13757 F 13758 S 13759 12 CHF

- D.171 (11/88)** Adjustments and refunds in the international telephone service

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

- D.172 (11/88)** Accounting for calls circulated over international routes for which accounting rates have not been established

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

- D.173 (11/88)** Defaulting subscribers

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

- D.174 (11/88)** Conventional transmission of information necessary for billing and accounting regarding collect and credit card calls

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

- D.176 (12/97)** Transmission in encoded form of telephone reversed charge billing and accounting information

TSB circular 125 (29 June 1998) and corresponding covering note detail year 2000 issues regarding the interpretation of transmitted year data.

12pp E 13895 F 13896 S 13897 12 CHF

- D.177 (11/88)** Adjustment of charges and refunds in the international telex service

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.178 (03/93) Monthly accounts for semi-automatic telephone calls (ordinary and urgent calls, with or without special facilities)

1pp E 4201 F 4200 S 4202 8 CHF

International sound- and television-programme transmissions

D.180 (06/02) Occasional provision of circuits for international sound- and television-programme transmissions

22pp E 22800 F 22801 S 22802 17 CHF

Charging and accounting for international satellite services

D.185 (11/88) General tariff and accounting principles for international one-way point-to-multipoint satellite services

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.186 (10/96) General tariff and accounting principles for international two-way multipoint telecommunication service via satellite

12pp E 10003 F 10004 S 10005 12 CHF

D.188 (10/92) General charging and accounting principles applicable to an international videoconferencing service

3pp E 3207 F 3206 S 3208 8 CHF

Transmission of monthly international accounting information

D.190 (06/02) Exchange of international traffic accounting data between administrations using electronic data interchange (EDI) techniques

11pp E 22273 F 22273 S 22273 9 CHF

Service and privilege telecommunications

D.192 (06/92) Principles for charging and accounting of service telecommunications

2pp E 2624 F 2655 S 2686 8 CHF

D.193 (11/88) Special tariff principles for privilege telecommunications

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Settlement of international telecommunication balances of accounts

D.196 (06/92) Clearing of international telecommunication balances of accounts

2pp E 2620 F 2651 S 2682 8 CHF

D.197 (07/91) Notification of change of address(es) for accounting and settlement purposes

3pp E 2119 F 2118 S 2120 7 CHF

D.201 (12/02) General principles regarding call-back practices

8pp E 23048 F 23049 S 23050 9 CHF

Charging and accounting principles for international telecommunication services provided over the ISDN

D.210 (09/94) General charging and accounting principles for international telecommunication services provided over the Integrated Services Digital Network (ISDN)

3pp E 5647 F 5646 S 5648 8 CHF

D.211 (12/98) International accounting for the use of the signal transfer point and/or signalling point for relay in Signalling System No. 7

8pp E 16027 F 16028 S 16029 9 CHF

D.212 (10/96) Charging and accounting principles for the use of Signalling System No. 7

8pp E 9962 F 9963 S 9964 9 CHF

D.220 (03/91) Charging and accounting principles to be applied to international circuit-mode demand bearer services provided over the integrated services digital network (ISDN)

2pp E 2003 F 2002 S 2004 7 CHF

D.224 (12/99) Charging and accounting principles for ATM/B-ISDN

24pp E 17776 F 17777 S 17778 17 CHF

D.225 (12/97) Charging and accounting principles to be applied to frame relay data transmission service

8pp E 13703 F 13704 S 13705 9 CHF

D.230 (03/95) General charging and accounting principles for supplementary services associated with international telecommunication services provided over the Integrated Services Digital Network (ISDN)

2pp E 5979 F 5978 S 5980 8 CHF

D.231 (11/88) Charging and accounting principles relating to the User-to-User Information (UUI) supplementary service

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.232 (05/97) Specific tariff and accounting principles applicable to ISDN supplementary services

12pp E 11632 F 11633 S 11634 12 CHF

D.233 (07/96) Charging and accounting principles to be applied to the reversed charge supplementary service

8pp E 7415 F 7416 S 7417 9 CHF

D.240 (03/91) Charging and accounting principles for teleservices supported by the ISDN

2pp E 2015 F 2014 S 2016 7 CHF

D.250 (07/91) General charging and accounting principles for non-voice services provided by interworking between the ISDN and existing public data networks

2pp E 2125 F 2124 S 2126 7 CHF

D.251 (11/88) General charging and accounting principles for the basic telephone service provided over the ISDN or by interconnection between the ISDN and the public switched telephone network

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

D.260 (03/91) Charging and accounting capabilities to be applied on the ISDN

3pp E 2027 F 2026 S 2028 7 CHF

Charging and accounting principles for universal personal telecommunication

D.280 (03/95) Principles for charging and billing, accounting and reimbursements for universal personal telecommunication

15pp E 6120 F 6119 S 6121 15 CHF

Charging and accounting principles for intelligent network supported services

D.285 (07/96) Guiding principles for charging and accounting for intelligent network supported services

12pp E 7481 F 7482 S 7483 12 CHF

D.286 (07/96) Charging and accounting principles for the global virtual network service

8pp E 7484 F 7485 S 7486 9 CHF

Recommendations for regional application

Recommendations applicable in Europe and the Mediterranean Basin

D.300R (03/95) Determination of accounting rate shares in telephone relations between countries in Europe and the Mediterranean Basin

Covering note, August 1998: Applicability of 1992 values of standard accounting rate shares components

10pp E 6102 F 6101 S 6103 11 CHF

D.301R (03/95) Determination of accounting rate shares and collection charges in telex relations between countries in Europe and the Mediterranean Basin

Covering note, August 1998: Applicability of 1984 values of standard accounting rate shares components

11pp E 6150 F 6149 S 6151 11 CHF

D.302R (03/95) Determination of the accounting rate shares and collection charges for the international public telegram service applicable to telegrams exchanged between countries in Europe and the Mediterranean Basin

Covering note, August 1998: Applicability of 1984 values of standard transition and terminal rate shares components

3pp E 5976 F 5975 S 5977 8 CHF

D.303R (03/95) Determination of accounting rate shares and collection charges applicable by countries in Europe and the Mediterranean Basin to the occasional provision of circuits for sound- and television-programme transmissions

Covering note, August 1998: Applicability of 1984 values of standard accounting rate shares components

12pp E 6147 F 6146 S 6148 11 CHF

D.305R (11/88) Withdrawn (03.95)

Remuneration for facilities used for the switched-transit handling of intercontinental telephone traffic in a country in Europe or the Mediterranean Basin

Deleted after its content became technically out of date

D.306R (07/91) Remuneration of public packet-switched data transmission networks between the countries of Europe and the Mediterranean Basin
2pp E 2122 F 2121 S 2123 7 CHF

D.307R (03/95) Remuneration of digital systems and channels used in telecommunication relations between the countries of Europe and the Mediterranean Basin

Covering note, August 1998: Applicability of 1984 values of flat-rate remuneration

4pp E 6129 F 6128 S 6130 8 CHF

D.310R (03/95) Determination of rentals for the lease of international programme (sound- and television-) circuits and associated control circuits for private service in relations between countries in Europe and the Mediterranean Basin

Covering note, August 1998: Applicability of 1984 values of the annual rental

2pp E 5984 F 5983 S 5985 8 CHF

D.390R (11/88) Withdrawn (03.95)

Accounting system in the international automatic telephone service

Deleted after its content became technically out of date

Recommendations applicable in Latin America

D.400R (12/99) Accounting rates applicable to direct traffic relations in voice telephony between countries in Latin America and the Caribbean

24pp E 17956 F 17957 S 17958 17 CHF

D.401R (11/88) Withdrawn (09.98)

Accounting rates applicable to telex relations between countries in Latin America

Deleted following a proposal from the Tariff Group for Latin America and the Caribbean because the maximum rates indicated in this Recommendation cannot be used for negotiating accounting rates

E 14804 F 14804 S 14804 9 CHF

Recommendations applicable in Asia and Oceania

D.500R (06/98) Accounting rates applicable to telephone relations between countries in Asia and Oceania

16pp E 15428 F 15429 S 15430 12 CHF

D.501R (10/93) Accounting rates applicable to telex relations between countries in Asia and Oceania

2pp E 4668 F 4667 S 4669 8 CHF

Recommendations applicable to the African Region

D.600R (10/00) Implementor's guide for Recommendation G.763 (14 April 2000)

20pp E 19630 F 19631 S 19632 17 CHF

D.601R (10/93) Determination of accounting rate shares and collection charges in telex relations between countries in Africa

8pp E 5163 F 5221 S 5256 11 CHF

D.602R (12/02) Application of the "sender pays transit" principle in transit relations

8pp E 23045 F 23046 S 23047 9 CHF

D.603R (12/02) Minimizing collection charges on inter-African calls

8pp E 23057 F 23058 S 23059 9 CHF

D.606R (11/88) Preferential rates in telecommunication relations between countries in Africa

Blue Book – Fascicle II.1 (see: List of Books in force)

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Supplements to the Series D Recommendations

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Blue Book – Fascicle II.1 (see: List of Books in force)

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Suppl. 2 (11/88) Method for carrying out a cost price study by regional tariff groups

Blue Book – Fascicle II.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 3 (03/93) Handbook on the methodology for determining costs and establishing national tariffs

44pp E 7508 F 7509 S 7510 22 CHF

SERIES E

**Overall network operation,
telephone service, service operation
and human factors**

International operation

Definitions

E.100 (11/88) Definitions of terms used in international telephone operation

Blue Book – Fascicle II.2 (see: List of Books in force)

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- E.104 (02/95)** International telephone directory assistance service and public access
2pp E 5858 F 5857 S 5859 8 CHF
- E.105 (08/92)** International telephone service
6pp E 3010 F 3003 S 3017 8 CHF
- E.106 (03/00)** Description of an international emergency preference scheme (IEPS)
12pp E 18180 F 18181 S 18182 12 CHF
- E.109 (02/95)** International billed number screening procedures for collect and third-party calling
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- E.110 (11/88)** Organization of the international telephone network
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Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.112 (11/88)** Arrangements to be made for controlling the telephone services between two countries
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.113 (05/97)** Validation procedures for the international telecommunications charge card service
12pp E 11994 F 11995 S 11996 12 CHF
- E.114 (11/88)** Supply of lists of subscribers (directories and other means)
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.115 (02/95)** Computerized directory assistance
22pp E 5995 F 5994 S 5996 15 CHF
- E.116 (05/97)** International telecommunication charge card service
16pp E 11883 F 11884 S 11885 12 CHF
- E.117 (06/94)** Terminal devices used in connection with the public telephone service (other than telephones)
2pp E 5185 F 5235 S 5270 8 CHF
- E.118 (02/01)** The international telecommunication charge card
16pp E 20927 F 20928 S 20929 12 CHF

General provisions concerning users

- E.120 (11/88)** Instructions for users of the international telephone service
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.121 (07/96)** Pictograms, symbols and icons to assist users of the telephone service
24pp E 7391 F 7392 S 7393 17 CHF
- E.122 (11/88)** Measures to reduce customer difficulties in the international telephone service
Blue Book – Fascicle II.2 (see: List of Books in force)
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- E.123 (02/01)** Notation for national and international telephone numbers, e-mail addresses and Web addresses
14pp E 20897 F 20898 S 20899 12 CHF
- E.124 (11/88)** Discouragement of frivolous international calling to unassigned or vacant numbers answered by recorded announcements without charge
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.125 (10/84)** Inquiries among users of the international telephone service
Red Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.126 (11/88)** Harmonization of the general information pages of the telephone directories published by administrations
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.127 (11/88)** Pages in the telephone directory intended for foreign visitors
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.128 (11/88)** Leaflet to be distributed to foreign visitors
Blue Book – Fascicle II.2 (see: List of Books in force)
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- E.129 (09/02)** Presentation of national numbering plans
19pp E 22915 F 22916 S 22917 12 CHF
- E.130 (11/88)** Choice of the most useful and desirable supplementary telephone services
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.131 (11/88)** Subscriber control procedures for supplementary telephone services
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.132 (11/88) Standardization of elements of control procedures for supplementary telephone services
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.133 (11/88) Operating procedures for cardphones
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.134 (03/93) Human factors aspects of public terminals: generic operating procedures
4pp E 3935 F 3934 S 3936 8 CHF

E.135 (10/95) Human factors aspects of public telecommunication terminals for people with disabilities
12pp E 6452 F 6453 S 6454 11 CHF

E.136 (05/97) Specification of a tactile identifier for use with telecommunication cards
8pp E 11982 F 11983 S 11984 9 CHF

E.137 (05/97) User instructions for payphones
16pp E 12028 F 12029 S 12030 12 CHF

E.138 (06/02) Human factors aspects of public telephones to improve their usability for older people
28pp E 22697 F 22698 S 22699 17 CHF

Operation of international telephone services

E.140 (08/92) Operator-assisted telephone service
4pp E 3012 F 3005 S 3019 8 CHF

E.141 (03/93) Withdrawn (09.03)
Instructions for operators on the operator-assisted international telephone service
Issued as an independant instructions handbook. This Recommendation was deleted on December 20th, 2002 since it was no longer of interest
E 3382 F 3381 S 3383 23 CHF

E.148 (11/88) Routing of traffic by automatic transit exchanges
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.149 (11/88) Presentation of routing data
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.150 (11/88) Withdrawn (02.96)
Publication of a “list of international telephone routes”
Deleted after ITU-T decision not to publish the list due to the impossibility of updating it in the existing international environment

E.151 (08/92) Telephone conference calls
2pp E 3013 F 3006 S 3020 8 CHF

E.152 (02/01) International freephone service
36pp E 21209 F 21210 S 21211 17 CHF

E.153 (10/96) Home country direct
8pp E 10836 F 10837 S 10838 9 CHF

E.154 (03/98) International shared cost service
28pp E 13475 F 13476 S 13477 17 CHF

E.155 (03/98) International premium rate service
25pp E 13456 F 13457 S 13548 17 CHF

E.155 (1998) Amendment 1 (02/01) The international telecommunication charge card
6pp E 20879 F 20880 S 20881 9 CHF

Numbering plan of the international telephone service

E.160 (03/93) Withdrawn (05.97)
Definitions relating to national and international numbering plans
The content of this Recommendation is now covered by ITU-T E.164 (1997)

E.161 (02/01) Arrangement of digits, letters and symbols on telephones and other devices that can be used for gaining access to a telephone network
14pp E 20885 F 20886 S 20887 12 CHF

E.163 (11/88) Withdrawn (08.91)
Numbering plan for the international telephone service
The content of this Recommendation was incorporated in ITU-T E.164 (1991)

E.164 (05/97) The international public telecommunication numbering plan
Replaces former E.163 numbering plan
24pp E 11877 F 11878 S 11879 17 CHF

E.164 Supplement 1 (03/98) Alternatives for carrier selection and network identification
16pp E 13513 F 13514 S 13515 12 CHF

E.164 Supplement 2 (11/98) Number Portability
24pp E 15318 F 15319 S 15320 17 CHF

E.164 Supplement 3 (05/02) Supplement 3: Operational and administrative issues associated with national implementations of the ENUM functions
30pp E 22932 F 22933 S 22934 17 CHF

E.164 Supplement 4 (05/03) Operational and administrative issues associated with the implementation of ENUM for non-geographic country codes
14pp E 23599 12 CHF

E.164.1 (03/98) Criteria and procedures for the reservation, assignment and reclamation of E.164 country codes and associated Identification Codes (ICs)
20pp E 13311 F 13312 S 13313 17 CHF

- E.164.2 (02/01)** E.164 numbering resources for trials
10pp E 20900 F 20901 S 20902 9 CHF
- E.164.3 (09/01)** Principles, criteria and procedures for the assignment and reclamation of E.164 country codes and associated identification codes for groups of countries
13pp E 23185 F 23186 S 23187 12 CHF
- E.165 (11/88)** Timetable for coordinated implementation of the full capability of the numbering plan for the ISDN era (Recommendation E.164)
This Recommendation is also published under alias number Q.11 ter
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.165.1 (10/96)** Use of escape code “0” within the E.164 numbering plan during the transition period to implementation of NPI mechanism
8pp E 10006 F 10007 S 10008 9 CHF
- E.166/X.122 (03/98)** Numbering plan interworking for the E.164 and X.121 numbering plans
This Recommendation is published with the double number E.166 and X.122
44pp E 13314 F 10010 S 10011 22 CHF
- E.167 (11/88)** ISDN network identification codes
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.168 (05/02)** Application of E.164 numbering plan for UPT
18pp E 22426 F 22427 S 22428 12 CHF
- E.168.1 (05/02)** Assignment procedures for universal personal telecommunications (UPT) numbers in the provisioning of the UPT service
20pp E 22426 F 22427 S 22428 12 CHF
- E.169 (05/02)** Application of Recommendation E.164 numbering plan for universal international numbers for international telecommunications services using country codes for global services
13pp E 23079 F 23080 S 23081 12 CHF
- E.169.1 (09/01)** Application of Recommendation E.164 numbering plan for universal international freephone numbers for international freephone service
This version is a revision of former Rec. E.169 (11/1998)
30pp E 21715 F 21716 S 21717 17 CHF
- E.169.2 (10/00)** Application of Recommendation E.164 numbering plan for universal international premium rate numbers for the international premium rate service
24pp E 18897 F 18898 S 18899 17 CHF
- E.169.3 (10/00)** Application of Recommendation E.164 numbering plan for universal international shared cost numbers for international shared cost service
24pp E 18771 F 18772 S 18773 17 CHF
- International routing plan*
- E.170 (10/92)** Traffic routing
8pp E 3277 F 3276 S 3278 8 CHF
- E.171 (11/88)** International telephone routing plan
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.172 (10/92)** ISDN routing plan
Replaces ITU-T I.335 (1988).
18pp E 3354 F 3353 S 3355 15 CHF
- E.173 (08/91)** Routing plan for interconnection between public land mobile networks and fixed terminal networks
12pp E 2339 F 2317 S 2361 10 CHF
- E.174 (04/95)** Routing principles and guidance for Universal Personal Telecommunications (UPT)
9pp E 6162 F 6161 S 6163 11 CHF
- E.175 (11/88)** Models for international network planning
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.177 (10/96)** B-ISDN routing
16pp E 10012 F 10013 S 10014 12 CHF
- Tones in national signalling systems*
- E.180/Q.35 (03/98)** Technical characteristics of tones for the telephone service
This Recommendation is published with the double number E.180 and Q.35
16pp E 13110 F 13111 S 13112 12 CHF
- E.181 (11/88)** Customer recognition of foreign tones
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.182 (03/98)** Application of tones and recorded announcements in telephone services
12pp E 13244 F 13246 S 13248 12 CHF
- E.183 (03/98)** Guiding principles for telephone announcements
8pp E 13250 F 13253 S 13255 9 CHF
- E.184 (11/88)** Indications to users of ISDN terminals
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Numbering plan of the international telephone service

E.190 (05/97) Principles and responsibilities for the management, assignment and reclamation of E-series international numbering resources
12pp E 11785 F 11786 S 11787 12 CHF

E.191 (03/00) B-ISDN addressing
22pp E 17930 F 17931 S 17932 17 CHF

E.191 (2000) Corrigendum 1 (02/02)

E.191.1 (02/01) Criteria and procedures for the allocation of the ITU-T International Network Designator addresses
14pp E 22154 F 22155 S 22156 12 CHF

E.193 (03/00) E.164 country code expansion
16pp E 18191 F 18194 S 18193 12 CHF

E.195 (10/00) ITU-T International numbering resource administration
12pp E 18736 F 18737 S 18738 12 CHF

Maritime mobile service and public land mobile service

E.200 (07/96) Withdrawn (09.03)
Operational provisions for the maritime mobile service
E.200 was an alias name of ITU-T F.110. Only this alias name was suppressed. ITU-T F.110 remains valid

E.201 (08/91) Withdrawn (09.02)
Reference recommendation for mobile services
This Recommendation was deleted since it has not been updated since 1991
9pp E 2335 F 2313 S 2357 10 CHF

E.202 (10/92) Network operational principles for future public mobile systems and services
6pp E 3268 F 3267 S 3269 8 CHF

E.210 (11/88) Ship station identification for VHF/UHF and maritime mobile-satellite services
This Recommendation is also published under alias number F.120. For more details, see F.120
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.211 (11/88) Withdrawn (01.02)
Selection procedures for VHF/UHF maritime mobile services
Deleted because E.211 has no service function
3pp E 14845 F 14845 S 14845 9 CHF

E.212 (11/98) The international identification plan for mobile terminals and mobile users
8pp E 14489 F 14490 S 14491 9 CHF

E.212 (1998) Amendment 1 (05/03) New Annex A: Criteria and procedures for the assignment of shared E.212 mobile country codes (MCC) and their respective mobile network codes (MNC)
11pp E 24158 F 24159 S 24160 9 CHF

E.213 (11/88) Telephone and ISDN numbering plan for land mobile stations in public land mobile networks (PLMN)
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.214 (11/88) Structure of the land mobile global title for the signalling connection control part (SCCP)
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.216 (03/93) Withdrawn (10.96)
Selection procedures for the INMARSAT mobile-satellite telephone and ISDN services
Only the previous edition (1988) of ITU-T E.216 was published. 1993 edition was never published and the out-of-date Recommendation was definitively suppressed in 1996

E.217 (05/02) Maritime communications – Ship station identity
34pp E 23088 F 23089 S 23090 17 CHF

E.220 (02/96) Interconnection of public land mobile networks (PLMN)
8pp E 7136 F 7137 S 7138 9 CHF

Operational provisions relating to charging and accounting in the international telephone service

Charging in the international telephone service

E.230 (08/92) Chargeable duration of calls
1pp E 3014 F 3007 S 3021 8 CHF

E.232 (11/88) Charging for calls to subscriber's station connected either to the absent subscriber's service or to a device substituting a subscriber in his absence
This Recommendation is also published under alias number D.104. For more details, see D.104
Blue Book – Fascicle II.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Measuring and recording call durations for accounting purposes

E.260 (11/88) Basic technical problems concerning the measurement and recording of call durations
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.261 (11/88) Devices for measuring and recording call durations
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Utilization of the international telephone network for non-telephone applications

General

E.300 (11/88) Special uses of circuits normally employed for automatic telephone traffic
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.301 (03/93) Impact of non-voice applications on the telephone network
15pp E 5098 F 5097 S 5099 11 CHF

Phototelegraphy

E.320 (11/88) Speeding up the establishment and clearing of phototelegraph calls
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

ISDN provisions concerning users

E.330 (11/88) User control of ISDN-supported services
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.331 (10/91) Minimum user-terminal interface for a human user entering address information into an ISDN terminal
6pp E 2341 F 2319 S 2363 7 CHF

International routing plan

E.350 (03/00) Dynamic Routing Interworking
48pp E 18048 F 18049 S 18050 22 CHF

E.351 (03/00) Routing of multimedia connections across TDM-, ATM-, and IP-based networks
52pp E 18266 F 18267 S 18268 29 CHF

E.352 (03/00) Routing guidelines for efficient routing methods
20pp E 18125 F 18126 S 18127 17 CHF

E.353 (02/01) Routing of calls when using international network routing addresses
16pp E 20924 F 20925 S 20926 12 CHF

E.360.1 (05/02) Framework for QoS routing and related traffic engineering methods for IP-, ATM-, and TDM-based multiservice networks
50pp E 23114 F 23115 S 23116 22 CHF

E.360.2 (05/02) QoS routing & related traffic engineering methods – Call routing & connection routing methods
37pp E 23095 F 23096 S 23097 22 CHF

E.360.3 (05/02) QoS routing & related traffic engineering methods – QoS resource management methods
38pp E 23067 F 23068 S 23069 22 CHF

E.360.4 (05/02) QoS routing & related traffic engineering methods – routing table management methods & requirements
32pp E 23021 F 23022 S 23023 17 CHF

E.360.5 (05/02) QoS routing and related traffic engineering methods – Transport routing methods
29pp E 23131 F 23132 S 23133 17 CHF

E.360.6 (05/02) QoS routing & related traffic engineering methods – capacity management methods
34pp E 23101 F 23102 S 23103 17 CHF

E.360.7 (05/02) QoS routing and related traffic engineering methods – Routing table management methods and requirements
20pp E 22966 F 22967 S 22968 12 CHF

E.361 (05/03) QoS routing support for interworking of QoS service classes across routing technologies
23pp E 23984 F 23985 S 23986 17 CHF

E.370 (02/01) Service principles when public circuit-switched international telecommunication networks interwork with IP-based networks
16pp E 20602 F 20603 S 20604 12 CHF

Network management

International service statistics

E.401 (11/88) Statistics for the international telephone service (number of circuits in operation and volume of traffic)
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

International network management

- E.410 (03/98)** International network management – General information
12pp E 13256 F 13257 S 13258 12 CHF
- E.411 (03/00)** International network management – Operational guidance
28pp E 18195 F 18196 S 18197 17 CHF
- E.411 (2000) Amendment 1 (03/01)**
8pp E 20535 F 20536 S 20537 9 CHF
- E.412 (01/03)** Network management controls
30pp E 23595 F 23596 S 23597 17 CHF
- E.413 (11/88)** International network management – Planning
Blue Book – Fascicle II.3 (see: List of Books in force)
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- E.414 (11/88)** International network management – Organization
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.415 (08/91)** International network management guidance for common channel signalling system No. 7
7pp E 2336 F 2314 S 2358 10 CHF
- E.416 (03/00)** Network Management Principles and Functions for B-ISDN Traffic
16pp E 18109 F 18110 S 18111 12 CHF
- E.417 (02/01)** Framework for the network management of IP-Based networks
20pp E 20888 F 20889 S 20890 17 CHF
- E.418 (05/03)** Framework for network management of IMT-2000 networks
9pp E 23602 9 CHF
- E.420 (11/88)** Checking the quality of the international telephone service – General considerations
Blue Book – Fascicle II.3 (see: List of Books in force)
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- E.425 (03/02)** Internal automatic observations
16pp E 22034 F 22035 S 22036 12 CHF
- E.426 (10/92)** General guide to the percentage of effective attempts which should be observed for international telephone calls
1pp E 3274 F 3273 S 3275 8 CHF
- E.427 (11/88)** Collection and statistical analysis of special quality of service observation data for measurements of customer difficulties in the international automatic service
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2pp E 3252 F 3251 S 3253 8 CHF
- E.430 (06/92)** Quality of service framework
3pp E 2707 F 2706 S 2708 8 CHF
- E.431 (06/92)** Service quality assessment for connection set-up and release delays
3pp E 2801 F 2763 S 2836 8 CHF
- E.432 (06/92)** Connection quality
5pp E 2802 F 2764 S 2837 8 CHF
- E.433 (06/92)** Billing integrity
3pp E 2803 F 2765 S 2838 8 CHF
- E.434 (06/92)** Subscriber-to-subscriber measurement of the public switched telephone network
8pp E 2814 F 2779 S 2849 11 CHF
- E.436 (03/98)** Customer Affecting Incidents and blocking Defects Per Million
8pp E 12970 F 12971 S 12972 9 CHF
- E.437 (05/99)** Comparative metrics for network performance management
12pp E 15974 F 15975 S 15976 12 CHF
- E.438 (03/00)** Performance parameters and measurement methods to assess N-ISDN 64 kbit/s circuit switched bearer service UDI in operation
12pp E 18643 F 18644 S 18645 12 CHF
- E.439 (03/00)** Test call measurement to assess N-ISDN 64 kbit/s circuit-switched bearer service UDI in operation
20pp E 18598 F 18599 S 18600 17 CHF

Checking the quality of the international telephone service

- E.440 (02/96)** Customer satisfaction point
4pp E 7030 F 7031 S 7032 9 CHF
- E.450 (03/98)** Facsimile quality of service on public networks – General aspects
8pp E 13113 F 13114 S 13115 9 CHF
- E.451 (02/01)** Facsimile call cut-off performance
8pp E 20921 F 20922 S 20923 9 CHF
- E.452 (03/93)** Facsimile modem speed reductions and transaction time
3pp E 4156 F 4155 S 4157 8 CHF
- E.453 (08/94)** Facsimile image quality as corrupted by transmission-induced scan line errors
5pp E 5653 F 5652 S 5654 8 CHF
- E.454 (10/96)** Transmission performance metrics based on Error Correction Mode (ECM) facsimile
12pp E 9914 F 9915 S 9916 12 CHF
- E.456 (03/98)** Test transaction for facsimile transmission performance
8pp E 13259 F 13260 S 13261 9 CHF
- E.457 (02/96)** Facsimile measurement methodologies
8pp E 7203 F 7204 S 7205 9 CHF
- E.458 (02/96)** Figure of merit for facsimile transmission performance
4pp E 7033 F 7034 S 7035 9 CHF
- E.459 (03/98)** Measurements and metrics for characterizing facsimile transmission performance using non-intrusive techniques
16pp E 13009 F 13010 S 13011 12 CHF
- E.460 (03/00)** Measurements and metrics for monitoring the performance of V.34 Group 3 facsimile
12pp E 18198 F 18199 S 18200 12 CHF

Traffic engineering

Measurement and recording of traffic

- E.490 (06/92)** Traffic measurement and evaluation – General survey
5pp E 2804 F 2766 S 2839 8 CHF
- E.490.1 (01/03)** Overview of Recommendations on traffic engineering
26pp E 23536 F 23537 S 23538 17 CHF
- E.491 (05/97)** Traffic measurement by destination
8pp E 11799 F 11800 S 11801 9 CHF

- E.492 (02/96)** Traffic reference period
8pp E 7108 F 7109 S 7110 9 CHF
- E.493 (02/96)** Grade of service (GOS) monitoring
16pp E 7308 F 7309 S 7310 12 CHF
- E.500 (11/98)** Traffic intensity measurement principles
16pp E 14598 F 14599 S 14600 12 CHF
- E.501 (05/97)** Estimation of traffic offered in the network
28pp E 11973 F 11974 S 11975 17 CHF
- E.502 (02/01)** Traffic measurement requirements for digital telecommunication exchanges
34pp E 21411 F 21412 S 21413 17 CHF
- E.503 (06/92)** Traffic measurement data analysis
6pp E 2813 F 2775 S 2848 8 CHF
- E.504 (11/88)** Traffic measurement administration
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.505 (06/92)** Measurements of the performance of common channel signalling network
13pp E 2815 F 2780 S 2850 11 CHF

Forecasting of traffic

- E.506 (06/92)** Forecasting international traffic
19pp E 2818 F 2783 S 2853 15 CHF
- E.507 (11/88)** Models for forecasting international traffic
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.508 (10/92)** Forecasting new telecommunication services
20pp E 3386 F 3385 S 3387 15 CHF

Determination of the number of circuits in manual operation

- E.510 (11/88) Withdrawn (09.02)**
Determination of the number of circuits in manual operation
This Recommendation was deleted since it has not been updated since 1988 and is no longer of interest
2pp E 14864 F 14864 S 14864 9 CHF

Determination of the number of circuits in automatic and semi-automatic operation

- E.520 (11/88)** Number of circuits to be provided in automatic and/or semiautomatic operation, without overflow facilities
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.521 (11/88)** Calculation of the number of circuits in a group carrying overflow traffic
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.522 (11/88)** Number of circuits in a high-usage group
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.523 (11/88)** Standard traffic profiles for international traffic streams
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.524 (05/99)** Overflow approximations for non-random inputs
16pp E 16094 F 16095 S 16096 12 CHF
- E.525 (06/92)** Designing networks to control grade of service
7pp E 2816 F 2781 S 2851 11 CHF
- E.526 (03/93)** Dimensioning a circuit group with multi-slot bearer services and no overflow inputs
5pp E 4949 F 4948 S 4950 9 CHF
- E.527 (03/00)** Dimensioning at a circuit group with multi-slot bearer services and overflow traffic
16pp E 18543 F 18544 S 18545 12 CHF
- E.528 (02/96)** Dimensioning of digital circuit multiplication equipment (DCME) systems
20pp E 7311 F 7312 S 7313 17 CHF
- E.529 (05/97)** Network dimensioning using end-to-end GOS objectives
40pp E 11997 F 11998 S 11999 22 CHF

Grade of service

- E.540 (11/88)** Overall grade of service of the international part of an international connection
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.541 (11/88)** Overall grade of service for international connections (subscriber-to-subscriber)
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

- E.543 (11/88)** Grades of service in digital international telephone exchanges
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

- E.550 (03/93)** Grade-of-service and new performance criteria under failure conditions in international telephone exchanges
9pp E 5074 F 5073 S 5075 11 CHF

Definitions

- E.600 (03/93)** Terms and definitions of traffic engineering
16pp E 4162 F 4161 S 4163 15 CHF

Traffic engineering for IP-networks

- E.651 (03/00)** Reference connections for traffic engineering of IP access networks
12pp E 18201 F 18202 S 18203 12 CHF
- E.671 (03/00)** Post-selection delay in PSTN/ISDN using Internet telephony for a portion of the connection
12pp E 18128 F 18129 S 18130 12 CHF
- E.681 (10/01)** Traffic engineering methods for IP access networks based on hybrid fiber/coax system
18pp E 22458 F 22459 S 22460 12 CHF

ISDN traffic engineering

- E.700 (10/92)** Framework of the E.700-Series Recommendations
1pp E 3310 F 3309 S 3311 8 CHF
- E.701 (10/92)** Reference connections for traffic engineering
2pp E 3289 F 3288 S 3290 8 CHF

E.710 (10/92) Withdrawn (10.96)

ISDN traffic modelling overview

Deleted after its content became technically out of date

- E.711 (10/92)** User demand modelling
9pp E 3323 F 3322 S 3324 11 CHF
- E.712 (10/92)** User plane traffic modelling
14pp E 3313 F 3312 S 3314 11 CHF
- E.713 (10/92)** Control plane traffic modelling
Only the title changes
8pp E 3389 F 3388 S 3390 8 CHF
- E.716 (10/96)** User demand modelling in Broadband-ISDN
16pp E 9917 F 9918 S 9919 12 CHF

- E.720 (11/88)** ISDN grade of service concept
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.721 (05/99)** Network grade of service parameters and target values for circuit-switched services in the evolving ISDN
12pp E 16014 F 16015 S 16016 12 CHF
- E.723 (06/92)** Grade-of-service parameters for Signalling System No. 7 networks
5pp E 2820 F 2785 S 2855 8 CHF
- E.724 (02/96)** GOS parameters and target GOS objectives for IN services
12pp E 7154 F 7155 S 7156 12 CHF
- E.726 (03/00)** Network grade of service parameters and target values for B-ISDN
20pp E 18275 F 18276 S 18277 17 CHF
- E.728 (03/98)** Grade-of-service parameters for B-ISDN signalling
12pp E 13002 F 13003 S 13004 12 CHF
- E.730 (10/92) Withdrawn (10.96)**
ISDN dimensioning methods overview
Deleted after its content became technically out of date
- E.731 (10/92)** Methods for dimensioning resources operating in circuit-switched mode
10pp E 3429 F 3428 S 3430 9 CHF
- E.733 (11/98)** Methods for dimensioning resources in Signalling System No. 7 networks
20pp E 14639 F 14640 S 14641 17 CHF
- E.734 (10/96)** Methods for allocating and dimensioning Intelligent Network (IN) resources
28pp E 9859 F 9860 S 9861 17 CHF
- E.735 (05/97)** Framework for traffic control and dimensioning in B-ISDN
32pp E 11985 F 11986 S 11987 17 CHF
- E.736 (03/00)** Methods for cell level traffic control in B-ISDN
36pp E 18649 F 18650 S 18651 22 CHF
- E.737 (02/01)** Dimensioning methods for B-ISDN
40pp E 21020 F 21021 S 21022 22 CHF
- E.743 (04/95)** Traffic measurements for SS No. 7 dimensioning and planning
3pp E 6004 F 6003 S 6005 8 CHF
- E.744 (10/96)** Traffic and congestion control requirements for SS No. 7 and IN-structured networks
16pp E 9920 F 9921 S 9922 12 CHF
- E.745 (03/00)** Cell level measurement requirements for the B-ISDN
20pp E 18646 F 18647 S 18648 17 CHF
- Mobile network traffic engineering*
- E.750 (03/00)** Introduction to the E.750 series of Recommendations on traffic engineering aspects of networks supporting personal communications services
16pp E 18546 F 18547 S 18548 12 CHF
- E.751 (02/96)** Reference connections for traffic engineering of land mobile networks
12pp E 7206 F 7207 S 7208 12 CHF
- E.752 (10/96)** Reference connections for traffic engineering of maritime and aeronautical systems
20pp E 10015 F 10016 S 10017 17 CHF
- E.755 (02/96)** Reference connections for UPT traffic performance and GOS
8pp E 7036 F 7037 S 7038 9 CHF
- E.760 (03/00)** Terminal mobility traffic modelling
20pp E 18390 F 18391 S 18392 17 CHF
- E.770 (03/93)** Land mobile and fixed network interconnection traffic grade of service concept
3pp E 4308 F 4307 S 4309 8 CHF
- E.771 (10/96)** Network grade of service parameters and target values for circuit-switched public land mobile services
20pp E 9923 F 9924 S 9925 17 CHF
- E.773 (10/96)** Maritime and aeronautical mobile grade of service concept
8pp E 9862 F 9863 S 9864 9 CHF
- E.774 (10/96)** Network grade of service parameters and target values for maritime and aeronautical mobile services
12pp E 9865 F 9866 S 9867 12 CHF
- E.775 (02/96)** UPT grade of service concept
8pp E 7104 F 7105 S 7106 9 CHF
- E.776 (10/96)** Network grade of service parameters for UPT
8pp E 9868 F 9869 S 9870 9 CHF

Quality of telecommunication services: concepts, models, objectives and dependability planning

Terms and definitions related to the quality of telecommunication services

- E.800 (08/94)** Terms and definitions related to quality of service and network performance including dependability
53pp E 5867 F 5866 S 5868 20 CHF
- E.801 (10/96)** Framework for service quality agreement
20pp E 9982 F 9983 S 9984 17 CHF

Models for telecommunication services

- E.810 (10/92)** Framework of the Recommendations on the serviceability performance and service integrity for telecommunication services
2pp E 3326 F 3325 S 3327 8 CHF
- E.820 (10/92)** Call models for serviceability and service integrity performance
9pp E 3329 F 3328 S 3330 11 CHF
- E.830 (10/92)** Models for the specification, evaluation and allocation of serviceability and service integrity
3pp E 3304 F 3303 S 3305 8 CHF

Objectives for quality of service and related concepts of telecommunication services

- E.845 (11/88)** Connection accessibility objective for the international telephone service
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- E.846 (03/93)** Accessibility for 64 kbit/s circuit-switched international end-to-end ISDN connection types
6pp E 5077 F 5076 S 5078 8 CHF
- E.850 (10/92)** Connection retainability objective for the international telephone service
5pp E 3316 F 3315 S 3317 9 CHF
- E.855 (11/88)** Connection integrity objective for the international telephone service
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Use of quality of service objectives for planning of telecommunication networks

- E.860 (06/02)** Framework of a service level agreement
30pp E 22803 F 22804 S 22805 17 CHF

- E.862 (06/92)** Dependability planning of telecommunication networks
13pp E 2821 F 2786 S 2856 11 CHF

Field data collection and evaluation on the performance of equipment, networks and services

- E.880 (11/88)** Field data collection and evaluation on the performance of equipment, networks and services
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Supplements to the Series E Recommendations

Supplements to the Series E Recommendations relating to the operations of the international service

- E.300 Series Supplement 1 (11/88)** List of possible supplementary telephone services which may be offered to subscribers
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.300 Series Supplement 2 (01/94) Withdrawn (05.03)

Various tones used in national networks

The information previously contained in this supplement is now available on the "International Numbering Resources" portion of ITU-T website

34pp E 5529 F 5528 S 5530 17 CHF

- E.300 Series Supplement 3 (11/88)** North american precise audible tone plan
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

- E.300 Series Supplement 4 (11/88)** Treatment of calls considered as terminating abnormally
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

- E.300 Series Supplement 5 (10/84)** Modelling of an experimental test design for the determination of inexperienced user difficulties in setting up international calls using nationally available instructions, or to compare different sets of instructions
Red Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

- E.300 Series Supplement 6 (11/88)** Preparation of information to customers travelling abroad
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.300 Series Supplement 7 (11/88) Description of INMARSAT existing and planned systems
Blue Book – Fascicle II.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Supplements to the Series E Recommendations relating to telephone network management and traffic engineering

E.800 Series Supplement 1 (11/88) Table of the Erlang formula
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.800 Series Supplement 2 (11/88) Curves showing the relation between the traffic offered and the number of circuits required
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.800 Series Supplement 5 (11/88) Teletraffic implications for international switching and operational procedures resulting from a failure of a transmission facility
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

E.800 Series Supplement 7 (11/88) Guide for evaluating and implementing alternate routing networks
Blue Book – Fascicle II.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

SERIES F
Non-telephone telecommunication services

Telegraph service

Operating methods for the international public telegram service

F.1 (03/98) Operational provisions for the international public telegram service
64pp E 13031 F 13032 S 13033 29 CHF

F.2 (11/88) Operational provisions for the collection of telegram charges
Published as F.42 (11/88), then renumbered as F.2
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.4 (11/88) Plain and secret language
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.10 (11/88) Character error rate objective for telegraph communication using 5-unit start-stop equipment
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.11 (10/91) Continued availability of traditional services
2pp E 2347 F 2325 S 2369 7 CHF

F.12 (03/93) Withdrawn (10.00)
Major degradation or disruption of service
This Recommendation is published under alias number A.30
This Recommendation was published under alias number A.30, which was deleted and transferred to ITU-T C.2

F.13 (11/88) Withdrawn (07.96)
Operational provisions for participation in the transferred account telegraph and telematic service
Published as F.41 (11/88), then renumbered as F.13. It was deleted after the withdrawal of the transferred account telegraph and telematic service

F.14 (08/92) General provisions for one-stop-shopping arrangements
2pp E 2878 F 2870 S 2886 8 CHF

F.15 (08/92) Evaluating the success of new services
2pp E 2880 F 2872 S 2888 8 CHF

F.16 (02/95) Global virtual network service
19pp E 5973 F 5972 S 5974 15 CHF

F.17 (08/92) Operational aspects of service telecommunications
2pp E 2881 F 2873 S 2889 8 CHF

F.18 (03/98) Guidelines on harmonization of international public bureau services
12pp E 13073 F 13074 S 13075 12 CHF

F.19 (01/96) Collection and dissemination of official service information
10pp E 22741 F 22741 S 22741 9 CHF

The gentex network

F.20 (11/88) The international gentex service
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.21 (11/88) Composition of answer-back codes for the international gentex service
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.23 (11/88) Grade of service for long-distance international genex circuits
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.24 (11/88) Average grade of service from country to country in the genex service
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Message switching

F.30 (03/93) Use of various sequences of combinations for special purposes
2pp E 3732 F 3731 S 3733 8 CHF

F.31 (11/88) Telegram retransmission system
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.32 (10/95) Telegram destination indicators
Formerly Rec. F.96.
8pp E 6438 F 6439 S 6440 8 CHF

F.35 (11/88) Provisions applying to the operation of an international public automatic message switching service for equipments utilizing the international telegraph Alphabet No. 2
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

The international telemessage service

F.40 (03/91) International public telemessage service
Formerly Rec. F.50.
10pp E 1954 F 1953 S 1955 10 CHF

F.41 (03/91) Interworking between the telemessage service and the international public telegram service
Formerly Rec. F.51.
2pp E 1963 F 1962 S 1964 7 CHF

The international telex service

F.59 (10/96) General characteristics of the international telex service
12pp E 10889 F 10890 S 10891 12 CHF

F.60 (08/92) Operational provisions for the international telex service
31pp E 3009 F 3002 S 3016 15 CHF

F.61 (11/88) Operational provisions relating to the chargeable duration of a telex call
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.63 (03/93) Additional facilities in the international telex service
2pp E 3748 F 3747 S 3749 8 CHF

F.64 (11/88) Determination of the number of international telex circuits required to carry a given volume of traffic
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.65 (11/88) Time-to-answer by operators at international telex positions
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.68 (11/88) Establishment of the automatic intercontinental telex network
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.69 (06/94) The international telex service – Service and operational provisions of telex destination codes and telex network identification codes
5pp E 5456 F 5455 S 5457 8 CHF

F.70 (11/88) Evaluating the quality of the international telex service
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.71 (11/88) Interconnection of private teleprinter networks with the telex network
Blue Book – Fascicle II.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.72 (10/96) The international telex service – General principles and operational aspects of a store and forward facility
20pp E 11009 F 11010 S 11011 17 CHF

F.73 (07/90) Operational principles for communication between terminals of the international telex service and data terminal equipment on packet-switched public data networks
Corr. 12/90
6pp E 1887 F 1886 S 1888 7 CHF

F.74 (08/92) Intermediate storage devices accessed from the international telex service using single stage selection – Answerback format
2pp E 2876 F 2868 S 2884 8 CHF

F.80 (10/91) Basic requirements for interworking relations between the international telex service and other services
3pp E 2348 F 2326 S 2370 7 CHF

F.82 (10/91) Operational provisions to permit interworking between the international telex service and the intex service
2pp E 2345 F 2323 S 2367 7 CHF

F.83 (07/90) Operational principles for communication between terminals of the international telex service and data terminal equipment on packet-switched public data networks

Published as F.73, then renumbered as F.83. A Corrigendum was indicated in 12/1990.

6pp E 1887 F 1886 S 1888 7 CHF

F.86 (10/91) Interworking between the international telex service and the videotex service

6pp E 2350 F 2328 S 2372 7 CHF

F.87 (03/91) Operational principles for the transfer of messages from terminals on the telex network to Group 3 facsimile terminals connected to the public switched telephone network

Drafted as F.76, then renumbered and published as F.87.

9pp E 1966 F 1965 S 1967 10 CHF

F.89 (08/92) Status enquiry function in the international telex service

4pp E 2877 F 2869 S 2885 8 CHF

Statistics and publications on international telegraph services

F.91 (11/88) Withdrawn (07.96)

General statistics for the telegraph services

Deleted as a consequence of the abolition of a number of service documents

F.92 (11/88) Withdrawn (07.96)

Service codes

The content of this Recommendation is now covered by ITU-T F.32

F.93 (11/88) Withdrawn (07.96)

Routing table for offices connected to the genlex service

Deleted as a consequence of the abolition of a number of service documents

F.95 (11/88) Withdrawn (07.96)

Table of international telex relations and traffic

Deleted as a consequence of the abolition of a number of service documents

Scheduled and leased communication services

F.100 (11/88) Scheduled radiocommunication service

Blue Book – Fascicle II.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

F.104 (10/91) International leased circuit services – customer circuit designations

2pp E 2342 F 2320 S 2364 7 CHF

Phototelegraph service

F.105 (11/88) Operational provisions for phototelegrams

Published as F.80 (11/88), then renumbered as F.105.

Blue Book – Fascicle II.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

F.106 (11/88) Operational provisions for private phototelegraph calls

Published as F.80 bis (11/88), then renumbered as F.106.

Blue Book – Fascicle II.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

F.107 (11/88) Rules for phototelegraph established calls over circuits normally used for telephone traffic

Published as F.82 (11/88), then renumbered as F.107. This Recommendation is also included but not published in E series under alias number E.323.

Blue Book – Fascicle II.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

F.108 (11/88) Operating rules for international phototelegraph calls to multiple destinations

Published as F.85 (11/88), then renumbered as F.108.

Blue Book – Fascicle II.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Mobile service

Mobile services and multidestination satellite services

F.110 (07/96) Operational provisions for the maritime mobile service

The date of entry into effect of this Recommendation edition is 1 January 1997.

24pp E 9562 F 9563 S 9564 17 CHF

F.111 (03/91) Principles of service for mobile systems

2pp E 1969 F 1968 S 1970 7 CHF

F.112 (11/88) Quality objectives for 50-baud start-stop telegraph transmission in the maritime mobile-satellite service

Blue Book – Fascicle II.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

F.113 (08/92) Service provisions for aeronautical passenger communications supported by mobile-satellite systems

3pp E 2879 F 2871 S 2887 8 CHF

F.115 (02/95) Service objectives and principles for future public land mobile telecommunication systems

9pp E 5967 F 5966 S 5968 11 CHF

F.116 (03/00) Service features and operational provisions in IMT-2000

16pp E 18042 F 18043 S 18044 12 CHF

F.120 (11/88) Ship station identification for VHF/UHF and maritime mobile-satellite services

This Recommendation is also published under alias number E.210

Blue Book – Fascicle II.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

F.122 (11/88) Operational procedures for the maritime satellite data transmission service

Blue Book – Fascicle II.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

F.125 (08/93) Numbering plan for access to the mobile-satellite services of INMARSAT from the international telex service

Recs E.215 and F.125 were deleted on December 20th, 2002 since their content was published as an annex to ITU-T Rec. E.217 (05/2002)

8pp E 4496 F 4495 S 4497 11 CHF

F.127 (10/96) Operational procedures for interworking between the international telex service and the service offered by the INMARSAT-C system

8pp E 10801 F 10802 S 10803 9 CHF

F.130 (11/88) Maritime answer-back codes

Blue Book – Fascicle II.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

F.131 (11/88) Radiotelex service codes

Blue Book – Fascicle II.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

F.140 (03/93) Point-to-multipoint telecommunication service via satellite

4pp E 3862 F 3861 S 3863 8 CHF

F.141 (06/94) International two-way multipoint telecommunication service via satellite

3pp E 5468 F 5467 S 5469 8 CHF

F.150 (10/91) Service and operational provisions for the Intex service

4pp E 2349 F 2327 S 2371 7 CHF

Telematic services

Public facsimile service

F.160 (03/93) Withdrawn (07.99)

General operational provisions for the international public facsimile services

Deleted as a result of liberalisation in the telecommunications environment resulting in the removal of international regulated services

5pp E 3672 F 3671 S 3673 8 CHF

F.162 (07/96) Service and operational requirements of store-and-forward facsimile service

12pp E 9565 F 9566 S 9567 12 CHF

F.163 (07/96) Operational requirements of the interconnection of facsimile store-and-forward units

12pp E 9651 F 9652 S 9653 12 CHF

F.166 (07/96) Withdrawn (07.99)

Service and operational requirements for a fax database service (FaxDB)

Deleted as there are no plans for the introduction of a service of this nature

8pp E 7275 F 7276 S 7277 9 CHF

F.170 (03/98) Operational provisions for the international public facsimile service between public bureaux (Bureaufax)

12pp E 13034 F 13035 S 13036 12 CHF

F.171 (11/88) Operational provisions relating to the use of store-and-forward switching nodes within the bureaufax service

Blue Book – Fascicle II.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

F.180 (10/96) Withdrawn (07.99)

General operational provisions for the international public facsimile service between subscribers' terminals (Telefax)

Deleted as a result of liberalisation in the telecommunications environment resulting in the removal of international regulated services

F.182 (10/96) Withdrawn (07.99)

Operational provisions for the international public facsimile service between subscribers with Group 3 facsimile terminals (Telefax 3)

Deleted as a result of liberalisation in the telecommunications environment resulting in the removal of international regulated services

8pp E 10774 F 10775 S 10776 9 CHF

F.182bis (10/96) Guidelines for the support of the communication of documents using Group 3 facsimile between user terminals via public networks
8pp E 10777 F 10778 S 10779 9 CHF

F.184 (07/96) Withdrawn (07.99)

Operational provisions for the international public facsimile service between subscriber stations with group 4 facsimile terminals (telex 4)

Deleted as a result of liberalisation in the telecommunications environment resulting in the removal of international regulated services

16pp E 7487 F 7488 S 7489 12 CHF

F.185 (06/98) Internet facsimile: Guidelines for the support of the communication of facsimile documents

8pp E 13964 F 13965 S 13966 9 CHF

F.190 (08/92) Operational provisions for the international facsimile service between public bureaux and subscriber stations and vice versa (bureaufax-telex and vice versa)

3pp E 2989 F 2982 S 2996 8 CHF

Telex service

F.200 (08/92) Withdrawn (07.96)

Telex service

Deleted as a consequence of the suppression of Telex service

F.201 (03/93) Withdrawn (07.96)

Interworking between telex service and telex service – General principles

Deleted as a consequence of the suppression of Telex service

F.202 (11/88) Withdrawn (07.96)

Interworking between the telex service and the telex service – General procedures and operational requirements for the international interconnection of telex/telex conversion facilities

Deleted as a consequence of the suppression of Telex service

F.203 (11/88) Withdrawn (07.96)

Network based storage for the telex service

Deleted as a consequence of the suppression of Telex service

F.220 (03/93) Withdrawn (07.96)

Service requirements unique to the processable mode number eleven (PM11) used within the telex service

Deleted as a consequence of the suppression of Telex service

F.230 (11/88) Withdrawn (07.96)

Service requirements unique to the mixed mode (MM) used within the telex service

Deleted as a consequence of the suppression of Telex service

Videotex service

F.300 (03/93) Videotex service
30pp E 4029 F 4028 S 4030 20 CHF

F.301 (10/95) Fast speed PSTN videotex
8pp E 6645 F 6646 S 6647 8 CHF

General provisions for telematic services

F.350 (11/88) Application of Series T Recommendations
Blue Book – Fascicle II.5 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.351 (11/88) General principles on the presentation of terminal identification to users of the telematic services
Blue Book – Fascicle II.5 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.353 (11/88) Provision of telematic and data transmission services on integrated services digital network (ISDN)
Blue Book – Fascicle II.5 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Message handling services

F.400/X.400 (06/99) Message handling services: Message handling system and service overview
Common text with ISO/IEC
132 CHF

F.401 (08/92) Message handling services: Naming and addressing for public message handling services
19pp E 3077 F 3076 S 3078 15 CHF

F.410 (08/92) Message handling system: The public message transfer service
9pp E 3061 F 3060 S 3062 11 CHF

F.415 (11/88) Message handling system: Intercommunication with public physical delivery services
Erratum in F.410 (08/92)
Blue Book – Fascicle II.6 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.420 (08/92) Message handling system: The public interpersonal messaging service
14pp E 3071 F 3070 S 3072 11 CHF

F.421 (11/88) Intercommunication between the IPM service and the telex service
This Recommendation is also included but not published in F series under alias number F.85.
Covering note, December 1999: Intercommunication between the IPM service and the telex service.
Blue Book – Fascicle II.6 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

F.422 (11/88) Withdrawn (07.96)

Message handling services: Intercommunication between the IPM service and the teletex service

Deleted as a consequence of the suppression of Teletex service

F.423 (08/92) Message handling system: Intercommunication between the interpersonal messaging service and the telefax service
6pp E 3064 F 3063 S 3065 8 CHF

F.435 (06/99) Message handling services: Electronic Data Interchange messaging service
Common text with ISO/IEC
54pp E 17675 F 17676 S 17677 29 CHF

F.440 (08/92) Message handling services: The voice messaging service
32pp E 3080 F 3079 S 3081 20 CHF

F.471 (08/97) Operational requirements for the interconnection of voice-mail store-and-forward units
16pp E 11952 F 11953 S 11954 12 CHF

F.471 (1997) Corrigendum 1 (09/98)

F.472 (08/97) Service and operational requirements of the voice-mail store-and-forward service
16pp E 11926 F 11927 S 11928 12 CHF

Directory services

F.500 (08/92) International public directory services
37pp E 3192 F 3191 S 3193 20 CHF

F.510 (02/03) Automated directory assistance – White pages service definition
54pp E 23964 F 23965 S 23966 29 CHF

F.515 (04/03) Unified Directory specification
68pp E 23532 29 CHF

Document communication*Document communication*

F.551 (03/93) Withdrawn (05.00)
Service Recommendation for the telematic file transfer within telefax 3, telefax 4, teletex services and message handling services
This Recommendation is no longer needed since the characteristics of the file transfer capabilities are fully described in ITU-T T.434 (BFT)
4pp E 3723 F 3722 S 3724 8 CHF

Programming communication interfaces

F.581 (03/93) Guidelines for programming communication interfaces (PCIs) definition: service Recommendation
8pp E 3977 F 3976 S 3978 11 CHF

Data transmission services

F.600 (09/98) Service and operational principles for public data transmission service
12pp E 14601 F 14602 S 14603 12 CHF

Audiovisual services

F.700 (11/00) Framework Recommendation for multimedia services
56pp E 18501 F 18502 S 18503 29 CHF

F.701 (11/00) Guideline Recommendation for identifying multimedia service requirements
12pp E 18733 F 18734 S 18735 12 CHF

F.701 (11/88) Withdrawn (05.98)

Teleconference service

This Recommendation was published as F.710 (11/88), then renumbered as F.701. Its content is superseded by ITU-T F.702 on multimedia

F.702 (07/96) Multimedia conference services
32pp E 9771 F 9772 S 9773 17 CHF

F.703 (11/00) Multimedia conversational services
20pp E 18874 F 18875 S 18876 17 CHF

F.710 (03/91) Withdrawn (05.98)

General principles for audiographic conference service

The content of this Recommendation is superseded by ITU-T F.702 on multimedia

12pp E 1997 F 1996 S 1998 10 CHF

F.711 (08/93) Withdrawn (05.98)

Audiographic conference teleservice for ISDN

The content of this Recommendation is superseded by ITU-T F.731 on multimedia

8pp E 4686 F 4685 S 4687 11 CHF

F.720 (08/92) Videotelephony services – General
9pp E 3133 F 3132 S 3134 11 CHF

F.721 (08/92) Videotelephony teleservice for ISDN
10pp E 3115 F 3114 S 3116 11 CHF

F.723 (07/96) Videophone service in the Public Switched Telephone Network (PSTN)
8pp E 7447 F 7448 S 7449 9 CHF

F.730 (08/92) Withdrawn (05.98)

Videoconference service – General

The content of this Recommendation is superseded by ITU-T F.702 on multimedia

14pp E 3124 F 3123 S 3125 11 CHF

F.731 (07/97) Multimedia Conference Services in the ISDN

12pp E 11815 F 11816 S 11817 12 CHF

F.732 (10/96) Multimedia conference services in the B-ISDN

28pp E 11073 F 11074 S 11075 17 CHF

F.740 (08/93) Audiovisual interactive services

9pp E 4689 F 4688 S 4690 11 CHF

F.761 (11/88) Service-oriented requirements for telewriting applications

Published as F.730 (11/88), then renumbered as F.761.

Blue Book – Fascicle II.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

ISDN services

F.811 (07/96) Broadband connection-oriented bearer service

24pp E 9752 F 9753 S 9754 17 CHF

F.812 (08/92) Broadband connectionless data bearer service

6pp E 3136 F 3135 S 3137 8 CHF

F.813 (02/95) Virtual path service for reserved and permanent communications

13pp E 5998 F 5997 S 5999 11 CHF

Universal personal telecommunication

F.850 (03/93) Principles of universal personal telecommunication (UPT)

2pp E 3681 F 3680 S 3682 8 CHF

F.851 (02/95) Universal Personal Telecommunication (UPT) – Service description (service set 1)

27pp E 6022 F 6021 S 6023 15 CHF

F.852 (03/00) Universal personal telecommunication (UPT) – Service description (service set 2)

44pp E 18624 F 18625 S 18626 22 CHF

F.853 (11/98) Supplementary services in the Universal Personal Telecommunication (UPT) environment

16pp E 14604 F 14605 S 14606 12 CHF

Human factors

F.901 (03/93) Usability evaluation of telecommunication services

5pp E 3735 F 3734 S 3736 8 CHF

F.902 (02/95) Interactive services design guidelines

5pp E 5876 F 5875 S 5877 8 CHF

F.910 (02/95) Procedures for designing, evaluating and selecting symbols, pictograms and icons

7pp E 5970 F 5969 S 5971 11 CHF

Supplements to the Series F Recommendations

Suppl. 1 (11/88) Definitions relating to telegraph, telematic and data transmission services

Blue Book – Fascicle II.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 2 (11/88) Terms and definitions for telex

Blue Book – Fascicle II.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

SERIES G

Transmission systems and media, digital systems and networks

International telephone connections and circuits

General definitions

G.100 (02/01) Definitions used in Recommendations on general characteristics of international telephone connections and circuits

38pp E 21183 F 21184 S 21185 22 CHF

G.100.1 (11/01) The use of the decibel and of relative levels in speechband telecommunications

36pp E 22417 F 22418 S 22419 17 CHF

G.101 (08/96) The transmission plan

40pp E 9926 F 9927 S 9928 22 CHF

G.101 Appendix I (05/00) A computational model for guidance in transmission planning

4pp E 19644 F 19645 S 19646 9 CHF

G.102 (11/88) Transmission performance objectives and Recommendations

Blue Book – Fascicle III.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.103 (12/98) Hypothetical reference connections
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G.105 (11/88) Hypothetical reference connection for crosstalk studies
Blue Book – Fascicle III.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.107 (03/03) The E-Model, a computational model for use in transmission planning
25pp E 24222 F 24223 S 24224 17 CHF

G.108 (09/99) Application of the E-model: A planning guide
Covering note, November 2000: Erratum
140pp E 17913 F 17914 S 17915 55 CHF

G.108.1 (05/00) Guidance for assessing conversational speech transmission quality effects not covered by the E-model
20pp E 19424 F 19425 S 19426 17 CHF

G.108.2 (01/03) Transmission planning aspects of echo cancellers
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G.109 (09/99) Definition of categories of speech transmission quality
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General Recommendations on the transmission quality for an entire international telephone connection

G.111 (03/93) Loudness ratings (LRs) in an international connection
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G.113 (02/01) Transmission impairments due to speech processing
Appendix I in G.113 was revised by 10/2001 version
20pp E 21034 F 21035 S 21036 17 CHF

G.113 Appendix I (05/02) Provisional planning values for the equipment impairment factor I_e and packet-loss robustness factor B_{pl}
10pp E 22649 F 22650 S 22651 9 CHF

G.114 (05/03) One-way transmission time
117pp E 23629 49 CHF

G.115 (02/96) Mean active speech level for announcement and speech synthesis systems
4pp E 7039 F 7040 S 7041 9 CHF

G.116 (09/99) Transmission performance objectives applicable to end-to-end international connections

16pp E 17578 F 17579 S 17580 12 CHF

G.117 (02/96) Transmission aspects of unbalance about earth
20pp E 7288 F 7290 S 7291 17 CHF

General characteristics of national systems forming part of international connections

G.120 (12/98) Transmission characteristics of national networks
16pp E 14677 F 14678 S 14679 12 CHF

G.121 (03/93) Loudness ratings (LRs) of national systems
13pp E 4656 F 4655 S 4657 11 CHF

G.122 (03/93) Influence of national systems on stability and talker echo in international connections
11pp E 4814 F 4813 S 4815 11 CHF

G.123 (11/88) Withdrawn (03.99)
Circuit noise in national networks
The content of this Recommendation is now covered by ITU-T G.120

G.125 (11/88) Withdrawn (03.99)
Characteristics of national circuits on carrier systems
The content of this Recommendation is now covered by ITU-T G.120

G.126 (03/93) Listener echo in telephone networks
7pp E 4659 F 4658 S 4660 11 CHF

General characteristics of the 4-wire chain formed by the international circuits and national extension circuits

G.131 (08/96) Control of talker echo
12pp E 9871 F 9872 S 9873 12 CHF

G.131 Appendix II (09/99) Relation between echo disturbances under single talk and double talk conditions (evaluated for one-way transmission time of 100 ms)
12pp E 17604 F 17605 S 17606 9 CHF

G.132 (11/88) Withdrawn (03.99)
Attenuation distortion
The content of this Recommendation is now covered by ITU-T G.120

G.133 (11/88) Withdrawn (03.99)

Group-delay distortion

*The content of this Recommendation is now covered by ITU-T G.120***G.134 (11/88) Withdrawn (03.99)**

Linear crosstalk

*The content of this Recommendation is now covered by ITU-T G.120***G.135 (11/88) Withdrawn (03.99)**

Error on the reconstituted frequency

*The content of this Recommendation is now covered by ITU-T G.120***G.136 (09/99)** Application rules for automatic level control devices*Covering note, May 2000: Erratum*

8pp E 17347 F 17348 S 17349 9 CHF

*General characteristics of the 4-wire chain of international circuits; international transit***G.141 (11/88) Withdrawn (03.99)**

Attenuation distortion

*The content of this Recommendation is now covered by ITU-T G.120***G.142 (12/98)** Transmission characteristics of exchanges

12pp E 14726 F 14728 S 14730 12 CHF

G.143 (11/88) Withdrawn (09.97)

Circuit noise and the use of compandors

*Deleted because it deals with compandor transmission aspects, which use is no more recommended in networks**General characteristics of international telephone circuits and national extension circuits***G.151 (11/88) Withdrawn (03.99)**

General performance objectives applicable to all modern international circuits and national extension circuits

The content of this Recommendation is now covered by ITU-T G.120

8pp E 7067 F 7067 S 7067 9 CHF

G.152 (11/88) Withdrawn (03.99)

Characteristics appropriate to long-distance circuits of a length not exceeding 2 500 km

The content of this Recommendation is now covered by ITU-T G.120

4pp E 7068 F 7068 S 7068 9 CHF

G.153 (11/88) Withdrawn (03.99)

Characteristics appropriate to international circuits more than 2 500 km in length

The content of this Recommendation is now covered by ITU-T G.120

4pp E 7069 F 7069 S 7069 9 CHF

*Apparatus associated with long-distance telephone circuits***G.161 (06/02)** Interaction aspects of signal processing network equipment

32pp E 22751 F 22752 S 22753 17 CHF

G.161 (10/76) Withdrawn (03.93)

Echo-suppressors suitable for circuits having either short or long propagation times

*Deleted after its content became technically out of date***G.162 (11/88) Withdrawn (02.99)**

Characteristics of compandors for telephony

Deleted because it deals with compandor transmission aspects, which use is no more recommended in networks

12pp E 7070 F 7070 S 7070 12 CHF

G.163 (11/88) Withdrawn (03.93)

Call concentrating systems

*Deleted after its content became technically out of date***G.164 (11/88)** Echo suppressors

Blue Book – Fascicle III.1 (see: List of Books in force)

*Individually through the Electronic Bookshop: 20 CHF***G.165 (03/93)** Echo cancellers

27pp E 4246 F 4245 S 4247 20 CHF

G.166 (11/88) Withdrawn (02.99)

Characteristics of syllabic compandors for telephony on high capacity long distance systems

*Deleted because it deals with compandor transmission aspects, which use is no more recommended in networks***G.167 (03/93)** Acoustic echo controllers

16pp E 4108 F 4107 S 4109 15 CHF

G.168 (06/02) Digital network echo cancellers

108pp E 23300 F 23301 S 23302 44 CHF

G.169 (07/99) Automatic level control devices

32pp E 16467 F 16468 S 16469 17 CHF

Transmission plan aspects of special circuits and connections using the international telephone connection network

G.171 (11/88) Withdrawn (01.00)

Transmission plan aspects of privately operated networks

Deleted because it refers to obsolete Recommendations. For guidance on transmission planning or on private/public network interconnection, refer to ITU-T G.175 and G.108

G.172 (11/88) Transmission plan aspects of international conference calls

Blue Book – Fascicle III.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.173 (03/93) Transmission planning aspects of the speech service in digital public land mobile networks

18pp E 4871 F 4870 S 4872 15 CHF

G.174 (06/94) Transmission performance objectives for terrestrial digital wireless systems using portable terminals to access the PSTN

13pp E 5558 F 5557 S 5559 11 CHF

G.175 (05/00) Transmission planning for private/public network interconnection of voice traffic

20pp E 19394 F 19395 S 19396 17 CHF

G.176 (04/97) Planning guidelines for the integration of ATM technology into networks supporting voiceband services

16pp E 11720 F 11721 S 11722 12 CHF

G.177 (09/99) Transmission planning for voiceband services over hybrid Internet/PSTN connections

20pp E 17489 F 17490 S 17491 17 CHF

Protection and restoration of transmission systems

G.180 (03/93) Characteristics of N + M type direct transmission restoration systems for use on digital and analogue sections, links or equipment

12pp E 4090 F 4089 S 4091 11 CHF

G.181 (03/93) Characteristics of 1 + 1 type restoration systems for use on digital transmission links

3pp E 4005 F 4004 S 4006 8 CHF

Software tools for transmission systems

G.191 STL-2000 Manual (12/00) ITU-T Software Tool Library 2000 User's Manual

Free of charge from the Electronic Bookshop
193pp

G.191 (11/00) Software tools for speech and audio coding standardization

This Recommendation includes 1 CD-ROM containing the software tools library (STL-2000). The STL-2000 Manual is freely available from this Website for information purpose.

16pp E 20702 F 20703 S 20704 62 CHF

G.192 (03/96) A common digital parallel interface for speech standardisation activities

20pp E 6825 F 6826 S 6827 17 CHF

General characteristics common to all analogue carrier-transmission systems

Definitions and general considerations

G.211 (11/88) Make-up of a carrier link

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.212 (11/88) Hypothetical reference circuits for analogue systems

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.213 (11/88) Interconnection of systems in a main repeater station

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.214 (11/88) Line stability of cable systems

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.215 (11/88) Hypothetical reference circuit of 5 000 km for analogue systems

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

General Recommendations

G.221 (11/88) Overall recommendations relating to carrier-transmission systems

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.222 (11/88) Noise objectives for design of carrier-transmission systems of 2 500 km

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.223 (11/88) Assumptions for the calculation of noise on hypothetical reference circuits for telephony
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.224 (11/88) Maximum permissible value for the absolute power level (power referred to one milliwatt) of a signalling pulse
This Recommendation was formerly also included in Q series under number Q.16
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.225 (11/88) Recommendations relating to the accuracy of carrier frequencies
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.226 (11/88) Noise on a real link
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.227 (11/88) Conventional telephone signal
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.228 (11/88) Measurement of circuit noise in cable systems using a uniform-spectrum random noise loading
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.229 (11/88) Unwanted modulation and phase jitter
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Translating equipment used on various carrier-transmission systems

G.230 (11/88) Measuring methods for noise produced by modulating equipment and through-connection filters
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.231 (11/88) Arrangement of carrier equipment
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.232 (11/88) 12-channel terminal equipments
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.233 (11/88) Recommendations concerning translating equipments
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.234 (10/76) Withdrawn (03.93)
8-channel terminal equipments
Deleted after its content became technically out of date

G.235 (11/88) Withdrawn (03.93)
16-channel terminal equipments
Deleted after its content became technically out of date

Utilization of groups, supergroups, etc.

G.241 (11/88) Pilots on groups, supergroups, etc.
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.242 (11/88) Through-connection of groups, supergroups, etc.
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.243 (11/88) Protection of pilots and additional measuring frequencies at points where there is a through-connection
Blue Book – Fascicle III.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Individual characteristics of international carrier telephone systems on metallic lines

G.311 (11/88) Withdrawn (03.93)
General characteristics of systems providing 12 carrier telephone circuits on an open-wire pair
Deleted after its content became technically out of date

G.312 (11/88) Withdrawn (03.93)
Intermediate repeaters for open-wire carrier systems conforming to Recommendation G.311
Deleted after its content became technically out of date

G.313 (11/88) Withdrawn (03.93)
Open-wire lines for use with 12-channel carrier systems
Deleted after its content became technically out of date

G.314 (10/76) Withdrawn (03.93)

General characteristics of systems providing eight carrier telephone circuits on an open-wire pair

Deleted after its content became technically out of date

Carrier telephone systems on unloaded symmetric cable pairs, providing groups or supergroups

G.322 (11/88) General characteristics recommended for systems on symmetric pair cables

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.323 (11/88) Withdrawn (03.93)

A typical transistorized system on symmetric cable pairs

Deleted after its content became technically out of date

G.324 (10/76) Withdrawn (03.93)

General characteristics for valve-type systems on symmetric cable pairs

Deleted after its content became technically out of date

G.325 (11/88) General characteristics recommended for systems providing 12 telephone carrier circuits on a symmetric cable pair [(12 + 12) systems]

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.326 (11/88) Withdrawn (03.93)

Typical systems on symmetric cable pairs [(12 + 12) systems]

Deleted after its content became technically out of date

G.327 (10/76) Withdrawn (03.93)

Valve-type systems offering 12 carrier telephone circuits on a symmetric cable pair [(12 + 12) systems]

Deleted after its content became technically out of date

Carrier systems on 2.6/9.5 mm coaxial cable pairs

G.332 (11/88) 12 MHz systems on standardized 2.6/9.5 mm coaxial cable pairs

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.333 (11/88) 60 MHz systems on standardized 2.6/9.5 mm coaxial cable pairs

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.334 (11/88) 18 MHz systems on standardized 2.6/9.5 mm coaxial cable pairs

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.337 (10/76) Withdrawn (03.93)

General characteristics of systems on 2.6/9.5 mm coaxial cable pairs

Deleted after its content became technically out of date

G.338 (10/76) Withdrawn (03.93)

4 MHz valve-type systems on standardized 2.6/9.5 mm coaxial cable pairs

Deleted after its content became technically out of date

G.339 (10/76) Withdrawn (03.93)

12 MHz valve-type systems on standardized 2.6/9.5 mm coaxial cable pairs

Deleted after its content became technically out of date

Carrier systems on 1.2/4.4 mm coaxial cable pairs

G.341 (11/88) 1.3 MHz systems on standardized 1.2/4.4 mm coaxial cable pairs

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.343 (11/88) 4 MHz systems on standardized 1.2/4.4 mm coaxial cable pairs

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.344 (11/88) 6 MHz systems on standardized 1.2/4.4 mm coaxial cable pairs

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.345 (11/88) 12 MHz systems on standardized 1.2/4.4 mm coaxial cable pairs

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.346 (11/88) 18 MHz systems on standardized 1.2/4.4 mm coaxial cable pairs

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Additional Recommendations on cable systems

G.352 (11/88) Interconnection of coaxial carrier systems of different designs

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.356 (11/80) Withdrawn (03.93)

(120 + 120) channel systems on a single coaxial pair

Deleted after its content became technically out of date

G.361 (11/88) Withdrawn (03.93)

Systems providing three carrier telephone circuits on a pair of open-wire lines

Deleted after its content became technically out of date

G.371 (11/88) Withdrawn (03.93)

FDM carrier systems for submarine cable

Deleted after its content became technically out of date

General characteristics of international carrier telephone systems on radio-relay or satellite links and interconnection with metallic lines

General Recommendations

G.411 (11/88) Use of radio-relay systems for international telephone circuits

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.412 (11/88) Withdrawn (03.93)

Terminal equipments of radio-relay systems forming part of a general telecommunication network

Deleted after its content became technically out of date

Interconnection of radio-relay links with carrier systems on metallic lines

G.421 (11/88) Methods of interconnection

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.422 (11/88) Interconnection at audio-frequencies

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.423 (11/88) Interconnection at the baseband frequencies of frequency-division multiplex radio-relay systems

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Hypothetical reference circuits

G.431 (11/88) Hypothetical reference circuits for frequency-division multiplex radio-relay systems

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.433 (06/64) Withdrawn (03.93)

Hypothetical reference circuit for trans-horizon radio-relay systems for telephony using frequency-division multiplex

Deleted after its content became technically out of date

G.434 (06/64) Withdrawn (03.93)

Hypothetical reference circuit for systems using analogue transmission in the fixed-satellite service

Deleted after its content became technically out of date

Circuit noise

G.441 (11/88) Permissible circuit noise on frequency-division multiplex radio-relay systems

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.442 (11/88) Radio-relay system design objectives for noise at the far end of a hypothetical reference circuit with reference to telegraphy transmission

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.444 (06/64) Withdrawn (03.93)

Allowable noise power in the hypothetical reference circuit of trans-horizon radio-relay systems for telephony using frequency-division multiplex

Deleted after its content became technically out of date

G.445 (06/64) Withdrawn (03.93)

Allowable noise power in the hypothetical reference circuit for frequency-division multiplex telephony in the fixed-satellite service

Deleted after its content became technically out of date

Coordination of radiotelephony and line telephony

Radiotelephone circuits

G.451 (11/88) Use of radio links in international telephone circuits

Blue Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.453 (11/88) Withdrawn (03.93)

Improved transmission system for HF radio-telephone circuits

Deleted after its content became technically out of date

G.464 (11/88) Withdrawn (03.93)

Principles of the devices used to achieve privacy in radiotelephone conversations

Deleted after its content became technically out of date

Links with mobile stations

G.473 (11/88) Withdrawn (09.97)

Interconnection of a maritime mobile satellite system with the international automatic switched telephone service; transmission aspects

Withdrawn because it provided transmission planning information that was obsolete and no longer used

Testing equipments

G.511 (02/98) Test methodology for Group 3 facsimile processing equipment in the Public Switched Telephone Network

This Recommendation was renumbered as ITU-T Rec. T.5 on 2002-02-15 without further modification

40pp E 13076 F 13077 S 13078 22 CHF

G.541 (10/76) Withdrawn (03.93)

Specification of factory lengths of loaded telecommunication cable

Deleted after its content became technically out of date

G.542 (10/76) Withdrawn (03.93)

Specification of loading coils for loaded telecommunication cables

Deleted after its content became technically out of date

G.543 (10/76) Withdrawn (03.93)

Specification for repeater sections of loaded telecommunication cable

Deleted after its content became technically out of date

G.544 (10/76) Withdrawn (03.93)

Specifications for terminal equipment and intermediate repeater stations

Deleted after its content became technically out of date

Transmission media characteristics

General

G.601 (11/88) Terminology for cables

Blue Book – Fascicle III.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.602 (11/88) Reliability and availability of analogue cable transmission systems and associated equipments

Blue Book – Fascicle III.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Symmetric cable pairs

G.611 (11/88) Characteristics of symmetric cable pairs for analogue transmission

Blue Book – Fascicle III.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.612 (11/88) Characteristics of symmetric cable pairs designed for the transmission of systems with bit rates of the order of 6 to 34 Mbit/s

Blue Book – Fascicle III.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.613 (11/88) Characteristics of symmetric cable pairs usable wholly for the transmission of digital systems with a bit rate of up to 2 Mbit/s

Blue Book – Fascicle III.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.614 (11/88) Characteristics of symmetric pair star-quad cables designed earlier for analogue transmission systems and being used now for digital system transmission at bit rates of 6 to 34 Mbit/s

Blue Book – Fascicle III.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Land coaxial cable pairs

G.621 (11/88) Characteristics of 0.7/2.9 mm coaxial cable pairs

Blue Book – Fascicle III.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.622 (11/88) Characteristics of 1.2/4.4 mm coaxial cable pairs
Blue Book – Fascicle III.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.623 (11/88) Characteristics of 2.6/9.5 mm coaxial cable pairs
Blue Book – Fascicle III.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Submarine cables

G.631 (11/88) Types of submarine cable to be used for systems with line frequencies of less than about 45 MHz
Blue Book – Fascicle III.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.641 (11/88) Withdrawn (03.93)
Waveguide diameters
Deleted after its content became technically out of date

Optical fibre cables

G.650.1 (06/02) Definitions and test methods for linear, deterministic attributes of single-mode fibre and cable
Results from the subdivision of ITU-T Rec. G.650 (2000-10)
68pp E 22714 F 22715 S 22716 29 CHF

G.650.1 (2002) Amendment 1 (03/03)
11pp E 23877 F 23878 S 23879 9 CHF

G.650.2 (06/02) Definitions and test methods for statistical and non-linear attributes of single-mode fibre and cable
Results from the subdivision of ITU-T Rec. G.650 (2000-10)
56pp E 22691 F 22692 S 22693 29 CHF

G.650.2 (2002) Amendment 1 (03/03)
10pp E 23957 F 23958 S 23959 9 CHF

G.651 (02/98) Characteristics of a 50/125 μm multimode graded index optical fibre cable
36pp E 13535 F 13536 S 13537 22 CHF

G.652 (03/03) Characteristics of a single-mode optical fibre and cable
20pp E 23916 F 23917 S 23918 12 CHF

G.653 (10/00) Characteristics of a dispersion-shifted single-mode optical fibre cable
20pp E 19857 F 19858 S 19859 12 CHF

G.654 (06/02) Characteristics of cut-off shifted single-mode optical fibre and cable
24pp E 22694 F 22695 S 22696 17 CHF

G.655 (03/03) Characteristics of a non-zero dispersion-shifted single-mode optical fibre and cable
19pp E 24155 F 24156 S 24157 12 CHF

Characteristics of optical components and subsystems

G.661 (10/98) Definition and test methods for the relevant generic parameters of optical amplifier devices and subsystems
16pp E 14732 F 14733 S 14734 12 CHF

G.662 (10/98) Generic characteristics of optical amplifier devices and subsystems
16pp E 14629 F 14630 S 14631 12 CHF

G.663 (04/00) Application related aspects of optical amplifier devices and subsystems
40pp E 19770 F 19771 S 19772 22 CHF

G.663 (2000) Amendment 1 (01/03) Amendments to Appendix II
10pp E 23499 F 23500 S 23501 9 CHF

G.664 (03/03) Optical safety procedures and requirements for optical transport systems
25pp E 24177 F 24178 S 24179 17 CHF

G.671 (06/02) Transmission characteristics of optical components and subsystems
50pp E 22587 F 22588 S 22589 22 CHF

G.691 (10/00) Optical interfaces for single-channel STM-64, STM-256 and other SDH systems with optical amplifiers
53pp E 20187 F 20188 S 20189 22 CHF

G.692 (10/98) Optical interfaces for multichannel systems with optical amplifiers
Covering note, 07.01.2000: Corrigendum 1
40pp E 14418 F 14419 S 14420 22 CHF

G.692 (1998) Corrigendum 1 (01/00)

G.692 (1998) Corrigendum 2 (06/02)

G.693 (11/01) Optical interfaces for intra-office systems
24pp E 21878 F 21879 S 21880 17 CHF

G.694.1 (06/02) Spectral grids for WDM applications: DWDM frequency grid
14pp E 22348 F 22349 S 22350 12 CHF

G.694.2 (06/02) Spectral grids for WDM applications: CWDM wavelength grid
12pp E 22398 F 22399 S 22400 9 CHF

Digital terminal equipments

General

G.700 (11/88) Withdrawn (03.93)
Framework of the series G.700, G.800 and G.900 Recommendations

Deleted after its content became technically out of date

G.701 (03/93) Vocabulary of digital transmission and multiplexing, and pulse code modulation (PCM) terms
37pp E 4350 F 4349 S 4351 20 CHF

G.702 (11/88) Digital hierarchy bit rates
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.703 (11/01) Physical/electrical characteristics of hierarchical digital interfaces
62pp E 22057 F 22058 S 22059 29 CHF

G.704 (10/98) Synchronous frame structures used at 1544, 6312, 2048, 8448 and 44 736 kbit/s hierarchical levels
44pp E 15440 F 15441 S 15442 22 CHF

G.705 (10/00) Characteristics of plesiochronous digital hierarchy (PDH) equipment functional blocks
204pp E 20964 F 20965 S 20966 73 CHF

G.705 (11/88) Withdrawn (10.96)
Characteristics required to terminate digital links on a digital exchange

The content of this Recommendation is now covered by ITU-T Q.500 series, and more specifically Q.554

G.706 (04/91) Frame alignment and cyclic redundancy check (CRC) procedures relating to basic frame structures defined in Recommendation G.704
16pp E 2101 F 2100 S 2102 13 CHF

G.707/Y.1322 (10/00) Network node interface for the synchronous digital hierarchy (SDH)
180pp E 20454 F 20455 S 20456 73 CHF

G.707 (2000) Corrigendum 1 (03/01)

G.707/Y.1322 (2000) Corrigendum 2 (11/01)

G.707/Y.1322 (2000) Amendment 1 (11/01) Amendment 1
16pp E 21761 F 21762 S 21763 12 CHF

G.707/Y.1322 (2000) Amendment 2 (08/02) Amendment 2
16pp E 22717 F 22718 S 22719 12 CHF

G.707/Y.1322 (2000) Corrigendum 3 (03/03)

G.707/Y.1322 (2000) Amendment 3 (04/03)
12pp E 24225 F 24226 S 24227 9 CHF

G.708 (07/99) Sub STM-0 network node interface for the synchronous digital hierarchy (SDH)
20pp E 16300 F 16301 S 16302 17 CHF

G.708 (03/93) Withdrawn (03.96)
Network node interface for the synchronous digital hierarchy
Merged with ITU-T G.707 in 1993

G.709/Y.1331 (03/03) Interfaces for the Optical Transport Network (OTN)
120pp E 23506 49 CHF

G.709 (03/93) Withdrawn (03.96)
Synchronous multiplexing structure
Merged with ITU-T G.707 in 1993

Coding of analogue signals by pulse code modulation

G.711 (11/88) Pulse code modulation (PCM) of voice frequencies
Corresponding ANSI-C code is available in the G.711 module of the ITU-T G.191 Software Tools Library.
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.711 Appendix I (09/99) A high quality low-complexity algorithm for packet loss concealment with G.711
24pp E 17350 F 17351 S 17352 17 CHF

G.711 Appendix II (02/00) A comfort noise payload definition for ITU-T G.711 use in packet-based multimedia communication systems
16pp E 18278 F 18279 S 18280 12 CHF

G.712 (11/01) Transmission performance characteristics of pulse code modulation channels
40pp E 22088 F 22089 S 22090 22 CHF

G.713 (11/88) Withdrawn (03.93)

Performance characteristics of PCM channels between 2-wire interfaces at voice frequencies

The content of this Recommendation is now covered by ITU-T G.712

G.714 (11/88) Withdrawn (03.93)

Separate performance characteristics for the encoding and decoding sides of PCM channels applicable to 4-wire voice-frequency interfaces

The content of this Recommendation is now covered by ITU-T G.712

G.715 (11/88) Withdrawn (03.93)

Separate performance characteristics for the encoding and decoding side of PCM channels applicable to 2-wire interfaces

The content of this Recommendation is now covered by ITU-T G.712

Coding of analogue signals by methods other than PCM

G.720 (07/95) Characterization of low-rate digital voice coder performance with non-voice signals

15pp E 6187 F 6186 S 6188 15 CHF

G.721 (11/88) Withdrawn (09.03)

32 kbit/s adaptive differential pulse code modulation (ADPCM)

The content of this Recommendation is now covered by ITU-T G.726

Blue Book – Fascicle III.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.722 (11/88) 7 kHz audio-coding within 64 kbit/s

Corresponding ANSI-C code is available in the G722 module of the ITU-T G.191 Software Tools Library

Blue Book – Fascicle III.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.722 Annex A (03/93) Testing signal-to-total distortion ratio for 7 kHz audio-coders at 64 kbit/s Recommendation G.722 connected back-to-back

3pp E 4117 F 4116 S 4118 8 CHF

G.722 Appendix II (03/87) Digital test sequences for the verification of the G.722 64 kbit/s SB-ADPCM 7 kHz codec

This document corresponds to ITU-T Rec. G.722 Appendix II which was published in the Blue Book (1988). It includes one diskette containing the digital test sequences for the verification of the G.722 SB-ADPCM codec.

16pp E 10036 F 10037 S 10038 52 CHF

G.722.1 (09/99) Coding at 24 and 32 kbit/s for hands-free operation in systems with low frame loss

This Recommendation includes an electronic attachment containing the reference code (release 1.2) and the test vectors for ITU-T G.722.1 algorithm implementation verification. This release includes the corrections indicated in corrigendum 1 (11/2000)

1pp E 17335 F 17336 S 17337 142 CHF

G.722.1 (1999) Corrigendum 1 (11/00)

G.722.1 Annex A (02/00) Packet format, capability identifiers and capability parameters

8pp E 18030 F 18031 S 18032 9 CHF

G.722.1 Annex B (11/00) Floating-point implementation for G.722.1

This annex includes an electronic attachment containing the reference code and the test vectors for ITU-T G.722.1/Annex B floating-point algorithm implementation verification

8pp E 22251 F 22252 S 22253 59 CHF

G.722.2 (07/03) Wideband coding of speech at around 16 kbit/s using Adaptive Multi-Rate Wideband (AMR-WB)

G.722.2 Annex A (01/02) Comfort noise aspects

18pp E 22293 F 22294 S 22295 12 CHF

G.722.2 Annex B (01/02) Source Controlled Rate operation

16pp E 22230 F 22231 S 22232 12 CHF

G.722.2 Annex B Corrigendum 1 (07/03)

Published as a covering note

G.722.2 Annex C (07/03) Fixed-point C-code

This Annex includes an electronic attachment containing version 5.7.0 of the fixed-point C-code for the G.722.2 adaptive multi-rate wideband (AMR-WB) speech transcoder

G.722.2 Annex D (07/03) Digital test sequences

G.722.2 Annex E (01/02) Frame structure

28pp E 22236 F 22237 S 22238 17 CHF

G.722.2 Annex E Corrigendum 1 (07/03)

G.722.2 Annex F (11/02) AMR-WB usage in H.245

11pp E 23273 F 23274 S 23275 9 CHF

G.722.2 Appendix I (07/03) Error concealment of erroneous or lost frames

G.723 Speech coders

G.723 (11/88) Withdrawn (03.93)

Extensions of Recommendation G.721 adaptive differential pulse code modulation to 24 and 40 kbit/s for digital circuit multiplication equipment application

The content of 1988 edition of ITU-T G.723 is now covered by ITU-T G.726

G.723.1 (03/96) Speech coders: Dual rate speech coder for multimedia communications transmitting at 5.3 and 6.3 kbit/s

Test vectors, test sequences and C Reference code described in this Recommendation are common to Recommendation main body and to Annex A, and may be found on 3 diskettes included with G.723.1 Annex A.

32pp E 6839 F 6840 S 6841 17 CHF

G.723.1 Annex A (11/96) Speech coders: Silence compression scheme

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.

20pp E 10039 F 10040 S 10041 104 CHF

G.723.1 Annex B (11/96) Speech coders: Alternative specification based on floating point arithmetic

This Annex includes one 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.

8pp E 10042 F 10043 S 10044 134 CHF

G.723.1 Annex C (11/96) Speech coders: Scalable channel coding scheme for wireless applications

This Annex includes one diskette containing the reference code and the test vectors for implementation verification of the scalable channel coding scheme.

24pp E 10045 F 10046 S 10047 57 CHF

G.724 (11/88) Characteristics of a 48-channel low bit rate encoding primary multiplex operating at 1544 kbit/s

Blue Book – Fascicle III.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.725 (11/88) System aspects for the use of the 7 kHz audio codec within 64 kbit/s

Blue Book – Fascicle III.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.726 (12/90) 40, 32, 24, 16 kbit/s adaptive differential pulse code modulation (ADPCM)

Corresponding ANSI-C code is available in the G.726 module of the ITU-T G.191 Software Tools Library

57pp E 1951 F 1950 S 1952 21 CHF

G.726 Annex A (11/94) Extensions of Recommendation G.726 for use with uniform-quantized input and output

5pp E 5879 F 5878 S 5880 8 CHF

G.726 Annex B (07/03) Packet format, capability identifier, and capability parameters for H.245 Signalling

5pp E 23938 9 CHF

G.726 Appendix II (03/91) Digital test sequences for the verification of the G.726 40, 32, 24 and 16 kbit/s ADPCM algorithm

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).

16pp E 10195 F 10196 S 10197 67 CHF

G.726 Appendix III (05/94) Comparison of ADPCM algorithms

This Appendix is published with the double number G.726 App. III and G.727 App. II

41pp E 5660 F 5658 S 5662 20 CHF

G.727 (12/90) 5-, 4-, 3- and 2-bit/sample embedded adaptive differential pulse code modulation (ADPCM)

Corresponding ANSI-C code is available in the G.727 module of the ITU-T G.191 Software Tools Library

55pp E 1975 F 1974 S 1976 21 CHF

G.727 Annex A (11/94) Extensions of Recommendation G.727 for use with uniform-quantized input and output

5pp E 5882 F 5881 S 5883 8 CHF

G.727 Appendix I (03/91) Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's

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).

18pp E 10198 F 10199 S 10200 115 CHF

G.727 Appendix II (05/94) Comparison of ADPCM algorithms

This Appendix is published with the double number G.726 App. III and G.727 App. II

41pp E 5660 F 5658 S 5662 20 CHF

G.728 (09/92) Coding of speech at 16 kbit/s using low-delay code excited linear prediction

63pp E 2991 F 2984 S 2998 24 CHF

G.728 Annex G (11/94) 16 kbit/s fixed point specification

64pp E 6087 F 6086 S 6088 30 CHF

G.728 Annex G (1994) Corrigendum 1 (02/00)

G.728 Annex H (05/99) Variable bit rate LD-CELP operation mainly for DCME at rates less than 16 kbit/s

This Annex includes 1 CD-ROM containing the test data for verification of G.728 Annex H low bit rate LD-CELP implementations.

16pp E 17226 F 17227 S 17228 12 CHF

G.728 Annex I (05/99) Frame or packet loss concealment for the LD-CELP decoder

24pp E 16868 F 16869 S 16870 17 CHF

G.728 Annex J (09/99) Variable bit-rate operation of LD-CELP mainly for voiceband-data applications in DCME

This Annex includes 1 CD-ROM containing the test vectors for verification of G.728 Annex J variable bit-rate LD-CELP implementations.

38pp E 17560 F 17561 S 17562 147 CHF

G.728 Appendix I (07/95) Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's

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).

12pp E 10201 F 10202 S 10203 85 CHF

G.728 Appendix II (11/95) Speech performance

8pp E 6766 F 6767 S 6768 9 CHF

G.729 (03/96) Coding of speech at 8 kbit/s using conjugate-structure algebraic-code-excited linear-prediction (CS-ACELP)

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.

40pp E 10204 F 10205 S 10206 92 CHF

G.729 Annex A (11/96) Reduced complexity 8 kbit/s CS-ACELP speech codec

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.

12pp E 10207 F 10208 S 10209 82 CHF

G.729 Annex B (10/96) A silence compression scheme for G.729 optimized for terminals conforming to Recommendation V.70

This Annex includes 1 electronic attachment containing source code and test sequences for implementation verification of the algorithm of the G.729 Silence compression scheme version 1.4, which reflects modifications given in Corrigendum 2 (02/2000).

20pp E 13373 F 13375 S 13376 57 CHF

G.729 Annex B (1996) Corrigendum 1 (02/98)

This corrigendum was not published and concerns only the software; the resulting version 1.3 had been included in the published ITU-T Recommendation G.729 Annex B (10/1996)

G.729 Annex B (1996) Corrigendum 2 (02/00)

This corrigendum concerns only the software; the resulting version 1.4 is included in the published ITU-T Recommendation G.729 Annex B (10/1996)

G.729 Annex B (1996) Corrigendum 3 (03/01)

G.729 Annex C (09/98) Reference floating-point implementation for G.729 CS-ACELP 8 kbit/s speech coding

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.

Diskette + Annex.

E 14244 F 14245 S 14246 49 CHF

G.729 Annex C+ (02/00) Reference floating-point implementation for integrating G.729 CS-ACELP speech coding main body with Annexes B, D and E

This annex includes an electronic attachment containing version 2.1 of reference C code for floating point implementation of CS-ACELP at 6.4/8/11.8 kbit/s with DTX functionality.

16pp E 17771 F 17772 S 17773 137 CHF

G.729 Annex C+ (2000) Corrigendum 1 (03/01)

G.729 Annex D (09/98) 6.4 kbit/s CS-ACELP speech coding algorithm

This Annex includes one electronic attachment containing version 1.3 of source C code for fixed point implementation of the G.729 6.4 kbit/s CS-ACELP speech coder, which reflects modifications given in Corrigendum 1 (02/2000).

14pp E 14247 F 14248 S 14249 52 CHF

G.729 Annex D (1998) Corrigendum 1 (02/00)

This corrigendum concerns only the software; the resulting version 1.3 is included in the published ITU-T Recommendation G.729 Annex D (09/1998)

G.729 Annex E (09/98) 11.8 kbit/s CS-ACELP speech coding algorithm

This Annex includes one electronic attachment containing version 1.3 of source C code and test vectors for fixed point implementation of the G.729 11.8 kbit/s CS-ACELP speech coder, which reflects modifications given in Corrigendum 1 (02/2000).

28pp E 14448 F 14449 S 14450 57 CHF

G.729 Annex E (1998) Corrigendum 1 (02/00)

This corrigendum concerns only the software; the resulting version 1.3 is included in the published ITU-T Recommendation G.729 Annex E (09/1998)

G.729 Annex F (02/00) Reference implementation of G.729 Annex B DTX functionality for Annex D

This annex includes an electronic attachment containing version 1.1 of reference C code and test vectors for fixed point implementation of CS-ACELP at 6.4 kbit/s 8 kbit/s with DTX functionality.

8pp E 17831 F 17832 S 17833 134 CHF

G.729 Annex F (2000) Corrigendum 1 (03/01)

G.729 Annex G (02/00) Reference implementation of G.729 Annex B DTX functionality for Annex E

This annex includes an electronic attachment containing version 1.1 of reference C code and test vectors for fixed point implementation of CS-ACELP at 8 kbit/s and 11.8 kbit/s with DTX functionality.

16pp E 17949 F 17950 S 17951 137 CHF

G.729 Annex G (2000) Corrigendum 1 (03/01)

G.729 Annex H (02/00) Reference implementation of switching procedure between G.729 Annexes D and E

This annex includes an electronic attachment containing version 1.1 of reference C code and test vectors for fixed point implementation of CS-ACELP at 6.4 kbit/s 8 kbit/s and 11.8 kbit/s without DTX functionality.

8pp E 17838 F 17839 S 17840 134 CHF

G.729 Annex I (02/00) Reference fixed-point implementation for integrating G.729 CS-ACELP speech coding main body with Annexes B, D and E

This annex includes an electronic attachment containing version 1.1 of reference C code and test vectors for fixed point implementation of CS-ACELP at 6.4 kbit/s 8 kbit/s and 11.8 kb/s with DTX functionality.

16pp E 17828 F 17829 S 17830 137 CHF

G.729 Annex I (2000) Corrigendum 1 (03/01)

G.729 Appendix I (06/01) Appendix I: External synchronous reset performance for G.729 codecs in systems using external VAD/DTX/CNG

10pp E 21746 F 21747 S 21748 9 CHF

Principal characteristics of primary multiplex equipment

G.731 (11/88) Primary PCM multiplex equipment for voice frequencies

Blue Book – Fascicle III.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.732 (11/88) Characteristics of primary PCM multiplex equipment operating at 2048 kbit/s

Blue Book – Fascicle III.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.733 (11/88) Characteristics of primary PCM multiplex equipment operating at 1544 kbit/s
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.734 (11/88) Characteristics of synchronous digital multiplex equipment operating at 1544 kbit/s
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.735 (11/88) Characteristics of primary PCM multiplex equipment operating at 2048 kbit/s and offering synchronous digital access at 384 kbit/s and/or 64 kbit/s
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.736 (03/93) Characteristics of a synchronous digital multiplex equipment operating at 2048 kbit/s
6pp E 4293 F 4292 S 4294 8 CHF

G.737 (11/88) Characteristics of an external access equipment operating at 2048 kbit/s offering synchronous digital access at 384 kbit/s and/or 64 kbit/s
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.738 (11/88) Characteristics of primary PCM multiplex equipment operating at 2048 kbit/s and offering synchronous digital access at 320 kbit/s and/or 64 kbit/s
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.739 (11/88) Characteristics of an external access equipment operating at 2048 kbit/s offering synchronous digital access at 320 kbit/s and/or 64 kbit/s
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Principal characteristics of second order multiplex equipment

G.741 (11/88) General considerations on second order multiplex equipments
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.742 (11/88) Second order digital multiplex equipment operating at 8448 kbit/s and using positive justification
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.743 (11/88) Second order digital multiplex equipment operating at 6312 kbit/s and using positive justification
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.744 (11/88) Second order PCM multiplex equipment operating at 8448 kbit/s
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.745 (11/88) Second order digital multiplex equipment operating at 8448 kbit/s and using positive/zero/negative justification
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.746 (11/88) Characteristics of second order PCM multiplex equipment operating at 6312 kbit/s
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.747 (11/88) Second order digital multiplex equipment operating at 6312 kbit/s and multiplexing three tributaries at 2048 kbit/s
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Principal characteristics of higher order multiplex equipment

G.751 (11/88) Digital multiplex equipments operating at the third order bit rate of 34 368 kbit/s and the fourth order bit rate of 139 264 kbit/s and using positive justification
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.752 (11/88) Characteristics of digital multiplex equipments based on a second order bit rate of 6312 kbit/s and using positive justification
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.753 (11/88) Third order digital multiplex equipment operating at 34 368 kbit/s and using positive/zero/negative justification
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.754 (11/88) Fourth order digital multiplex equipment operating at 139 264 kbit/s and using positive/zero/negative justification
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.755 (11/88) Digital multiplex equipment operating at 139 264 kbit/s and multiplexing three tributaries at 44 736 kbit/s
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Principal characteristics of transcoder and digital multiplication equipment

G.761 (11/88) General characteristics of a 60-channel transcoder equipment
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.762 (11/88) General characteristics of a 48-channel transcoder equipment
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.763 (10/98) Digital circuit multiplication equipment using G.726 ADPCM and digital speech interpolation
This Recommendation includes 2 diskettes. The first one contains A-Law and m-Law test vectors for DCME verification. The second one contains example transmit/receive SDLs.
Covering note, May 2000: Erratum
176pp E 16891 F 16892 S 16893 128 CHF

G.763 Appendix I (10/98) Additional requirements
This Appendix includes one diskette containing information on the additional requirements.

G.764 (12/90) Voice packetization – Packetized voice protocols
21pp E 1984 F 1983 S 1985 13 CHF

G.764 Appendix I (11/95) Packetization guide
20pp E 6805 F 6806 S 6807 17 CHF

G.765 (09/92) Packet circuit multiplication equipment
111pp E 3195 F 3194 S 3196 38 CHF

G.765 Appendix I (11/95) A guide to PCME
36pp E 6901 F 6902 S 6903 22 CHF

G.766 (11/96) Facsimile demodulation/remodulation for digital circuit multiplication equipment
108pp E 10821 F 10822 S 10823 44 CHF

G.767 (10/98) Digital circuit multiplication equipment using 16 kbit/s LD-CELP, digital speech interpolation and facsimile demodulation/remodulation
32pp E 14434 F 14435 S 14436 17 CHF

G.768 (03/01) Digital circuit multiplication equipment using 8 kbit/s CS-ACELP
34pp E 20820 F 20822 S 20823 17 CHF

G.769/Y.1242 (08/02) Circuit Multiplication Equipment optimized for IP-based networks
32pp E 23167 F 23168 S 23169 17 CHF

Operations, administration and maintenance features of transmission equipment

G.771 (11/88) Withdrawn (03.93)
Q-interfaces and associated protocols for transmission equipment in the TMN
Deleted after its content became technically out of date

G.772 (03/93) Protected monitoring points provided on digital transmission systems
5pp E 4111 F 4110 S 4112 8 CHF

G.773 (03/93) Protocol suites for Q-interfaces for management of transmission systems
17pp E 4153 F 4152 S 4154 15 CHF

G.774 (02/01) Synchronous digital hierarchy (SDH) – Management information model for the network element view
108pp E 21119 F 21120 S 21121 44 CHF

G.774.1 (02/01) Synchronous digital hierarchy (SDH) – Bidirectional performance monitoring for the network element view
40pp E 20838 F 20839 S 20840 22 CHF

G.774.2 (02/01) Synchronous digital hierarchy (SDH) – Configuration of the payload structure for the network element view
62pp E 21064 F 21065 S 21066 29 CHF

G.774.3 (02/01) Synchronous digital hierarchy (SDH) management of multiplex-section protection for the network element view
74pp E 21540 F 21541 S 21542 34 CHF

G.774.4 (02/01) Synchronous digital hierarchy (SDH) – Management of the subnetwork connection protection for the network element view

56pp E 21639 F 21640 S 21641 29 CHF

G.774.5 (02/01) Synchronous digital hierarchy (SDH) management of connection supervision functionality (HCS/LCS) for the network element view

24pp E 20841 F 20842 S 20843 17 CHF

G.774.6 (02/01) Synchronous Digital Hierarchy (SDH) – Unidirectional performance monitoring for the network element view

48pp E 20882 F 20883 S 20884 22 CHF

G.774.7 (02/01) Synchronous digital hierarchy (SDH) – Management of lower order path trace and interface labelling for the network element view

18pp E 20844 F 20845 S 20846 12 CHF

G.774.8 (02/01) Synchronous digital hierarchy (SDH) – Management of radio-relay systems for the network element view

40pp E 20853 F 20854 S 20855 22 CHF

G.774.9 (02/01) Synchronous digital hierarchy (SDH) – Configuration of linear multiplex-section protection for the network element view

20pp E 20850 F 20851 S 20852 17 CHF

G.774.10 (02/01) Synchronous Digital Hierarchy (SDH) Multiplex Section (MS) shared protection ring management for the network element view

42pp E 20946 F 20947 S 20948 22 CHF

G.775 (10/98) Loss of Signal (LOS), Alarm Indication Signal (AIS) and Remote Defect Indication (RDI) defect detection and clearance criteria for PDH signals

12pp E 14317 F 14318 S 14319 12 CHF

G.776.1 (10/98) Managed objects for signal processing network elements

This Recommendation includes one diskette containing the information model of Signal Processing Network Elements (SPNE).

12pp E 14495 F 14496 S 14497 49 CHF

G.776.3 (04/00) ADPCM DCME configuration map report

28pp E 18595 F 18596 S 18597 17 CHF

Principal characteristics of multiplexing equipment for the synchronous digital hierarchy

G.780 (07/99) Vocabulary of terms for synchronous digital hierarchy (SDH) networks and equipment

32pp E 16506 F 16507 S 16508 17 CHF

G.781 (07/99) Synchronization layer functions

124pp E 16613 F 16614 S 16615 49 CHF

G.781 (01/94) Withdrawn (04.97)

Structure of Recommendations on equipment for the synchronous digital hierarchy (SDH)

Merged with ITU-T G.783 in 1997

G.782 (01/94) Withdrawn (04.97)

Types and general characteristics of synchronous digital hierarchy (SDH) equipment

Merged with ITU-T G.783 in 1997

G.783 (10/00) Characteristics of synchronous digital hierarchy (SDH) equipment functional blocks

274pp E 20440 F 20441 S 20442 96 CHF

G.783 (2000) Corrigendum 1 (03/01)

G.783 (2000) Amendment 1 (06/02) Amendment 1

20pp E 23064 F 23065 S 23066 12 CHF

G.783 (2000) Corrigendum 2 (03/03)

G.784 (07/99) Synchronous digital hierarchy (SDH) management

56pp E 16534 F 16535 S 16536 29 CHF

G.785 (11/96) Characteristics of a flexible multiplexer in a synchronous digital hierarchy environment

24pp E 11681 F 11682 S 11683 17 CHF

Other terminal equipment

G.791 (11/88) General considerations on transmultiplexing equipments

Blue Book – Fascicle III.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.792 (11/88) Characteristics common to all transmultiplexing equipments

Blue Book – Fascicle III.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.793 (11/88) Characteristics of 60-channel transmultiplexing equipments

Blue Book – Fascicle III.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.794 (11/88) Characteristics of 24-channel transmultiplexing equipments
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.795 (11/88) Characteristics of codecs for FDM assemblies
Blue Book – Fascicle III.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.796 (09/92) Characteristics of a 64 kbit/s cross-connect equipment with 2048 kbit/s access ports
10pp E 2992 F 2985 S 2999 11 CHF

G.796 (2000) Corrigendum 1 (10/98)

G.797 (03/96) Characteristics of a flexible multiplexer in a plesiochronous digital hierarchy environment
48pp E 7302 F 7303 S 7304 22 CHF

G.798 (01/02) Characteristics of optical transport network hierarchy equipment functional blocks
244pp E 22889 F 22890 S 22891 96 CHF

G.798 (2002) Amendment 1 (06/02)
22pp E 22688 F 22689 S 22690 17 CHF

Digital networks

General aspects

G.801 (11/88) Digital transmission models
Blue Book – Fascicle III.5 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.802 (11/88) Interworking between networks based on different digital hierarchies and speech encoding laws
Blue Book – Fascicle III.5 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.803 (03/00) Architecture of transport networks based on the synchronous digital hierarchy (SDH)
56pp E 19599 F 19600 S 19601 29 CHF

G.804 (02/98) ATM cell mapping into Plesiochronous Digital Hierarchy (PDH)
20pp E 13308 F 13309 S 13310 17 CHF

G.805 (03/00) Generic functional architecture of transport networks
58pp E 20094 F 20095 S 20096 29 CHF

G.806 (10/00) Characteristics of Transport Equipment – Description Methodology and Generic Functionality
76pp E 20199 F 20200 S 20201 34 CHF

G.806 (2000) Amendment 1 (03/03)
10pp E 23764 F 23765 S 23766 9 CHF

G.807/Y.1302 (07/01) Requirements for automatic switched transport networks (ASTN)
22pp E 20720 F 20721 S 20722 17 CHF

G.809 (03/03) Functional architecture of connectionless layer networks
29pp E 24228 F 24229 S 24230 17 CHF

Design objectives for digital networks

G.810 (08/96) Definitions and terminology for synchronization networks
24pp E 9794 F 9795 S 9796 17 CHF

G.810 (1996) Corrigendum 1 (11/01)

G.811 (09/97) Timing characteristics of primary reference clocks
8pp E 12242 F 12243 S 12244 9 CHF

G.812 (06/98) Timing requirements of slave clocks suitable for use as node clocks in synchronization networks
40pp E 13565 F 13566 S 13567 22 CHF

G.813 (03/03) Timing characteristics of SDH equipment slave clocks (SEC)
34pp E 24044 F 24045 S 24046 17 CHF

Quality and availability targets

G.821 (12/02) Error performance of an international digital connection operating at a bit rate below the primary rate and forming part of an Integrated Services Digital Network
17pp E 23355 F 23356 S 23357 12 CHF

G.822 (11/88) Controlled slip rate objectives on an international digital connection
Blue Book – Fascicle III.5 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

G.823 (03/00) The control of jitter and wander within digital networks which are based on the 2048 kbit/s hierarchy
48pp E 19758 F 19759 S 19760 22 CHF

G.824 (03/00) The control of jitter and wander within digital networks which are based on the 1544 kbit/s hierarchy
24pp E 19397 F 19398 S 19399 17 CHF

G.825 (03/00) The control of jitter and wander within digital networks which are based on the synchronous digital hierarchy (SDH)
20pp E 19273 F 19274 S 19275 17 CHF

G.826 (12/02) End-to-end error performance parameters and objectives for international, constant bit-rate digital paths and connections
34pp E 23371 F 23372 S 23373 17 CHF

G.827 (03/00) Availability parameters and objectives for path elements of international constant bit-rate digital paths at or above the primary rate
20pp E 19761 F 19762 S 19763 17 CHF

G.827.1 (11/00) Availability performance objectives for end-to-end international constant bit-rate digital paths at or above the primary rate
18pp E 19866 F 19867 S 19868 12 CHF

G.828 (03/00) Error performance parameters and objectives for international, constant bit rate synchronous digital paths
24pp E 19498 F 19499 S 19500 17 CHF

G.828 (2000) Corrigendum 1 (07/01)

G.829 (12/02) Error performance events for SDH multiplex and regenerator sections
16pp E 23338 F 23339 S 23340 12 CHF

Network capabilities and functions

G.831 (03/00) Management capabilities of transport networks based on the synchronous digital hierarchy (SDH)
16pp E 19527 F 19528 S 19529 12 CHF

G.832 (10/98) Transport of SDH elements on PDH networks – Frame and multiplexing structures
24pp E 14607 F 14608 S 14609 17 CHF

SDH network characteristics

G.841 (10/98) Types and characteristics of SDH network protection architectures
140pp E 15794 F 15795 S 15796 55 CHF

G.841 (1998) Corrigendum 1 (08/02)

G.842 (04/97) Interworking of SDH network protection architectures
36pp E 12034 F 12035 S 12036 22 CHF

Management of transport network

G.851.1 (11/96) Management of the transport network – Application of the RM-ODP framework
72pp E 11054 F 11055 S 11056 34 CHF

G.852.1 (11/96) Enterprise viewpoint for simple subnetwork connection management
16pp E 11684 F 11685 S 11686 12 CHF

G.852.2 (03/99) Enterprise viewpoint description of transport network resource model
36pp E 15928 F 15929 S 15930 22 CHF

G.852.3 (03/99) Enterprise viewpoint for topology management
20pp E 15736 F 15740 S 15741 17 CHF

G.852.6 (03/99) Enterprise viewpoint for trail management
16pp E 15691 F 15694 S 15695 12 CHF

G.852.8 (03/99) Enterprise viewpoint for pre-provisioned adaptation management
12pp E 14296 F 14297 S 14298 12 CHF

G.852.10 (03/99) Enterprise viewpoint for pre-provisioned link connection management
12pp E 15696 F 15697 S 15698 12 CHF

G.852.12 (03/99) Enterprise viewpoint for pre-provisioned link management
16pp E 15699 F 15700 S 15701 12 CHF

G.852.16 (01/01) Enterprise viewpoint for pre-provisioned route discovery
14pp E 20413 F 20414 S 20415 12 CHF

G.853.1 (03/99) Common elements of the information viewpoint for the management of a transport network
60pp E 15961 F 15962 S 15963 29 CHF

G.853.2 (11/96) Subnetwork connection management information viewpoint
20pp E 11775 F 11778 S 11779 17 CHF

G.853.3 (03/99) Information viewpoint for topology management
16pp E 15778 F 15779 S 15780 12 CHF

G.853.6 (03/99) Information viewpoint for trail management
12pp E 15702 F 15703 S 15704 12 CHF

G.853.8 (03/99) Information viewpoint for pre-provisioned adaptation management
20pp E 15883 F 15884 S 15885 17 CHF

G.853.10 (03/99) Information viewpoint for pre-provisioned link connection management
12pp E 15889 F 15890 S 15891 12 CHF

G.853.12 (03/99) Information viewpoint for pre-provisioned link management

12pp E 15880 F 15881 S 15882 12 CHF

G.853.16 (01/01) Information viewpoint for pre-provisioned route discovery

16pp E 20416 F 20417 S 20418 17 CHF

G.854.1 (11/96) Computational interfaces for basic transport network model

24pp E 11043 F 11044 S 11045 17 CHF

G.854.3 (03/99) Computational viewpoint for topology management

36pp E 15751 F 15752 S 15753 22 CHF

G.854.6 (03/99) Computational viewpoint for trail management

32pp E 15760 F 15761 S 15762 17 CHF

G.854.8 (03/99) Computational viewpoint for pre-provisioned adaptation management

32pp E 15877 F 15878 S 15879 17 CHF

G.854.10 (03/99) Computational viewpoint for pre-provisioned link connection management

20pp E 15754 F 15755 S 15756 17 CHF

G.854.12 (03/99) Computational viewpoint for pre-provisioned link management

16pp E 15763 F 15764 S 15765 12 CHF

G.854.16 (01/01) Computational viewpoint for pre-provisioned route discovery

18pp E 20473 F 20474 S 20475 12 CHF

G.855.1 (03/99) GDMO engineering viewpoint for the generic network level model

30pp E 15934 F 15935 S 15936 17 CHF

SDH radio and satellite systems integration

G.861 (08/96) Principles and guidelines for the integration of satellite and radio systems in SDH transport networks

20pp E 10824 F 10825 S 10826 17 CHF

Optical transport networks

G.871/Y.1301 (10/00) Framework for optical transport network Recommendations

12pp E 19928 F 19929 S 19930 12 CHF

G.872 (11/01) Architecture of optical transport networks

72pp E 22537 F 22538 S 22539 34 CHF

G.873.1 (03/03) Optical Transport Network (OTN): Linear protection

23pp E 24180 F 24181 S 24182 17 CHF

G.874 (11/01) Management aspects of the optical transport network element

63pp E 22280 F 22281 S 22282 29 CHF

G.874.1 (01/02) Optical transport network (OTN): Protocol-neutral management information model for the network element view

67pp E 22338 F 22339 S 22340 29 CHF

Digital sections and digital line system

General

G.901 (11/88) General considerations on digital sections and digital line systems

Blue Book – Fascicle III.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.902 (11/95) Framework Recommendation on functional access networks (AN) – Architecture and functions, access types, management and service node aspects

44pp E 9545 F 9546 S 9547 22 CHF

Parameters for optical fibre cable systems

G.911 (04/97) Parameters and calculation methodologies for reliability and availability of fibre optic systems

36pp E 12157 F 12158 S 12159 22 CHF

Digital sections at hierarchical bit rates based on a bit rate of 2048 kbit/s

G.921 (11/88) Digital sections based on the 2048 kbit/s hierarchy

Blue Book – Fascicle III.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Digital line transmission systems on cable at non-hierarchical bit rates

G.931 (11/88) Withdrawn (05.02)

Digital line sections at 3152 kbit/s

This Recommendation was deleted since no more significant content remained after the removal of the material in its Annex A to new Appendix III/G.703 “3152 kbit/s interface specification for use in North America”.

4pp E 7084 F 7084 S 7084 9 CHF

Digital line systems provided by FDM transmission bearers

G.941 (11/88) Digital line systems provided by FDM transmission bearers

Blue Book – Fascicle III.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Digital line systems

G.950 (11/88) General considerations on digital line systems

Blue Book – Fascicle III.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.951 (11/88) Digital line systems based on the 1544 kbit/s hierarchy on symmetric pair cables

Blue Book – Fascicle III.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.952 (11/88) Digital line systems based on the 2048 kbit/s hierarchy on symmetric pair cables

Blue Book – Fascicle III.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.953 (11/88) Digital line systems based on the 1544 kbit/s hierarchy on coaxial pair cables

Blue Book – Fascicle III.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.954 (11/88) Digital line systems based on the 2048 kbit/s hierarchy on coaxial pair cables

Blue Book – Fascicle III.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

G.955 (11/96) Digital line systems based on the 1544 kbit/s and the 2048 kbit/s hierarchy on optical fibre cables

24pp E 11701 F 11702 S 11703 17 CHF

G.956 (11/88) Withdrawn (03/93)

Digital line systems based on the 2048 kbit/s hierarchy on optical fibre cables

The content of this Recommendation is now covered by ITU-T G.955

G.957 (07/99) Optical interfaces for equipments and systems relating to the synchronous digital hierarchy

6pp E 16537 F 16538 S 16539 22 CHF

G.959.1 (02/01) Optical transport network physical layer interfaces

50pp E 21376 F 21377 S 21378 22 CHF

Digital section and digital transmission systems for customer access to ISDN

G.960 (03/93) Access digital section for ISDN basic rate access

32pp E 3914 F 3913 S 3915 20 CHF

G.961 (03/93) Digital transmission system on metallic local lines for ISDN basic rate access

Covering note, 1st August 2000: Corrigendum 1

139pp E 4102 F 4101 S 4103 42 CHF

G.961 erratum (08/00)

G.962 (03/93) Access digital section for ISDN primary rate at 2048 kbit/s

51pp E 3841 F 3840 S 3842 24 CHF

G.962 (1993) Amendment 1 (06/97) Maintenance channel

12pp E 11916 F 11917 S 11918 12 CHF

G.963 (03/93) Access digital section for ISDN primary rate at 1544 kbit/s

29pp E 3708 F 3707 S 3709 15 CHF

G.964 (03/01) V-interfaces at the digital local exchange (LE) – V5.1 interface (based on 2048 kbit/s) for the support of access network (AN)

203pp E 21555 F 21556 S 21557 73 CHF

G.965 (03/01) V-interfaces at the digital local exchange (LE) – V5.2 interface (based on 2048 kbit/s) for the support of access network (AN)

194pp E 21615 F 21616 S 21617 73 CHF

G.966 (02/99) Access digital section for B-ISDN

28pp E 16003 F 16004 S 16005 17 CHF

G.967 V-interfaces at the service node (SN)

G.967.1 (06/98) V-interfaces at the service node (SN): VB5.1 reference point specification

This Recommendation includes one diskette containing the SDL process diagrams corresponding to the VB5.1 reference point.

192pp E 14280 F 14281 S 14282 12 CHF

G.967.2 (02/99) V-interfaces at the service node (SN): VB5.2 reference point specification

This Recommendation includes one diskette containing the SDL process diagrams corresponding to the VB5.2 reference point.

160pp E 15920 F 15921 S 15922 101 CHF

G.967.3 (03/00) V-interfaces at the service node (SN): Protocol implementation conformance statements for interfaces at VB5 reference points

8pp E 19400 F 19401 S 19402 9 CHF

Optical fibre submarine cable systems

G.971 (04/00) General features of optical fibre submarine cable systems
20pp E 19686 F 19687 S 19688 17 CHF

G.972 (10/00) Definition of terms relevant to optical fibre submarine cable systems
20pp E 19906 F 19907 S 19908 17 CHF

G.973 (11/96) Characteristics of repeaterless optical fibre submarine cable systems
24pp E 11723 F 11724 S 11725 17 CHF

G.974 (03/93) Characteristics of regenerative optical fibre submarine cable systems
15pp E 4213 F 4212 S 4214 15 CHF

G.975 (10/00) Forward error correction for submarine systems
24pp E 20246 F 20247 S 20248 17 CHF

G.976 (10/00) Test methods applicable to optical fibre submarine cable systems
36pp E 19925 F 19926 S 19927 22 CHF

G.977 (04/00) Characteristics of optically amplified optical submarine cable systems
40pp E 19689 F 19690 S 19691 22 CHF

Optical line systems for local and access networks

G.981 (01/94) PDH optical line systems for the local network
8pp E 5384 F 5383 S 5385 11 CHF

G.982 (11/96) Optical access networks to support services up to the ISDN primary rate or equivalent bit rates
28pp E 11714 F 11715 S 11716 17 CHF

G.983.1 (10/98) Broadband optical access systems based on Passive Optical Networks (PON)
116pp E 15705 F 15706 S 15707 49 CHF

G.983.1 (1998) Corrigendum 1 (07/99)

G.983.1 (1998) Amendment 1 (11/01) Amendment 1
16pp E 22001 F 22002 S 22003 12 CHF

G.983.1 (1998) Amendment 2 (03/03)

10pp E 23396 9 CHF

G.983.2 (06/02) ONT management and control interface specification for B-PON
192pp E 23384 F 23385 S 23386 73 CHF

G.983.2 (2002) Amendment 1 (03/03)
13pp E 23971 F 23972 S 23973 12 CHF

G.983.3 (03/01) A broadband optical access system with increased service capability by wavelength allocation
62pp E 21023 F 21024 S 21025 29 CHF

G.983.3 (2001) Amendment 1 (06/02)
16pp E 22359 F 22360 S 22361 12 CHF

G.983.4 (11/01) A broadband optical access system with increased service capability using dynamic bandwidth assignment
88pp E 22304 F 22305 S 22306 39 CHF

G.983.5 (01/02) A broadband optical access system with enhanced survivability
59pp E 22639 F 22640 S 22641 29 CHF

G.983.6 (06/02) ONT management and control interface specifications for B-PON system with protection features
24pp E 22720 F 22721 S 22722 17 CHF

G.983.7 (11/01) ONT management and control interface specification for dynamic bandwidth assignment (DBA) B-PON system
28pp E 21417 F 21418 S 21419 17 CHF

G.983.8 (03/03) B-PON OMCI support for IP, ISDN, video, VLAN tagging, VC cross-connections and other select functions
69pp E 23405 34 CHF

G.984.1 (03/03) Gigabit-capable Passive Optical Networks (GPON): General characteristics
21pp E 24152 F 24153 S 24154 17 CHF

G.984.2 (03/03) Gigabit-capable passive optical networks (GPON): Physical media dependent (PMD) layer specification
38pp E 23574 22 CHF

G.985 (03/03) 100 Mbit/s point-to-point Ethernet based optical access system
20pp E 24118 F 24119 S 24120 12 CHF

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|------------------------|--|---------|---------|--------|--|
| G.989.1 (02/01) | Phoneline networking transceivers – Foundation | | | | |
| 22pp | E 20800 | F 20801 | S 20802 | 17 CHF | |
| G.989.2 (11/01) | Phoneline networking transceivers – Payload format and link layer requirements | | | | |
| 65pp | E 22065 | F 22066 | S 22067 | 29 CHF | |
| G.989.3 (03/03) | Phoneline networking transceivers – Isolation function | | | | |
| 17pp | E 23428 | | | 12 CHF | |

Access networks

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|--|---|---------|---------|--------|--|
| G.991.1 (10/98) | High bit rate Digital Subscriber Line (HDSL) transceivers | | | | |
| 168pp | E 16084 | F 16085 | S 16086 | 73 CHF | |
| G.991.2 (02/01) | Single-Pair High-Speed Digital Subscriber Line (SHDSL) transceivers | | | | |
| 173pp | E 21998 | F 21999 | S 22000 | 73 CHF | |
| G.991.2 (2001) Amendment 1 (11/01) | | | | | |
| 18pp | E 22404 | F 22405 | S 22406 | 12 CHF | |
| G.992.1 (07/99) | Asymmetrical digital subscriber line (ADSL) transceivers | | | | |
| 252pp | E 17821 | F 17822 | S 17823 | 96 CHF | |
| G.992.1 (1999) Corrigendum 1 (11/01) | | | | | |
| G.992.1 (1999) Corrigendum 2 (07/02) | <i>The changes introduced by this corrigendum are included in G.992.1 (1999) Amendment 1</i> | | | | |
| G.992.1 (1999) Amendment 1 (03/03) | <i>This amendment includes the changes introduced by G.992.1 (1999) Corrigendum 2</i> | | | | |
| 99pp | E 23619 | | | 39 CHF | |
| G.992.1 Annex H (10/00) | Specific requirements for a synchronized symmetrical DSL (SSDSL) system operating in the same cable binder as ISDN as defined in G.961 Appendix III | | | | |
| 46pp | E 19980 | F 19981 | S 19982 | 22 CHF | |
| G.992.2 (07/99) | Splitterless asymmetric digital subscriber line (ADSL) transceivers | | | | |
| 176pp | E 17666 | F 17667 | S 17668 | 73 CHF | |
| G.992.2 (1999) Corrigendum 1 (07/02) | <i>The content of this corrigendum has been incorporated in Amendment 1 (2003)</i> | | | | |
| G.992.2 (1999) Amendment 1 (03/03) | Revised Annex C | | | | |
| <i>This Amendment includes the modifications of Corrigendum 1 (2002)</i> | | | | | |
| 50pp | E 23429 | | | 22 CHF | |

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| G.992.3 (07/02) | Asymmetric digital subscriber line transceivers 2 (ADSL2) | | | | |
| 297pp | E 22454 | | | 96 CHF | |
| G.992.3 (2002) Amendment 1 (05/03) | | | | | |
| 23pp | E 23664 | | | 17 CHF | |
| G.992.4 (07/02) | Splitterless asymmetric digital subscriber line transceivers 2 (splitterless ADSL2) | | | | |
| 24pp | E 23104 | F 23105 | S 23106 | 17 CHF | |
| G.992.5 (05/03) | Asymmetrical Digital Subscriber Line (ADSL) transceivers – Extended bandwidth ADSL2 (ADSL2+) | | | | |
| 84pp | E 23669 | | | 34 CHF | |
| G.993.1 (11/01) | Very high speed digital subscriber line foundation | | | | |
| 47pp | E 22274 | F 22275 | S 22276 | 22 CHF | |
| G.993.1 (2001) Amendment 1 (03/03) | | | | | |
| 36pp | E 23576 | | | 17 CHF | |
| G.994.1 (05/03) | Handshake procedures for digital subscriber line (DSL) transceivers | | | | |
| 159pp | E 23665 | | | 61 CHF | |
| G.995.1 (02/01) | Overview of digital subscriber line (DSL) Recommendations | | | | |
| 36pp | E 21048 | F 21049 | S 21050 | 17 CHF | |
| G.995.1 (2001) Amendment 1 (11/01) | | | | | |
| 11pp | E 21937 | F 21938 | S 21939 | 9 CHF | |
| G.996.1 (02/01) | Test procedures for digital subscriber line (DSL) transceivers | | | | |
| 86pp | E 21320 | F 21321 | S 21322 | 39 CHF | |
| G.996.1 (2001) Amendment 1 (03/03) | New Annex B | | | | |
| 13pp | E 24014 | F 24015 | S 24016 | 12 CHF | |
| G.997.1 (05/03) | Physical layer management for digital subscriber line (DSL) transceivers | | | | |
| 60pp | E 24047 | | | 29 CHF | |

Quality of service and performance – Generic and user-related aspects

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|-----------------------|--|---------|---------|--------|--|
| G.1000 (11/01) | Communications Quality of Service: A framework and definitions | | | | |
| 16pp | E 21742 | F 21743 | S 21744 | 12 CHF | |
| G.1010 (11/01) | End-user multimedia QoS categories | | | | |
| 18pp | E 21883 | F 21884 | S 21885 | 12 CHF | |

Transmission media characteristics

Digital terminal equipments

General

G.7041/Y.1303 (12/01) Generic framing procedure (GFP)
51pp E 22590 F 22591 S 22592 22 CHF

G.7041/Y.1303 (2001) Amendment 1 (06/02) Amendment 1
11pp E 22726 F 22727 S 22728 9 CHF

G.7041/Y.1303 (2001) Corrigendum 1 (03/03)

G.7041/Y.1303 (2001) Amendment 2 (03/03)
9pp E 23432 9 CHF

G.7041/Y.1303 (2001) Amendment 2 (03/03)
14pp E 24084 F 24085 S 24086 12 CHF

G.7042/Y.1305 (11/01) Link capacity adjustment scheme (LCAS) for virtual concatenated signals
24pp E 21947 F 21948 S 21949 17 CHF

G.7042/Y.1305 (2001) Corrigendum 1 (06/02)

G.7042/Y.1305 (2001) Corrigendum 2 (03/03)

Operations, administration and maintenance features of transmission equipment

G.7710/Y.1701 (11/01) Common equipment management function requirements
88pp E 22596 F 22597 S 22598 39 CHF

G.7712/Y.1703 (03/03) Architecture and specification of data communication network
85pp E 23433 39 CHF

G.7713/Y.1704 (12/01) Distributed call and connection management (DCM)
74pp E 22912 F 22913 S 22914 34 CHF

G.7713.1/Y.1704.1 (03/03) Distributed Call and Connection Management (DCM) based on PNNI
53pp E 23425 29 CHF

G.7713.2/Y.1704.2 (03/03) Distributed Call and Connection Management: Signalling mechanism using GMPLS RSVP-TE
39pp E 23460 22 CHF

G.7713.3/Y.1704.3 (03/03) Distributed Call and Connection Management: Signalling mechanism using GMPLS CR-LDP
45pp E 23462 22 CHF

G.7714/Y.1705 (11/01) Generalized automatic discovery techniques
22pp E 21414 F 21415 S 21416 17 CHF

G.7714.1/Y.1705.1 (04/03) Protocol for automatic discovery in SDH and OTN networks
28pp E 23582 17 CHF

G.7715/Y.1706 (06/02) Architecture and Requirements for Routing in the Automatic Switched Optical Networks
36pp E 22748 F 22749 S 22750 17 CHF

Digital networks

General aspects

G.8080/Y.1304 (11/01) Architecture for the automatic switched optical networks (ASON)
48pp E 22221 F 22222 S 22223 22 CHF

G.8080/Y.1304 (2001) Amendment 1 (03/03)
33pp E 23504 17 CHF

Quality and availability targets

G.8251 (11/01) The control of jitter and wander within the optical transport network (OTN)
62pp E 22556 F 22557 S 22558 29 CHF

G.8251 (2001) Corrigendum 1 (06/02)

G.8251 (2001) Amendment 1 (06/02)
59pp E 22874 F 22875 S 22876 29 CHF

Supplements to the Series G Recommendations

G.100 Series Supplement 29 (03/93) Planning of mixed analogue-digital circuits (chains, connections)
34pp E 4868 F 4867 S 4869 15 CHF

G.100 Series Supplement 31 (03/93) Principles of determining an impedance strategy for the local network
15pp E 4662 F 4661 S 4663 11 CHF

G.100 Series Supplement 32 (03/93) Transmission aspects of digital mobile radio systems
14pp E 4811 F 4810 S 4812 11 CHF

Suppl. 4 (12/72) Certain methods of avoiding the transmission of excessive noise between interconnected systems

Green Book Volume III.2, page 572

Suppl. 5 (10/84) Measurement of the load of telephone circuits under field conditions

Red Book Fascicle III.2, page 295

Red Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 7 (12/72) Loss-frequency response of channel-translating equipment used in some countries for international circuits

Green Book Volume III.2, page 590

Suppl. 8 (12/72) Method proposed by the Belgian telephone administration for interconnection between coaxial and symmetric pair systems

Green Book Volume III.2, page 591

Suppl. 13 (10/76) Noise at the terminals of the battery supply

Orange Book Fascicle III.3, page 664

Suppl. 17 (10/84) Group-delay distortion performance of terminal equipment

Red Book Fascicle III.2, page 311

Red Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 19 (10/84) Digital crosstalk measurement (method used by the Administrations of France, the Netherlands and Spain)

Red Book Fascicle III.2, page 326

Red Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 22 (10/84) Mathematical models of multiplex signals

Red Book Fascicle III.2, page 326

Red Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 26 (10/84) Estimating the signal load margin of FDM wideband amplifier equipment and transmission systems

Red Book Fascicle III.2, page 344

Red Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 27 (10/84) Interference from external sources

This Supplement is also published as G.500 series supplement in Red Book fascicle III.2

Red Book – Fascicle III.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 28 (10/84) Application of transmultiplexers, FDM codecs, data-in-voice (DIV) systems and data-over-voice (DOV) systems during the transition from an analogue to a digital network

Red Book Fascicle III.3, page 397

Red Book – Fascicle III.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 32 (11/88) Transfer of alarm information on 60-channel transmultiplexing equipment

Blue Book – Fascicle III.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 34 (11/88) Temperature in underground containers for the installation of repeaters

Blue Book – Fascicle III.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 35 (11/88) Guidelines concerning the measurement of wander

Blue Book – Fascicle III.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 36 (11/88) Jitter and wander accumulation in digital networks

Blue Book – Fascicle III.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 37 (10/98) ITU-T Recommendation G.763 digital circuit multiplication equipment (DCME) tutorial and dimensioning

20pp E 15964 F 15965 S 15966 17 CHF

Suppl. 38 (10/98) Variable bit rate calculations for ITU-T Recommendation G.767 Digital Circuit Multiplication Equipment (DCME)

8pp E 14406 F 14407 S 14408 9 CHF

SERIES H**Audiovisual and multimedia systems****H.11 (10/84) Withdrawn (06.98)**

Characteristics of circuits in the switched telephone network

Deleted after its content became technically out of date

5pp E 10213 F 10214 S 10216 9 CHF

H.12 (10/84) Withdrawn (06.98)

Characteristics of telephone-type leased circuits

Deleted after its content became technically out of date

7pp E 10219 F 10220 S 10221 9 CHF

H.13 (11/88) Withdrawn (09.03)

Impulsive noise measuring instrument for telephone-type circuits

H.13 was an alias name of ITU-T O.71. Only this alias name was suppressed. ITU-T O.71 remains valid

Blue Book – Fascicle IV.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

H.14 (10/84) Withdrawn (06.98)

Characteristics of group links for the transmission of wide-spectrum signals

Deleted after its content became technically out of date

6pp E 10225 F 10226 S 10227 9 CHF

H.15 (10/84) Withdrawn (06.98)

Characteristics of supergroup links for the transmission of wide-spectrum signals

Deleted after its content became technically out of date

5pp E 10245 F 10246 S 10247 9 CHF

H.16 (10/84) Withdrawn (06.98)

Characteristics of an impulsive-noise measuring instrument for wideband data transmission

H.16 was an alias name of ITU-T O.72. Only this alias name was suppressed. ITU-T O.72 remains valid

4pp E 11892 F 10249 S 10250 20 CHF

H.21 (10/84) Withdrawn (06.98)

Composition and terminology of international voice-frequency telegraph systems

Deleted after its content became technically out of date

5pp E 10251 F 10252 S 10253 9 CHF

H.22 (10/84) Withdrawn (06.98)

Transmission requirements of international voice-frequency telegraph links (at 50, 100 and 200 bauds)

Deleted after its content became technically out of date

5pp E 10254 F 10255 S 10256 9 CHF

H.23 (10/84) Withdrawn (06.98)

Basic characteristics of telegraph equipments used in international voice-frequency telegraph systems

This Recommendation was only reproducing for information some characteristics given in ITU-T R.31 and R.35

3pp E 10257 F 10258 S 10259 9 CHF

H.32 (11/88) Withdrawn (09.03)

Simultaneous communication by telephony and telegraphy on a telephone-type circuit

H.32 was an alias name of ITU-T R.43. Only this alias name was suppressed. ITU-T R.43 remains valid

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

H.34 (10/84) Withdrawn (06.98)

Subdivision of the frequency band of a telephone-type circuit between telegraphy and other services

Deleted after its content became technically out of date

5pp E 10263 F 10264 S 10265 9 CHF

H.43 (11/88) Withdrawn (09.03)

Document facsimile transmissions on leased telephone-type circuits

H.43 was an alias name of ITU-T T.10. Only this alias name was suppressed. ITU-T T.10 remains valid

Blue Book – Fascicle VII.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

H.51 (11/88) Withdrawn (09.03)

Power levels for data transmission over telephone lines

H.51 was an alias name of ITU-T V.2. Only this alias name was suppressed. ITU-T V.2 remains valid

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

H.52 (10/84) Withdrawn (06.98)

Transmission of wide-spectrum signals (data, facsimile, etc.) on wideband group links

Deleted after its content became technically out of date

5pp E 10278 F 10279 S 10280 9 CHF

H.53 (10/84) **Withdrawn (06.98)**

Transmission of wide-spectrum signals (data, etc.)
over wideband supergroup links

Deleted after its content became technically out of date

5pp E 10281 F 10282 S 10283 9 CHF

Characteristics of visual telephone systems

H.100 (11/88) Visual telephone systems

Blue Book – Fascicle III.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

H.110 (11/88) Hypothetical reference connections for videoconferencing using primary digital group transmission

Blue Book – Fascicle III.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

H.120 (03/93) Coders for videoconferencing using primary digital group transmission

60pp E 4311 F 4310 S 4312 24 CHF

H.130 (11/88) Frame structures for use in the international interconnection of digital coders for videoconferencing or visual telephony

Blue Book – Fascicle III.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

H.140 (11/88) A multipoint international videoconference system

Blue Book – Fascicle III.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Infrastructure of audiovisual services

General

H.200 (03/93) Framework for Recommendations for audiovisual services

4pp E 3790 F 3789 S 3791 8 CHF

Transmission multiplexing and synchronization

H.221 (05/99) Frame structure for a 64 to 1920 kbit/s channel in audiovisual teleservices

Covering note, May 2000: Erratum

48pp E 16658 F 16659 S 16660 22 CHF

H.222 (11/88) **Withdrawn (12.90)**

Frame structure for 384-1920 kbit/s channels in
audiovisual teleservices

Merged with ITU-T H.221 in 1990

H.222.0 (02/00) Information technology – Generic coding of moving pictures and associated audio information: Systems

*This edition of ITU-T H.222.0 consolidates H.222.0
(07/1995) and its Amendments 1 and 2 (11/1996), 3 and
4 (02/1998), 5 and 6 (05/1999), 7 (02/2000) and
Corrigendum 1 (02/1998)*

Identical to ISO/IEC 13818-1

172pp E 17983 F 17984 S 17985 73 CHF

H.222.0 (2000) **Technical Cor.1 (03/01)**

Identical to ISO/IEC 13818-1

H.222.0 (2000) **Technical Cor.2 (03/02)**

Identical to ISO/IEC 13818-1

H.222.0 (2000) **Amendment 1 (12/02)**

*This amendment includes the correction introduced by
H.222.0 (2000) Amend.1/Cor.1 (2003)*

Identical to ISO/IEC 13818-1

30pp E 23419 S 23421 17 CHF

H.222.0 (2000) **Amendment 1 Corrigendum 1 (06/03)**

*Never published, directly consolidated in Amend.1 to
H.222.0 (2000)*

H.222.0 (2000) **Amendment 2 (06/03)** Support of IPMP on MPEG-2 systems

H.222.1 (03/96) Multimedia multiplex and synchronization for audiovisual communication in ATM environments

24pp E 7394 F 7395 S 7396 17 CHF

H.223 (07/01) Multiplexing protocol for low bit rate multimedia communication

46pp E 21543 F 21544 S 21545 22 CHF

H.224 (02/00) A real time control protocol for simplex applications using the H.221 LSD/HSD/HLP channels

20pp E 18714 F 18715 S 18716 17 CHF

H.225.0 (07/03) Call signalling protocols and media stream packetization for packet-based multimedia communication systems

244pp E 23937 109 CHF

H.226 (09/98) Channel aggregation protocol for multilink operation on circuit-switched networks

24pp E 14188 F 14189 S 14190 17 CHF

Systems aspects

H.230 (05/99) Frame-synchronous control and indication signals for audiovisual systems

24pp E 16586 F 16587 S 16588 17 CHF

H.231 (07/97) Multipoint control units for audiovisual systems using digital channels up to 1920 kbit/s

20pp E 12438 F 12439 S 12440 17 CHF

H.233 (11/02) Confidentiality system for audiovisual services

27pp E 23276 F 23277 S 23278 17 CHF

H.234 (11/02) Encryption key management and authentication system for audiovisual services

29pp E 23294 F 23295 S 23296 17 CHF

H.235 (08/03) Security and encryption for H-series (H.323 and other H.245-based) multimedia terminals

128pp E 24094 49 CHF

H.235 Annex F Corrigendum 1 (07/03)

H.235 Annex F (03/02) Hybrid security profile

20pp E 22258 F 22259 S 22260 12 CHF

H.239 (07/03) Role management and additional media channels for H.300-series terminals

29pp E 23939 17 CHF

Communication procedures

H.241 (07/03) Extended video procedures and control signals for H.300 SERIES TERMINALS

22pp E 23940 17 CHF

H.242 (05/99) System for establishing communication between audiovisual terminals using digital channels up to 2 Mbit/s

84pp E 16887 F 16888 S 16889 39 CHF

H.243 (02/00) Procedures for establishing communication between three or more audiovisual terminals using digital channels up to 1920 kbit/s

60pp E 18147 F 18148 S 18149 29 CHF

H.243 (2000) Corrigendum 1 (11/00)

H.244 (07/95) Synchronized aggregation of multiple 64 or 56 kbit/s channels

28pp E 6467 F 6468 S 6469 15 CHF

H.245 (07/03) Control protocol for multimedia communication

323pp E 23987 124 CHF

H.246 (02/98) Interworking of H-Series multimedia terminals with H-Series multimedia terminals and voice/voiceband terminals on GSTN and ISDN

28pp E 13397 F 13398 S 13399 17 CHF

H.246 Annex C (07/03) ISDN User Part function – H.225.0 interworking

103pp E 23941 44 CHF

H.246 Annex E1 (11/00) General Inter-Working Function (IWF) between Mobile Application Part and H.225.0

20pp E 21869 F 21870 S 21871 12 CHF

H.246 Annex E2 (11/00) Annex E2: ANSI-41 (Americas) Mobile Application Part and H.225.0 interworking

56pp E 21708 F 21709 S 21710 29 CHF

H.246 Annex F (07/01) H.323 – H.324 interworking

18pp E 21603 F 21604 S 21605 12 CHF

H.247 (09/98) Multipoint extension for broadband audiovisual communication systems and terminals

28pp E 14267 F 14268 S 14269 17 CHF

H.248 Annex F (11/00) Facsimile, text conversation and call discrimination packages

This Annex was renumbered as Rec. H.248.2 on 2002-03-29 without further modification

H.248 Annex G (11/00) User interface elements and actions packages

This Annex was renumbered as Rec. H.248.3 on 2002-03-29 without further modification

H.248 Annex H (11/00) Transport over SCTP

This Annex was renumbered as Rec. H.248.4 on 2002-03-29 without further modification

H.248 Annex I (11/00) Transport over ATM

This Annex was renumbered as Rec. H.248.5 on 2002-03-29 without further modification

H.248 Annex J (11/00) Dynamic Tone Definition package

This Annex was renumbered as Rec. H.248.6 on 2002-03-29 without further modification

H.248 Annex K (11/00) Generic Announcement package

This Annex was renumbered as Rec. H.248.7 on 2002-03-29 without further modification

H.248 Annex M2 (07/01) Annex M2: Media Gateway resource congestion handling package

This Annex was renumbered as H.248.10 on 2002-03-29 without further modification

10pp E 20828 F 20829 S 20830 9 CHF

H.248 Annex M4 (07/01) This annex was renumbered as H.248.12 on 2002-03-29 without further modification

This Annex was renumbered as H.248.12 on 2002-03-29 without further modification

30pp E 20891 F 20892 S 20893 17 CHF

H.248.1 (05/02) Gateway control protocol: Version 2

150pp E 23024 F 23025 S 23026 61 CHF

H.248 Annex F (11/00) Facsimile, text conversation and call discrimination packages

This Annex was renumbered as Rec. H.248.2 on 2002-03-29 without further modification

H.248.2 (11/00) Gateway control protocol: Facsimile, text conversation and call discrimination packages

This Recommendation was first approved and published as Annex F to H.248, and then renumbered as H.248.2 on 2002-03-29 without further modification

47pp E 22613 F 22614 S 22615 22 CHF

H.248 Annex G (11/00) User interface elements and actions packages

This Annex was renumbered as Rec. H.248.3 on 2002-03-29 without further modification

H.248.3 (11/00) Gateway control protocol: User interface elements and actions packages

This Recommendation was first approved and published as Annex G to H.248, and then renumbered as H.248.3 on 2002-03-29 without further modification

19pp E 22431 F 22432 S 22433 12 CHF

H.248 Annex H (11/00) Transport over SCTP

This Annex was renumbered as Rec. H.248.4 on 2002-03-29 without further modification

H.248.4 (11/00) Gateway control protocol: Transport over Stream Control Transmission Protocol (SCTP)

This Recommendation was first approved and published as Annex H to H.248, and then renumbered as H.248.4 on 2002-03-29 without further modification

9pp E 22434 F 22435 S 22436 9 CHF

H.248 Annex I (11/00) Transport over ATM

This Annex was renumbered as Rec. H.248.5 on 2002-03-29 without further modification

H.248.5 (11/00) Gateway control protocol: Transport over ATM

This Recommendation was first approved and published as Annex I to H.248, and then renumbered as H.248.5 on 2002-03-29 without further modification

12pp E 21481 F 21482 S 21483 9 CHF

H.248 Annex J (11/00) Dynamic Tone Definition package

This Annex was renumbered as Rec. H.248.6 on 2002-03-29 without further modification

H.248.6 (11/00) Gateway control protocol: Dynamic Tone Definition package

This Recommendation was first approved and published as Annex J to H.248, and then renumbered as H.248.6 on 2002-03-29 without further modification

12pp E 21478 F 21479 S 21480 9 CHF

H.248 Annex K (11/00) Generic Announcement package

This Annex was renumbered as Rec. H.248.7 on 2002-03-29 without further modification

H.248.7 (11/00) Gateway control protocol: Generic announcement package

This Recommendation was first approved and published as Annex K to H.248, and then renumbered as H.248.7 on 2002-03-29 without further modification

11pp E 22169 F 22170 S 22171 9 CHF

H.248.8 (03/02) Gateway control protocol: Error code and service change reason description

The former Annex L to H.248 was renumbered as H.248.8 when revised on 2002-03-29

26pp E 22437 F 22438 S 22439 17 CHF

H.248.9 (03/02) Gateway control protocol: Advanced media server packages

Drafted as H.248 Annex M1, renumbered and published as H.248.9

52pp E 22379 F 22380 S 22381 22 CHF

H.248 Annex M2 (07/01) Annex M2: Media Gateway resource congestion handling package

This Annex was renumbered as H.248.10 on 2002-03-29 without further modification

10pp E 20828 F 20829 S 20830 9 CHF

H.248.10 (07/01) Gateway control protocol: Media gateway resource congestion handling package

This Recommendation was first approved and published as Annex M2 to H.248, and then renumbered as H.248.10 on 2002-03-29 without further modification

9pp E 22160 F 22161 S 22162 9 CHF

H.248.11 (11/02) Gateway control protocol: Media gateway overload control package

23pp E 23377 F 23378 S 23379 17 CHF

H.248 Annex M4 (07/01) This annex was renumbered as H.248.12 on 2002-03-29 without further modification

This Annex was renumbered as H.248.12 on 2002-03-29 without further modification

30pp E 20891 F 20892 S 20893 17 CHF

H.248.12 (07/01) Gateway control protocol: H.248.1 packages for H.323 and H.324 interworking

This Recommendation was first approved and published as Annex M4 to H.248, and renumbered as H.248.12 on 2002-03-29 without further modification

30pp E 22183 F 22184 S 22185 17 CHF

H.248.12 (2001) Amendment 1 (11/02) New Annex A: Extended H.324, H.245 command and H.245 indication packages

16pp E 23329 F 23330 S 23331 12 CHF

H.248.13 (03/02) Gateway control protocol: Quality Alert Ceasing package

Drafted as H.248 Annex M5, renumbered and published as H.248.13

10pp E 22163 F 22164 S 22165 9 CHF

H.248.14 (03/02) Gateway control protocol: Inactivity timer package

Drafted as H.248 Annex M6, renumbered and published as H.248.14

9pp E 22166 F 22167 S 22168 9 CHF

H.248.15 (03/02) Gateway control protocol: SDP H.248 package attribute

Drafted as H.248 Annex N, renumbered and published as H.248.15

9pp E 22277 F 22278 S 22279 9 CHF

H.248.16 (11/02) Gateway control protocol: Enhanced digit collection packages and procedures

16pp E 23439 F 23440 S 23441 12 CHF

H.248.17 (11/02) Gateway control protocol: Line test package

30pp E 23472 F 23473 S 23474 17 CHF

H.248.18 (11/02) Gateway control protocol: Package for support of multiple profiles

10pp E 23279 F 23280 S 23281 9 CHF

H.248.20 (11/02) Gateway control protocol: The use of local and remote descriptors with H.221 and H.223 multiplexing

12pp E 23297 F 23298 S 23299 9 CHF

H.248.22 (07/03) Gateway control protocol: Shared Risk Group package

8pp E 23942 9 CHF

H.248.23 (07/03) Enhanced alerting packages

12pp E 23943 12 CHF

H.248.24 (07/03) Multi-frequency tone generation and detection packages

8pp E 23988 9 CHF

H.248.25 (07/03) Basic CAS packages

21pp E 23944 17 CHF

H.248.26 (07/03) Gateway control protocol: Enhanced analog line packages

9pp E 23945 12 CHF

H.248.27 (07/03) Gateway control protocol: Supplemental tones packages

14pp E 23946 12 CHF

Coding of moving video

H.261 (03/93) Video codec for audiovisual services at p x 64 kbit/s

25pp E 4186 F 4185 S 4187 15 CHF

H.262 (02/00) Information technology – Generic coding of moving pictures and associated audio information: Video

This edition of ITU-T H.262 consolidates H.262 (07/1995) and its Amendments 1 and 2 (11/1996), 3 and 4 (02/1998), 5 (05/1999), 6 (02/2000) and Corrigenda 1 and 2 (11/1996)

Identical to ISO/IEC 13818-2

216pp E 18106 F 18107 S 18108 96 CHF

H.262 (2000) Technical Cor. 1 (11/00)

Identical to ISO/IEC 13818-2

H.262 (2000) Amendment 1 (11/00) Amendment 1: Video elementary stream content description data

Identical to ISO/IEC 13818-2

24pp E 19813 F 19814 17 CHF

H.263 (02/98) Video coding for low bit rate communication

164pp E 13923 F 13924 S 13925 73 CHF

H.263 Annex U (11/00) Enhanced reference picture selection mode
36pp E 20590 F 20591 S 20592 22 CHF

H.263 Annex V (11/00) Data partitioned slice (DPS)
16pp E 20158 F 20159 S 20160 12 CHF

H.263 Annex W (11/00) Additional supplemental enhancement information
24pp E 20150 F 20151 S 20152 22 CHF

H.263 Annex X (04/01) Annex X: Profiles and levels definition
22pp E 20777 F 20778 S 20779 17 CHF

H.263 Appendix II (06/01) Recommended optional enhancement
Free of charge from the Electronic Bookshop
1pp 9 CHF

H.263 Appendix III (06/01) Video coding for low bit rate communication
Appendix III: Examples for H.263 encoder/decoder implementations
48pp E 22010 F 22011 S 22012 22 CHF

H.264 (05/03) Advanced video coding for generic audiovisual services
271pp E 23737 96 CHF

Related systems aspects

H.281 (11/94) A far end camera control protocol for videoconferences using H.224
8pp E 5897 F 5896 S 5898 11 CHF

H.282 (05/99) Remote device control protocol for multimedia applications
76pp E 16742 F 16743 S 16744 34 CHF

H.283 (05/99) Remote device control logical channel transport
20pp E 16661 F 16662 S 16663 17 CHF

Systems and terminal equipment for audiovisual services

H.310 (09/98) Broadband audiovisual communication systems and terminals
68pp E 14273 F 14274 S 14275 34 CHF

H.320 (05/99) Narrow-band visual telephone systems and terminal equipment
32pp E 16664 F 16665 S 16666 17 CHF

H.321 (02/98) Adaptation of H.320 visual telephone terminals to B-ISDN environments
28pp E 13459 F 13460 S 13461 17 CHF

H.322 (03/96) Visual telephone systems and terminal equipment for local area networks which provide a guaranteed quality of service
8pp E 7316 F 7317 S 7318 9 CHF

H.323 (07/03) Packet-based multimedia communications systems
This version 5 of H.323 integrates without further modifications Annexes M3 (07/2001), P (01/2003), Q (07/2001) and R (07/2001) that were published separately, and Annex O that was approved independently on 07/2003
301pp E 23967 96 CHF

H.323 Annex J (11/00) Security for H.323 Annex F
E 18400 F 18400 S 18400 27 CHF

H.323 Annex L (03/01) Packet-based multimedia communications systems
9pp E 19076 12 CHF

H.323 Annex M1 (11/00) Tunnelling of signalling protocol (Qsig) in H.323
E 18403 27 CHF

H.324 (03/02) Terminal for low bit-rate multimedia communication
78pp E 22325 F 22326 S 22327 34 CHF

H.324 (2002) Corrigendum 1 (11/02)

H.331 (03/93) Broadcasting type audiovisual multipoint systems and terminal equipment
5pp E 4084 F 4083 S 4085 8 CHF

H.332 (09/98) H.323 extended for loosely coupled conferences
24pp E 14308 F 14309 S 14310 17 CHF

H.341 (05/99) Multimedia management information base
This Recommendation includes one diskette containing the formal descriptions of Annexes A, B, C, D and E for the multimedia management information base.
16pp E 17360 F 17361 S 17362 50 CHF

H.350 (08/03) Directory services architecture for multimedia conferencing
22pp E 24060 17 CHF

H.350 attachment (08/03)
This attachment contains the LDIF files referred to in clauses 8.1 and 8.2 of ITU-T Rec. H.350 (07-2003)
Free of charge from the Electronic Bookshop
3pp 9 CHF

H.350.1 (08/03) Directory services architecture for H.323
18pp E 24061 12 CHF

H.350.1 attachment (08/03)

This attachment contains the LDIF files referred to in clause 7 of ITU-T Rec. H.350.1 (07-2003)

Free of charge from the Electronic Bookshop
2pp 9 CHF

H.350.2 (08/03) Directory services architecture for H.235
11pp E 24062 9 CHF

H.350.2 attachement (08/03)

This attachment contains the LDIF files referred to in clause 7 of ITU-T Rec. H.350.2 (07-2003)

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2pp 9 CHF

H.350.3 (08/03) Directory services architecture for H.320
13pp E 24063 12 CHF

H.350.3 attachment (08/03)

This attachment contains the LDIF files referred to in clause 7 of ITU-T Rec. H.350.3 (07-2003)

Free of charge from the Electronic Bookshop
2pp 9 CHF

H.350.4 (08/03) Directory services architecture for SIP
15pp E 24064 12 CHF

H.350.4 attachment I (08/03)

This attachment contains the LDIF files referred to in clause 7 of ITU-T Rec. H.350.4 (07-2003)

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2pp 9 CHF

H.350.5 (08/03) Directory services architecture for non-standard protocols
11pp E 24065 9 CHF

H.350.5 attachement (08/03)

This attachment contains the LDIF files referred to in clause 7 of ITU-T Rec. H.350.5 (07-2003)

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2pp 9 CHF

Supplementary services for multimedia

H.450.1 (02/98) Generic functional protocol for the support of supplementary services in H.323
24pp E 13262 F 13263 S 13264 17 CHF

H.450.2 (02/98) Call transfer supplementary service for H.323
48pp E 13538 F 13539 S 13540 22 CHF

H.450.3 (02/98) Call diversion supplementary service for H.323
68pp E 13528 F 13529 S 13530 34 CHF

H.450.4 (05/99) Call hold supplementary service for H.323
28pp E 16830 F 16831 S 16832 17 CHF

H.450.5 (05/99) Call park and call pickup supplementary services for H.323
Covering note, May 2000: Erratum
56pp E 16908 F 16909 S 16910 29 CHF

H.450.6 (05/99) Call waiting supplementary service for H.323
16pp E 16776 F 16777 S 16778 12 CHF

H.450.7 (05/99) Message waiting indication supplementary service for H.323
28pp E 16911 F 16912 S 16913 17 CHF

H.450.8 (02/00) Name identification supplementary service for H.323
12pp E 17818 F 17819 S 17820 12 CHF

H.450.9 (11/00) Call Completion Supplementary Services for H.323
66pp E 20267 F 20268 S 20269 29 CHF

H.450.10 (03/01) Call offering supplementary services for H.323
30pp E 20706 F 20707 S 20708 17 CHF

H.450.11 (03/01) Call intrusion supplementary services
60pp E 20743 F 20744 S 20745 29 CHF

H.450.12 (07/01) Common Information Additional Network Feature for H.323
28pp E 21040 F 21041 S 21042 17 CHF

H.460.1 (03/02) Guidelines for the use of the generic extensible framework
22pp E 22423 F 22424 S 22425 17 CHF

H.460.2 (07/01) Number Portability interworking between H.323 and SCN networks
16pp E 20960 F 20961 S 20962 12 CHF

H.460.3 (11/02) Circuit maps within H.323 systems
11pp E 23200 F 23201 S 23202 9 CHF

H.460.4 (11/02) Call priority designation for H.323 calls

17pp E 23249 F 23250 S 23251 12 CHF

H.460.5 (11/02) H.225.0 transport of multiple Q.931 information elements of the same type

9pp E 23197 F 23198 S 23199 9 CHF

H.460.6 (11/02) Extended Fast Connect feature

19pp E 23416 F 23417 S 23418 12 CHF

H.460.7 (11/02) Digit maps within H.323 systems

18pp E 23326 F 23327 S 23328 12 CHF

H.460.8 (11/02) Querying for alternate routes within H.323 systems

11pp E 23253 F 23254 S 23255 9 CHF

H.460.9 (11/02) Support for online QoS-monitoring reporting within H.323 systems

15pp E 23244 F 23245 S 23246 12 CHF

Mobility and Collaboration procedures

Overview of Mobility and Collaboration, definitions, protocols and procedures

H.501 (03/02) Protocol for mobility management and intra/inter-domain communication in multimedia systems

45pp E 22624 F 22625 S 22626 22 CHF

Mobility for H-Series multimedia systems and services

H.510 (03/02) Mobility for H.323 multimedia systems and services

34pp E 22548 F 22549 S 22550 17 CHF

Security for mobile multimedia systems and services

H.530 (03/02) Symmetric security procedures for H.323 mobility in H.510

29pp E 22542 F 22543 S 22544 17 CHF

H.530 Corrigendum 1 (07/03)

Broadband and triple-play multimedia services

Broadband multimedia services over VDSL

H.610 (07/03) Full-Service VDSL – System architecture and customer premises equipment

128pp E 24090 49 CHF

H.611 (07/03) Operations, administration maintenance & provision aspects of a full-service VDSL platform

40pp E 23947 22 CHF

Supplements to the Series H Recommendations

Suppl. 1 (05/99) Application profile – Sign language and lip-reading real-time conversation using low bit-rate video communication

This Supplement includes one CD-ROM containing the video clip “Irene” to be used as test material for video coding of sign language.

16pp E 16654 F 16655 S 16656 137 CHF

Suppl. 2 (05/03) H.248 Sub-series: Packages guide – Release 4

23pp E 24091 17 CHF

Suppl. 3 (05/03) Operator requirements for full service VDSL in ITU-T Recommendations H.610 and H.611

37pp E 24092 22 CHF

Suppl. 4 (05/03) Repository of generic parameters for the ITU-T Recommendations sub-series H.460.x

10pp E 24245 F 24246 S 24247 9 CHF

SERIES I

Integrated services digital network

General structure

Terminology

I.110 (11/88) Withdrawn (03/93)

Preamble and general structure of the I-Series Recommendations for the integrated services digital network (ISDN)

Deleted after its content became technically out of date

I.111 (11/88) Withdrawn (03.93)

Relationship with other Recommendations relevant to ISDNs

Deleted after its content became technically out of date

I.112 (03/93) Vocabulary of terms for ISDNs
16pp E 3844 F 3843 S 3845 15 CHF

I.112 Appendix I (02/02) General telecommunication terminology and definitions
8pp E 22198 F 22199 S 22201 9 CHF

I.113 (06/97) Vocabulary of terms for broadband aspects of ISDN
32pp E 11687 F 11688 S 11689 17 CHF

I.114 (03/93) Vocabulary of terms for universal personal telecommunication
4pp E 3726 F 3725 S 3727 8 CHF

Description of ISDNs

I.120 (03/93) Integrated services digital networks (ISDNs)
2pp E 3814 F 3813 S 3815 8 CHF

I.121 (04/91) Broadband aspects of ISDN
2pp E 2009 F 2008 S 2010 7 CHF

I.122 (03/93) Framework for frame mode bearer services
1pp E 3655 F 3654 S 3656 8 CHF

General modelling methods

I.130 (11/88) Method for the characterization of telecommunication services supported by an ISDN and network capabilities of an ISDN
Blue Book – Fascicle III.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Telecommunication network and service attributes

I.140 (03/93) Attribute technique for the characterization of telecommunication services supported by an ISDN and network capabilities of an ISDN
16pp E 4032 F 4031 S 4033 15 CHF

I.141 (11/88) ISDN network charging capabilities attributes
Blue Book – Fascicle III.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

General description of asynchronous transfer mode

I.150 (02/99) B-ISDN asynchronous transfer mode functional characteristics
16pp E 16116 F 16117 S 16118 12 CHF

Service capabilities*Scope*

I.200 (11/88) Guidance to the I.200-Series of Recommendations
Blue Book – Fascicle III.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

General aspects of services in ISDN

I.210 (03/93) Principles of telecommunication services supported by an ISDN and the means to describe them
28pp E 3902 F 3901 S 3903 15 CHF

I.211 (03/93) B-ISDN service aspects
13pp E 3802 F 3801 S 3803 11 CHF

Common aspects of services in the ISDN

I.220 (11/88) Common dynamic description of basic telecommunication services
Blue Book – Fascicle III.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.221 (03/93) Common specific characteristics of services
4pp E 3805 F 3804 S 3806 8 CHF

Bearer services supported by an ISDN

I.230 (11/88) Definition of bearer service categories
Blue Book – Fascicle III.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.231 Circuit-mode bearer service categories

I.231.1 (11/88) Circuit-mode bearer service categories: Circuit-mode 64 kbit/s unrestricted, 8 kHz structured bearer service
Blue Book – Fascicle III.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.231.2 (11/88) Circuit-mode bearer service categories: Circuit-mode 64 kbit/s, 8 kHz structured bearer service usable for speech information transfer
Blue Book – Fascicle III.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.231.3 (11/88) Circuit-mode bearer service
categories: Circuit-mode 64 kbit/s, 8 kHz structured
bearer service usable for 3.1 kHz audio information
transfer

Blue Book – Fascicle III.7 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

I.231.4 (11/88) Circuit-mode bearer service
categories: Circuit-mode, alternate speech / 64 kbit/s
unrestricted, 8 kHz structured bearer service

Blue Book – Fascicle III.7 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

I.231.5 (11/88) Circuit-mode bearer service
categories: Circuit-mode 2 × 64 kbit/s unrestricted,
8 kHz structured bearer service

Blue Book – Fascicle III.7 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

I.231.6 (07/96) Circuit-mode bearer service
categories: Circuit-mode 384 kbit/s unrestricted,
8 kHz structured bearer service

8pp E 9600 F 9607 S 9608 9 CHF

I.231.7 (07/96) Circuit-mode bearer service
categories: Circuit-mode 1536 kbit/s unrestricted,
8 kHz structured bearer service

8pp E 9609 F 9610 S 9611 9 CHF

I.231.8 (07/96) Circuit-mode bearer service
categories: Circuit-mode 1920 kbit/s unrestricted,
8 kHz structured bearer service

8pp E 9612 F 9613 S 9614 9 CHF

I.231.9 (03/93) Circuit-mode bearer service
categories: Circuit-mode 64 kbit/s 8 kHz structured
multi-use bearer service

6pp E 4180 F 4179 S 4181 8 CHF

I.231.10 (08/92) Circuit-mode bearer service
categories: Circuit-mode multiple-rate unrestricted
8 kHz structured bearer service

5pp E 2915 F 2911 S 2919 8 CHF

I.232 Packet-mode bearer services categories

I.232.1 (11/88) Packet-mode bearer services
categories: Virtual call and permanent virtual circuit
bearer service category

Blue Book – Fascicle III.7 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

I.232.2 (11/88) Packet-mode bearer services
categories: Connectionless bearer service category

Empty Recommendation Note – This connectionless bearer service category is a different concept from, and should not be confused with, the OSI Connectionless Mode Network Service. Thus, the name of this service may change as the service is better defined. Further aspects of this bearer service category are for further study.

This service has only been identified and requires further study

Blue Book – Fascicle III.7 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

I.232.3 (03/93) Packet-mode bearer services
categories: User signalling bearer service category
(USBS)

13pp E 4216 F 4215 S 4217 11 CHF

I.233 Frame mode bearer services

I.233.1-2 (10/91) Frame mode bearer services

1pp E 2597 F 2633 S 2664 20 CHF

I.233.1 Annex F (07/96) Frame mode bearer
services: Frame relay multicast

16pp E 7326 F 7327 S 7328 12 CHF

Teleservices supported by an ISDN

I.240 (11/88) Definition of teleservices

Blue Book – Fascicle III.7 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

I.241 Teleservices supported by an ISDN

I.241.1 (11/88) Teleservices supported by an ISDN:
Telephony

Blue Book – Fascicle III.7 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

I.241.2 (11/88) Teleservices supported by an ISDN:
Teletex

Blue Book – Fascicle III.7 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

I.241.3 (11/88) Teleservices supported by an ISDN:
Telefax 4

Blue Book – Fascicle III.7 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

I.241.4 (11/88) Teleservices supported by an ISDN:
Mixed mode
Blue Book – Fascicle III.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.241.5 (11/88) Teleservices supported by an ISDN:
Videotex
Blue Book – Fascicle III.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.241.6 (11/88) Teleservices supported by an ISDN:
Telex
Blue Book – Fascicle III.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.241.7 (03/93) Teleservices supported by an ISDN:
Telephony 7 kHz teleservice
5pp E 3868 F 3867 S 3869 8 CHF

I.241.8 (10/95) Teleservices supported by an ISDN:
Teleaction stage one service description
16pp E 6503 F 6504 S 6505 11 CHF

Supplementary services in ISDN

I.250 (11/88) Definition of supplementary services
Blue Book – Fascicle III.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.251 Number identification supplementary services

I.251.1 (08/92) Number identification supplementary services: Direct-dialling-In
4pp E 2831 F 2796 S 2866 8 CHF

I.251.2 (08/92) Number identification supplementary services: Multiple Subscriber Number
5pp E 2824 F 2789 S 2859 8 CHF

I.251.3 (08/92) Number identification supplementary services: Calling Line Identification Presentation
9pp E 2827 F 2792 S 2862 11 CHF

I.251.4 (08/92) Number identification supplementary services: Calling Line Identification Restriction
16pp E 2832 F 2797 S 2867 8 CHF

I.251.5 (02/95) Number identification supplementary services: Connected Line Identification Presentation (COLP)
7pp E 5900 F 5899 S 5901 11 CHF

I.251.6 (02/95) Number identification supplementary services: Connected Line Identification Restriction (COLR)
6pp E 5903 F 5902 S 5904 8 CHF

I.251.7 (08/92) Number identification supplementary services: Malicious call Identification
8pp E 2825 F 2790 S 2860 8 CHF

I.251.8 (08/92) Number identification supplementary services: Sub-addressing supplementary service
6pp E 2826 F 2791 S 2861 8 CHF

I.251.9 (07/96) Number identification supplementary services: Calling name identification presentation
16pp E 7397 F 7398 S 7399 12 CHF

I.251.10 (07/96) Number identification supplementary services: Calling name identification restriction
16pp E 7362 F 7363 S 7364 12 CHF

I.252 Call offering supplementary services

I.252.1 (11/88) Call offering supplementary services: Call Transfer
Blue Book – Fascicle III.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.252.2 (08/92) Call offering supplementary services: Call Forwarding Busy
15pp E 2895 F 2892 S 2898 11 CHF

I.252.3 (08/92) Call offering supplementary services: Call Forwarding No Reply
9pp E 2896 F 2893 S 2899 11 CHF

I.252.4 (08/92) Call offering supplementary services: Call Forwarding Unconditional
11pp E 2897 F 2894 S 2900 11 CHF

I.252.5 (08/92) Call offering supplementary services: Call Deflection
9pp E 2903 F 2901 S 2905 11 CHF

I.252.6 (11/88) Call offering supplementary services: Line Hunting (LH)
Blue Book – Fascicle III.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.252.7 (05/97) Call offering supplementary services: Explicit call transfer
16pp E 12144 F 12145 S 12146 12 CHF

I.253 Call completion supplementary services

I.253.1 (11/88) Call completion supplementary services: Call waiting (CW) supplementary service
12pp E 1896 F 1895 S 1897 10 CHF

I.253.2 (08/92) Call completion supplementary services: Call Hold

8pp E 2883 F 2875 S 2891 8 CHF

I.253.3 (07/96) Call completion supplementary services: Completion of calls to busy subscribers

28pp E 7424 F 7425 S 7426 17 CHF

I.253.4 (07/96) Call completion supplementary services: Completion of calls on no reply

24pp E 7400 F 7401 S 7402 17 CHF

I.254 Multiparty supplementary services

I.254.1 (11/88) Multiparty supplementary services: Conference calling (CONF)

Blue Book – Fascicle III.7 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

I.254.2 (08/92) Multiparty supplementary services: Three-Party Supplementary Service

10pp E 2904 F 2902 S 2906 11 CHF

I.254.5 (05/97) Multiparty supplementary services: Meet-me conference

12pp E 11988 F 11989 S 11990 12 CHF

I.255 Community of interest supplementary services

I.255.1 (08/92) Community of interest supplementary services: Closed User Group

14pp E 2916 F 2912 S 2920 11 CHF

I.255.2 (07/96) Community of interest supplementary services: Support of Private Numbering Plans

12pp E 7499 F 7500 S 7501 12 CHF

I.255.3 (07/90) Community of interest supplementary services: Multi-level precedence and preemption service (MLPP)

9pp E 1899 F 1898 S 1900 10 CHF

I.255.4 (07/90) Community of interest supplementary services: Priority service

6pp E 1902 F 1901 S 1903 7 CHF

I.255.5 (08/92) Community of interest supplementary services: Outgoing call barring

6pp E 2917 F 2913 S 2921 8 CHF

I.256 Charging supplementary services

I.256.1 (11/88) Charging supplementary services: Credit Card Calling (CRED)

Empty Recommendation. This subject has only been identified and is left for further study.

Blue Book – Fascicle III.7 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

I.256.2a (03/93) Charging supplementary services: Advice of charge: charging information at call set-up time (AOC-S)

9pp E 4207 F 4206 S 4208 11 CHF

I.256.2b (03/93) Charging supplementary services: Advice of charge: charging information during the call (AOC-D)

8pp E 4210 F 4209 S 4211 11 CHF

I.256.2c (03/93) Charging supplementary services: Advice of charge: charging information at the end of the call (AOC-E)

7pp E 4219 F 4218 S 4220 11 CHF

I.256.3 (08/92) Charging supplementary services: Reverse charging

10pp E 2986 F 2979 S 2993 11 CHF

I.257 Additional information transfer supplementary services

I.257.1 (10/95) Additional information transfer supplementary services: User-to-User Signalling (UUS)

20pp E 6518 F 6519 S 6520 15 CHF

I.258 Mobility and modification supplementary services

I.258.1 (10/95) Mobility and modification supplementary services: Terminal portability (TP)

12pp E 6612 F 6613 S 6614 11 CHF

I.258.2 (02/95) Mobility and modification supplementary services: In-call modification (IM)

12pp E 5906 F 5905 S 5907 11 CHF

I.259 Screening supplementary services

I.259.1 (07/96) Screening supplementary services: Address screening (ADS)

12pp E 7427 F 7428 S 7429 12 CHF

Overall network aspects and functions

Network functional principles

I.310 (03/93) ISDN – Network functional principles
18pp E 3874 F 3873 S 3875 15 CHF

I.311 (08/96) B-ISDN general network aspects
40pp E 11046 F 11047 S 11048 22 CHF

I.311 (1996) Amendment 1 (03/00)
4pp E 19320 F 19321 S 19322 9 CHF

I.312/Q.1201 (10/92) Principles of intelligent network architecture
This Recommendation is published with the double number Q.1201 and I.312
33pp E 3246 F 3245 S 3247 20 CHF

I.313 (09/97) B-ISDN network requirements
40pp E 12490 F 12491 S 12492 22 CHF

Reference models

I.320 (11/93) ISDN protocol reference model
15pp E 5175 F 5229 S 5264 11 CHF

I.321 (04/91) B-ISDN protocol reference model and its application
Covering note, May 2000: Erratum
7pp E 2054 F 2053 S 2055 10 CHF

I.322 (02/99) Generic protocol reference model for telecommunication networks
20pp E 15611 F 15612 S 15613 17 CHF

I.324 (10/91) ISDN network architecture
17pp E 2599 F 2628 S 2659 15 CHF

I.325 (03/93) Reference configurations for ISDN connection types
13pp E 3905 F 3904 S 3906 11 CHF

I.326 (03/03) Functional architecture of transport networks based on ATM
17pp E 23431 12 CHF

I.326 (11/88) Withdrawn (03.93)
Reference configuration for relative network resource requirements
Deleted after its content became technically out of date

I.327 (03/93) B-ISDN functional architecture
11pp E 3871 F 3870 S 3872 11 CHF

I.328/Q.1202 (09/97) Intelligent network – Service plane architecture

This Recommendation is published with the double number Q.1202 and I.328

24pp E 12967 F 12968 S 12969 17 CHF

I.329/Q.1203 (09/97) Intelligent network – Global functional plane architecture

This Recommendation is published with the double number Q.1203 and I.329. For more details see I.329

16pp E 12911 F 12912 S 12913 12 CHF

Numbering, addressing and routing

I.330 (11/88) ISDN numbering and addressing principles
Blue Book – Fascicle III.8 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.331 (05/97) The international public telecommunication numbering plan
This Recommendation is published under alias number E.164
24pp E 11877 F 11878 S 11879 17 CHF

I.333 (03/93) Terminal selection in ISDN
32pp E 4072 F 4071 S 4073 20 CHF

I.334 (11/88) Principles relating ISDN numbers/sub-addresses to the OSI reference model network layer addresses
Blue Book – Fascicle III.8 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.335 (11/88) Withdrawn (10.92)
ISDN routing principles
Superseded by ITU-T E.172 (1992)

Connection types

I.340 (11/88) ISDN connection types
Blue Book – Fascicle III.8 (see: List of Books in force)
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Performance objectives

I.350 (03/93) General aspects of quality of service and network performance in digital networks, including ISDNs
13pp E 3829 F 3828 S 3830 11 CHF

I.351/Y.801/Y.1501 (10/00) Relationships among ISDN, Internet protocol, and GII performance recommendations
24pp E 18937 F 18938 S 18939 17 CHF

I.352 (03/93) Network performance objectives for connection processing delays in an ISDN

19pp E 3877 F 3876 S 3878 15 CHF

I.353 (08/96) Reference events for defining ISDN and B-ISDN performance parameters

20pp E 10018 F 10019 S 10020 17 CHF

I.354 (03/93) Network performance objectives for packet-mode communication in an ISDN

9pp E 3637 F 3636 S 3638 11 CHF

I.355 (10/00) ISDN 64 kbit/s connection type availability performance

28pp E 19179 F 19180 S 19181 17 CHF

I.356 (03/00) B-ISDN ATM layer cell transfer performance

64pp E 19773 F 19774 S 19775 29 CHF

I.357 (11/00) B-ISDN semi-permanent connection availability

17pp E 19909 F 19910 S 19911 12 CHF

I.358 (06/98) Call processing performance for switched Virtual Channel Connections (VCCs) in a B-ISDN

36pp E 13920 F 13921 S 13922 22 CHF

I.359 (02/99) Accuracy and dependability of ISDN 64 kbit/s circuit-mode connection types

12pp E 15576 F 15577 S 15578 12 CHF

Protocol layer requirements

I.361 (02/99) B-ISDN ATM layer specification

40pp E 16113 F 16114 S 16115 22 CHF

I.362 (03/93) Withdrawn (06.97)

B-ISDN ATM adaptation layer (AAL) functional description

Deleted, since the service classes defined therein were no longer appropriate and were in conflict with F-Series Recommendations

I.363 B-ISDN ATM Adaptation Layer specification

I.363.1 (08/96) B-ISDN ATM Adaptation Layer specification: Type 1 AAL

44pp E 11626 F 11627 S 11628 22 CHF

I.363.2 (11/00) B-ISDN ATM Adaptation Layer specification: Type 2 AAL

60pp E 20401 F 20402 S 20403 29 CHF

I.363.3 (08/96) B-ISDN ATM Adaptation Layer specification: Type 3/4 AAL

56pp E 11170 F 11171 S 11172 29 CHF

I.363.5 (08/96) B-ISDN ATM Adaptation Layer specification: Type 5 AAL

48pp E 11192 F 11193 S 11194 22 CHF

I.364 (02/99) Support of the broadband connectionless data bearer service by the B-ISDN

84pp E 15886 F 15887 S 15888 39 CHF

I.365 B-ISDN ATM adaptation layer sublayers

I.365.1 (11/93) B-ISDN ATM adaptation layer sublayers: Frame relaying service specific convergence sublayer (FR-SSCS)

8pp E 5189 F 5237 S 5272 11 CHF

I.365.2 (11/95) B-ISDN ATM adaptation layer sublayers: Service-specific coordination function to provide the connection-oriented network service

104pp E 7281 F 7282 S 7284 44 CHF

I.365.3 (11/95) B-ISDN ATM adaptation layer sublayers: Service-specific coordination function to provide the connection-oriented transport service

84pp E 7160 F 7161 S 7162 39 CHF

I.365.4 (08/96) B-ISDN ATM adaptation layer sublayers: Service-specific convergence sublayer for HDLC applications

12pp E 11015 F 11016 S 11017 12 CHF

I.366.1 (06/98) Segmentation and Reassembly Service Specific Convergence Sublayer for the AAL type 2

36pp E 13820 F 13821 S 13822 22 CHF

I.366.2 (11/00) AAL type 2 service specific convergence sublayer for narrow-band services
116pp E 20196 F 20197 S 20198 49 CHF

I.366.2 (2000) Corrigendum 1 (03/02)

General network requirements and functions

I.370 (10/91) Congestion management for the ISDN frame relaying bearer service
10pp E 2354 F 2332 S 2376 12 CHF

I.371 (03/00) Traffic control and congestion control in B-ISDN
121pp E 19872 F 19873 S 19874 49 CHF

I.371.1 (11/00) Guaranteed frame rate ATM transfer capability
22pp E 20161 F 20162 S 20163 17 CHF

I.372 (03/93) Frame relaying bearer service network-to-network interface requirements
10pp E 3808 F 3807 S 3809 11 CHF

I.373 (03/93) Network capabilities to support universal personal telecommunication (UPT)
16pp E 3799 F 3798 S 3800 15 CHF

I.374 (03/93) Withdrawn (06.98)
Framework Recommendation on “network capabilities to support multimedia services”
Replaced by ITU-T I.375.1 and ITU-T I.375.2
7pp E 3820 F 3819 S 3821 11 CHF

I.375 Network capabilities to support multimedia services

I.375.1 (06/98) Network capabilities to support multimedia services: General aspects
16pp E 13488 F 13489 S 13490 12 CHF

I.375.2 (06/98) Network capabilities to support multimedia services: Example of multimedia retrieval service class – Video-on-demand service using an ATM based network
28pp E 13592 F 13593 S 13594 17 CHF

I.375.3 (03/00) Network capabilities to support multimedia services: Example of multimedia distribution service class – Switched digital broadcasting
12pp E 19442 F 19443 S 19444 12 CHF

I.376 (03/95) ISDN network capabilities for the support of the teleaction service
14pp E 5912 F 5911 S 5913 11 CHF

I.377 (10/00) Network requirements to support charging and accounting in B-ISDN
16pp E 18903 F 18904 S 18905 12 CHF

I.378 (12/02) Traffic control and congestion control at the ATM Adaptation Layer type 2
22pp E 23368 F 23369 S 23370 17 CHF

I.378 (08/03) New Appendix IV: Deriving AAL2 traffic parameters from AAL2 link characteristics

I.378 Amendment 1 (08/03) Amendment 1
4pp E 24048 9 CHF

I.381 (03/01) ATM Adaptation Layer (ALL) performance
28pp E 20625 F 20626 S 20627 17 CHF

ISDN user-network interfaces

I.410 (11/88) General aspects and principles relating to Recommendations on ISDN user-network interfaces
Blue Book – Fascicle III.8 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.411 (03/93) ISDN user-network interfaces – Reference configurations
7pp E 3880 F 3879 S 3881 11 CHF

I.412 (11/88) ISDN user-network interfaces – Interface structures and access capabilities
Blue Book – Fascicle III.8 (see: List of Books in force)
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I.413 (03/93) B-ISDN user-network interface
9pp E 3908 F 3907 S 3909 11 CHF

I.414 (09/97) Overview of Recommendations on Layer 1 for ISDN and B-ISDN customer accesses
20pp E 12493 F 12494 S 12495 17 CHF

Application of I-series Recommendations to ISDN user-network interfaces

I.420 (11/88) Basic user-network interface
Blue Book – Fascicle III.8 (see: List of Books in force)
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I.421 (11/88) Primary rate user-network interface
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Layer 1 Recommendations

I.430 (11/95) Basic user-network interface – Layer 1 specification

100pp E 6937 F 6938 S 6939 39 CHF

I.431 (03/93) Primary rate user-network interface – Layer 1 specification

39pp E 3950 F 3949 S 3951 20 CHF

I.431 (1993) Amendment 1 (06/97)

4pp E 11690 F 11691 S 11692 9 CHF

I.432 B-ISDN user-network interface – Physical layer specification

I.432.1 (02/99) B-ISDN user-network interface – Physical layer specification: General characteristics

20pp E 15573 F 15574 S 15575 17 CHF

I.432.2 (02/99) B-ISDN user-network interface – Physical layer specification: 155 520 kbit/s and 622 080 kbit/s operation

40pp E 16180 F 16181 S 16182 22 CHF

I.432.3 (02/99) B-ISDN user-network interface – Physical layer specification: 1544 kbit/s and 2048 kbit/s operation

16pp E 15470 F 15471 S 15472 12 CHF

I.432.4 (02/99) B-ISDN user-network interface – Physical layer specification: 51 840 kbit/s operation

20pp E 15455 F 15456 S 15457 17 CHF

I.432.5 (06/97) B-ISDN user-network interface – Physical layer specification: 25 600 kbit/s operation

28pp E 11729 F 11730 S 11731 17 CHF

Multiplexing, rate adaption and support of existing interfaces

I.460 (02/99) Multiplexing, rate adaption and support of existing interfaces

8pp E 14757 F 14758 S 14759 9 CHF

I.464 (02/99) Multiplexing, rate adaption and support of existing interfaces for restricted 64 kbit/s transfer capability

8pp E 14760 F 14761 S 14762 9 CHF

Aspects of ISDN affecting terminal requirements

I.470 (11/88) Relationship of terminal functions to ISDN

Blue Book – Fascicle III.8 (see: List of Books in force)

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I.480 (03/00) 1 + 1 protection switching for cell-based physical layer

16pp E 19692 F 19693 S 19694 12 CHF

Internetwork interfaces

I.500 (03/93) General structure of the ISDN interworking Recommendations

4pp E 3929 F 3928 S 3930 8 CHF

I.501 (03/93) Service interworking

8pp E 3781 F 3780 S 3782 11 CHF

I.510 (03/93) Definitions and general principles for ISDN interworking

12pp E 3911 F 3910 S 3912 11 CHF

I.511 (11/88) ISDN-to-ISDN layer 1 internetwork interface

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15pp E 4017 F 4016 S 4018 15 CHF

I.520 (03/93) General arrangements for network interworking between ISDNs

12pp E 3932 F 3931 S 3933 11 CHF

I.525 (08/96) Interworking between networks operating at bit rates less than 64 kbit/s with 64 kbit/s-based ISDN and B-ISDN

20pp E 11033 F 11034 S 11035 17 CHF

I.530 (03/93) Network interworking between an ISDN and a public switched telephone network (PSTN)

10pp E 3938 F 3937 S 3939 11 CHF

I.555 (09/97) Frame Relaying Bearer Service interworking

40pp E 12595 F 12596 S 12597 22 CHF

I.570 (03/93) Public/private ISDN interworking

7pp E 3763 F 3762 S 3764 11 CHF

I.571 (08/96) Connection of VSAT based private networks to the public ISDN

36pp E 10839 F 10840 S 10841 22 CHF

I.572 (03/00) VSAT interconnection with the PSTN

92pp E 19608 F 19609 S 19610 39 CHF

I.580 (11/95) General arrangements for interworking between B-ISDN and 64 kbit/s based ISDN
32pp E 6811 F 6812 S 6813 17 CHF

I.581 (09/97) General arrangements for B-ISDN interworking
16pp E 12522 F 12523 S 12524 12 CHF

Maintenance principles

I.601 (11/88) General maintenance principles of ISDN subscriber access and subscriber installation
Blue Book – Fascicle III.9 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

I.610 (02/99) B-ISDN operation and maintenance principles and functions
84pp E 16387 F 16388 S 16389 39 CHF

I.610 (1999) Corrigendum 1 (03/00)

I.610 (1999) Amendment 1 (03/00)
4pp E 19512 F 19513 S 19514 9 CHF

I.620 (10/96) Frame relay operation and maintenance principles and functions
12pp E 10827 F 10828 S 10829 12 CHF

I.630 (02/99) ATM protection switching
40pp E 16065 F 16066 S 16067 22 CHF

I.630 (1999) Corrigendum 1 (03/00)

I.630 (1999) Amendment 1 (03/00)
4pp E 19457 F 19458 S 19459 9 CHF

B-ISDN equipment aspects

ATM equipment

I.731 (10/00) Types and general characteristics of ATM equipment
42pp E 20012 F 20013 S 20014 22 CHF

I.732 (10/00) Functional characteristics of ATM equipment
254pp E 20090 F 20091 S 20092 96 CHF

Transport functions

I.741 (07/99) Interworking and interconnection between ATM and switched telephone networks for the transmission of speech, voiceband data and audio signals
44pp E 16470 F 16471 S 16472 22 CHF

Management of ATM equipment

I.751 (03/96) Asynchronous transfer mode management of the network element view
84pp E 7502 F 7503 S 7504 39 CHF

Multiplexing aspects

I.761 (03/00) Inverse multiplexing for ATM (IMA)
8pp E 19489 F 19490 S 19491 9 CHF

I.762 (03/00) ATM over fractional physical links
8pp E 19515 F 19516 S 19517 9 CHF

Supplements to the Series I Recommendations

Suppl. 1 (03/98) Generic service descriptions for ten supplementary services defined in I.250 – Series Recommendations
32pp E 13516 F 13517 S 13518 17 CHF

SERIES J

Cable networks and transmission of television, sound programme and other multimedia signals

General Recommendations

J.1 (09/99) Withdrawn (09.02)

Terms, definitions and acronyms applicable to the transmission of television and sound-programme signals and of related data signals

With the development of the ITU-T terms and definitions database available on the ITU-T web site, Recommendation J.1 and Supplement 4 to J series no longer serve a useful purpose

8pp E 17553 F 17554 S 17555 9 CHF

J.2 (09/99) Guidelines on the use of some ITU-T Recommendations in the J series

8pp E 17556 F 17557 S 17558 9 CHF

General specifications for analogue sound-programme transmission

J.11 (11/88) Hypothetical reference circuits for sound-programme transmissions

Formerly ITU-R Rec. CMTT 502-2

Blue Book – Fascicle III.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

J.12 (11/88) Types of sound-programme circuits established over the international telephone network
Blue Book – Fascicle III.6 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

J.13 (11/88) Definitions for international sound-programme circuits
Blue Book – Fascicle III.6 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

J.14 (11/88) Relative levels and impedances on an international sound-programme connection
Blue Book – Fascicle III.6 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

J.15 (11/88) Lining-up and monitoring an international sound-programme connection
Blue Book – Fascicle III.6 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

J.16 (11/88) Measurement of weighted noise in sound-programme circuits
Blue Book – Fascicle III.6 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

J.17 (11/88) Pre-emphasis used on sound-programme circuits
Blue Book – Fascicle III.6 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

J.18 (11/88) Crosstalk in sound-programme circuits set up on carrier systems
Blue Book – Fascicle III.6 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

J.19 (11/88) A conventional test signal simulating sound-programme signals for measuring interference in other channels
Formerly ITU-R Rec. CMTT 571-2
Blue Book – Fascicle III.6 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Performance characteristics of analogue sound-programme circuits

J.21 (08/94) Performance characteristics of 15 kHz-type sound-programme circuits – Circuits for high quality monophonic and stereophonic transmissions
Formerly ITU-R Rec. CMTT 505-5
8pp E 5570 F 5569 S 5571 11 CHF

J.22 (10/84) Withdrawn (03.93)
Performance characteristics of 10 kHz type sound-programme circuits
Deleted after its content became technically out of date

J.23 (11/88) Performance characteristics of 7 kHz type (narrow bandwidth) sound-programme circuits
Formerly ITU-R Rec. CMTT 503-4

Blue Book – Fascicle III.6 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

J.24 (02/82) Modulation of signals carried by sound-program circuits by interfering signals from power supply sources

Published as ITU-R Rec. CMTT 474-1 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11208 F 11208 S 11208 9 CHF

J.25 (05/86) Estimation of transmission performance of sound-programme circuits shorter or longer than the hypothetical reference circuit

Published as ITU-R Rec. CMTT 605-1 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11209 F 11209 S 11209 9 CHF

J.26 (06/90) Test signals to be used on international sound-programme connections

Published as ITU-R Rec. CMTT 645-1 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11210 F 11210 S 11210 9 CHF

J.27 (06/90) Signals for the alignment of international sound-programme connections

Published as ITU-R Rec. CMTT 661-1 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11211 F 11211 S 11211 9 CHF

Equipment and lines used for analogue sound-programme circuits

J.31 (11/88) Withdrawn (03.99)
Characteristics of equipment and lines used for setting up 15 kHz type sound-programme circuits

Deleted because no system or equipment have implemented it during the last two study periods

20pp E 11212 17 CHF

J.32 (10/84) Withdrawn (03.93)
Characteristics of equipment and lines used for setting up 10 kHz type sound-programme circuits

Deleted after its content became technically out of date

J.33 (11/88) Withdrawn (03.99)

Characteristics of equipment and lines used for setting up 6.4 kHz type sound-programme circuits

Deleted because no system or equipment have implemented it during the last two study periods

2pp E 11213 F 11213 S 11213 9 CHF

J.34 (11/88) Withdrawn (03.99)

Characteristics of equipment used for setting up 7 kHz type sound-programme circuits

Deleted because no system or equipment have implemented it during the last two study periods

3pp E 11214 F 11214 S 11214 9 CHF

Digital encoders for analogue sound-programme signals

J.41 (11/88) Characteristics of equipment for the coding of analogue high quality sound programme signals for transmission on 384 kbit/s channels

Blue Book – Fascicle III.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

J.42 (11/88) Characteristics of equipment for the coding of analogue medium quality sound-programme signals for transmission on 384-kbit/s channels

Blue Book – Fascicle III.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

J.43 (11/88) Withdrawn (03.99)

Characteristics of equipment for the coding of analogue high quality sound programme signals for transmission on 320 kbit/s channels

Deleted because no system or equipment have implemented it during the last two study periods

10pp E 11217 F 11217 S 11217 12 CHF

J.44 (11/88) Withdrawn (03.99)

Characteristics of equipment for the coding of analogue medium quality sound-programme signals for transmission on 320 kbit/s channels

Deleted because no system or equipment have implemented it during the last two study periods

4pp E 11218 F 11218 S 11218 9 CHF

Digital transmission of sound-programme signals

J.51 (08/94) General principles and user requirements for the digital transmission of high quality sound programmes

Formerly ITU-R Rec. CMTT 659-1

3pp E 5573 F 5572 S 5574 8 CHF

J.52 (07/96) Digital transmission of high-quality sound-programme signals using one, two or three 64 kbit/s channels per mono signal (and up to six per stereo signal)

32pp E 9827 F 9828 S 9829 17 CHF

J.52 (1996) Amendment 1 (09/99) New Appendix II – Extracts from EBU specification of an ISDN Codec capable of delivering high-quality audio

10pp E 17959 F 17960 S 17961 9 CHF

J.53 (05/00) Sampling frequency to be used for the digital transmission of high-quality sound-programme signals

8pp E 19776 F 19777 S 19778 9 CHF

J.54 (05/86) Transmission of analogue high-quality sound-programme signals on mixed analogue-and-digital circuits using 384 kbit/s channels

Published as ITU-R Rec. CMTT 660 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11220 F 11220 S 11220 9 CHF

J.55 (06/90) Digital transmission of high-quality sound-programme signals on distribution circuits using 480 kbit/s (496 kbit/s) per audio channel

Published as ITU-R Rec. CMTT 718 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11221 F 11221 S 11221 12 CHF

J.56 (06/90) Withdrawn (03.99)

Transmission of high-quality sound-programme analogue signals over mixed analogue/digital circuits at 320 kbit/s

Was published as ITU-R Rec. CMTT 719 in CCIR Recommendations, Volume XII, Düsseldorf, 1990. Deleted because no system or equipment have implemented it during the last two study periods

J.57 (06/90) Transmission of digital studio quality sound signals over H1 channels

Published as ITU-R Rec. CMTT 724 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

1pp E 11236 F 11236 S 11236 12 CHF

Circuits for analogue television transmission

J.61 (06/90) Transmission performance of television circuits designed for use in international connections

Published as ITU-R Rec. CMTT 567-3 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 13368 F 13368 S 13368 22 CHF

J.62 (02/78) Single value of the signal-to-noise ratio for all television systems

Published as ITU-R Rec. CMTT 568 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11237 F 11237 S 11237 9 CHF

J.63 (06/90) Insertion of test signals in the field-blanking interval of monochrome and colour television signals

Published as ITU-R Rec. CMTT 473-5 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 10596 F 10596 S 10596 12 CHF

J.64 (02/86) Definitions of parameters for simplified automatic measurement of television insertion test signals

Published as ITU-R Rec. CMTT 569-2 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11238 F 11238 S 11238 12 CHF

J.65 (02/78) Standard test signal for conventional loading of a television channel

Published as ITU-R Rec. CMTT 570 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11239 F 11239 S 11239 9 CHF

J.66 (02/78) Transmission of one sound programme associated with analogue television signal by means of time division multiplex in the line synchronizing pulse

Published as ITU-R Rec. CMTT 572 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11240 F 11240 S 11240 9 CHF

J.67 (03/01) Test signals and measurement techniques for transmission circuits carrying MAC/packet signals

30pp E 20609 F 20610 S 20611 17 CHF

J.68 (02/82) Hypothetical reference chain for television transmissions over very long distances

Published as ITU-R Rec. CMTT 603 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11241 F 11241 S 11241 9 CHF

Analogue television transmission over metallic lines and interconnection with radio-relay links

J.73 (11/88) Withdrawn (03.99)

Use of a 12-MHz system for the simultaneous transmission of telephony and television

Deleted because no system or equipment have implemented it during the last two study periods

3pp E 11242 F 11242 S 11242 9 CHF

J.74 (11/88) Withdrawn (03.99)

Methods for measuring the transmission characteristics of translating equipments

Deleted because no system or equipment have implemented it during the last two study periods

1pp E 11243 F 11243 S 11243 9 CHF

J.75 (11/88) Withdrawn (03.99)

Interconnection of systems for television transmission on coaxial pairs and on radio-relay links

Deleted because no system or equipment have implemented it during the last two study periods

1pp E 11244 F 11244 S 11244 9 CHF

J.77 (11/88) Withdrawn (03.99)

Characteristics of the television signals transmitted over 18 MHz and 60-MHz systems

Deleted because no system or equipment have implemented it during the last two study periods

1pp E 11245 F 11245 S 11245 9 CHF

Digital transmission of television signals

J.80 (09/93) Transmission of component-coded digital television signals for contribution-quality applications at bit rates near 140 Mbit/s

Formerly ITU-R Rec. CMTT 721-2

15pp E 5576 F 5575 S 5577 15 CHF

J.81 (09/93) Transmission of component-coded digital television signals for contribution-quality applications at the third hierarchical level of ITU-T Recommendation G.702

Formerly ITU-R Rec. CMTT.723-1

66pp E 5579 F 5578 S 5580 30 CHF

J.81 (1993) Amendment 1 (10/95) Appendix II to Annex A to Recommendation J.81 – Guidelines for implementation of a complete television codec

4pp E 6441 F 6442 S 6443 8 CHF

J.81 (1993) Corrigendum 1 (10/96)

J.81 (1993) Amendment 2 (03/98) Appendix IV to Annex A – Results of 34 Mbit/s codec interworking tests (February 1996)

8pp E 13519 F 13520 S 13521 9 CHF

J.82 (07/96) Transport of MPEG-2 constant bit rate television signals in B-ISDN

8pp E 7403 F 7404 S 7405 9 CHF

J.83 (04/97) Digital multi-programme systems for television, sound and data services for cable distribution

Covering note, 3.08.1998: Corrigendum

64pp E 11880 F 11881 S 11882 29 CHF

J.84 (03/01) Distribution of digital multi-programme signals for television, sound and data services through SMATV networks

34pp E 20593 F 20594 S 20595 17 CHF

J.85 (06/90) Digital television transmission over long distances – General principles

Published as ITU-R Rec. CMTT 604-2 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11246 F 11246 S 11246 9 CHF

J.86 (06/90) Mixed analogue-and-digital transmission of analogue composite television signals over long distances

Published as ITU-R Rec. CMTT 658-1 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11247 F 11247 S 11247 9 CHF

J.87 (03/01) Use of hybrid cable television links for the secondary distribution of television into the user's premises

18pp E 20425 F 20426 S 20427 12 CHF

J.88 (09/99) Transmission of enhanced definition television signals over digital links

56pp E 18058 F 18059 S 18060 29 CHF

J.89 (09/99) Transport mechanism for component-coded digital television signals using MPEG-2 4:2:2 P@ML including all service elements for contribution and primary distribution

20pp E 17697 F 17698 S 17699 17 CHF

Ancillary digital services for television transmission

J.90 (05/00) Electronic programme guides for delivery by digital cable television and similar methods

12pp E 19695 F 19696 S 19697 12 CHF

J.91 (08/94) Technical methods for ensuring privacy in long-distance international television transmission

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J.94 (11/98) Service information for digital broadcasting in cable television systems

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J.94 (1998) Amendment 1 (10/00) Service information delivered out of band for digital cable television systems

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J.94 (1998) Amendment 2 (03/01) Additions to Annex C – Service information for digital multi-programme System C

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J.95 (09/99) Copy protection of intellectual property for content delivered on cable television systems

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Operational requirements and methods for television transmission

J.100 (06/90) Tolerances for transmission time differences between the vision and sound components of a television signal

Published as ITU-R Rec. CMTT 717 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

E 11248 F 11248 S 11248 9 CHF

J.101 (06/90) Measurement methods and test procedures for teletext signals

Published as ITU-R Rec. CMTT 720 in CCIR Recommendations, Volume XII, Düsseldorf, 1990

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Interactive systems for digital television distribution

J.110 (04/97) Basic principles for a worldwide common family of systems for the provision of interactive television services
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J.111 (03/98) Network independent protocols for interactive systems
Guidelines for the implementation of Rec. J.111 may be found in Supplement 3 to J series (1998).
16pp E 13568 F 13569 S 13570 12 CHF

J.112 (03/98) Transmission systems for interactive cable television services
Example of linking options between annexes of Rec. J.112 and annexes of Rec. J.83 may be found in Supplement 1 to J series (1998). Guidelines for the implementation of annex A of Rec. J.112 may be found in Supplement 2 to J series (1998).
256pp E 14338 F 14339 S 14340 96 CHF

J.112 Annex A (03/01) Digital video broadcasting: DVB interaction channel for cable TV distribution systems
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J.112 Annex B (03/01) Data-over-cable service interface specifications: Radio frequency interface specification
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J.112 Annex B (2001) Amendment 1 (02/02) Data-over-cable service interface specifications: Radio-frequency interface specification
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J.112 Annex C (02/02) Data-over-cable service interface specifications: Radio-frequency interface specification using QAM technique
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J.148 (05/03) Requirements for an objective perceptual multimedia quality model

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Digital television distribution through local subscriber networks

J.150 (03/98) Operational functionalities for the delivery of digital multiprogramme television, sound and data services through multichannel, multipoint distribution systems (MMDS)

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J.150 (1998) Amendment 1 (09/99) Additions to Recommendation J.150 to also encompass local multipoint distribution systems (LMDS)

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J.150 (1998) Amendment 2 (03/01) Operational functionalities for the delivery of digital multiprogramme television, sound and data services through multichannel, multipoint distribution systems (MMDS)

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J.151 (10/00) RF remodulator interface for digital television

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J.160 (02/02) Architectural framework for the delivery of time-critical services over cable television networks using cable modems

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J.161 (03/01) Audio codec requirements for the provision of bidirectional audio service over cable television networks using cable modems

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J.163 (03/01) Dynamic quality of service for the provision of real time services over cable television networks using cable modems

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J.164 (03/01) Event message requirements for the support of real-time services over cable television networks using cable modems

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J.165 (05/03) IPCablecom Internet signalling transport protocol

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J.166 (03/01) IPCablecom management information base (MIB) framework

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J.167 (03/01) Media Terminal Adapter (MTA) device provisioning requirements for the delivery of real time services over cable television networks using cable modems

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J.168 (03/01) IPCablecom media terminal adapter (MTA) MIB requirements

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J.169 (03/01) IPCablecom network call signalling (NCS) MIB requirements
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J.172 (02/02) IPCablecom management event mechanism
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J.182 (03/01) Parameter sets for analogue interface specifications for the interconnection of set-top-boxes and presentation devices in the home
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J.183 (03/01) Time division multiplexing of multiple MPEG-2 transport streams over cable television systems
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J.184 (03/01) Digital broadband delivery system: Out-of-band transport
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J.186 (02/02) Transmission equipment for multi-channel television signals over optical access networks by sub-carrier multiplexing (SCM)
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J.187 (07/02) Transport mechanism for component-coded digital high-definition television signals using MPEG-2 video coding including all service elements for contribution and primary distribution
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J.187 (2002) Corrigendum 1 (04/03)

J.188 (07/02) A framework for an efficient parallel video transmission system including codecs with functions of failure detection and picture quality evaluation
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J.189 (07/02) Seamless splicing for MPEG-2 bit streams
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J.189 (2002) Corrigendum 1 (04/03)

J.190 (07/02) Architecture of MediaHomeNet that supports cable based services
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Application for Interactive Digital Television

J.200 (03/01) Worldwide common core –
Application environment for digital interactive
television services

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J.202 (05/03) Harmonization of precedural content
formats for interactive TV applications

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Supplements to the Series J Recommendations

Suppl. 1 (11/98) Example of linking options
between annexes of ITU-T Recommendation J.112
and annexes of ITU-T Recommendation J.83

8pp E 15602 F 15603 S 15604 12 CHF

Suppl. 2 (11/98) Guidelines for the implementation
of Annex A of Recommendation J.112,
“Transmission systems for interactive cable
television services” – Example of Digital Video
Broadcasting (DVB) interaction channel for cable
television distribution

28pp E 15645 F 15646 S 15647 17 CHF

Suppl. 3 (11/98) Guidelines for the implementation
of Recommendation J.111 “Network independent
protocols” – Example of Digital Video Broadcasting
(DVB) systems for interactive services

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Suppl. 5 (09/99) Guidelines on the use of some
ITU-T Recommendations in the J series

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SERIES K

Protection against interference

K.1 (11/88) Withdrawn (10.96)

Connection to earth of an audio-frequency telephone
line in cable

Deleted after its content became technically out of date

K.2 (11/88) Withdrawn (10.96)

Protection of repeater power-feeding systems against
interference from neighbouring electricity lines

Deleted after its content became technically out of date

K.3 (11/88) Withdrawn (10.96)

Interference caused by audio-frequency signals
injected into a power distribution network

Deleted after its content became technically out of date

K.4 (11/88) Withdrawn (10.96)

Disturbance to signalling

Deleted after its content became technically out of date

K.5 (11/88) Joint use of poles for electricity
distribution and for telecommunications

Blue Book – Fascicle IX (see: List of Books in force)

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K.6 (11/88) Precautions at crossings

Blue Book – Fascicle IX (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

K.7 (11/88) Protection against acoustic shock

Blue Book – Fascicle IX (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

K.8 (11/88) Separation in the soil between
telecommunication cables and earthing system of
power facilities

Blue Book – Fascicle IX (see: List of Books in force)

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K.9 (11/88) Protection of telecommunication staff
and plant against a large earth potential due to a
neighbouring electric traction line

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K.10 (10/96) Low frequency interference due to
unbalance about earth of telecommunication
equipment

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K.11 (10/93) Principles of protection against
overvoltages and overcurrents

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for the protection of telecommunications installations

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K.13 (11/88) Induced voltages in cables with plastic-
insulated conductors

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K.14 (11/88) Provision of a metallic screen in
plastic-sheathed cables

Blue Book – Fascicle IX (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

K.15 (11/88) Protection of remote-feeding systems and line repeaters against lightning and interference from neighbouring electricity lines
Blue Book – Fascicle IX (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

K.16 (11/88) Withdrawn (09.01)
Simplified calculation method for estimating the effect of magnetic induction from power lines on remote-fed repeaters in coaxial pair telecommunication systems
Rec. K.16 was withdrawn because it deals only with calculation methods contained in the "Directives – Volume II: Calculating induced voltages and currents in practical cases" without giving any limit
22pp E 12696 F 12696 S 12696 20 CHF

K.17 (11/88) Tests on power-fed repeaters using solid-state devices in order to check the arrangements for protection from external interference
Blue Book – Fascicle IX (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

K.18 (11/88) Calculation of voltage induced into telecommunication lines from radio station broadcasts and methods of reducing interference
Blue Book – Fascicle IX (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

K.19 (11/88) Joint use of trenches and tunnels for telecommunication and power cables
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K.20 (07/03) Resistibility of telecommunication equipment installed in a telecommunications centre to overvoltages and overcurrents
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K.21 (07/03) Resistibility of telecommunication equipment installed in customer premises to overvoltages and overcurrents
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K.22 (05/95) Overvoltage resistibility of equipment connected to an ISDN T/S bus
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K.23 (11/88) Types of induced noise and description of noise voltage parameters for ISDN basic user networks
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Individually through the Electronic Bookshop: 20 CHF

K.24 (11/88) Method for measuring radio-frequency induced noise on telecommunications pairs
Blue Book – Fascicle IX (see: List of Books in force)
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K.25 (02/00) Protection of optical fibre cables
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K.26 (11/88) Protection of telecommunication lines against harmful effects from electric power and electrified railway lines
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K.27 (05/96) Bonding configurations and earthing inside a telecommunication building
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K.28 (03/93) Characteristics of semi-conductor arrester assemblies for the protection of telecommunications installations
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K.29 (01/92) Coordinated protection schemes for telecommunication cables below ground
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K.30 (03/93) Positive temperature coefficient (PTc) thermistors
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K.31 (03/93) Bonding configurations and earthing of telecommunication installations inside a subscriber's building
7pp E 4698 F 4697 S 4699 11 CHF

K.32 (05/95) Withdrawn (06.00)
Immunity requirements and test methods for electrostatic discharge to telecommunication equipment – Generic EMC Recommendation
The content of this Recommendation has been superseded by ITU-T K.43 (1998) and K.48 (2000)
8pp E 6347 F 6348 S 6349 8 CHF

K.33 (10/96) Limits for people safety related to coupling into telecommunications system from a.c. electric power and a.c. electrified railway installations in fault conditions
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| K.36 (05/96) Selection of protective devices 12pp E 7365 F 7366 S 7367 12 CHF | K.48 (07/03) EMC requirements for each telecommunication equipment – Product family Recommendation 48pp E 24004 22 CHF |
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- K.57 (09/03)** Protection measures for radio base stations sited on power line towers
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- K.58 (07/03)** EMC, resistibility and safety requirements and procedures for co-located telecommunication installations
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Construction, installation and protection of cables and other elements of outside plant

- L.1 (11/88)** Construction, installation and protection of telecommunication cables in public networks
Blue Book – Fascicle IX (see: List of Books in force)
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- L.2 (11/88)** Impregnation of wooden poles
Blue Book – Fascicle IX (see: List of Books in force)
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- L.3 (11/88)** Armouring of cables
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- L.4 (11/88)** Aluminium cable sheaths
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- L.5 (11/88)** Cable sheaths made of metals other than lead or aluminium
Blue Book – Fascicle IX (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- L.6 (11/88)** Methods of keeping cables under gas pressure
The electronic copy of this Recommendation is freely available on ITU website
Blue Book – Fascicle IX (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- L.7 (11/88)** Application of joint cathodic protection
Blue Book – Fascicle IX (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- L.8 (11/88)** Corrosion caused by alternating current
Blue Book – Fascicle IX (see: List of Books in force)
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- L.9 (11/88)** Methods of terminating metallic cable conductors
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- L.10 (12/02)** Optical fibre cables for duct and tunnel application
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- L.11 (11/88)** Joint use of tunnels by pipelines and telecommunication cables, and the standardization of underground duct plans
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- L.12 (05/00)** Optical fibre joints
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- L.13 (04/03)** Performance requirements for passive optical nodes: sealed closures for outdoor environments
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- L.14 (07/92)** Measurement method to determine the tensile performance of optical fibre cables under load
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- L.15 (03/93)** Optical local distribution networks – Factors to be considered for their construction
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88pp E 16138 F 16139 S 16140 39 CHF

M.3108.1 (1999) Corrigendum 1 (01/01)

M.3108.2 (02/00) TMN management services for dedicated and reconfigurable circuits network: Information model for connection management of preprovisioned service link connections to form a reconfigurable leased service

48pp E 19114 F 19115 S 19116 22 CHF

M.3108.3 (01/01) TMN management services for dedicated and reconfigurable circuits network: Information model for management of virtual private network service

20pp E 20488 F 20489 S 20490 12 CHF

M.3120 (10/01) CORBA generic network and network element level information model

24pp E 22073 F 22074 S 22075 67 CHF

M.3120 (2001) Amendment 1 (05/02) Protection Switching

34pp E 22414 F 22415 S 22416 17 CHF

M.3120 (2001) Amendment 2 (03/03)

26pp E 23897 F 23898 S 23899 17 CHF

M.3180 (10/92) Catalogue of TMN management information

16pp E 3561 F 3560 S 3562 15 CHF

M.3200 (04/97) TMN management services and telecommunications managed areas: overview

28pp E 11704 F 11705 S 11706 17 CHF

M.3207.1 (05/96) TMN management service: maintenance aspects of B-ISDN management

12pp E 7433 F 7434 S 7435 12 CHF

M.3208 TMN management services for dedicated and reconfigurable circuits network

M.3208.1 (10/97) TMN management services for dedicated and reconfigurable circuits network: Leased circuit services

92pp E 12556 F 12557 S 12558 39 CHF

M.3208.1 (1997) Corrigendum 1 (02/00)

M.3208.2 (03/99) TMN management services for dedicated and reconfigurable circuits network: Connection management of pre-provisioned service link connections to form a leased circuit service

40pp E 15958 F 15959 S 15960 22 CHF

M.3208.2 (1999) Corrigendum 1 (01/01)

M.3208.3 (02/00) TMN management services for dedicated and reconfigurable circuits network: Virtual private network

36pp E 19436 F 19437 S 19438 22 CHF

M.3210.1 (01/01) TMN management services for IMT-2000 security management

30pp E 20392 F 20393 S 20394 17 CHF

- M.3211.1 (05/96)** TMN management service: Fault and performance management of the ISDN access
8pp E 7234 F 7236 S 7237 9 CHF
- M.3300 (06/98)** TMN F interface requirements
28pp E 13967 F 13968 S 13969 17 CHF
- M.3320 (04/97)** Management requirements framework for the TMN X-Interface
32pp E 11811 F 11812 S 11813 17 CHF
- M.3400 (02/00)** TMN Management Functions
108pp E 19730 F 19731 S 19732 44 CHF

Integrated services digital networks

- M.3600 (10/92)** Principles for the management of ISDNs
20pp E 3540 F 3539 S 3541 15 CHF
- M.3602 (10/92)** Application of maintenance principles to ISDN subscriber installations
8pp E 3537 F 3536 S 3538 8 CHF
- M.3603 (10/92)** Application of maintenance principles to ISDN basic rate access
8pp E 3474 F 3473 S 3475 8 CHF
- M.3604 (10/92)** Application of maintenance principles to ISDN primary rate access
17pp E 3525 F 3524 S 3526 15 CHF
- M.3605 (10/92)** Application of maintenance principles to static multiplexed ISDN basic rate access
5pp E 3477 F 3476 S 3478 8 CHF
- M.3610 (05/96)** Principles for applying the TMN concept to the management of B-ISDN
16pp E 7338 F 7339 S 7340 12 CHF
- M.3611 (04/97)** Test management of the B-ISDN ATM layer using the TMN
52pp E 12040 F 12041 S 12042 29 CHF
- M.3620 (10/92)** Principles for the use of ISDN test calls, systems and responders
4pp E 3414 F 3413 S 3415 8 CHF
- M.3621 (07/95)** Integrated management of the ISDN customer access
7pp E 6263 F 6264 S 6265 11 CHF
- M.3640 (10/92)** Management of the D-channel – Data link layer and network layer
21pp E 3619 F 3618 S 3620 15 CHF

- M.3641 (10/94)** Management information model for the management of the data link and network layer of the ISDN D-channel
30pp E 6025 F 6024 S 6026 20 CHF
- M.3650 (04/97)** Network performance measurements of ISDN calls
84pp E 11889 F 11890 S 11891 39 CHF
- M.3660 (10/92)** ISDN interface management services
5pp E 3522 F 3521 S 3523 8 CHF

Common channel signalling systems

- M.4010 (10/92)** Inter-Administration agreements on common channel Signalling System No. 6
5pp E 3398 F 3397 S 3399 8 CHF
- M.4030 (10/92)** Transmission characteristics for setting up and lining up a transfer link for common channel Signalling System No. 6 (analogue version)
5pp E 3531 F 3530 S 3532 8 CHF
- M.4100 (05/96)** Maintenance of common channel Signalling System No. 7
12pp E 7238 F 7239 S 7240 12 CHF
- M.4110 (05/96)** Inter-Administration agreements on common channel Signalling System No. 7
8pp E 7241 F 7242 S 7243 9 CHF

SERIES N

Maintenance: international sound programme and television transmission circuits

International sound-programme transmission

- N.1 (03/93)** Definitions for application to international sound-programme and television-sound transmission
8pp E 5169 F 5225 S 5260 11 CHF
- N.2 (11/88)** Different types of sound-programme circuit
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

- N.3 (11/88)** Control circuits
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.4 (11/88)** Definition and duration of the line-up period and the preparatory period
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.5 (11/88)** Sound-programme control, sub-control and send reference stations
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.10 (03/93)** Limits for the lining-up of international sound-programme links and connections
6pp E 4038 F 4037 S 4039 8 CHF
- N.11 (11/88)** Essential transmission performance objectives for international sound-programme centres (ISPC)
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.12 (11/88)** Measurements to be made during the line-up period that precedes a sound-programme transmission
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.13 (11/88)** Measurements to be made by the broadcasting organizations during the preparatory period
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.15 (11/88)** Maximum permissible power during an international sound-programme transmission
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.16 (11/88)** Identification signal
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.17 (11/88)** Monitoring the transmission
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.18 (11/88)** Monitoring for charging purposes, releasing
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.21 (11/88)** Limits and procedures for the lining-up of a sound-programme circuit
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.23 (11/88)** Maintenance measurements to be made on international sound-programme circuits
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

International television transmission

- N.51 (11/88)** Definitions for application to international television transmissions
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.52 (11/88)** Multiple destination television transmissions and coordination centres
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.54 (11/88)** Definition and duration of the line-up period and the preparatory period
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.55 (03/93)** Organization, responsibilities and functions of control and sub-control international television centres and control and sub-control stations for international television connections, links, circuits and circuit sections
7pp E 4937 F 4936 S 4938 11 CHF
- N.60 (03/93)** Nominal amplitude of video signals at video interconnection points
3pp E 4237 F 4236 S 4238 8 CHF
- N.61 (11/88)** Measurements to be made before the line-up period that precedes a television transmission
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.62 (03/93)** Tests to be made during the line-up period that precedes a television transmission
5pp E 4240 F 4239 S 4241 8 CHF
- N.63 (11/88)** Test signals to be used by the broadcasting organizations during the preparatory period
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.64 (11/88)** Quality and impairment assessment
Blue Book – Fascicle IV.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- N.67 (03/93)** Monitoring television transmissions – Use of the field blanking interval
12pp E 4284 F 4283 S 4285 11 CHF

N.73 (11/88) Maintenance of permanent international television circuits, links and connections

Blue Book – Fascicle IV.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

International videoconference transmission

N.81 (11/88) Withdrawn (03.99)

Definition for application to international videoconference transmissions

This subject had only been identified and was left for further study. Then it was abandoned and the empty Recommendation was deleted

N.86 (03/93) Withdrawn (03.99)

Line-up and service commissioning of international videoconference systems operating at transmission bit rates of 1544 and 2048 kbit/s

Deleted because no system or equipment have implemented it during the last two study periods

7pp E 4234 F 4233 S 4235 11 CHF

N.90 (03/93) Withdrawn (03.99)

Maintenance of international videoconference systems operating at transmission bit rates of 1544 and 2048 kbit/s

Deleted because no system or equipment have implemented it during the last two study periods

4pp E 4204 F 4203 S 4205 8 CHF

SERIES O

Specifications of measuring equipment

General

O.1 (02/00) Scope and application of measurement equipment specifications covered in the O-series Recommendations

32pp E 19819 F 19820 S 19821 17 CHF

O.3 (10/92) Climatic conditions and relevant tests for measuring equipment

4pp E 3453 F 3452 S 3454 8 CHF

O.6 (11/88) 1020 Hz reference test frequency

Blue Book – Fascicle IV.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

O.9 (03/99) Measuring arrangements to assess the degree of unbalance about earth

20pp E 16144 F 16145 S 16146 17 CHF

Maintenance access

O.11 (10/92) Maintenance access lines

7pp E 3392 F 3391 S 3393 8 CHF

Automatic and semi-automatic measuring systems

O.22 (10/92) CCITT automatic transmission measuring and signalling testing equipment ATME No. 2

32pp E 3613 F 3612 S 3614 15 CHF

O.25 (11/88) Withdrawn (03.93)

Semiautomatic in-circuit echo suppressor testing system (ESTS)

Deleted after its content became technically out of date

O.27 (11/88) In-station echo canceller test equipment

Blue Book – Fascicle IV.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

O.31 (11/88) Withdrawn (03.93)

Automatic measuring equipment for sound-programme circuits

Deleted after its content became technically out of date

O.32 (11/88) Withdrawn (03.93)

Automatic measuring equipment for stereophonic pairs of sound-programme circuits

Deleted after its content became technically out of date

O.33 (07/95) Automatic equipment for rapidly measuring stereophonic pairs and monophonic sound-programme circuits, links and connections

12pp E 6175 F 6174 S 6176 11 CHF

Equipment for the measurement of analogue parameters

O.41 (10/94) Psophometer for use on telephone-type circuits

This Recommendation is also included but not published in P series under alias number P.53

13pp E 5921 F 5920 S 5922 11 CHF

O.42 (11/88) Equipment to measure non-linear distortion using the 4-tone intermodulation method
 Blue Book – Fascicle IV.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

O.51 (11/88) Withdrawn (09.03)
 Volume meters
O.51 was an alias name of ITU-T P.52. Only this alias name was suppressed. ITU-T P.52 remains valid

O.61 (11/88) Simple equipment to measure interruptions on telephone-type circuits
 Blue Book – Fascicle IV.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

O.62 (11/88) Sophisticated equipment to measure interruptions on telephone-type circuits
 Blue Book – Fascicle IV.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

O.71 (11/88) Impulsive noise measuring equipment for telephone-type circuits
This Recommendation is also included but not published in V series under alias number V.55
 Blue Book – Fascicle IV.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

O.72 (10/84) Characteristics of an impulsive noise measuring instrument for wideband data transmissions
This Recommendation is published under alias number H.16.

O.81 (11/88) Group-delay measuring equipment for telephone-type circuits
 Blue Book – Fascicle IV.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

O.81 Appendix I (06/98) A measuring signal (multitone test signal) for fast measurement of amplitude and phase for telephone type circuits
Covering note, May 2000: Erratum
Formerly published as Supplement 3.7 in the Blue Book (1988), Fascicle IV.4, and then renumbered on 26 June 1998 as Appendix I to ITU-T O.81 without further modification.
 8pp E 17234 F 17235 S 17236 9 CHF

O.82 (11/88) Group-delay measuring equipment for the range 5 to 600 kHz
 Blue Book – Fascicle IV.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

O.91 (11/88) Phase jitter measuring equipment for telephone-type circuits
 Blue Book – Fascicle IV.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

O.95 (11/88) Phase and amplitude hit counters for telephone-type circuits
 Blue Book – Fascicle IV.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

O.111 (11/88) Frequency shift measuring equipment for use on carrier channels
 Blue Book – Fascicle IV.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Equipment for the measurement of digital and analogue/digital parameters

O.131 (11/88) Quantizing distortion measuring equipment using a pseudo-random noise test signal
 Blue Book – Fascicle IV.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

O.132 (11/88) Quantizing distortion measuring equipment using a sinusoidal test signal
 Blue Book – Fascicle IV.4 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

O.133 (03/93) Equipment for measuring the performance of PCM encoders and decoders
 26pp E 5062 F 5061 S 5063 15 CHF

O.150 (05/96) General requirements for instrumentation for performance measurements on digital transmission equipment
 20pp E 9625 F 9626 S 9627 17 CHF

O.150 (1996) Corrigendum 1 (05/02)

O.151 (10/92) Error performance measuring equipment operating at the primary rate and above
 5pp E 3417 F 3416 S 3418 8 CHF

O.151 (1992) Corrigendum 1 (05/02)

O.152 (10/92) Error performance measuring equipment for bit rates of 64 kbit/s and N x 64 kbit/s
 4pp E 3360 F 3359 S 3361 8 CHF

O.153 (10/92) Basic parameters for the measurement of error performance at bit rates below the primary rate
 6pp E 3363 F 3362 S 3364 8 CHF

O.161 (11/88) In-service code violation monitors for digital systems

Blue Book – Fascicle IV.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

O.162 (10/92) Equipment to perform in-service monitoring on 2048, 8448, 34 368 and 139 264 kbit/s signals

7pp E 3546 F 3545 S 3547 8 CHF

O.163 (11/88) Equipment to perform in-service monitoring on 1544 kbit/s signals

Blue Book – Fascicle IV.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

O.171 (04/97) Timing jitter and wander measuring equipment for digital systems which are based on the plesiochronous digital hierarchy (PDH)

32pp E 11780 F 11781 S 11782 17 CHF

O.172 (03/01) Jitter and wander measuring equipment for digital systems which are based on the synchronous digital hierarchy (SDH)

52pp E 20616 F 20617 S 20618 22 CHF

O.172 (2001) Amendment 1 (03/03) Jitter and wander measuring equipment for digital systems which are based on the synchronous digital hierarchy (SDH) Amendment 1

16pp E 23968 F 23969 S 23970 12 CHF

O.173 (03/03) Jitter measuring equipment for digital systems which are based on the Optical Transport Network (OTN)

16pp E 23922 F 23923 S 23924 12 CHF

O.181 (05/02) Equipment to assess error performance on STM-N interfaces

44pp E 22354 F 22355 S 22356 22 CHF

O.191 (02/00) Equipment to measure the cell transfer performance of ATM connections

72pp E 18055 F 18056 S 18057 34 CHF

Equipment for the measurement of optical channel parameters

O.201 (07/03) Q-factor test equipment to estimate the transmission performance of optical channels

25pp E 24009 17 CHF

SERIES P

Telephone transmission quality, telephone installations, local line networks

Vocabulary and effects of transmission parameters on customer opinion of transmission quality

P.10 (12/98) Vocabulary of terms on telephone transmission quality and telephone sets

36pp E 15511 F 15512 S 15513 22 CHF

P.11 (03/93) Effect of transmission impairments

32pp E 4955 F 4954 S 4956 15 CHF

P.16 (11/88) Subjective effects of direct crosstalk; thresholds of audibility and intelligibility

Blue Book – Fascicle V (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Subscribers' lines and sets

P.32 (11/88) Evaluation of the efficiency of telephone booths and acoustic hoods

Blue Book – Fascicle V (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

P.33 (11/88) Withdrawn (09/97)

Subscriber telephone sets containing either loudspeaking receivers or microphones associated with amplifiers

Deleted after the relevant information contained in this Recommendation was incorporated in new ITU-T P.340

P.38 (03/93) Transmission characteristics of operator telephone systems (OTS)

2pp E 4314 F 4313 S 4315 8 CHF

Transmission standards

P.48 (11/88) Specification for an intermediate reference system

Blue Book – Fascicle V (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Objective measuring apparatus

P.50 (09/99) Artificial voices

Covering note, May 2000: Erratum

20pp E 17581 F 17582 S 17583 17 CHF

P.50 Appendix I (02/98) Test signals

This Appendix includes one CD-ROM containing the speech database for telephonometry applications.

Not available through Electronic Bookshop

To purchase, please contact Sales@itu.int

P.51 (08/96) Artificial mouth
12pp E 9874 F 9875 S 9876 12 CHF

P.52 (03/93) Volume meters
3pp E 4275 F 4274 S 4276 8 CHF

P.53 (10/94) Psophometer for use on telephone-type circuits

This Recommendation is published under alias number O.41

P.54 (11/88) Sound level meters (apparatus for the objective measurement of room noise)

Blue Book – Fascicle V (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

P.55 (11/88) Apparatus for the measurement of impulsive noise

Blue Book – Fascicle V (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

P.56 (03/93) Objective measurement of active speech level

Corresponding ANSI-C code is available in the SV56 module of the ITU-T G.191 Software Tools Library

12pp E 4704 F 4703 S 4705 11 CHF

P.57 (07/02) Artificial ears
32pp E 23108 F 23109 S 23110 17 CHF

P.58 (08/96) Head and torso simulator for telephonometry
36pp E 9654 F 9655 S 9656 22 CHF

P.59 (03/93) Artificial conversational speech
4pp E 4584 F 4583 S 4585 8 CHF

Objective electro-acoustical measurements

P.61 (11/88) Methods for the calibration of condenser microphones

Blue Book – Fascicle V (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

P.62 (03/93) Withdrawn (06.98)

Measurements on subscribers' telephone equipment

P.62 is out of date and was deleted. The relevant text therein will be transferred to ITU-T P.35 during its revision

2pp E 4278 F 4277 S 4279 8 CHF

P.63 (11/88) Withdrawn (09.97)

Methods for the evaluation of transmission quality on the basis of objective measurements

As this Recommendation didn't contain technical description, but only references to other out of date Recommendations and Supplements, it became obsolete and was deleted

P.64 (09/99) Determination of sensitivity/frequency characteristics of local telephone systems

Covering note, May 2000: Erratum

28pp E 17464 F 17465 S 17466 17 CHF

P.65 (03/93) Withdrawn (06.98)

Objective instrumentation for the determination of loudness ratings

P.65 is out of date and was deleted. The relevant text therein was transferred to ITU-T P.64

5pp E 4587 F 4586 S 4588 8 CHF

P.66 (03/93) Withdrawn (08.96)

Methods for evaluating the transmission performance of digital telephone sets

Deleted after having been merged with P.31 into ITU-T P.310

Measurements related to speech loudness

P.75 (11/88) Standard conditioning method for handsets with carbon microphones

Blue Book – Fascicle V (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

P.76 (11/88) Determination of loudness ratings; fundamental principles

Blue Book – Fascicle V (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

P.78 (02/96) Subjective testing method for determination of loudness ratings in accordance with Recommendation P.76

20pp E 7209 F 7210 S 7211 17 CHF

P.79 (09/99) Calculation of loudness ratings for telephone sets

Covering note, May 2000: Erratum

Covering note, 24 October 2000: Corrigendum 1

36pp E 17584 F 17585 S 17586 22 CHF

P.79 (1999) Corrigendum 1 (10/00)

P.79 (1999) Corrigendum 2 (05/01)

P.79 Annex G (11/01) Wideband loudness rating algorithm

7pp E 22188 F 22189 S 22190 9 CHF

Methods for objective and subjective assessment of quality

- P.82 (11/88)** Method for evaluation of service from the standpoint of speech transmission quality
Blue Book – Fascicle V (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- P.84 (03/93)** Subjective listening test method for evaluating digital circuit multiplication and packetized voice systems
19pp E 4674 F 4673 S 4675 15 CHF
- P.85 (06/94)** A method for subjective performance assessment of the quality of speech voice output devices
9pp E 5585 F 5584 S 5586 11 CHF

Subscribers' lines and sets

- P.300 (11/01)** Transmission performance of group audio terminals (GATs)
20pp E 21681 F 21682 S 21683 12 CHF
- P.310 (03/03)** Transmission characteristics for telephone band (300-3400 Hz) digital telephones
29pp E 23399 17 CHF
- P.311 (02/98)** Transmission characteristics for wideband (150-7000 Hz) digital handset telephones
20pp E 13191 F 13192 S 13193 17 CHF
- P.313 (09/99)** Transmission characteristics for cordless and mobile digital terminals
24pp E 17593 F 17594 S 17595 17 CHF
- P.330 (03/03)** Speech processing devices for acoustic enhancement
18pp E 24149 F 24150 S 24151 12 CHF
- P.340 (05/00)** Transmission characteristics of hands-free telephones
44pp E 19665 F 19666 S 19667 22 CHF
- P.341 (02/98)** Transmission characteristics for wideband (150-7000 Hz) digital hands-free telephony terminals
20pp E 13522 F 13523 S 13524 17 CHF
- P.341 (1998) Corrigendum 1 (09/99)**
- P.342 (05/00)** Transmission characteristics for telephone band (300-3400 Hz) digital loudspeaking and hands-free telephony terminals
20pp E 19552 F 19553 S 19554 17 CHF

- P.350 (03/01)** Handset dimensions – Formerly ITU-T P.35
12pp E 20566 F 20567 S 20568 9 CHF
- P.360 (12/98)** Efficiency of devices for preventing the occurrence of excessive acoustic pressure by telephone receivers
Former Rec. P.36, renumbered P.360
12pp E 14550 F 14551 S 14552 12 CHF
- P.370 (08/96)** Coupling Hearing Aids to Telephone sets
Former Rec. P.37, renumbered P.370
20pp E 9944 F 9945 S 9946 17 CHF

Objective measuring apparatus

- P.501 (05/00)** Test signals for use in telephony
This Recommendation includes an electronic attachment containing test signals for telephony applications.
37pp E 19885 F 19886 S 19887 72 CHF
- P.502 (05/00)** Objective test methods for speech communication systems using complex test signals
64pp E 20052 F 20053 S 20054 29 CHF
- P.561 (07/02)** In-service non-intrusive measurement device – Voice service measurements
56pp E 23154 F 23155 S 23156 29 CHF
- P.562 (05/00)** Analysis and interpretation of INMD voice-services measurements
56pp E 19314 F 19315 S 19316 29 CHF
- P.581 (05/00)** Use of head and torso simulator (HATS) for hands-free terminal testing
12pp E 19492 F 19493 S 19494 12 CHF

Methods for objective and subjective assessment of quality

- P.800 (08/96)** Methods for subjective determination of transmission quality
Former Rec. P.80, renumbered P.800
36pp E 9713 F 9714 S 9715 22 CHF
- P.800.1 (03/03)** Mean Opinion Score (MOS) terminology
10pp E 23960 F 23961 S 23962 9 CHF

P.810 (02/96) Modulated noise reference unit (MNRU)

Corresponding ANSI-C code is available in the MNRU module of the ITU-T G.191 Software Tools Library

12pp E 7139 F 7140 S 7141 12 CHF

P.830 (02/96) Subjective performance assessment of telephone-band and wideband digital codecs

24pp E 7163 F 7164 S 7165 17 CHF

P.831 (12/98) Subjective performance evaluation of network echo cancellers

32pp E 15473 F 15474 S 15475 17 CHF

P.832 (05/00) Subjective performance evaluation of hands-free terminals

28pp E 19427 F 19428 S 19429 17 CHF

P.833 (02/01) Methodology for derivation of equipment impairment factors from subjective listening-only tests

24pp E 21045 F 21046 S 21047 17 CHF

P.834 (07/02) Methodology for derivation of equipment impairment factors from instrumental models

26pp E 22974 F 22975 S 22976 67 CHF

P.861 (02/98) Withdrawn (07.01)

Objective quality measurement of telephone-band (300-3400 Hz) speech codecs

P.861 was recognized as having certain limitations in specific areas of application. It was replaced by P.862, which contains an improved objective speech quality assessment algorithm. P.861 included one diskette containing test vectors for implementation verification of the PSQM algorithm

40pp E 13580 F 13581 S 13582 62 CHF

P.862 (02/01) Perceptual evaluation of speech quality (PESQ), an objective method for end-to-end speech quality assessment of narrowband telephone networks and speech codecs

30pp E 22134 F 22135 S 22136 67 CHF

P.862 (2001) Amendment 1 (03/03) Revised Annex A: Source code for the reference implementation and conformance tests

Free of charge from the Electronic Bookshop

7pp E 23393 9 CHF

Audiovisual quality in multimedia services

P.910 (09/99) Subjective video quality assessment methods for multimedia applications

36pp E 17681 F 17682 S 17683 22 CHF

P.911 (12/98) Subjective audiovisual quality assessment methods for multimedia applications

28pp E 15366 F 15367 S 15368 17 CHF

P.911 (1998) Corrigendum 1 (09/99)

P.920 (05/00) Interactive test methods for audiovisual communications

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P.930 (08/96) Principles of a reference impairment system for video

36pp E 9736 F 9737 S 9738 22 CHF

P.931 (12/98) Multimedia communications delay, synchronization and frame rate measurement

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Supplements to the Series P Recommendations

Suppl. 10 (11/88) Considerations relating to transmission characteristics for analogue handset telephones

Blue Book – Fascicle V (see: List of Books in force)

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Suppl. 16 (11/88) Guidelines for placement of microphones and loudspeakers in telephone conference rooms [1] and for Group Audio Terminals (GATs)

Blue Book – Fascicle V (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Suppl. 20 (03/93) Examples of measurements of handset receive-frequency responses: dependence on earcup leakage losses

5pp E 4844 F 4843 S 4845 8 CHF

Suppl. 23 (02/98) ITU-T coded-speech database

This Supplement includes 3 CD-ROMs containing the ITU-T coded speech database for 8 kbit/s codec tests.

Note: Not available through Electronic Bookshop. To purchase, please contact Sales@itu.int

287 CHF

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Blue Book – Fascicle VI.1 (see: List of Books in force)

*Individually through the Electronic Bookshop: 20 CHF***International automatic and semi-automatic working***Basic Recommendations***Q.4 (11/88)** Automatic switching functions for use in national networks

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*Individually through the Electronic Bookshop: 20 CHF***Q.6 (11/88)** Advantages of international automatic working

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Blue Book – Fascicle VI.1 (see: List of Books in force)

*Individually through the Electronic Bookshop: 20 CHF***Q.8 (11/88)** Signalling systems to be used for international manual and automatic working on analogue leased circuits

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*Individually through the Electronic Bookshop: 20 CHF**Numbering plan and dialling procedures in the international service***Q.10 (11/88) Withdrawn (03.93)**

Definitions relating to national and international numbering plans

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Numbering plan for the ISDN era

*Q.11 bis was an alias name of ITU-T E.164. Only this alias name was suppressed. ITU-T E.164 remains valid***Q.11ter (11/88) Withdrawn (09.03)**

Timetable for coordinated implementation of the full capability of the numbering plan for the ISDN era (Recommendation E.164)

Q.11 ter was an alias name of ITU-T E.165. Only this alias name was suppressed. ITU-T E.165 remains valid

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*Individually through the Electronic Bookshop: 20 CHF**Routing plan for international service***Q.12 (11/88)** Overflow – alternative routing – rerouting – automatic repeat attempt

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International telephone routing plan

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Nominal mean power during the busy hour

Deleted Q.15 was an extract of ITU-T G.223. ITU-T G.223 remains valid

Q.16 (11/88) Withdrawn (09.03)

Maximum permissible value for the absolute power level of a signalling pulse

Q.16 was an alias name of ITU-T G.224. Only this alias name was suppressed. ITU-T G.224 remains valid

Blue Book – Fascicle III.2 (see: List of Books in force)

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General Recommendations relative to signalling and switching systems (national or international)

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Blue Book – Fascicle VI.1 (see: List of Books in force)

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Q.28 (11/88) Determination of the moment of the called subscriber’s answer in the automatic service

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Q.30 (11/88) Improving the reliability of contacts in speech circuits

Blue Book – Fascicle VI.1 (see: List of Books in force)

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Q.31 (11/88) Noise in a national 4-wire automatic exchange

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Q.32 (11/88) Reduction of the risk of instability by switching means

Blue Book – Fascicle VI.1 (see: List of Books in force)

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Q.33 (11/88) Protection against the effects of faulty transmission on groups of circuits

Blue Book – Fascicle VI.1 (see: List of Books in force)

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Tones for use in national signalling systems

E.180/Q.35 (03/98) Technical characteristics of tones for the telephone service

This Recommendation is published with the double number E.180 and Q.35

16pp E 13110 F 13111 S 13112 12 CHF

Q.36 (11/88) Withdrawn (09.03)

Customer recognition of foreign tones

Q.36 was an alias name of ITU-T E.181. Only this alias name was suppressed. ITU-T E.181 remains valid

Blue Book – Fascicle II.2 (see: List of Books in force)

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General characteristics for international telephone connections and circuits

Q.40 (11/88) Withdrawn (03.93)

The transmission plan

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Q.41 (11/88) Withdrawn (03.93)

Mean one-way propagation time

Deleted Q.41 was an extract of ITU-T G.114. ITU-T G.114 remains valid

Q.42 (11/88) Withdrawn (09.03)

Stability and echo (echo suppressors)

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Transmission losses, relative levels

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Red Book – Fascicle VI.1 (see: List of Books in force)

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CCITT automatic transmission measuring and signalling testing equipment ATME No. 2

*Q.49 was an alias name of ITU-T O.22. Only this alias name was suppressed. ITU-T O.22 remains valid***Signalling for circuit multiplication equipment****Q.50 (07/01) Signalling between Circuit Multiplication Equipment (CME) and International Switching Centres (ISC)**

27pp E 21781 F 21782 S 21783 17 CHF

Q.50.1 (07/01) Signalling between international switching centres (ISC) and digital circuit multiplication equipment (DCME) including the control of compression/decompression

18pp E 21809 F 21810 S 21811 12 CHF

Q.50.2 (12/02) Signalling between International Switching Centres (ISC) and Digital Circuit Multiplication Equipment (DCME) including the control of compression/decompression over an IP network

19pp E 23854 F 23855 S 23856 12 CHF

Q.52 (03/01) Signalling between international switching centres and stand-alone echo control devices

14pp E 20563 F 20564 S 20565 12 CHF

Q.55 (12/99) Signalling between signal processing network equipment (SPNE) and international switching centres (ISC)

68pp E 19561 F 19562 S 19563 29 CHF

Q.56 (05/01) Signalling between signal processing network equipment (SPNE) and international switching centres (ISC) over an IP network

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22pp E 2353 F 2331 S 2375 16 CHF

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23pp E 2353 F 2331 S 2375 16 CHF

Q.81.7 (06/97) Stage 2 description for number identification supplementary services: Malicious call identification (MCID)

This subject was only recognised and is for further study

28pp E 12299 F 12300 S 12301 17 CHF

Q.81.8 (02/92) Stage 2 description for number identification supplementary services: Sub-addressing (SUB)

Published with ITU-T Q.81.2.

8pp E 2617 F 2648 S 2679 15 CHF

Q.82 Stage 2 description for call offering supplementary services

Q.82.1 (11/88) Stage 2 description for call offering supplementary services: Call transfer

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Q.82.3 (03/93) Stage 2 description for call offering supplementary services: Call deflection

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Q.82.4 (11/88) Stage 2 description for call offering supplementary services: Line hunting

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Q.82.7 (07/96) Stage 2 description for call offering supplementary services: Explicit call transfer

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Q.83.1 (09/91) Stage 2 description for call completion supplementary services: Call waiting (CW)

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13pp E 2352 F 2330 S 2374 13 CHF

Q.83.2 (02/92) Stage 2 description for call completion supplementary services: Call hold

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Q.83.3 (11/88) Stage 2 description for call completion supplementary services: Completion of call to busy subscriber

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Q.85.6 Annex A (07/96) Service procedures and information flows based on Intelligent Network CS-1 capabilities

60pp E 10343 F 10344 S 10345 29 CHF

Q.86 Stage 2 description for charging supplementary services

Q.86.1 (11/88) Stage 2 description for charging supplementary services: Credit card call

Empty Recommendation. This service has only been identified and requires further study.

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Q.86.2 (10/95) Stage 2 description for charging supplementary services: Advice of charge (AOC)

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Q.86.3 (03/93) Stage 2 description for charging supplementary services: Reverse charging (REV)

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Q.86.4 (06/97) Stage 2 description for charging supplementary services: International Freephone Service (IFS)

20pp E 12236 F 12237 S 12238 17 CHF

Q.86.7 (10/95) Stage 2 description for charging supplementary services: International Telecommunication Charge Card (ITCC)

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Q.87 Stage 2 description for additional information transfer supplementary services

Q.87.1 (03/93) Stage 2 description for additional information transfer supplementary services: User-to-user signalling (UUS)

56pp E 5203 F 5240 S 5276 24 CHF

Q.87.2 (11/88) Stage 2 description for additional information transfer supplementary services: User signalling bearer services

Empty Recommendation. This service has only been identified and requires further study.

Blue Book – Fascicle VI.1 (see: List of Books in force)

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General clauses

Q.101 (11/88) Facilities provided in international semi-automatic working

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Q.102 (11/88) Facilities provided in international automatic working

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Q.103 (11/88) Numbering used

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Q.105 (11/88) National (significant) number

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Q.106 (11/88) The sending-finished signal

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Q.107 (11/88) Standard sending sequence of forward address information

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Q.107bis (03/93) Analysis of forward address information for routing

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Q.108 (11/88) One-way or both-way operation of international circuits

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Q.109 (11/88) Transmission of the answer signal in international exchanges

Blue Book – Fascicle VI.1 (see: List of Books in force)

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Transmission clauses for signalling

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Blue Book – Fascicle VI.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- Q.112 (11/88)** Signal levels and signal receiver sensitivity
Blue Book – Fascicle VI.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- Q.113 (11/88)** Connection of signal receivers in the circuit
Blue Book – Fascicle VI.1 (see: List of Books in force)
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- Q.114 (11/88)** Typical transmission requirements for signal senders and receivers
Blue Book – Fascicle VI.1 (see: List of Books in force)
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Logic and protocols for the control of signal processing network elements and functions

- Q.115.0 (12/02)** Protocols for the control of signal processing network elements and functions
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- Q.115.1 (12/02)** Logic for the control of echo control devices and functions
Formerly Rec. Q.115
56pp E 23989 F 23990 S 23991 29 CHF

Abnormal conditions

- Q.116 (11/88)** Indication given to the outgoing operator or calling subscriber in case of an abnormal condition
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- Q.117 (11/88)** Alarms for technical staff and arrangements in case of faults
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- Q.118bis (11/88)** Indication of congestion conditions at transit exchanges
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- Q.120-Q.139 (11/88)** Specifications of Signalling System No. 4
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- Q.140-Q.180 (11/88)** Specifications of Signalling System No. 5
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- Q.251-Q.300 (11/88)** Specifications of Signalling System No. 6
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- Q.310-Q.332 (11/88)** Specifications of Signalling System R1
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- Q.400-Q.490 (11/88)** Specifications of Signalling System R2
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Digital exchanges

Introduction and field of application

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- Q.513 (03/93)** Digital exchange interfaces for operations, administration and maintenance
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- Q.521 (03/93)** Digital exchange functions
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- Q.522 (11/88)** Digital exchange connections, signalling and ancillary functions
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- Q.552 (11/01)** Transmission characteristics at 2-wire analogue interfaces of digital exchanges
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- Q.553 (11/01)** Transmission characteristics at 4-wire analogue interfaces of digital exchanges
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- Q.554 (11/96)** Transmission characteristics at digital interfaces of digital exchanges
8pp E 10486 F 10487 S 10488 9 CHF

Interworking of Signalling Systems

General considerations

- Q.601 Q.695 Annex A (03/93)** Lists and meanings of FITEs, BITEs and SPITEs – Representation of information contents of signals of the signalling systems
31pp E 4964 F 4963 S 4965 15 CHF
- Q.601 Q.695 Annex B (03/93)** Narrative presentation of interworking
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Logic procedures

- Q.696 (06/97)** Interworking between the Signalling System No. 7 ISDN User Part (ISUP) and Signalling Systems No. 5, R2 and Signalling System No. 7 TUP
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Interworking of Signalling Systems No. 7 and No. 6

- Q.698 (03/93)** Interworking of Signalling System No. 7 ISUP, TUP and Signalling System No. 6 using arrow diagrams
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- Q.699 (09/97)** Interworking between ISDN access and non-ISDN access over ISDN User Part of Signalling System No. 7
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- Q.699 Addendum 1 (12/99)** DSS1-SS7 interworking for call completion on no reply
12pp E 18036 F 18037 S 18038 12 CHF

- Q.699.1 (05/98)** Interworking between ISDN access and non-ISDN access over ISDN user part of Signalling System No. 7: Support of VPN applications with PSS1 information flows
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Specifications of Signalling System No. 7

General

- Q.700 (03/93)** Introduction to CCITT Signalling System No. 7
20pp E 4434 F 4433 S 4435 15 CHF

Message transfer part (MTP)

- Q.701 (03/93)** Functional description of the message transfer part (MTP) of Signalling System No. 7
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- Q.704 (07/96)** Signalling network functions and messages
Covering note, 17.09.99: Erratum (english only)
216pp E 10627 F 10628 S 10629 96 CHF

- Q.705 (03/93)** Signalling network structure
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- Q.706 (03/93)** Message transfer part signalling performance
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- Q.709 (03/93)** Hypothetical signalling reference connection
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Signalling connection control part (SCCP)

- Q.711 (03/01)** Functional description of the signalling connection control part
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- Q.712 (07/96)** Definition and function of signalling connection control part messages
16pp E 10724 F 10725 S 10726 12 CHF
- Q.713 (03/01)** Signalling connection control part formats and codes
50pp E 20870 F 20871 S 20872 22 CHF
- Q.714 (05/01)** Signalling connection control part procedures
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- Q.715 (04/02)** Signalling connection control part user guide
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- Q.716 (03/93)** Signalling System No. 7 – Signalling connection control part (SCCP) performance
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Telephone user part (TUP)

- Q.721 (11/88)** Functional description of the Signalling System No. 7 Telephone User Part (TUP)
Blue Book – Fascicle VI.8 (see: List of Books in force)
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- Q.722 (11/88)** General function of telephone messages and signals
Blue Book – Fascicle VI.8 (see: List of Books in force)
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- Q.723 (11/88)** Telephone user part formats and codes
A Corrigendum was indicated in 03/1993.
Blue Book – Fascicle VI.8 (see: List of Books in force)
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- Q.723 (1988) Amendment 1 (03/93)** Amendment 1 to ITU-T Q.723 (1988)
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- Q.724 (11/88)** Telephone user part signalling procedures
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- Q.724 (1988) Amendment 1 (03/93)** Amendment 1 to ITU-T Q.724 (1988)
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- Q.725 (03/93)** Signalling performance in the telephone application
8pp E 4719 F 4718 S 4720 11 CHF

ISDN supplementary services

- Q.730 (12/99)** ISDN user part supplementary services
44pp E 17815 F 17816 S 17817 22 CHF
- Q.731 Stage 3 description for number identification supplementary services using Signalling System No. 7*
- Q.731.1 (07/96)** Stage 3 description for number identification supplementary services using Signalling System No. 7: Direct-dialling-In (DDI)
12pp E 9631 F 9632 S 9633 12 CHF
- Q.731.3 (03/93)** Stage 3 description for number identification supplementary services using Signalling System No. 7: Calling line identification presentation (CLIP)
13pp E 4410 F 4409 S 4411 20 CHF
- Q.731.4 (03/93)** Stage 3 description for number identification supplementary services using Signalling System No. 7: Calling line identification restriction (CLIR)
4pp E 4410 F 4409 S 4411 20 CHF

Q.731.5 (03/93) Stage 3 description for number identification supplementary services using Signalling System No. 7: Connected line identification presentation (COLP)

16pp E 4410 F 4409 S 4411 20 CHF

Q.731.6 (03/93) Stage 3 description for number identification supplementary services using Signalling System No. 7: Connected line identification restriction (COLR)

6pp E 4410 F 4409 S 4411 20 CHF

Q.731.7 (06/97) Stage 3 description for number identification supplementary services using Signalling System No. 7: Malicious call identification (MCID)

12pp E 12132 F 12133 S 12134 12 CHF

Q.731.8 (02/92) Stage 3 description for number identification supplementary services using Signalling System No. 7: Sub-addressing (SUB)

Published with ITU-T Q.731.1.

4pp E 2612 F 2642 S 2673 11 CHF

Q.732 Stage 3 description for call offering supplementary services using Signalling System No. 7

Q.732.2-5 (12/99) Stage 3 description for call offering supplementary services using Signalling System No. 7: Call diversion services

Call diversion Recommendation groups four services the stage 3 descriptions of which are similar:

Q.732.2 – Call Forwarding Busy (CFB)

Q.732.3 – Call Forwarding No Reply (CFNR)

Q.732.4 – Call Forwarding Unconditional (CFU)

Q.732.5 – Call Deflection (CD).

40pp E 17877 F 17878 S 17879 22 CHF

Q.732.2-5 (1999) Amendment 1 (07/01) Stage 3 description for call offering supplementary services using Signalling System No. 7: Call diversion services

8pp E 21564 F 21565 S 21566 9 CHF

Q.732.7 (07/96) Stage 3 description for call offering supplementary services using Signalling System No. 7: Explicit Call Transfer

28pp E 10651 F 10652 S 10653 17 CHF

Q.733 Stage 3 description for call completion supplementary services using Signalling System No. 7

Q.733.1 (02/92) Stage 3 description for call completion supplementary services using Signalling System No. 7: Call waiting (CW)

9pp E 2614 F 2644 S 2675 11 CHF

Q.733.2 (03/93) Stage 3 description for call completion supplementary services using Signalling System No. 7: Call hold (HOLD)

Published with ITU-T Q.733.4.

7pp E 4446 F 4445 S 4447 11 CHF

Q.733.3 (06/97) Stage 3 description for call completion supplementary services using Signalling System No. 7: Completion of calls to busy subscriber (CCBS)

40pp E 12355 F 12356 S 12357 22 CHF

Q.733.3 (1997) Amendment 1 (07/01) Stage 3 description for call completion supplementary services using Signalling System No. 7: Completion of calls to busy subscriber (CCBS)

9pp E 21770 F 21771 S 21772 9 CHF

Q.733.4 (03/93) Stage 3 description for call completion supplementary services using Signalling System No. 7: Terminal portability (TP)

Published with ITU-T Q.733.2.

7pp E 4446 F 4445 S 4447 11 CHF

Q.733.5 (12/99) Stage 3 description for call completion supplementary services using Signalling System No. 7: Completion of calls on no reply

40pp E 18027 F 18028 S 18029 22 CHF

Q.734 Stage 3 description for multiparty supplementary services using Signalling System No. 7

Q.734.1 (03/93) Stage 3 description for multiparty supplementary services using Signalling System No. 7: Conference calling

Published with ITU-T Q.734.2.

Covering note, June 1999: Information note

22pp E 4449 F 4448 S 4450 15 CHF

Q.734.2 (07/96) Stage 3 description for multiparty supplementary services using Signalling System No. 7: Three-party service

20pp E 10639 F 10640 17 CHF

Q.735 Stage 3 description for community of interest supplementary services using Signalling System No. 7

Q.735.1 (03/93) Stage 3 description for community of interest supplementary services using Signalling System No. 7: Closed user group (CUG)

23pp E 4536 F 4535 S 4537 29 CHF

Q.735.3 (03/93) Stage 3 description for community of interest supplementary services using Signalling System No. 7: Multi-level precedence and preemption

44pp E 4536 F 4535 S 4537 29 CHF

Q.735.6 (07/96) Stage 3 description for community of interest supplementary services using Signalling System No. 7: Global Virtual Network Service (GVNS)

24pp E 10691 F 10692 S 10693 17 CHF

Q.736 Stage 3 description for charging supplementary services using Signalling System No. 7

Q.736.1 (10/95) Stage 3 description for charging supplementary services using Signalling System No. 7: International Telecommunication Charge Card (ITCC)

20pp E 6760 F 6761 S 6762 17 CHF

Q.736.3 (10/95) Stage 3 description for charging supplementary services using Signalling System No. 7: Reverse charging (REV)

36pp E 6691 F 6692 S 6693 20 CHF

Q.737 Stage 3 description for additional information transfer supplementary services using Signalling System No. 7

Q.737.1 (06/97) Stage 3 description for additional information transfer supplementary services using Signalling System No. 7: User-to-user signalling (UUS)

40pp E 12349 F 12350 S 12351 22 CHF

Signalling System No. 7 management

Q.750 (06/97) Overview of Signalling System No. 7 management

24pp E 12220 F 12221 S 12222 17 CHF

Q.751.1 (10/95) Network element management information model for the Message Transfer Part (MTP)

152pp E 7117 F 7118 S 7119 61 CHF

Q.751.2 (06/97) Network element management information model for the Signalling Connection Control Part

100pp E 12385 F 12386 S 12387 44 CHF

Q.751.3 (09/97) Network element information model for MTP accounting

32pp E 12559 F 12560 S 12561 17 CHF

Q.751.4 (05/98) Network element information model for SCCP accounting and accounting verification

20pp E 13769 F 13770 S 13771 17 CHF

Q.752 (06/97) Monitoring and measurements for Signalling System No. 7 networks

56pp E 11942 F 11943 S 11944 29 CHF

Q.753 (06/97) Signalling System No. 7 management functions MRVT, SRVT and CVT and definition of the OMASE-user

64pp E 11979 F 11980 S 11981 29 CHF

Q.754 (06/97) Signalling System No. 7 management Application Service Element (ASE) definitions

48pp E 11991 F 11992 S 11993 22 CHF

Q.755 (03/93) Signalling System No. 7 protocol tests

10pp E 4638 F 4637 S 4639 11 CHF

Q.755.1 (05/98) MTP Protocol Tester

44pp E 13724 F 13725 S 13726 22 CHF

Q.755.2 (09/97) Transaction capabilities test responder

24pp E 12496 F 12497 S 12498 17 CHF

Q.756 (06/97) Guidebook to Operations, Maintenance and Administration Part (OMAP)

16pp E 11935 F 11936 S 11937 12 CHF

ISDN user part

Q.761 (12/99) Signalling System No. 7 – ISDN User Part functional description

20pp E 17663 F 17664 S 17665 17 CHF

Q.761 (1999) Amendment 1 (07/01) Specifications of Signalling System No. 7 – ISDN user part functional description

8pp E 21567 F 21568 S 21569 9 CHF

- Q.761 (1999) Amendment 2 (12/02)** Support for the International Emergency Preference Scheme
10pp E 23790 F 23791 S 23792 9 CHF
- Q.762 (12/99)** Signalling System No. 7 – ISDN User Part general functions of messages and signals
28pp E 19117 F 19118 S 19119 17 CHF
- Q.762 Addendum 1 (06/00)** Addendum 1
4pp E 19721 F 19722 S 19723 9 CHF
- Q.762 (1999) Amendment 1 (12/02)** Support for the International Emergency Preference Scheme
7pp E 23767 F 23768 S 23769 9 CHF
- Q.763 (12/99)** Signalling System No. 7 – ISDN User Part formats and codes
132pp E 19698 F 19699 S 19700 55 CHF
- Q.763 (1999) Amendment 1 (03/01)** Analytical method to calculate short-term visibility and interference statistics for non-geostationary satellite orbit satellites as seen from a point on the Earth's surface
12pp E 20797 F 20798 S 20799 12 CHF
- Q.763 (1999) Corrigendum 1 (07/01)**
- Q.763 (1999) Amendment 2 (12/02)** Support for the International Emergency Preference Scheme
7pp E 23745 F 23746 S 23747 9 CHF
- Q.764 (12/99)** Signalling System No. 7 – ISDN User Part signalling procedures
108pp E 19701 F 19702 S 19703 44 CHF
- Q.764 (1999) Amendment 1 (07/01)** Amendment 1
14pp E 21721 F 21722 S 21723 12 CHF
- Q.764 (1999) Amendment 2 (12/02)** Support for the International Emergency Preference Scheme
10pp E 23770 F 23771 S 23772 9 CHF
- Q.765 (06/00)** Signalling system No. 7 – Application transport mechanism
40pp E 19611 F 19612 S 19613 22 CHF
- Q.765bis (12/99)** Signalling system No. 7 – Application Transport Mechanism: Test Suite Structure and Test Purposes (TSS & TP)
32pp E 18114 F 18115 S 18116 17 CHF
- Q.765.1 (05/98)** Signalling System No. 7 – Application transport mechanism: Support of VPN applications with PSS1 information flows
56pp E 14421 F 14422 S 14423 29 CHF
- Q.765.1bis (12/99)** Abstract test suite for the APM support of VPN applications
This Recommendation includes an electronic attachment containing the ATS for ISUP'97 for APM support of VPN in machine processable form and in pdf form
28pp E 19580 F 19581 S 19582 67 CHF
- Q.765.1bis (1999) Amendment 1 (12/00)** Amendment: Abstract test suite for the APM support of VPN applications
16pp E 21507 12 CHF
- Q.765.4 (06/00)** Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's
31pp E 19934 F 19935 S 19936 22 CHF
- Q.765.5 (06/00)** Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's
28pp E 20064 F 20065 S 20066 17 CHF
- Q.765.5 (2000) Amendment 1 (07/01)** Bearer Independent Call Control Capability Set 2
17pp E 21818 F 21819 S 21820 12 CHF
- Q.766 (03/93)** Performance objectives in the integrated services digital network application
4pp E 4853 F 4852 S 4854 8 CHF
- Q.767 (02/91)** Application of the ISDN user part of CCITT signalling system No. 7 for international ISDN interconnections
271pp E 2334 F 2312 S 2356 65 CHF
- Q.767 (1991) Amendment 1 (12/02)**
8pp E 23780 F 23783 S 23784 9 CHF
- Q.768 (10/95)** Signalling interface between an international switching centre and an ISDN satellite subnetwork
52pp E 7006 F 7007 S 7008 29 CHF
- Q.769.1 (12/99)** Signalling system No. 7 – ISDN user part enhancements for the support of number portability
20pp E 17788 F 17789 S 17787 17 CHF

Transaction capabilities application part

Q.771 (06/97) Functional description of transaction capabilities

36pp E 12403 F 12404 S 12405 22 CHF

Q.772 (06/97) Transaction capabilities information element definitions

12pp E 12321 F 12322 S 12323 12 CHF

Q.773 (06/97) Transaction capabilities formats and encoding

36pp E 12406 F 12407 S 12408 22 CHF

Q.774 (06/97) Transaction capabilities procedures

64pp E 12388 F 12389 S 12390 29 CHF

Q.775 (06/97) Guidelines for using transaction capabilities

64pp E 11938 F 11939 S 11940 29 CHF

Test specification

Q.780 (10/95) Signalling System No. 7 test specification – General description

16pp E 6914 F 6915 S 6916 11 CHF

Q.781 (04/02) MTP level 2 test specification

109pp E 22514 F 22515 S 22516 44 CHF

Q.782 (04/02) MTP level 3 test specification

152pp E 22584 F 22585 S 22586 61 CHF

Q.783 (11/88) TUP test specification

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Q.784 Annex A (03/93) TTCN version of Recommendation Q.784

135pp E 5165 F 5223 S 5258 47 CHF

Q.784.1 (07/96) Validation and compatibility for ISUP'92 and Q.767 protocols

144pp E 10592 F 10593 S 10594 55 CHF

Q.784.1 (1996) Corrigendum 1 (12/99)

Q.784.2 (06/97) Abstract test suite for ISUP'92 basic call control procedures

This Recommendation includes one diskette containing Annex D ISUP'92 ATS for basic call in graphical and in machine processable form.

96pp E 13023 F 13029 S 13030 79 CHF

Q.784.3 (12/99) ISUP '97 basic call control procedures – Test suite structure and test purposes (TSS & TP)

This Recommendation includes an electronic attachment containing the ATS for ISUP'97 basic call control procedures in machine processable form and in pdf form

92pp E 19534 F 19535 S 19536 89 CHF

Q.784.3 (1999) Amendment 1 (12/00) Amendment 1

26pp E 21515 17 CHF

Q.785 (09/91) ISUP protocol test specification for supplementary services

49pp E 2346 F 2324 S 2368 21 CHF

Q.785.2 (03/99) ISUP'97 supplementary services – Test suite structure and test purposes (TSS & TP)

This Recommendation includes one CD-ROM containing the ISUP'97 ATS for supplementary services in machine processable form and in graphical form.

332pp E 17285 F 17286 S 17287 249 CHF

Q.785.2 (1999) Amendment 1 (12/00) Amendment 1: New Appendix I – Additional test configuration for ISUP'97 supplementary services

16pp E 21588 F 21589 S 21590 62 CHF

Q.786 (03/93) SCCP test specification

50pp E 4296 F 4295 S 4297 24 CHF

Q.787 (09/97) Transaction Capabilities (TC) test specification

320pp E 13116 F 13117 S 13118 124 CHF

Q.788 (06/97) User-network-interface to user-network-interface compatibility test specifications for ISDN, non-ISDN and undetermined accesses interworking over international ISUP

240pp E 12245 F 12246 S 12247 96 CHF

Q.795 (11/88) Withdrawn (03.93)

Operations, Maintenance and Administration Part (OMAP)

The content of this Recommendation is now covered by ITU-T Q.75x series

Q3 interface

Q.811 (06/97) Lower layer protocol profiles for the Q3 and X interfaces

56pp E 11958 F 11959 S 11960 29 CHF

- Q.812 (06/97)** Upper layer protocol profiles for the Q3 and X interfaces
24pp E 11961 F 11962 S 11963 17 CHF
- Q.812 (1997) Amendment 1 (03/99)** Additional X interface protocols for the service management layer (SML)
8pp E 15892 F 15893 S 15894 9 CHF
- Q.812 (1997) Amendment 2 (02/00)** Protocol profile for electronic communications interactive agent
8pp E 16939 27 CHF
- Q.812 Appendix I (03/99)** Guidance on using allomorphic management
24pp E 15757 F 15758 S 15759 17 CHF
- Q.813 (06/98)** Security Transformations Application Service Element for Remote Operations Service Element (STASE-ROSE)
68pp E 14465 F 14466 S 14467 34 CHF
- Q.814 (02/00)** Specification of an electronic data interchange interactive agent
24pp E 19182 F 19183 S 19184 17 CHF
- Q.815 (02/00)** Specification of a security model for whole message protection
20pp E 19191 F 19192 S 19193 17 CHF
- Q.816 (01/01)** CORBA-based TMN services
80pp E 20532 F 20533 S 20534 34 CHF
- Q.816 (2001) Corrigendum 1 (08/01)**
- Q.816 (2001) Amendment 1 (08/01)** OMG services profile
16pp E 21570 F 21571 S 21572 12 CHF
- Q.816 (2001) Amendment 2 (05/02)** User guide for local name resolution
9pp E 22455 F 22456 S 22457 9 CHF
- Q.816 (2001) Corrigendum 2 (08/02)**
- Q.816.1 (08/01)** CORBA based TMN services: Extensions to support coarse-grained interfaces
36pp E 21895 F 21896 S 21897 17 CHF
- Q.817 (01/01)** TMN PKI – Digital certificates and certificate revocation lists profiles
18pp E 20443 F 20444 S 20445 12 CHF
- Q.821 (02/00)** Stage 2 and Stage 3 description for the Q3 interface – Alarm Surveillance
84pp E 20084 F 20085 S 20086 34 CHF
- Q.821.1 (09/01)** CORBA-based TMN alarm surveillance service
100pp E 21736 F 21737 S 21738 39 CHF
- Q.822 (04/94)** Stage 1, stage 2 and stage 3 description for the Q3 interface – Performance management
47pp E 5308 F 5295 S 5318 24 CHF
- Q.822 (1994) Amendment 1 (03/03)** Generic transport performance management
13pp E 23821 F 23822 S 23823 12 CHF
- Q.822.1 (10/01)** CORBA-based TMN performance management service
52pp E 22224 F 22225 S 22226 22 CHF
- Q.822.1 (2001) Amendment 1 (03/03)** Generic transport performance management
22pp E 23994 F 23995 S 23996 17 CHF
- Q.823 (07/96)** Stage 2 and Stage 3 functional specifications for traffic management
112pp E 10522 F 10523 S 10524 44 CHF
- Q.823.1 (10/97)** Management Conformance Statement Proformas
292pp E 12525 96 CHF
- Q.824 Stage 2 and stage 3 description for the Q3 interface – Customer administration*
- Q.824.0 (10/95)** Stage 2 and stage 3 description for the Q3 interface – Customer administration: Common information
52pp E 6763 F 6764 S 6765 29 CHF
- Q.824.1 (10/95)** Stage 2 and stage 3 description for the Q3 interface – Customer administration: Integrated Services Digital Network (ISDN) basic and primary rate access
72pp E 6782 F 6783 S 6784 34 CHF
- Q.824.2 (10/95)** Stage 2 and stage 3 description for the Q3 interface – Customer administration: Integrated Services Digital Network (ISDN) supplementary services
32pp E 6704 F 6705 S 6706 15 CHF
- Q.824.3 (10/95)** Stage 2 and stage 3 description for the Q3 interface – Customer administration: Integrated Services Digital Network (ISDN) optional user facilities
16pp E 6754 F 6755 S 6756 12 CHF
- Q.824.4 (10/95)** Stage 2 and stage 3 description for the Q3 interface – Customer administration: Integrated Services Digital Network (ISDN) teleservices
12pp E 6515 F 6516 S 6517 11 CHF

- Q.824.5 (10/97)** Stage 2 and stage 3 description for the Q3 interface – Customer administration: Configuration management of V5 interface environments and associated customer profiles
112pp E 12562 F 12563 S 12564 44 CHF
- Q.824.5 (1997) Corrigendum 1 (02/00)**
- Q.824.6 (06/98)** Stage 2 and stage 3 description for the Q3 interface – Customer administration: Broadband switch management
124pp E 14311 F 14312 S 14313 49 CHF
- Q.824.7 (02/00)** Stage 2 and stage 3 description for the Q3 interface – Customer administration: Enhanced Broadband Switch
32pp E 19875 F 19876 S 19877 17 CHF
- Q.825 (06/98)** Specification of TMN applications at the Q3 interface: Call detail recording
88pp E 14214 F 14215 S 14216 39 CHF
- Q.826 (02/00)** Stage 2 and Stage 3 Functional Specification of Call Routing Information Management on Operation System/Network Element (OS/NE) Interface
145pp E 19915 F 19916 S 19917 55 CHF
- Q.831 (10/97)** Fault and performance management of V5 interface environments and associated customer profiles
52pp E 12478 F 12479 S 12480 29 CHF
- Q.831 (1997) Corrigendum 1 (03/01)**
- Q.831.1 (02/00)** Access Management for V5
56pp E 19801 F 19802 S 19803 29 CHF
- Q.832.1 (06/98)** VB5.1 Management
52pp E 14146 F 14147 S 14148 29 CHF
- Q.832.1 (1998) Corrigendum 1 (03/01)**
- Q.832.2 (03/99)** VB5.2 Management
40pp E 15898 F 15899 S 15900 22 CHF
- Q.832.3 (01/01)** Broadband access coordination
60pp E 20717 F 20718 S 20719 29 CHF
- Q.833.1 (01/01)** Asymmetric digital subscriber line (ADSL) – Network element management: CMIP model
52pp E 21404 F 21405 S 21406 22 CHF
- Q.834.1 (04/01)** ATM-PON requirements and managed entities for the network element view
144pp E 21656 F 21657 S 21658 55 CHF
- Q.834.2 (04/01)** ATM PON requirements and managed entities for the network view
58pp E 20714 F 20715 S 20716 29 CHF
- Q.834.3 (11/01)** A UML description for management interface requirements for broadband Passive Optical Networks
170pp E 22545 F 22546 S 22547 73 CHF
- Q.834.4 (07/03)** A CORBA interface specification for Broadband Passive Optical Networks based on UML interface requirements
198pp E 23900 73 CHF
- Q.835 (03/99)** Line and line circuit test management of ISDN and analogue customer accesses
76pp E 16164 F 16166 S 16167 34 CHF
- Q.835 (1999) Corrigendum 1 (03/01)**
Corrigendum 1 to Recommendation Q.835
- Q.836.1 (02/00)** SSF management information model
68pp E 19162 F 19166 S 19168 29 CHF
- ## Digital subscriber Signalling System No. 1
- ### General
- Q.850 (05/98)** Usage of cause and location in the Digital Subscriber Signalling System No. 1 and the Signalling System No. 7 ISDN User Part
32pp E 14218 F 14219 S 14220 17 CHF
- Q.850 Addendum 1 (06/00)** Addendum 1
4pp E 19704 F 19705 S 19706 9 CHF
- Q.850 (1998) Amendment 1 (07/01)** Usage of cause and location in the Digital Subscriber Signalling System No. 1 (DSS1) and the Signalling System No. 7 ISDN user part (ISUP)
8pp E 21579 F 21580 S 21581 9 CHF
- Q.860 (06/00)** Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's
38pp E 20009 F 20010 S 20011 17 CHF

Data link layer

Q.920 (03/93) ISDN user-network interface data link layer – General aspects

This Recommendation is also included but not published in I series under alias number I.440

20pp E 4353 F 4352 S 4354 15 CHF

Q.920 (1993) Amendment 1 (06/00)

10pp E 19680 F 19681 S 19682 9 CHF

Q.921 (09/97) ISDN user-network interface – Data link layer specification

This Recommendation is also included but not published in I series under alias number I.441.

268pp E 13327 F 13328 S 13329 96 CHF

Q.921 (1997) Amendment 1 (06/00)

16pp E 19524 F 19525 S 19526 12 CHF

Q.921bis (03/93) Abstract test suite for LAPD conformance testing

This Recommendation includes 5 diskettes containing postscript files of ATS for testing conformance of basic rate user side equipment to Rec. Q.921.

10pp E 10162 F 10163 S 10164 111 CHF

Q.922 (02/92) ISDN data link layer specification for frame mode bearer services

109pp E 2808 F 2770 S 2843 38 CHF

Q.923 (02/95) Specification of a synchronization and coordination function for the provision of the OSI connection-mode network service in an ISDN environment

28pp E 6033 F 6032 S 6034 15 CHF

Network layer

Q.930 (03/93) ISDN user-network interface layer 3 – General aspects

This Recommendation is also included but not published in I series under alias number I.450

3pp E 4997 F 4996 S 4998 8 CHF

Q.931 (05/98) ISDN user-network interface layer 3 specification for basic call control

This Recommendation is also included but not published in I series under alias number I.451

344pp E 15605 F 15606 S 15607 124 CHF

Q.931 (1998) Amendment 1 (12/02) Extensions for the support of digital multiplexing equipment

24pp E 23874 F 23875 S 23876 17 CHF

Q.932 (05/98) Digital subscriber signalling system No. 1 – Generic procedures for the control of ISDN supplementary services

This Recommendation is also included but not published in I series under alias number I.452.

124pp E 14512 F 14513 S 14514 49 CHF

Q.932 (1998) Amendment 1 (06/00)

22pp E 19590 F 19591 S 19592 17 CHF

Q.933 (02/03) Digital Subscriber Signalling System No. 1 (DSS 1) – Signalling specifications for frame mode switched and permanent virtual connection control and status monitoring

44pp E 24051 F 24052 S 24053 22 CHF

Q.933bis (10/95) Abstract test suite – Signalling specification for frame mode basic call control conformance testing for permanent virtual connections (PVCs)

This Recommendation includes one diskette containing Abstract test suites Section II corresponding to additional procedures for PVCs as per ITU-T Q.933 Annex A.

8pp E 13374 49 CHF

Q.939 (03/93) Typical DSS 1 service indicator codings for ISDN telecommunications services

49pp E 5017 F 5016 S 5018 24 CHF

User-network management

Q.940 (11/88) ISDN user-network interface protocol for management – General aspects

Blue Book – Fascicle VI.11 (see: List of Books in force)

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Q.941 (03/93) ISDN user-network interface protocol profile for management

9pp E 4458 F 4457 S 4459 11 CHF

Stage 3 description for supplementary services using DSS1

Q.950 (06/00) Supplementary services protocols, structure and general principles

28pp E 19596 F 19597 S 19598 17 CHF

Q.951 Stage 3 description for number identification supplementary services using DSS 1

Q.951.1 (02/92) Stage 3 description for number identification supplementary services using DSS 1: Direct-dialling-in (DDI)

Q.951 parts 1, 2 and 8 published together

4pp E 2613 F 2643 S 2674 11 CHF

Q.951.2 (02/92) Stage 3 description for number identification supplementary services using DSS 1: Multiple subscriber number (MSN)

Q.951 parts 1, 2 and 8 published together

5pp E 2613 F 2643 S 2674 11 CHF

Q.951.3 (03/93) Stage 3 description for number identification supplementary services using DSS 1: Calling line identification presentation

Q.951 parts 3-6 published together

13pp E 5026 F 5025 S 5027 20 CHF

Q.951.4 (03/93) Stage 3 description for number identification supplementary services using DSS 1: Calling line identification restriction

Q.951 parts 3-6 published together

6pp E 5026 F 5025 S 5027 20 CHF

Q.951.5 (03/93) Stage 3 description for number identification supplementary services using DSS 1: Connected line identification presentation

Q.951 parts 3-6 published together

14pp E 5026 F 5025 S 5027 20 CHF

Q.951.6 (03/93) Stage 3 description for number identification supplementary services using DSS 1: Connected line identification restriction

Q.951 parts 3-6 published together

6pp E 5026 F 5025 S 5027 20 CHF

Q.951.7 (06/97) Stage 3 description for number identification supplementary services using DSS 1: Malicious Call Identification (MCID)

16pp E 11919 F 11920 S 11921 12 CHF

Q.951.8 (02/92) Stage 3 description for number identification supplementary services using DSS 1: Sub-addressing (SUB)

Q.951 parts 1, 2 and 8 published together

5pp E 2613 F 2643 S 2674 11 CHF

Q.952 (03/93) Stage 3 description for call offering supplementary services using DSS 1 – Diversion supplementary services

66pp E 5092 F 5091 S 5093 29 CHF

Q.952.7 (06/97) Stage 3 description for call offering supplementary services using DSS 1 – Explicit Call Transfer (ECT)

52pp E 11967 F 11968 S 11969 29 CHF

Q.953 Stage 3 description for call completion supplementary services using DSS 1

Q.953.1 (02/92) Stage 3 description for call completion supplementary services using DSS 1: Call waiting

11pp E 2616 F 2647 S 2678 11 CHF

Q.953.2 (03/93) Stage 3 description for call completion supplementary services using DSS 1: Call hold

17pp E 4934 F 4933 S 4935 15 CHF

Q.953.3 (06/97) Stage 3 description for call completion supplementary services using DSS 1: Completion of Calls to Busy Subscribers (CCBS)

104pp E 12409 F 12410 S 12411 44 CHF

Q.953.4 (10/95) Stage 3 description for call completion supplementary services using DSS 1: Terminal Portability (TP)

12pp E 6904 F 6906 S 6905 12 CHF

Q.953.5 (12/99) Stage 3 description for call completion supplementary services using DSS 1: Call Completion on No Reply (CCNR)

This Recommendation includes one diskette containing the SDL process diagrams of DSS1 CCNR in machine processable form and in graphical form.

88pp E 17711 F 17712 S 17713 79 CHF

Q.954 Stage 3 description for multiparty supplementary services using DSS 1

Q.954.1 (03/93) Stage 3 description for multiparty supplementary services using DSS 1: Conference calling

Covering note, June 1999: Information note

43pp E 5065 F 5064 S 5066 24 CHF

Q.954.2 (10/95) Stage 3 description for multiparty supplementary services using DSS 1: Three-party (3PTY)

36pp E 7120 F 7121 S 7122 22 CHF

Q.955 Stage 3 description for community of interest supplementary services using DSS 1

Q.955.1 (02/92) Stage 3 description for community of interest supplementary services using DSS 1: Closed user group

21pp E 2619 F 2650 S 2681 17 CHF

Q.955.3 (03/93) Stage 3 description for community of interest supplementary services using DSS 1: Multi-level precedence and preemption (MLPP)

59pp E 5080 F 5079 S 5081 24 CHF

Q.956 Stage 3 description for charging supplementary services using DSS 1

Q.956.2 (10/95) Stage 3 description for charging supplementary services using DSS 1: Advice of charge

52pp E 6688 F 6689 S 6690 25 CHF

Q.956.3 (10/95) Stage 3 description for charging supplementary services using DSS 1: Reverse charging

36pp E 6506 F 6507 S 6508 20 CHF

Q.957 Stage 3 description for additional information transfer supplementary services using DSS 1

Q.957.1 (07/96) Stage 3 description for additional information transfer supplementary services using DSS 1: User-to-User Signalling (UUS)

36pp E 10730 F 10731 S 10732 22 CHF

Public Land Mobile Network

General

Q.1000 (11/88) Structure of the Q.1000-Series Recommendations for public land mobile networks

Blue Book – Fascicle VI.12 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Q.1001 (11/88) General aspects of public land mobile networks

Blue Book – Fascicle VI.12 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Q.1002 (11/88) Network functions

Blue Book – Fascicle VI.12 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Q.1003 (11/88) Location registration procedures

Blue Book – Fascicle VI.12 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Q.1004 (11/88) Location register restoration procedures

Blue Book – Fascicle VI.12 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Q.1005 (11/88) Handover procedures

Blue Book – Fascicle VI.12 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Interworking with ISDN and PSTN

Q.1031 (11/88) General signalling requirements on interworking between the ISDN or PSTN and the PLMN

Blue Book – Fascicle VI.12 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Q.1032 (11/88) Signalling requirements relating to routing of calls to mobile subscribers

Blue Book – Fascicle VI.12 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Mobile Application Part

Q.1051 (11/88) Withdrawn (03.93)

Mobile application Part

This Recommendation was made for second generation of mobile systems. For this generation, three specifications have been developed by regional standards organizations. These implementations were complying with the philosophy of intentions of the Q.1000-Series of Recommendations, but they were modified and enhanced to include new functions and to handle regional network dependant features. These regional specifications supersede ITU-T Q.1051 (1988)

Digital PLMN user-network interfaces

Q.1061 (11/88) General aspects and principles relating to digital PLMN access signalling reference points

Blue Book – Fascicle VI.13 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Q.1062 (11/88) Digital PLMN access signalling reference configurations

Blue Book – Fascicle VI.13 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Q.1063 (11/88) Digital PLMN channel structures and access capabilities at the radio interface (Um reference point)

Blue Book – Fascicle VI.13 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Interworking with satellite mobile systems

Interworking with Standard-A INMARSAT system

Q.1100 (03/93) Structure of the Recommendations on the INMARSAT mobile satellite systems

2pp E 4075 F 4074 S 4076 8 CHF

Q.1101 (11/88) General requirements for the interworking of the terrestrial telephone network and INMARSAT Standard A system

Blue Book – Fascicle VI.14 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Q.1102 (11/88) Interworking between Signalling System R2 and INMARSAT Standard A system

Blue Book – Fascicle VI.14 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Q.1103 (11/88) Interworking between Signalling System No. 5 and INMARSAT Standard A system

Blue Book – Fascicle VI.14 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Interworking with Standard-B INMARSAT system

Q.1111 (03/93) Interfaces between the INMARSAT Standard B system and the international public switched telephone network/ISDN

22pp E 4461 F 4460 S 4462 15 CHF

Q.1112 (03/93) Procedures for interworking between INMARSAT Standard-B system and the international public switched telephone network/ISDN

57pp E 4677 F 4676 S 4678 24 CHF

Interworking with the INMARSAT aeronautical mobile-satellite system

Q.1151 (03/93) Interfaces for interworking between the INMARSAT aeronautical mobile-satellite system and the international public switched telephone network/ISDN

20pp E 4356 F 4355 S 4357 15 CHF

Q.1152 (03/93) Procedures for interworking between INMARSAT aeronautical mobile satellite system and the international public switched telephone network/ISDN

55pp E 4464 F 4463 S 4465 24 CHF

Intelligent Network

Q.1200 (09/97) General series Intelligent Network Recommendation structure

12pp E 14314 F 14315 S 14316 12 CHF

I.312/Q.1201 (10/92) Principles of intelligent network architecture

This Recommendation is published with the double number Q.1201 and I.312

33pp E 3246 F 3245 S 3247 20 CHF

I.328/Q.1202 (09/97) Intelligent network – Service plane architecture

This Recommendation is published with the double number Q.1202 and I.328

24pp E 12967 F 12968 S 12969 17 CHF

- I.329/Q.1203 (09/97)** Intelligent network – Global functional plane architecture
This Recommendation is published with the double number Q.1203 and I.329. For more details see I.329
16pp E 12911 F 12912 S 12913 12 CHF
- Q.1204 (03/93)** Intelligent network distributed functional plane architecture
24pp E 4041 F 4040 S 4042 15 CHF
- Q.1205 (03/93)** Intelligent network physical plane architecture
6pp E 3859 F 3858 S 3860 8 CHF
- Q.1208 (09/97)** General aspects of the Intelligent Network Application protocol
8pp E 12800 F 12801 S 12802 9 CHF
- Q.1210 (10/95)** Q.1210-series Intelligent network Recommendation structure
12pp E 6831 F 6832 S 6833 12 CHF
- Q.1211 (03/93)** Introduction to intelligent network capability set 1
30pp E 3920 F 3919 S 3921 15 CHF
- Q.1213 (10/95)** Global functional plane for intelligent network CS-1
44pp E 6986 F 6987 S 6988 20 CHF
- Q.1214 (10/95)** Distributed functional plane for intelligent network CS-1
312pp E 6941 F 6942 S 6943 99 CHF
- Q.1215 (10/95)** Physical plane for intelligent network CS-1
12pp E 6955 F 6956 S 6957 12 CHF
- Q.1218 (10/95)** Interface Recommendation for intelligent network CS-1
432pp E 7045 F 7046 S 7047 197 CHF
- Q.1218 Addendum 1 (09/97)** Definition for two new contexts in the SDF data model
4pp E 12830 F 12831 S 12832 9 CHF
- Q.1219 (04/94)** Intelligent network user's guide for capability set 1
204pp E 5459 F 5458 S 5460 75 CHF
- Q.1220 (09/97)** Q.1220-series Intelligent Network Capability Set 2 Recommendation structure
24pp E 15548 F 15549 S 15550 17 CHF
- Q.1221 (09/97)** Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's
44pp E 12803 F 12804 S 12805 22 CHF
- Q.1222 (09/97)** Service plane for Intelligent Network Capability Set 2
12pp E 12833 F 12834 S 12835 12 CHF
- Q.1223 (09/97)** Global functional plane for Intelligent Network Capability Set 2
108pp E 12782 F 12783 S 12784 44 CHF
- Q.1224 (09/97)** Distributed functional plane for intelligent network Capability Set 2
This Recommendation is published in three fascicles.
712pp E 13620 F 13621 S 13622 288 CHF
- Q.1225 (09/97)** Physical plane for Intelligent Network Capability Set 2
16pp E 12528 F 12529 S 12530 12 CHF
- Q.1228 (09/97)** Interface Recommendation for intelligent network Capability Set 2
This Recommendation includes 3 diskettes containing Q.1228 SDL diagrams in SDT source format and in PDF format.
968pp E 14620 F 14621 S 14622 310 CHF
- Q.1229 (03/99)** Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's
This Recommendation is published in 5 fascicles.
172pp E 17424 F 17425 S 17426 73 CHF
- Q.1231 (12/99)** Introduction to Intelligent Network Capability Set 3
32pp E 19224 F 19225 S 19226 17 CHF
- Q.1236 (12/99)** Intelligent Network Capability Set 3 – Management Information Model Requirements and Methodology
56pp E 18102 F 18103 S 18104 29 CHF
- Q.1237 (06/00)** Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's
96pp E 19918 F 19919 S 19920 39 CHF
- Q.1238 Interface Recommendation for intelligent network capability set 3*
- Q.1238.1 (06/00)** Interface Recommendation for intelligent network capability set 3: Common aspects
This Recommendation includes an electronic attachment containing the ASN.1 definitions for the IN CS-3 common aspects
84pp E 19878 F 19879 S 19880 89 CHF
- Q.1238.2 (06/00)** Interface Recommendation for intelligent network capability set 3: SCF-SSF interface
This Recommendation includes an electronic attachment containing the ASN.1 definitions and the SDL diagrams in machine processable forms and in pdf form for SCF-SFF interface
480pp E 20698 F 20699 S 20700 247 CHF

- Q.1238.3 (06/00)** Interface Recommendation for intelligent network capability set 3: SCF-SRF interface
This Recommendation includes an electronic attachment containing the ASN.1 definitions for the IN CS-3 SCF-SRF interface
84pp E 20315 F 20316 S 20317 89 CHF
- Q.1238.4 (06/00)** Interface Recommendation for intelligent network capability set 3: SCF-SDF interface
This Recommendation includes an electronic attachment containing the ASN.1 definitions for the IN CS-3 SCF-SDF interface
52pp E 20309 F 20310 S 20311 79 CHF
- Q.1238.5 (06/00)** Interface Recommendation for intelligent network capability set 3: SDF-SDF interface
This Recommendation includes an electronic attachment containing the ASN.1 definitions for the IN CS-3 SDF-SDF interface
72pp E 20295 F 20297 S 20303 84 CHF
- Q.1238.6 (06/00)** Interface Recommendation for intelligent network capability set 3: SCF-SCF interface
This Recommendation includes an electronic attachment containing the ASN.1 definitions for the IN CS-3 SCF-SCF interface
84pp E 20727 F 20728 S 20729 9 CHF
- Q.1238.7 (06/00)** Interface Recommendation for intelligent network capability set 3: SCF-CUSF interface
This Recommendation includes an electronic attachment containing the ASN.1 definitions for the IN CS-3 SCF-CUSF interface
66pp E 20322 F 20323 S 20324 79 CHF
- Q.1241 (07/01)** Introduction to Intelligent Network Capability Set 4
24pp E 21704 F 21705 S 21706 17 CHF
- Q.1244 (07/01)** Distributed functional plane for Intelligent Network Capability Set 4
67pp E 22242 F 22243 S 22244 29 CHF
- Q.1248 Interface Recommendation for Intelligent Network Capability Set 4*
- Q.1248.1 (07/01)** Interface Recommendation for Intelligent Network Capability Set 4: Common aspects
88pp E 22054 F 22055 S 22056 89 CHF
- Q.1248.2 (07/01)** Interface recommendation for Intelligent Network Capability Set 4: SCF-SSF Interface
144pp E 22376 F 22377 S 22378 95 CHF
- Q.1248.3 (07/01)** Interface recommendation for Intelligent Network Capability Set 4: Interface Recommendation for Intelligent Network Capability Set 4: SCF-SRF interface
92pp E 21955 F 21956 S 21957 89 CHF
- Q.1248.4 (07/01)** Interface Recommendation for Intelligent Network Capability Set 4: SCF-SDF interface
60pp E 22093 F 22094 S 22095 79 CHF
- Q.1248.5 (07/01)** Interface recommendation for Intelligent Network Capability Set 4: Interface Recommendation for Intelligent Network Capability Set 4: SDF-SDF interface
76pp E 21758 F 21759 S 21760 84 CHF
- Q.1248.6 (07/01)** Interface Recommendation for Intelligent Network Capability Set 4: SCF-SCF interface
92pp E 21651 F 21652 S 21653 89 CHF
- Q.1248.7 (07/01)** Interface Recommendation for Intelligent Network capability set 4: SCF-CUSF Interface
65pp E 21488 F 21489 S 21490 79 CHF
- Q.1290 (05/98)** Glossary of terms used in the definition of intelligent networks
24pp E 13772 F 13773 S 13774 17 CHF
- Q.1300 (10/95)** Telecommunication applications for switches and computers (TASC) – General overview
16pp E 6891 F 6892 S 6893 12 CHF
- Q.1301 (10/95)** Telecommunication applications for switches and computers (TASC) – TASC Architecture
28pp E 6958 F 6959 S 6960 17 CHF
- Q.1302 (10/95)** Telecommunication applications for switches and computers (TASC) – TASC functional services
96pp E 6800 F 6803 S 6804 39 CHF
- Q.1303 (10/95)** Telecommunication applications for switches and computers (TASC) – TASC Management: Architecture, methodology and requirements
20pp E 6851 F 6852 S 6853 17 CHF
- Q.1400 (03/93)** Architecture framework for the development of signalling and OA&M protocols using OSI concepts
49pp E 6132 F 6131 S 6133 8 CHF

Q.1400 Addendum 1 (02/95) Architecture framework for the development of signalling and OAM protocols using OSI concepts

5pp E 4578 F 4577 S 4579 20 CHF

Q.1521 (06/00) Requirements on underlying networks and signalling protocols to support UPT

40pp E 19605 F 19606 S 19607 22 CHF

Q.1531 (06/00) Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's

28pp E 19967 F 19968 S 19969 17 CHF

Q.1541 (05/98) UPT stage 2 for Service Set 1 on IN CS1 – Procedures for universal personal telecommunication: Functional modelling and information flows

64pp E 14430 F 14431 S 14432 29 CHF

Q.1542 (06/00) Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's

95pp E 20067 F 20068 S 20069 39 CHF

Q.1551 (06/97) Application of Intelligent Network Application Protocols (INAP) CS1 for UPT Service Set 1

152pp E 12317 F 12318 S 12319 61 CHF

Q.1600 (09/97) Signalling system No. 7 – Interaction between ISUP and INAP

56pp E 12756 F 12757 S 12758 29 CHF

Q.1600bis (12/99) Signalling system No. 7 – Interaction between ISDN user part ISUP'97 and INAP CS1: Test suite structure and test purposes (TSS & TP)

This Recommendation includes an electronic attachment containing the ATS in machine processable form and in pdf form for ISUP'97/INAP CS-1 interaction

52pp E 19573 F 19574 S 19575 79 CHF

Q.1600bis (1999) Amendment 1 (12/00) Amendment 1

22pp E 21504 17 CHF

Q.1601 (12/99) Signalling system No. 7 – Interaction between N-ISDN and INAP CS2

56pp E 18943 F 18944 S 18945 29 CHF

Signalling requirements and protocols for IMT-2000

Q.1701 (03/99) Framework for IMT-2000 networks

24pp E 16183 F 16184 S 16185 17 CHF

Q.1702 (06/02) Long-term vision of network aspects for systems beyond IMT-2000

16pp E 22331 F 22332 S 22333 12 CHF

Q.1711 (03/99) Network functional model for IMT-2000

64pp E 16332 F 16333 S 16335 29 CHF

Q.1721 (06/00) Information flows for IMT-2000 capability set 1

180pp E 18871 F 18872 S 18873 73 CHF

Q.1731 (06/00) Radio-technology independent requirements for IMT-2000 layer 2 radio interface

28pp E 18309 F 18310 S 18311 17 CHF

Q.1741.1 (04/02) IMT-2000 references to release 1999 of GSM evolved UMTS core network with UTRAN access network

168pp E 22674 F 22675 S 22676 61 CHF

Q.1741.2 (12/02) IMT-2000 references to release 4 of GSM evolved UMTS core network with UTRAN access network

200pp E 24204 F 24205 S 24206 73 CHF

Q.1741.3 (09/03) IMT-2000 References to Release 5 of GSM evolved UMTS Core Network

254pp E 24197 96 CHF

Q.1742.1 (12/02) IMT-2000 references to ANSI-41 evolved core network with cdma2000 access network

54pp E 23683 F 23684 S 23685 29 CHF

Q.1742.2 (07/03) IMT-2000 references (approved as of 11 July 2002) to ANSI-41 evolved core network with cdma2000 access network

73pp E 24010 34 CHF

Q.1751 (06/00) Internetwork signalling requirements for IMT-2000 capability set 1

44pp E 18777 F 18778 S 18779 22 CHF

Specifications of signalling related to Bearer Independent Call Control (BICC)

Q.1901 (06/00) Bearer independent call control protocol
84pp E 19940 F 19941 S 19942 39 CHF

Q.1901 (2000) Corrigendum 1 (04/02)

Q.1902.1 (07/01) Bearer Independent Call Control protocol (Capability Set 2): Functional description
30pp E 21561 F 21562 S 21563 17 CHF

Q.1902.1 (2001) Amendment 1 (12/02) Support for the international emergency preference scheme
9pp E 23797 F 23798 S 23799 9 CHF

Q.1902.2 (07/01) Bearer Independent Call Control protocol (Capability Set 2) and Signalling System No. 7 ISDN user part: General functions of messages and parameters
38pp E 21806 F 21807 S 21808 22 CHF

Q.1902.2 (2001) Amendment 1 (12/02) Support for the International Emergency Preference Scheme
7pp E 23803 F 23804 S 23805 9 CHF

Q.1902.3 (07/01) Bearer independent call control protocol (Capability Set 2) and Signalling System No. 7 ISDN user part: Formats and codes
156pp E 21838 F 21839 S 21840 61 CHF

Q.1902.3 (2001) Amendment 1 (12/02) Support for the International Emergency Preference Scheme
7pp E 23777 F 23778 S 23779 9 CHF

Q.1902.4 (07/01) Bearer independent call control protocol (Capability Set 2): Basic call procedures
138pp E 22029 F 22030 S 22031 55 CHF

Q.1902.4 (2001) Corrigendum 1 (04/02)

Not published, directly consolidated with ITU-T Q.1902.4 (07/2001) text

Q.1902.4 (2001) Amendment 1 (12/02) Support for the International Emergency Preference Scheme
11pp E 23851 F 23852 S 23853 9 CHF

Q.1902.5 (07/01) Bearer Independent Call Control protocol (Capability Set 2): Exceptions to the application transport mechanism in the context of BICC
12pp E 21666 F 21667 S 21668 9 CHF

Q.1902.6 (07/01) Bearer Independent Call Control protocol (Capability Set 2): Generic signalling procedures for the support of the ISDN user part supplementary services and for bearer redirection
21pp E 21767 F 21768 S 21769 17 CHF

Q.1912.1 (07/01) Interworking between Signalling System No. 7 ISDN user part and the Bearer Independent Call Control protocol
16pp E 21669 F 21670 S 21671 12 CHF

Q.1912.2 (07/01) Interworking between selected signalling systems (PSTN access, DSS1, C5, R1, R2, TUP) and the Bearer Independent Call Control protocol
14pp E 21718 F 21719 S 21720 12 CHF

Q.1912.3 (07/01) Interworking between H.323 and the Bearer Independent Call Control protocol
16pp E 21672 F 21673 S 21674 12 CHF

Q.1912.4 (07/01) Interworking between Digital Subscriber Signalling System No. 2 and the Bearer Independent Call Control protocol
12pp E 21675 F 21676 S 21677 9 CHF

Q.1922.2 (07/01) Interaction between the Intelligent Network application protocol Capability set 2 and the Bearer independent call control protocol
12pp E 21660 F 21661 S 21662 9 CHF

Q.1922.4 (12/02) Interaction between the Intelligent Network application CS4 protocol and the Bearer Independent Call Control protocol
68pp E 23905 F 23906 S 23907 29 CHF

Q.1930 (04/02) BICC Access Network Protocol
82pp E 22723 F 22724 S 22725 34 CHF

Q.1950 (12/02) Bearer independent call bearer control protocol
106pp E 23863 F 23864 S 23865 44 CHF

Q.1970 (07/01) BICC IP Bearer control protocol
16pp E 21546 F 21547 S 21548 12 CHF

Q.1990 (07/01) BICC Bearer Control Tunnelling Protocol
14pp E 21678 F 21679 S 21680 12 CHF

Broadband ISDN

General aspects

Q.2010 (02/95) Broadband integrated services digital network overview – Signalling capability set 1, release 1
8pp E 5924 F 5923 S 5925 11 CHF

Signalling ATM adaptation layer (SAAL)

Q.2100 (07/94) B-ISDN signalling ATM adaptation layer (SAAL) – Overview description
3pp E 5588 F 5587 S 5589 8 CHF

Q.2110 (07/94) B-ISDN ATM adaptation layer – Service specific connection oriented protocol (SSCOP)
95pp E 5674 F 5673 S 5675 39 CHF

Q.2111 (12/99) Service specific connection oriented protocol in a multi-link and connectionless environment (SSCOPMCE)
120pp E 20058 F 20059 S 20060 49 CHF

Q.2111 (1999) Amendment 1 (07/01) Amendment 1 – B-ISDN ATM adaptation layer – Service specific connection oriented protocol in a multilink and connectionless environment (SSCOPMCE)
48pp E 21898 F 21899 S 21900 22 CHF

Q.2111 (1999) Amendment 2 (04/02) API for SSCOPMCE over Ethernet
26pp E 22401 F 22402 S 22403 17 CHF

Q.2119 (07/96) B-ISDN ATM adaptation layer – Convergence function for SSCOP above the frame relay core service
16pp E 10452 F 10453 S 10454 12 CHF

Q.2120 (02/95) B-ISDN meta-signalling protocol
56pp E 6044 F 6043 S 6045 24 CHF

Q.2130 (07/94) B-ISDN signalling ATM adaptation layer – Service specific coordination function for support of signalling at the user-network interface (SSCF at UNI)
54pp E 5677 F 5676 S 5678 25 CHF

Q.2140 (02/95) B-ISDN ATM adaptation layer – Service specific coordination function for signalling at the network node interface (SSCF AT NNI)
61pp E 6135 F 6134 S 6136 25 CHF

Q.2144 (10/95) B-ISDN signalling ATM adaptation layer – Layer management for the SAAL at the network node interface
32pp E 7096 F 7097 S 7098 17 CHF

Q.2150.0 (05/01) Generic signalling transport service
14pp E 20804 F 20805 S 20806 12 CHF

Q.2150.1 (05/01) Signalling Transport Converter on MTP3 and MTP3b
36pp E 20678 F 20679 S 20680 22 CHF

Q.2150.2 (05/01) Signalling transport converter on SSCOP and SSCOPMCE
34pp E 20794 F 20795 S 20796 22 CHF

Q.2150.3 (12/02) Signalling transport converter on SCTP
22pp E 23818 F 23819 S 23820 17 CHF

Signalling network protocols

Q.2210 (07/96) Message transfer part level 3 functions and messages using the services of ITU-T Recommendation Q.2140
28pp E 10106 F 10107 S 10108 17 CHF

Q.2220 (12/02) Transport-Independent Signalling Connection Control Part (TI-SCCP)
52pp E 23030 22 CHF

Common aspects of B-ISDN application protocols for access signalling and network signalling and interworking

Q.2610 (12/99) Usage of cause and location in B-ISDN user part and DSS2
8pp E 17657 F 17658 S 17659 9 CHF

Q.2630.1 (12/99) AAL type 2 signalling protocol (Capability Set 1)
88pp E 19430 F 19431 S 19432 39 CHF

Q.2630.1 Annex B (03/01) Annex B: SDL definition of the AAL type 2 signalling protocol CS-1
70pp E 20867 F 20868 S 20869 34 CHF

Q.2630.2 (12/00) AAL type 2 signalling protocol – Capability Set 2

56pp E 20864 F 20865 S 20866 29 CHF

Q.2630.2 Annex D (04/02) Annex D: SDL definition of the AAL type 2 signalling protocol CS-2

84pp E 23687 F 23688 S 23689 34 CHF

Q.2650 (12/99) Interworking between Signalling System No. 7 broadband ISDN User Part (B-ISUP) and digital subscriber Signalling System No. 2 (DSS 2)

44pp E 18785 F 18786 S 18787 22 CHF

Q.2660 (12/99) Interworking between signalling system No. 7 broadband ISDN User Part (B-ISUP) and narrow-band ISDN User Part (N-ISUP)

36pp E 17764 F 17765 S 17766 22 CHF

B-ISDN application protocols for the network signalling

Q.2721.1 (07/96) Withdrawn (05.00)

B-ISDN user part – Overview of the B-ISDN Network Node Interface Signalling Capability Set 2, Step 1

The content of this Rec. is now covered by ITU-T Recs. Q.2761, Q.2762, Q.2763 and Q.2764 approved in 12/1999

24pp E 10568 F 10569 S 10570 17 CHF

Q.2722.1 (07/96) B-ISDN User Part – Network Node Interface specification for point-to-multipoint call/connection control

68pp E 10630 F 10631 S 10632 34 CHF

Q.2722.1 (1996) Amendment 1 (06/00)

8pp E 19737 F 19738 S 19739 9 CHF

Q.2723.1 (07/96) Withdrawn (05.00)

B-ISDN User Part – Support of additional traffic parameters for Sustainable Cell Rate and Quality of Service

The contents of this Rec. is now covered by ITU-T Recs. Q.2761, Q.2762, Q.2763 and Q.2764 approved in 12/1999

Q.2723.3 (09/97) Withdrawn (05.00)

Extensions to the B-ISDN User Part – Signalling capabilities to support traffic parameters for the Available Bit Rate (ABR) ATM transfer capability

The contents of this Rec. is now covered by ITU-T Recs. Q.2761, Q.2762, Q.2763 and Q.2764 approved in 12/1999

16pp E 12722 F 12723 S 12724 12 CHF

Q.2723.5 (03/99) Withdrawn (05.00)

B-ISDN User Part – Support of cell delay variation tolerance indication

The contents of this Rec. is now covered by ITU-T Recs. Q.2761, Q.2762, Q.2763 and Q.2764 approved in 12/1999

16pp E 16543 F 16544 S 16545 12 CHF

Q.2723.6 (05/98) Withdrawn (05.00)

Extensions to the Signalling System No. 7 B-ISDN User Part – Signalling capabilities to support the indication of the Statistical Bit Rate configuration 2 (SBR 2) and 3 (SBR 3) ATM transfer capabilities

The contents of this Rec. is now covered by ITU-T Recs. Q.2761, Q.2762, Q.2763 and Q.2764 approved in 12/1999

8pp E 13601 F 13602 S 13603 9 CHF

Q.2724.1 (07/96) B-ISDN User Part – Look-ahead without state change for the Network Node Interface

32pp E 10761 F 10762 S 10763 17 CHF

Q.2725.1 (05/98) Withdrawn (05.00)

B-ISDN User Part – Support of negotiation during connection setup

The contents of this Rec. is now covered by ITU-T Recs. Q.2761, Q.2762, Q.2763 and Q.2764 approved in 12/1999

16pp E 13715 F 13716 S 13717 12 CHF

Q.2725.2 (07/96) Withdrawn (05.00)

B ISDN User Part – Modification procedures

The contents of this Rec. is now covered by ITU-T Recs. Q.2761, Q.2762, Q.2763 and Q.2764 approved in 12/1999

28pp E 10807 F 10808 S 10809 22 CHF

Q.2725.3 (09/97) Withdrawn (05.00)

Extensions to the B-ISDN User Part – Modification procedures for sustainable cell rate parameters

The contents of this Rec. is now covered by ITU-T Recs. Q.2761, Q.2762, Q.2763 and Q.2764 approved in 12/1999

12pp E 12598 F 12599 S 12600 12 CHF

Q.2725.4 (05/98) Withdrawn (05.00)

Extensions to the Signalling System No. 7 B-ISDN User Part – Modification procedures with negotiation

The contents of this Rec. is now covered by ITU-T Recs. Q.2761, Q.2762, Q.2763 and Q.2764 approved in 12/1999

16pp E 13718 F 13719 S 13720 12 CHF

Q.2726.1 (07/96) Withdrawn (05.00)

B-ISDN user part – ATM end system address

The contents of this Rec. is now covered by ITU-T Recs. Q.2761, Q.2762, Q.2763 and Q.2764 approved in 12/1999

16pp E 10492 F 10493 S 10494 12 CHF

Q.2726.2 (07/96) B-ISDN user part – Call priority

12pp E 10574 F 10576 S 10577 12 CHF

Q.2726.3 (07/96) B-ISDN user part – Network generated session identifier

12pp E 10575 F 10578 S 10579 12 CHF

Q.2726.4 (06/00) Extensions to the B-ISDN User Part – Application generated identifiers

12pp E 19448 F 19449 S 19450 12 CHF

Q.2727 (07/96) Withdrawn (05.00)

B-ISDN user part – Support of frame relay

The contents of this Rec. is now covered by ITU-T Recs. Q.2761, Q.2762, Q.2763 and Q.2764 approved in 12/1999

12pp E 10455 F 10456 S 10457 12 CHF

Q.2730 (12/99) Signalling system No. 7 B-ISDN user part (B-ISUP) – Supplementary services

40pp E 17684 F 17685 S 17686 22 CHF

*Q.2735 Stage 3 description for community of interest supplementary services for B-ISDN using SS No. 7***Q.2735.1 (06/97) Stage 3 description for community of interest supplementary services for B-ISDN using SS No. 7: Closed User Group (CUG)**

20pp E 12022 F 12023 S 12024 17 CHF

Q.2751.1 (09/97) Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's

64pp E 12668 F 12669 S 12670 29 CHF

Q.2761 (12/99) Functional description of the B-ISDN user part (B-ISUP) of signalling system No. 7

40pp E 18774 F 18775 S 18776 22 CHF

Q.2761 (1999) Amendment 1 (12/02) Support for the International Emergency Preference Scheme

9pp E 23880 F 23881 S 23882 9 CHF

Q.2762 (12/99) General functions of messages and signals of the B-ISDN user part (B-ISUP) of Signalling System No. 7

36pp E 18720 F 18721 S 18722 22 CHF

Q.2762 (1999) Amendment 1 (12/02) Support for the International Emergency Preference Scheme

7pp E 23800 F 23801 S 23802 9 CHF

Q.2763 (12/99) Signalling System No. 7 B-ISDN User Part (B-ISUP) – Formats and codes

94pp E 19668 F 19669 S 19670 39 CHF

Q.2763 (1999) Amendment 1 (12/02) Support for the International Emergency Preference Scheme

3pp E 23038 9 CHF

Q.2764 (12/99) Signalling System No. 7 B-ISDN User Part (B-ISUP) – Basic call procedures

200pp E 19636 F 19637 S 19638 73 CHF

Q.2764 (1999) Amendment 1 (12/02) Support for the international emergency preference scheme

11pp E 23825 F 23826 S 23827 9 CHF

Q.2765 (12/99) Signalling System No. 7 B-ISDN User Part (B-ISUP) – Application transport mechanism (APM)

16pp E 19053 F 19054 S 19055 12 CHF

Q.2766.1 (05/98) Switched virtual path capability

36pp E 14176 F 14177 S 14178 22 CHF

Q.2766.1 (1998) Amendment 1 (06/00)

12pp E 19779 F 19780 S 19781 12 CHF

Q.2767.1 (06/00) Soft PVC capability

24pp E 19549 F 19550 S 19551 17 CHF

Q.2769.1 (06/00) Support of number portability information across B-ISUP

16pp E 19822 F 19823 S 19824 12 CHF

*B-ISDN application protocols for access signalling***Q.2931 (02/95) Digital Subscriber Signalling System No. 2 – User-Network Interface (UNI) layer 3 specification for basic call/connection control***Modified by ITU-T Q.2971 (10/1995).*

248pp E 6312 F 6313 S 6314 80 CHF

- Q.2931 (1995) Amendment 1 (06/97)**
8pp E 12025 F 12026 S 12027 9 CHF
- Q.2931 (1995) Amendment 2 (03/99)**
20pp E 16616 F 16617 S 16618 17 CHF
- Q.2931 (1995) Amendment 3 (03/99)**
8pp E 16604 F 16605 S 16606 9 CHF
- Q.2931 (1995) Amendment 4 (12/99)**
80pp E 19409 F 19410 S 19411 34 CHF
- Q.2931 (1995) Amendment 2 Corrigendum 1 (06/00)**
- Q.2931B (12/00)** Broadband integrated services digital network (B-ISDN) – Digital subscriber signalling system No. 2 (DSS 2) – User-network interface (UNI) layer 3 specification for basic call/connection control: Protocol implementation conformance statement (PICS) proforma
34pp E 20419 22 CHF
- Q.2931C (12/00)** Broadband integrated services digital network (B-ISDN) – Digital subscriber signalling system No. 2 (DSS 2) – User-network interface (UNI) layer 3 specification for basic call/connection control: Test Suite Structure and Test Purposes (TSS & TP) for the user
12pp E 20360 9 CHF
- Q.2931D (12/00)** Broadband integrated services digital network (B-ISDN) – Digital subscriber signalling system No. 2 (DSS 2) – User-network interface (UNI) layer 3 specification for basic call/connection control: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the user
12pp E 20467 9 CHF
- Q.2931E (12/00)** Broadband integrated services digital network (B-ISDN) – Digital subscriber signalling system No. 2 (DSS 2) – User-network interface (UNI) layer 3 specification for basic call/connection control: Test Suite Structure and Test Purposes (TSS & TP) for the Network
12pp E 20470 9 CHF
- Q.2931F (12/00)** Broadband integrated services digital network (B-ISDN) – Digital subscriber signalling system No. 2 (DSS 2) – User-network interface (UNI) layer 3 specification for basic call/connection control – Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the network
12pp E 20422 F 20423 S 20424 12 CHF
- Q.2932 Digital subscriber signalling system No. 2 – Generic functional protocol*
- Q.2932.1 (07/96)** Digital subscriber signalling system No. 2 – Generic functional protocol: Core functions
100pp E 10153 F 10154 S 10155 44 CHF
- Q.2933 (07/96)** Digital Subscriber Signalling System No. 2 – Signalling specification for Frame Relay service
16pp E 10458 F 10459 S 10460 12 CHF
- Q.2934 (05/98)** Digital Subscriber Signalling System No. 2 – Switched virtual path capability
20pp E 14191 F 14192 S 14193 17 CHF
- Q.2939.1 (09/97)** Digital Subscriber Signalling System No. 2 – Application of DSS2 service-related information elements by equipment supporting B-ISDN services
12pp E 12671 F 12672 S 12673 12 CHF
- Q.2941.1 (09/97)** Digital Subscriber Signalling System No. 2 – Generic identifier transport
12pp E 12734 F 12735 S 12736 12 CHF
- Q.2941.2 (12/99)** Digital Subscriber Signalling System No. 2 – Generic identifier transport extensions
16pp E 18909 F 18910 S 18911 12 CHF
- Q.2941.3 (06/00)** Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's
8pp E 19451 F 19452 S 19453 9 CHF
- Q.2951 Stage 3 description for number identification supplementary services using B-ISDN digital subscriber signalling system No. 2 (DSS2) – Basic Call*
- Q.2951.1-8 (02/95)** Stage 3 description for number identification supplementary services using B-ISDN Digital Subscriber Signalling System No. 2 (DSS2) – Basic Call
E 6111 F 6110 S 6112 25 CHF
- Q.2951 (1995) Corrigendum 1 (05/98)**

Q.2951.9 (12/99) Stage 3 description for number identification supplementary services using B-ISDN digital subscriber signalling system No. 2 (DSS2) – Basic Call: Support of ATM end system addressing format by Number identification supplementary services

16pp E 18894 F 18895 S 18896 12 CHF

Q.2955 Stage 3 description for community of interest supplementary services using B-ISDN digital subscriber signalling system No. 2 (DSS2)

Q.2955.1 (06/97) Stage 3 description for community of interest supplementary services using B-ISDN digital subscriber signalling system No. 2 (DSS2): Closed User Group (CUG)

24pp E 12239 F 12240 S 12241 17 CHF

Q.2957 Stage 3 description for additional information transfer supplementary services using B-ISDN digital subscriber signalling system No. 2 (DSS2) – Basic call

Q.2957.1 (02/95) Stage 3 description for additional information transfer supplementary services using B-ISDN digital subscriber signalling system No. 2 (DSS2) – Basic call: User-to-user signalling (UUS)

Modified by ITU-T Q.2971 (10/1995).

10pp E 6010 F 6009 S 6011 11 CHF

Q.2957.1 (1995) Amendment 1 (12/99)

8pp E 18652 F 18653 S 18654 9 CHF

Q.2959 (07/96) Digital subscriber signalling system No. 2 – Call priority

16pp E 10495 F 10496 S 10497 12 CHF

Q.2961 Digital subscriber signalling system No. 2 – Additional traffic parameters

Q.2961B (12/00) Digital subscriber signalling system No. 2 (DSS 2) – Additional traffic parameters: Protocol implementation conformance statement (PICS) proforma

34pp E 20364 17 CHF

Q.2961C (12/00) Digital subscriber signalling system No. 2 (DSS 2) – Additional traffic parameters: Test Suite Structure and Test Purposes (TSS & TP) for the user

12pp E 20368 9 CHF

Q.2961D (12/00) Digital subscriber signalling system No. 2 (DSS 2) – Additional traffic parameters: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the user

12pp E 20371 9 CHF

Q.2961E (12/00) Digital subscriber signalling system No. 2 (DSS 2) – Additional traffic parameters: Test Suite Structure and Test Purposes (TSS & TP) for the network

12pp E 20374 9 CHF

Q.2961F (12/00) Digital subscriber signalling system No. 2 (DSS 2) – Additional traffic parameters: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the Network

12pp E 20377 9 CHF

Q.2961.1 (10/95) Digital subscriber signalling system No. 2 – Additional traffic parameters: Additional signalling capabilities to support traffic parameters for the tagging option and the sustainable cell rate parameter set

16pp E 6983 F 6984 S 6985 11 CHF

Q.2961.2 (06/97) Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's

16pp E 12302 F 12303 S 12304 12 CHF

Q.2961.2 (1997) Corrigendum 1 (03/99)

Q.2961.3 (09/97) Digital subscriber signalling system No. 2 – Additional traffic parameters: Signalling capabilities to support traffic parameters for the available bit rate (ABR) ATM transfer capability

20pp E 12806 F 12807 S 12808 17 CHF

Q.2961.4 (09/97) Digital subscriber signalling system No. 2 – Additional traffic parameters: Signalling capabilities to support traffic parameters for the ATM Block Transfer (ABT) ATM transfer capability

16pp E 12809 F 12810 S 12811 12 CHF

Q.2961.5 (03/99) Digital subscriber signalling system No. 2 – Additional traffic parameters: Additional traffic parameters for cell delay variation tolerance indication

20pp E 16607 F 16608 S 16609 17 CHF

Q.2961.6 (05/98) Digital subscriber signalling system No. 2 – Additional traffic parameters: Additional signalling procedures for the support of the SBR2 and SBR3 ATM transfer capabilities

12pp E 14169 F 14170 S 14171 12 CHF

Q.2962 (05/98) Digital Subscriber Signalling System No. 2 – Connection characteristics negotiation during call/connection establishment phase

16pp E 13721 F 13722 S 13723 12 CHF

Q.2962B (12/00) Digital subscriber signalling system No. 2 – Connection characteristics negotiation during call/connection establishment phase: Protocol Implementation Conformance Statement (PICS) proforma

12pp E 20380 9 CHF

Q.2962C (12/00) Digital subscriber signalling system No. 2 – Connection characteristics negotiation during call/connection establishment phase: Test Suite Structure and Test Purposes (TSS & TP) for the user

12pp E 20383 9 CHF

Q.2962D (12/00) Digital subscriber signalling system No. 2 – Connection characteristics negotiation during call/connection establishment phase: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the user

12pp E 20386 9 CHF

Q.2962E (12/00) Digital subscriber signalling system No. 2 – Connection characteristics negotiation during call/connection establishment phase: Test Suite Structure and Test Purposes (TSS & TP) for the network

12pp E 20464 9 CHF

Q.2962F (12/00) Digital subscriber signalling system No. 2 – Connection characteristics negotiation during call/connection establishment phase: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the network

12pp E 20389 9 CHF

Q.2963 Digital subscriber signalling system No. 2 – Connection modification

Q.2963.1 (12/99) Digital subscriber signalling system No. 2 – Connection modification: Peak cell rate modification by the connection owner

36pp E 18883 F 18884 S 18885 22 CHF

Q.2963.1B (12/00) Digital subscriber signalling system No. 2 – Connection modification: Peak cell rate modification by the connection owner: Protocol Implementation Conformance Statement (PICS) proforma

ITU-T Q.2963.1 B was previously numbered as Q.2963.1 bis during the approval process

12pp E 20345 9 CHF

Q.2963.1C (12/00) Digital subscriber signalling system No. 2 – Connection modification: Peak cell rate modification by the connection owner: Test Suite Structure and Test Purposes (TSS & TP) for the user

ITU-T Q.2963.1 C was previously numbered as Q.2963.1 ter during the approval process

12pp E 20348 9 CHF

Q.2963.1D (12/00) Digital subscriber signalling system No. 2 – Connection modification: Peak cell rate modification by the connection owner: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the user

ITU-T Q.2963.1 D was previously numbered as Q.2963.1 quater during the approval process

12pp E 20351 9 CHF

Q.2963.1E (12/00) Digital subscriber signalling system No. 2 – Connection modification: Peak cell rate modification by the connection owner: Test Suite Structure and Test Purposes (TSS & TP) for the network

ITU-T Q.2963.1 E was previously numbered as Q.2963.1 quinques during the approval process

12pp E 20354 9 CHF

Q.2963.1F (12/00) Digital subscriber signalling system No. 2 – Connection modification: Peak cell rate modification by the connection owner: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the network

ITU-T Q.2963.1 F was previously numbered as Q.2963.1 sexies during the approval process

12pp E 20357 9 CHF

Q.2963.2 (09/97) Digital subscriber signalling system No. 2 – Connection modification: Modification procedures for sustainable cell rate parameters

12pp E 12565 F 12566 S 12567 12 CHF

Q.2963.3 (05/98) Digital subscriber signalling system No. 2 – Connection modification: ATM traffic descriptor modification with negotiation by the connection owner

16pp E 14149 F 14150 S 14151 12 CHF

Q.2964.1 (07/96) Basic Look-Ahead

20pp E 10654 F 10655 S 10656 17 CHF

Q.2965.1 (03/99) Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's

12pp E 16610 F 16611 S 16612 12 CHF

Q.2965.1 (1999) Amendment 1 (06/00)

8pp E 19707 F 19708 S 19709 9 CHF

Q.2965.1B (12/00) Digital subscriber signalling system No. 2 – Support of Quality of Service classes: Protocol Implementation Conformance Statement (PICS) proforma

ITU-T Q.2965 B was previously numbered as Q.2965.1 bis during the approval process

22pp E 20527 F 20528 S 20529 17 CHF

Q.2965.2 (12/99) Digital Subscriber Signalling System No. 2 – Signalling of individual Quality of Service parameters

20pp E 18880 F 18881 S 18882 17 CHF

Q.2965.2B (12/00) Digital subscriber signalling system No. 2 – Signalling of individual Quality of Service parameters: Protocol Implementation Conformance Statement (PICS) proforma

ITU-T Q.2965 B was previously numbered as Q.2965.2 bis during the approval process

26pp E 20446 F 20447 S 20448 17 CHF

Q.2971 (10/95) Digital Subscriber Signalling System No. 2 (DSS2) – User-network interface layer 3 specification for point-to-multipoint call/connection control

Modifies ITU-T Q.2931, Q.2951 and Q.2957.

172pp E 6944 F 6945 S 6946 65 CHF

Q.2971 (1999) Corrigendum 1 (12/99)

Q.2971C (12/99) Digital Subscriber signalling system No. 2 – User-network interface layer 3 specification for point-to-multipoint call/connection control: Test Suite Structure and Test Purposes (TSS & TP) for the user

ITU-T Q.2971 C was previously numbered as Q.2971 ter during the approval process

8pp E 18655 F 18656 S 18657 9 CHF

Q.2971D (12/99) Digital subscriber signalling system No. 2 – User-network interface layer 3 specification for point-to-multipoint call/connection control: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the user

ITU-T Q.2971 D was previously numbered as Q.2971 quater during the approval process

16pp E 18637 F 18638 S 18639 12 CHF

Q.2971E (12/99) Digital subscriber signalling system No. 2 – User-network interface layer 3 specification for point-to-multipoint call/connection control: Test Suite Structure and Test Purposes (TSS & TP) for the network

ITU-T Q.2971 E was previously numbered as Q.2971 quinquies during the approval process

12pp E 18640 F 18641 S 18642 12 CHF

Q.2971F (12/99) Digital Subscriber Signalling System No. 2 – User-network interface layer 3 specification for point-to-multipoint call/connection control: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the network

ITU-T Q.2971 F was previously numbered as Q.2971 sexies during the approval process

20pp E 18658 F 18659 S 18660 17 CHF

Q.2981 (12/99) Broadband integrated services digital network (B-ISDN) and broadband private integrated services network (B-PISN) – Call control protocol

68pp E 19546 F 19547 S 19548 34 CHF

Q.2982 (12/99) Broadband integrated services digital network (B-ISDN) – Digital Subscriber Signalling System No. 2 (DSS2) – Q.2931-based separated call control protocol

28pp E 17669 F 17670 S 17671 17 CHF

Q.2983 (12/99) Broadband integrated services digital network (B-ISDN) – Digital subscriber signalling No. 2 (DSS2) – Bearer control protocol

16pp E 17672 F 17673 S 17674 12 CHF

Q.2984 (12/99) Broadband integrated services digital network (B-ISDN) and broadband private integrated services network (B-PISN) – Pre-negotiation

24pp E 18780 F 18781 S 18782 17 CHF

Q.2991 Abstract test suite for the network integration testing for B-ISDN and B-ISDN/N-ISDN

Q.2991.1 (12/99) Abstract test suite for the network integration testing for B-ISDN and B-ISDN/N-ISDN: TSS & TP

This Recommendation includes an electronic attachment containing Test Purpose list for network integration testing

16pp E 19661 F 19662 S 19663 62 CHF

Q.2991.2 (12/99) Abstract test suite for the network integration testing for B-ISDN and B-ISDN/N-ISDN: ICS & IXIT and ATS

This Recommendation includes an electronic attachment containing the ATS in machine processable form and in pdf form for network integration testing

40pp E 19614 F 19615 S 19616 72 CHF

Supplements to the Series Q Recommendations

Q.500 Series Supplement 1 (11/88) Definition of relative levels, transmission loss and attenuation/frequency distortion for digital exchanges with complex impedances at Z interfaces

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Q.500 Series Supplement 2 (11/88) Impedance strategy for telephone instruments and digital local exchanges in the British Telecom Network

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Formerly Suppl.1 to ITU-T Recommendation Q.1219

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- Suppl. 12 (12/99)** Technical Report TRQ.2100
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- Suppl. 13 (12/99)** Technical Report TRQ.2110
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- Suppl. 14 (12/99)** Technical Report TRQ.2120:
Coordinated call control and bearer control
signalling requirements – Third party coordinated
call and bearer control
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Operation of the bearer independant call control
(BICC) protocol with digital subscriber signalling
system No. 2 (DSS2)
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- Suppl. 23 (12/99)** Supplement to ITU-T Q.1901
Recommendation – Technical Report TRQ.3010:
Operation of the bearer independant call control
(BICC) protocol with AAL type 2 signalling protocol
(CS-1)
18pp E 19412 F 19413 S 19414 12 CHF
- Suppl. 24 (12/99)** Technical Report TRQ.3020:
Operation of the bearer independant call control
(BICC) protocol with broadband integrated services
digital network user part (B-ISUP) for AAL Type 1
adaptation
16pp E 19298 F 19299 S 19300 12 CHF
- Suppl. 25 (12/99)** Supplement to ITU-T Q.2900
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subscriber signalling system No. 2 (DSS2) – User-
network interface layer 3 – Overview of B-ISDN
DSS2 signalling capabilities
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- Suppl. 26 (12/99)** Broadband integrated services
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- Suppl. 28 (12/99)** Technical Report: Signalling and
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- Suppl. 31 (12/00)** Technical report TRQ.2141.0:
Signalling requirements for the support of
narrowband services over broadband transport
technologies – Capability set 2 (CS-2)
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- Suppl. 32 (11/02)** Technical Report TRQ.2141.1:
Signalling requirements for the support of narrow-
band services via broadband transport technologies –
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- Suppl. 33 (12/00)** Technical Report TRQ.2400:
Transport control signalling requirements –
Signalling requirements for AAL type 2 link control
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Suppl. 34 (12/00) Technical report TRQ.2410:
Signalling requirements capability set 1 for support
of IP bearer control in BICC networks

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Suppl. 35 (12/00) Technical report TRQ.2500:
Signalling requirements for the support of the call
bearer control interface (CS-1)

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Suppl. 36 (12/00) Technical report TRQ.3030:
Operation of the bearer independent call control
(BICC) protocol (CS-2) with IP bearer control
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Suppl. 38 (05/01) Technical report TRQ.2600 –
BICC signalling transport requirements, capability
set 1

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Suppl. 39 (03/02) Technical Report TRQ.2700:
Requirements for signalling in access networks that
support BICC

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Suppl. 40 (11/02) Technical Report: Reference
document on API/object interface between network
control and application layer

36pp E 23902 F 23903 S 23904 17 CHF

Suppl. 41 (11/02) Technical Report TRQ.2003:
Roadmap to the BICC protocol Recommendations,
BICC interworking Recommendations, and BICC
requirement supplements

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SERIES R

Telegraph transmission

Telegraph distortion

R.2 (11/88) Element error rate

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of a telegraph circuit in terms of the degrees of
distortion of the component links

2pp E 5044 F 5043 S 5045 8 CHF

Voice-frequency telegraphy

R.20 (11/88) Telegraph modem for subscriber lines

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.21 (08/96) 9600 bit/s modem standardized for use
in the telegraph TDM system

8pp E 9643 F 9644 S 9645 9 CHF

R.22 (08/96) Data over voice 19200 bit/s modem
standardized for use on telephone network subscriber
lines

8pp E 9716 F 9717 S 9718 9 CHF

R.30 (11/88) Transmission characteristic for
international VFT links

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.31 (11/88) Standardization of AMVFT systems for
a modulation rate of 50 bauds

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.35 (11/88) Standardization of FMVFT systems for
a modulation rate of 50 bauds

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.35bis (11/88) 50-baud wideband VFT systems

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.36 (11/88) Coexistence of 50-baud/120-Hz channels, 100-baud/240-Hz channels, 200-baud/360-Hz or 480-Hz channels on the same voice-frequency telegraph system

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.37 (11/88) Standardization of FMVFT systems for a modulation rate of 100 bauds

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.38 A (11/88) Standardization of FMVFT system for a modulation rate of 200 bauds with channels spaced at 480 Hz

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.38B (11/88) Standardization of FMVFT systems for a modulation rate of 200 bauds with channels spaced at 360 Hz usable on long intercontinental bearer circuits generally used with a 3-kHz spacing

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.39 (11/88) Voice-frequency telegraphy on radio circuits

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Special cases of alternating current telegraphy

R.40 (11/88) Coexistence in the same cable of telephony and super-telephone telegraphy

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.43 (11/88) Simultaneous communication by telephone and telegraph on a telephone-type circuit

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.44 (11/88) 6-unit synchronous time-division 2-3-channel multiplex telegraph system for use over FMVFT channels spaced at 120 Hz for connection to standardized teleprinter networks

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.49 (11/88) Interband telegraphy over open-wire 3-channel carrier systems

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Transmission quality

R.50 (11/88) Tolerable limits for the degree of isochronous distortion of code-independent 50-baud telegraph circuits

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.51 (11/88) Standardized text for distortion testing of the code-independent elements of a complete circuit

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.51bis (11/88) Standardized text for testing the elements of a complete circuit

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.52 (11/88) Standardization of international texts for the measurement of the margin of start-stop equipment

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.53 (11/88) Permissible limits for the degree of distortion on an international 50-baud/120-Hz VFT channel (frequency and amplitude modulation)

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.54 (03/93) Conventional degree of distortion tolerable for standardized start-stop 50-baud systems

2pp E 4572 F 4571 S 4573 8 CHF

R.55 (03/93) Conventional degree of distortion

1pp E 4539 F 4538 S 4540 8 CHF

R.56 (03/93) Telegraph distortion limits to be quoted in Recommendations for equipment and transmission plans

1pp E 4596 F 4595 S 4597 8 CHF

R.57 (11/88) Standard limits of transmission quality for planning code-independent international point-to-point telegraph communications and switched networks using 50-baud start-stop equipment

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

- R.58 (11/88)** Standard limits of transmission quality for the gextex and telex networks
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.58bis (11/88)** Limits on signal transfer delay for telegraph, telex and gextex networks
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.59 (11/88)** Interface requirements for 50-baud start-stop telegraph transmission in the maritime mobile satellite service
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Correction of signals

- R.60 (11/88)** Conditions to be fulfilled by regenerative repeaters for start-stop signals of International Telegraph Alphabet No. 2
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.62 (11/88)** Siting of regenerative repeaters in international telex circuits
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Telegraph maintenance

- R.70 (11/88)** Designation of international telegraph circuits
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.70bis (11/88)** Numbering of international VFT channels
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.71 (11/88)** Organization of the maintenance of international telegraph circuits
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.72 (11/88)** Periodicity of maintenance measurements to be carried out on the channels of international VFT systems
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.73 (11/88)** Maintenance measurements to be carried out on VFT systems
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

- R.74 (11/88)** Choice of type of telegraph distortion-measuring equipment
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.75 (11/88)** Maintenance measurements on code-independent international sections of international telegraph circuits
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.75bis (11/88)** Maintenance measurements of character error rate on international sections of international telegraph circuits
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.76 (11/88)** Reserve channels for maintenance measurements on channels of international VFT systems
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.77 (11/88)** Use of bearer circuits for voice-frequency telegraphy
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.78 (11/88)** Pilot channel for AMVFT systems
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.79 (11/88)** Automatic tests of transmission quality on telegraph circuits between switching centres
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.80 (11/88)** Causes of disturbances to signals in VFT channels and their effect on telegraph distortion
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.81 (11/88)** Maximum acceptable limit for the duration of interruption of telegraph channels arising from failure of the normal power supplies
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- R.82 (11/88)** Appearance of false calling and clearing signals in circuits operated by switched teleprinter services
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

R.83 (11/88) Changes of level and interruptions in VFT channels

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.90 (11/88) Organization for locating and clearing faults in international telegraph switched networks

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.91 (11/88) General maintenance aspects for the maritime satellite telex service

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Time-division multiplexing

R.100 (03/93) Transmission characteristics of international TDM links

4pp E 5206 F 5242 S 5278 8 CHF

R.101 (03/93) Code and speed dependent TDM system for anisochronous telegraph and data transmission using bit interleaving

14pp E 5300 F 5291 S 5314 11 CHF

R.102 (03/93) 4800 bit/s code and speed dependent and hybrid TDM systems for anisochronous telegraph and data transmission using bit interleaving

11pp E 5378 F 5377 S 5379 11 CHF

R.103 (11/88) Code and speed-dependent TDM 600 bit/s system for use in point-to-point or branch-line muldex configurations

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.105 (03/93) Duplex muldex concentrator, connecting a group of gentex and telex subscribers to a telegraph exchange by assigning virtual channels to time slots of a bit-interleaved TDM system

3pp E 5182 F 5233 S 5268 8 CHF

R.106 (08/95) Muldex unit for telegraph and low speed data transmission using TDM bit interleaving with an aggregate bit rate higher than 4800 bit/s

8pp E 6353 F 6354 S 6355 8 CHF

R.111 (03/93) Code and speed independent TDM system for anisochronous telegraph and data transmission

9pp E 5187 F 5236 S 5271 11 CHF

R.112 (03/93) TDM hybrid system for anisochronous telegraph and data transmission using bit interleaving

3pp E 5176 F 5230 S 5265 8 CHF

R.113 (03/93) Combined muldex for telegraphy and synchronous data transmission

5pp E 5178 F 5231 S 5266 8 CHF

R.114 (03/93) Numbering of international TDM channels

3pp E 5101 F 5100 S 5102 8 CHF

R.115 (03/93) Maintenance loops for TDM-systems

7pp E 5172 F 5227 S 5262 11 CHF

R.116 (11/88) Maintenance tests to be carried out on international TDM systems

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.117 (03/93) End-to-end error performance for telegraph, telex and gentex connections involving regenerative equipment

4pp E 5104 F 5103 S 5105 8 CHF

R.118 (03/93) Performance and availability monitoring in regenerative TDM

1pp E 4665 F 4664 S 4666 8 CHF

Transmission quality above 50 bauds

R.120 (11/88) Tolerable limits for the degree of isochronous distortion of code-independent telegraph circuits operating at modulation rates of 75, 100 and 200 bauds

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.121 (11/88) Standard limits of transmission quality for start-stop user classes of service 1 and 2 on anisochronous data networks

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

R.122 (11/88) Summary of transmission plans for rates up to 300 bauds

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Definitions

R.140 (11/88) Definitions of essential technical terms in the field of telegraph transmission

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Availability and reliability of international telegraph circuits

R.150 (11/88) Automatic protection switching of dual diversity bearers

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

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| SERIES S Telegraph services terminal equipment |
|---|

Start-stop terminals

S.1 (03/93) International Telegraph Alphabet No. 2

4pp E 4943 F 4942 S 4944 8 CHF

S.2 (11/88) Coding scheme using International Telegraph Alphabet No. 2 (ITA2) to allow the transmission of capital and small letters

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

S.3 (11/88) Transmission characteristics of the local end with its termination (ITA2)

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

S.4 (03/93) Special use of certain characters of the International Telegraph Alphabet No. 2

4pp E 5014 F 5013 S 5015 8 CHF

S.5 (11/88) Standardization of page-printing start-stop equipment and cooperation between page-printing and tape-printing start-stop equipment (ITA2)

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

S.6 (11/88) Characteristics of answerback units (ITA2)

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

S.7 (11/88) Control of teleprinter motors

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

S.8 (03/93) Intercontinental standardization of the modulation rate of start-stop apparatus and of the use of combination No. 4 in figure-shift

1pp E 4626 F 4625 S 4627 8 CHF

S.9 (11/88) Switching equipment of start-stop apparatus

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

S.10 (11/88) Transmission at reduced character transfer rate over a standardized 50-baud telegraph channel

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

S.11 (11/88) Use of start-stop reperforating equipment for perforated tape retransmission

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

S.12 (11/88) Conditions that must be satisfied by synchronous systems operating in connection with standard 50-baud teleprinter circuits

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

S.13 (11/88) Use on radio circuits of 7-unit synchronous systems giving error correction by automatic repetition

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

S.14 (11/88) Suppression of unwanted reception in radiotelegraph multi-destination teleprinter systems

Blue Book – Fascicle VII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

- S.15 (11/88)** Use of the telex network for data transmission at 50 bauds
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- S.16 (03/93)** Connection to the telex network of an automatic terminal using a V.24 DCE/DTE interface
11pp E 5089 F 5088 S 5090 11 CHF
- S.17 (11/88)** Answer-back unit simulators
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- S.18 (11/88)** Conversion between International Telegraph Alphabet No. 2 and International Alphabet No. 5
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- S.19 (11/88)** Calling and answering in the telex network with automatic terminal equipment
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- S.20 (03/93)** Automatic clearing procedure for a telex terminal
2pp E 4605 F 4604 S 4606 8 CHF
- S.21 (03/93)** Use of display screens in telex machines
2pp E 4608 F 4607 S 4609 8 CHF
- S.22 (03/93)** “Conversation impossible” and or pre-recorded message in response to J/BELL signals from a telex terminal
2pp E 4644 F 4643 S 4645 8 CHF
- S.23 (03/93)** Automatic request of the answerback of the terminal of the calling party, by the telex terminal of the called party or by the international network
2pp E 4623 F 4622 S 4624 8 CHF
- S.30 (11/88)** Standardization of basic model page-printing machine using International Alphabet No. 5
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- S.31 (11/88)** Transmission characteristics for start-stop data terminal equipment using International Alphabet No. 5
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

- S.32 (11/88)** Answer-back units for 200- and 300-baud start-stop machines in accordance with Recommendation S.30
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- S.33 (03/93)** Alphabets and presentation characteristics for the Intex service
5pp E 5038 F 5037 S 5039 8 CHF
- S.34 (03/93)** Intex terminals – Requirements to effect interworking with the international telex service
3pp E 4528 F 4527 S 4529 8 CHF
- S.35 (03/93)** Answerback coding for the Intex service
3pp E 4713 F 4712 S 4714 8 CHF
- S.36 (07/96)** INTEX and similar services – Terminal requirements to effect interworking between terminals operating at different speeds
4pp E 7459 F 7460 S 7461 9 CHF

Definitions

- S.140 (11/88)** Definitions of essential technical terms relating to apparatus for alphabetic telegraphy
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Supplements to the Series S Recommendations

- Suppl. 1 (11/88)** Minimal specifications for the bilingual (arabic/latin) teleprinter
Blue Book – Fascicle VII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

SERIES T Terminals for telematic services

- T.0 (07/96)** Classification of facsimile terminals for document transmission over the public networks
4pp E 7099 F 7100 S 7101 9 CHF

T.1 (11/88) Standardization of phototelegraph apparatus
Blue Book – Fascicle VII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

T.2 (11/88) Withdrawn (07.96)
Standardization of Group 1 facsimile apparatus for document transmission
Withdrawn in 07/1996 in recognition of the fact that Group 1 stand-alone terminals had not been manufactured for many years and that Group 3 facsimile terminals were the only type being used on the PSTN

T.3 (11/88) Withdrawn (07.96)
Standardization of Group 2 facsimile apparatus for document transmission
Withdrawn in 07/1996 in recognition of the fact that Group 2 stand-alone terminals had not been manufactured for many years and that Group 3 facsimile terminals were the only type being used on the PSTN

T.4 (07/03) Standardization of Group 3 facsimile terminals for document transmission
69pp E 24011 34 CHF

T.6 (11/88) Facsimile coding schemes and coding control functions for group 4 facsimile apparatus
Blue Book – Fascicle VII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

T.10 (11/88) Document facsimile transmissions on leased telephone-type circuits
Blue Book – Fascicle VII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

T.10bis (11/88) Document facsimile transmissions in the general switched telephone network
Blue Book – Fascicle VII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

T.11 (11/88) Withdrawn (10.96)
Phototelegraph transmissions on telephone-type circuit
This Recommendation was also included but not published in H series under alias number H.41. It was deleted after its content became technically out of date

T.12 (11/88) Withdrawn (10.96)
Range of phototelegraph transmissions on a telephone-type circuit
This Recommendation was also included but not published in H series under alias number H.42. It was deleted after its content became technically out of date

T.15 (11/88) Withdrawn (10.96)
Phototelegraph transmission over combined radio and metallic circuits
Deleted after its content became technically out of date

T.20 (11/88) Withdrawn (01.95)
Standardized test chart for facsimile transmissions
T.20 and T.21 are superseded by ITU-T T.22, and the test charts 1, 2 and 3 they described are replaced by test charts 4 and 5 of T.22

T.21 (11/88) Withdrawn (01.95)
Standardized test charts for document facsimile transmissions
T.20 and T.21 are superseded by ITU-T T.22, and the test charts 1, 2 and 3 they described are replaced by test charts 4 and 5 of T.22

T.22 (03/93) Standardized test charts for document facsimile transmissions
Figures reproducing test charts in T.22 Annex A are not suited for measurements. Original test charts are available from ITU sales department.
9pp E 4002 F 4001 S 4003 11 CHF

T.23 (04/94) Standardized colour test chart for document facsimile transmissions
Figure reproducing test charts in T.23 Annex A is not suited for measurements. Original test chart is available from ITU sales department.
7pp E 5591 F 5590 S 5592 11 CHF

T.24 (06/98) Standardized digitized image set
This Recommendation includes 2 CD-ROMs containing the digitized image set. Due to the data large volume, this Recommendation is not downloadable from the Electronic Bookshop and should be provided from ITU Sales department (Email Sales@itu.int). ITU-T Rec. T.24 text is downloadable free of charge for information purpose. The specimens reproduced inside this text are given for illustration purposes and are not suitable for measurements.
Free of charge from the Electronic Bookshop
62pp E 16670 F 16671 S 16672 154 CHF

T.24 (1998) Amendment 1 (02/00)

T.30 (07/03) Procedures for document facsimile transmission in the general switched telephone network
321pp E 23992 124 CHF

T.31 (08/95) Asynchronous facsimile DCE control – Service Class 1
23pp E 6324 F 6325 S 6326 15 CHF

- T.31 (1995) Amendment 1 (07/96)** Annex B:
Procedure for Service Class 1 support of V.34
modems
20pp E 7493 F 7494 S 7495 17 CHF
- T.32 (08/95)** Asynchronous facsimile DCE control –
Service Class 2
Covering Note 30.10.1997: Corrigendum
80pp E 6489 F 6490 S 6491 30 CHF
- T.32 (1995) Amendment 1 (07/96)**
8pp E 7436 F 7437 S 7438 9 CHF
- T.33 (07/96)** Facsimile routing utilizing the
Subaddress
16pp E 7462 F 7463 S 7464 12 CHF
- T.35 (02/00)** Procedure for the allocation of
ITU-T defined codes for non-standard facilities
12pp E 18405 F 18406 S 18407 12 CHF
- T.36 (07/97)** Security capabilities for use with Group
3 facsimile terminals
40pp E 11638 F 11639 S 11640 22 CHF
- T.36 (1997) Amendment 1 (04/99)**
8pp E 16147 F 16148 S 16149 9 CHF
- T.37 (06/98)** Procedures for the transfer of facsimile
data via store-and-forward on the Internet
12pp E 13917 F 13918 S 13919 12 CHF
- T.37 (1998) Amendment 1 (09/99)** Full Mode
60pp E 17744 F 17745 S 17746 29 CHF
- T.37 (1998) Amendment 2 (03/01)**
8pp E 19555 F 19556 S 19557 9 CHF
- T.37 (1998) Amendment 3 (11/02)**
7pp E 23082 F 23083 S 23084 9 CHF
- T.38 (2002) Amendment 1 (07/03)**
74pp E 24093 34 CHF
- T.38 (07/03)** Procedures for real-time Group 3
facsimile communication over IP networks
- T.38 (2002) Corrigendum 1 (07/03)**
- T.39 (10/97)** Application profiles for simultaneous
voice and facsimile terminals
16pp E 12674 F 12675 S 12676 12 CHF
- T.42 (07/03)** Continuous-tone colour representation
method for facsimile
15pp E 23993 12 CHF
- T.43 (07/97)** Colour and gray-scale image
representations using lossless coding scheme for
facsimile
16pp E 11629 F 11630 S 11631 12 CHF
- T.43 (1997) Amendment 1 (02/00)** Accommodation
of new and future Resolutions
8pp E 18365 F 18366 S 18367 9 CHF
- T.44 (04/99)** Mixed raster content (MRC)
Common text with ISO/IEC
40pp E 16549 F 16550 S 16551 22 CHF
- T.44 (1999) Amendment 1 (02/00)** Accommodation
of new Annex B
Common text with ISO/IEC
28pp E 18434 F 18435 S 18436 17 CHF
- T.45 (02/00)** Run-length colour encoding
8pp E 18362 F 18363 S 18364 9 CHF
- T.50 (09/92)** International Reference Alphabet (IRA)
(Formerly International Alphabet No. 5 or IA5) –
Information technology – 7-bit coded character set
for information interchange
Common text with ISO/IEC
20pp E 3177 F 3176 S 3178 15 CHF
- T.51 (09/92)** Latin based coded character sets for
telematic services
26pp E 3224 F 3223 S 3225 15 CHF
- T.51 (1992) Amendment 1 (08/95)**
8pp E 6603 F 6604 S 6605 8 CHF
- T.52 (03/93)** Non-latin coded character sets for
telematic services
88pp E 4416 F 4415 S 4417 33 CHF
- T.52 (1993) Amendment 1 (10/96)**
8pp E 10633 F 10634 S 10635 9 CHF
- T.53 (04/94)** Character coded control functions for
telematic services
68pp E 5462 F 5461 S 5463 29 CHF
- T.60 (03/93) Withdrawn (05.00)**
Terminal equipment for use in the teletex service
*Deleted as a consequence of the suppression of Teletex
service*
21pp E 5594 F 5593 S 5595 15 CHF
- T.61 (03/93) Withdrawn (08.95)**
Character repertoire and coded character sets for the
international teletex service
*Never published. Deleted as a consequence of the
suppression of Teletex service*
- T.62 (03/93)** Control procedures for teletex and
Group 4 facsimile services
163pp E 5597 F 5596 S 5598 65 CHF

T.62bis (03/93) Control procedures for teletex and G4 facsimile services based on Recommendations X.215 and X.225
30pp E 5526 F 5525 S 5527 15 CHF

T.63 (03/93) Withdrawn (05.00)

Provisions for verification of teletex terminal compliance

Deleted as a consequence of the suppression of Teletex service

21pp E 5170 F 5226 S 5261 15 CHF

T.64 (03/93) Withdrawn (05.00)

Conformance testing procedures for the teletex Recommendations

Deleted as a consequence of the suppression of Teletex service

123pp E 5391 F 5390 S 5392 42 CHF

T.65 (11/88) Withdrawn (07.99)

Applicability of telematic protocols and terminal characteristics to computerized communication terminals (CCTs)

This Recommendation was deleted in 07/1999 as it was no longer applicable due to changes in technology

8pp E 15353 F 15353 S 15353 9 CHF

T.66 (03/02) Facsimile code points for use with Recommendations V.8 and V.8 bis

14pp E 22239 F 22240 S 22241 12 CHF

T.70 (03/93) Network-independent basic transport service for the telematic services

57pp E 5417 F 5416 S 5418 24 CHF

T.71 (11/88) Link access protocol balanced (LAPB) extended for half-duplex physical level facility

Blue Book – Fascicle VII.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

T.80 (09/92) Common components for image compression and communication – Basic principles

11pp E 3435 F 3434 S 3436 11 CHF

T.81 (09/92) Information technology – Digital compression and coding of continuous-tone still images – Requirements and guidelines

Identical to ISO/IEC 10918-1

182pp E 4466 F 5222 S 5257 61 CHF

T.82 (03/93) Information technology – Coded representation of picture and audio information – Progressive bi-level image compression

Identical to ISO/IEC 11544

71pp E 4467 F 5239 S 5275 29 CHF

T.82 (1993) Technical Cor.1 (03/95)

Identical to ISO/IEC 11544

T.82 (1993) Technical Cor.2 (03/01)

Identical to ISO/IEC 11544

T.83 (11/94) Information technology – Digital compression and coding of continuous-tone still images: Compliance testing

This Recommendation includes 3 diskettes containing compliance test data for the generic encoder and decoder compliance tests.

Identical to ISO/IEC 10918-2

64pp E 10229 F 10230 S 10231 99 CHF

T.84 (07/96) Information technology – Digital compression and coding of continuous-tone still images: Extensions

Identical to ISO/IEC 10918-3

84pp E 7496 F 7497 S 7498 34 CHF

T.84 (1996) Amendment 1 (04/99) Provisions to allow registration of new compression types and versions in the SPIFF header

Identical to ISO/IEC 10918-3

8pp E 16033 F 16034 S 16035 9 CHF

T.85 (08/95) Application profile for Recommendation T.82 – Progressive bi-level image compression (JBIG coding scheme) for facsimile apparatus

3pp E 6281 F 6282 S 6283 8 CHF

T.85 (1995) Amendment 1 (10/96)

8pp E 10860 F 10861 S 10862 9 CHF

T.85 (1995) Corrigendum 1 (02/97)

T.85 (1995) Amendment 2 (10/97)

Covering note: 7 February 2000: French, Spanish only.

8pp E 12391 F 12392 S 12393 9 CHF

T.86 (06/98) Information technology – Digital compression and coding of continuous-tone still images: Registration of JPEG Profiles, SPIFF Profiles, SPIFF Tags, SPIFF colour Spaces, APPn Markers, SPIFF Compression types and Registration Authorities (REGAUT)

Covering note, February 1999: Corrigendum

Identical to ISO/IEC 10918-4

36pp E 14023 F 14024 S 14025 22 CHF

- T.87 (06/98)** Information Technology – Lossless and near-lossless compression of continuous-tone still images – Baseline
This Recommendation includes one diskette containing the JPEG-LS Lossless and near-lossless image compression reference implementation and a conformance testing image set.
 Identical to ISO/IEC 14495-1
 72pp E 15804 74 CHF
- T.88 (02/00)** Information technology – Coded representation of picture and audio information – Lossy/lossless coding of bi-level images
 Identical to ISO/IEC 14492
 165pp E 18592 F 18593 S 18594 73 CHF
- T.88 (2000) Amendment 1 (06/03)**
 12pp E 23948 12 CHF
- T.88 (2000) Amendment 2 (06/03)** Extension of adaptive templates for halftone coding
 15pp E 23915 12 CHF
- T.89 (09/01)** Application profiles for Recommendation T.88 – Lossy/lossless coding of bi-level images (JBIG2) for facsimile
 20pp E 22191 F 22192 S 22193 12 CHF
- T.90 (02/92)** Characteristics and protocols for terminals for telematic services in ISDN
 58pp E 2809 F 2771 S 2844 24 CHF
- T.90 (1992) Amendment 1 (11/94)** Characteristics and protocols for terminals for telematic services in ISDN
 18pp E 5686 F 5685 S 5687 15 CHF
- T.90 (1992) Amendment 2 (07/96)**
 8pp E 7341 F 7342 S 7343 9 CHF
- T.90 (1992) Amendment 3 (06/98)** Cause value for a G4 fax fallback
 8pp E 13604 F 13605 S 13606 17 CHF
- T.100 (11/88)** International information exchange for interactive videotex
 Blue Book – Fascicle VII.5 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- T.101 (11/94)** International interworking for videotex services
 826pp E 6251 F 6252 S 6253 248 CHF
- T.102 (03/93)** Syntax-based videotex end-to-end protocols for the circuit mode ISDN
 6pp E 5116 F 5115 S 5117 8 CHF
- T.103 (03/93)** Syntax-based videotex end-to-end protocols for the packet mode ISDN
 60pp E 5414 F 5413 S 5415 29 CHF
- T.104 (03/93)** Packet mode access for syntax-based videotex via PSTN
 13pp E 5155 F 5219 S 5254 11 CHF
- T.105 (11/94)** Syntax-based videotex application layer protocol
 85pp E 5689 F 5688 S 5690 34 CHF
- T.106 (03/93)** Framework of videotex terminal protocols
 3pp E 5209 F 5244 S 5280 8 CHF
- T.107 (08/95)** Enhanced man machine interface for videotex and other retrieval services (VEMMI)
 128pp E 6650 F 6651 S 6652 44 CHF
- T.120 (07/96)** Data protocols for multimedia conferencing
 24pp E 7406 F 7407 S 7408 17 CHF
- T.120 Annex C (02/98)** Lightweight profiles for the T.120 architecture
 24pp E 13525 F 13526 S 13527 17 CHF
- T.121 (07/96)** Generic application template
 44pp E 9551 F 9552 S 9553 22 CHF
- T.122 (02/98)** Multipoint communication service – Service definition
 44pp E 13400 F 13401 S 13402 22 CHF
- T.123 (05/99)** Network-specific data protocol stacks for multimedia conferencing
 76pp E 16845 F 16846 S 16847 34 CHF
- T.124 (02/98)** Generic Conference Control
 212pp E 13979 F 13980 S 13981 96 CHF
- T.125 (02/98)** Multipoint communication service protocol specification
 144pp E 13784 F 13785 S 13786 55 CHF
- T.126 (07/97)** Multipoint still image and annotation protocol
 132pp E 12251 F 12252 S 12253 55 CHF
- T.127 (08/95)** Multipoint binary file transfer protocol
 60pp E 6432 F 6433 S 6434 25 CHF
- T.128 (02/98)** Multipoint application sharing
 216pp E 13727 F 13728 S 13729 96 CHF
- T.134 (02/98)** Text chat application entity
 16pp E 13015 F 13016 S 13017 12 CHF

- T.135 (02/98)** User-to-reservation system transactions within T.120 conferences
76pp E 13237 F 13239 S 13240 34 CHF
- T.136 (05/99)** Remote device control application protocol
12pp E 16546 F 16547 S 16548 12 CHF
- T.137 (02/00)** Virtual meeting room management – services and protocol
140pp E 18730 F 18731 S 18732 55 CHF
- T.140 (02/98)** Protocol for multimedia application text conversation
16pp E 13315 F 13316 S 13317 12 CHF
- T.140 Addendum 1 (02/00)** Addendum 1
10pp E 18739 F 18740 S 18741 9 CHF
- T.150 (11/88)** Telewriting terminal equipment
Blue Book – Fascicle VII.5 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- T.170 (02/98)** Framework of the T.170-Series of Recommendations
8pp E 12860 F 12861 S 12862 9 CHF
- T.171 (10/96)** Protocols for interactive audiovisual services: coded representation of multimedia and hypermedia objects
Common text with ISO/IEC
332pp E 11036 F 11037 S 11038 124 CHF
- T.172 (02/98)** MHEG-5 – Support for base-level interactive applications
Common text with ISO/IEC
236pp E 13389 F 13390 S 13391 96 CHF
- T.173 (07/97)** MHEG-3 script interchange representation
148pp E 12296 F 12297 S 12298 61 CHF
- T.174 (10/96)** Application programming interface (API) for MHEG-1
192pp E 11096 F 11097 S 11098 73 CHF
- T.175 (02/98)** Application Programming Interface (API) for MHEG-5
32pp E 12851 F 12852 S 12853 17 CHF
- T.176 (02/98)** Application Programming Interface (API) for Digital Storage Media Command and Control (DSM-CC)
16pp E 12854 F 12855 S 12856 12 CHF
- T.180 (06/98)** Homogeneous access mechanism to communication services
332pp E 14561 F 14562 S 14563 124 CHF
- T.190 (08/95)** Cooperative document handling (CDH) – Framework and basic services
76pp E 6834 F 6835 S 6836 34 CHF
- T.191 (07/96)** Cooperative document handling (CDH) – Joint synchronous editing (point-to-point)
32pp E 9577 F 9578 S 9579 17 CHF
- T.192 (06/98)** Cooperative Document Handling – Complex services: Joint synchronous editing and joint document presentation/viewing
60pp E 13892 F 13893 S 13894 29 CHF
- T.200 (10/96) Withdrawn (07.99)**
Programmable communication interface for terminal equipment connected to ISDN
This Recommendation had been approved at the WTSC 1996. In its Appendix, it describes one of the programmable communication interfaces which were available on the market at that time. Although such an interface does not affect the communication between networks but is rather a matter for implementation at a local computer (e.g. PC), the related study Question had been accepted at the WTSC-96 to promote computer communication via the ISDN, and thus the growth of the ISDNs. After 1996, the quick market development made further studies in the ITU-T obsolete. ITU-T came to the conclusion that it would be appropriate to delete T.200 in order to avoid any further maintenance work which might bind resources unnecessarily
348pp E 11182 F 11183 S 11184 124 CHF
- T.300 (11/88)** General principles of telematic interworking
Blue Book – Fascicle VII.5 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- T.330 (11/88)** Telematic access to interpersonal messaging system
Blue Book – Fascicle VII.5 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- T.351 (11/88)** Imaging process of character information on facsimile apparatus
Blue Book – Fascicle VII.5 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- T.390 (11/88)** Teletex requirements for interworking with the telex service
Blue Book – Fascicle VII.5 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

T.400 (11/88) Withdrawn (10.96)

Introduction to document architecture, transfer and manipulation

Deleted after its content became technically out of date

T.411 (03/93) Information technology – Open Document Architecture (ODA) and interchange format: Introduction and general principles

Identical to ISO/IEC 8613-1

77pp E 5193 F 11783 S 11784 33 CHF

T.411 (1993) Technical Cor. 1 (10/97)

Identical to ISO/IEC 8613-1

T.412 (03/93) Information technology – Open Document Architecture (ODA) and interchange format: Document structures

Identical to ISO/IEC 8613-2

260pp E 5605 F 5935 S 5706 91 CHF

T.412 (1993) Technical Cor. 1 (10/97)

Identical to ISO/IEC 8613-2

T.412 (1993) Technical Cor. 2 (10/97)

Identical to ISO/IEC 8613-2

T.413 (11/94) Information technology – Open Document Architecture (ODA) and interchange format: Abstract interface for the manipulation of ODA documents

Identical to ISO/IEC 8613-3

24pp E 5936 F 6732 S 6719 15 CHF

T.414 (03/93) Information technology – Open Document Architecture (ODA) and interchange format: Document profile

Identical to ISO/IEC 8613-4

31pp E 5141 F 5638 S 5637 20 CHF

T.414 (1993) Technical Cor. 1 (10/97)

Identical to ISO/IEC 8613-4

T.414 (1993) Technical Cor. 2 (10/97)

Identical to ISO/IEC 8613-4

T.415 (03/93) Information technology – Open Document Architecture (ODA) and interchange format: Open Document Interchange Format (ODIF)

Identical to ISO/IEC 8613-5

103pp E 5144 F 5937 S 5938 38 CHF

T.415 (1993) Technical Cor. 1 (10/97)

Identical to ISO/IEC 8613-5

T.415 (1993) Technical Cor. 2 (10/97)

Identical to ISO/IEC 8613-5

T.416 (03/93) Information technology – Open Document Architecture (ODA) and interchange format: Character content architectures

Identical to ISO/IEC 8613-6

68pp E 5389 F 5982 S 5707 29 CHF

T.416 (1993) Technical Cor. 1 (10/97)

Identical to ISO/IEC 8613-6

T.417 (03/93) Information technology – Open Document Architecture (ODA) and interchange format: Raster graphics content architectures

Identical to ISO/IEC 8613-7

48pp E 5083 F 5635 S 5636 20 CHF

T.417 (1993) Technical Cor. 1 (10/97)

Identical to ISO/IEC 8613-7

T.417 (1993) Amendment 1 (10/97)

Identical to ISO/IEC 8613-7

20pp E 12725 F 12726 S 12727 17 CHF

T.417 (1993) Amendment 2 (02/00) Amendment 2

Identical to ISO/IEC 8613-7

8pp E 17998 F 17999 S 18000 9 CHF

T.418 (03/93) Information technology – Open Document Architecture (ODA) and interchange format: Geometric graphics content architecture

Identical to ISO/IEC 8613-8

44pp E 5084 F 5639 S 5708 20 CHF

T.419 (08/95) Information technology – Open Document Architecture (ODA) and interchange format: Audio content architectures

Identical to ISO/IEC 8613-9

32pp E 6742 F 9877 S 9878 17 CHF

T.421 (11/94) Information technology – Open Document Architecture (ODA) and interchange format: Tabular structures and tabular layout

Identical to ISO/IEC 8613-11

129pp E 6028 F 7012 S 7013 49 CHF

T.422 (08/95) Information technology – Open Document Architecture (ODA) and interchange format – Identification of document fragments

Identical to ISO/IEC 8613-12

32pp E 6357 F 6746 S 6724 15 CHF

- T.424 (07/96)** Information technology – Open Document Architecture (ODA) and interchange format: Temporal relationships and non-linear structures
- Identical to ISO/IEC 8613-14
- 56pp E 9634 F 9635 S 9636 29 CHF
- T.431 (09/92)** Document Transfer And Manipulation (DTAM) – Services and protocols – Introduction and general principles
- 14pp E 3483 F 3482 S 3484 11 CHF
- T.432 (09/92)** Document Transfer And Manipulation (DTAM) – Services and protocols – Service definition
- 36pp E 3513 F 3512 S 3514 20 CHF
- T.432 (1992) Amendment 1 (08/95)** Revisions of T.432 to support G4 colour and file transfer
- 3pp E 6362 F 6363 S 6364 8 CHF
- T.433 (09/92)** Document Transfer And Manipulation (DTAM) – Services and protocols – Protocol specification
- 82pp E 3652 F 3651 S 3653 33 CHF
- T.433 (1992) Amendment 1 (08/95)** Revisions of T.433 to support G4 colour and file transfer
- 5pp E 6303 F 6304 S 6305 8 CHF
- T.434 (04/99)** Binary file transfer format for the telematic services
- 24pp E 17281 F 17282 S 17283 17 CHF
- T.435 (08/95)** Document Transfer And Manipulation (DTAM) – Services and protocols – Abstract service definition and procedures for confirmed document manipulation
- 64pp E 6683 F 6684 S 6685 25 CHF
- T.436 (08/95)** Document Transfer And Manipulation (DTAM) – Services and protocols – Protocol specifications for confirmed document manipulation
- 12pp E 6597 F 6598 S 6599 11 CHF
- T.441 (11/88)** Document Transfer And Manipulation (DTAM) – Operational structure
- Blue Book – Fascicle VII.7 (see: List of Books in force)
- Individually through the Electronic Bookshop:* 20 CHF
- T.501 (03/93)** Document application profile mm for the interchange of formatted mixed mode documents
- 21pp E 5532 F 5531 S 5533 15 CHF
- T.502 (11/94)** Document application profile PM-11 for the interchange of simple structure, character content documents in processable and formatted forms
- Common text with ISO/IEC
- 52pp E 5692 F 5691 S 5693 25 CHF
- T.503 (02/00)** A document application profile for the interchange of Group 4 facsimile documents
- 40pp E 19106 F 19107 S 19108 22 CHF
- T.504 (03/93)** Document application profile for videotex interworking
- 7pp E 5306 F 5293 S 5316 11 CHF
- T.505 (11/94)** Document application profile PM-26 for the interchange of enhanced structure, mixed content documents in processable and formatted forms
- Common text with ISO/IEC
- 100pp E 6080 F 6079 S 6081 39 CHF
- T.506 (08/93)** Document application profile PM-36 for the interchange of extended document structures and mixed content documents in processable and formatted forms
- Common text with ISO/IEC
- 180pp E 5607 F 5606 S 5608 65 CHF
- T.510 (03/93)** General overview of the T.510-Series Recommendations
- 12pp E 5298 F 5289 S 5312 11 CHF
- T.521 (11/94)** Communication application profile BT0 for document bulk transfer based on the session service
- 15pp E 5940 F 5939 S 5941 15 CHF
- T.521 (1994) Amendment 1 (08/95)** Communication application profile BT0 for document bulk transfer based on the session service – Amendment 1
- 3pp E 6300 F 6301 S 6302 8 CHF
- T.522 (09/92)** Communication application profile BT1 for document bulk transfer
- 5pp E 3319 F 3318 S 3320 8 CHF
- T.523 (03/93)** Communication application profile DM-1 for videotex interworking
- 19pp E 5381 F 5380 S 5382 15 CHF

- T.541 (03/93)** Operational application profile for videotex interworking
21pp E 5305 F 5292 S 5315 15 CHF
- T.561 (11/88)** Terminal characteristics for mixed mode of operation mm
Blue Book – Fascicle VII.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- T.562 (11/88)** Terminal characteristics for teletex processable mode PM.1
Blue Book – Fascicle VII.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- T.563 (10/96)** Terminal characteristics for Group 4 facsimile apparatus
28pp E 11039 F 11040 S 11041 17 CHF
- T.563 (1996) Amendment 1 (07/97)**
8pp E 11230 F 11231 S 11232 9 CHF
- T.563 (1996) Amendment 2 (10/97)** Annex C – T.30 frames for G4 facsimile
8pp E 12502 F 12503 S 12504 9 CHF
- T.563 (1996) Corrigendum 1 (06/98)**
- T.563 (1996) Amendment 3 (04/99)**
8pp E 16223 F 16224 S 16225 9 CHF
- T.564 (03/93)** Gateway characteristics for videotex interworking
30pp E 5538 F 5537 S 5539 15 CHF
- T.571 (09/92)** Terminal characteristics for the telematic file transfer within the teletex service
11pp E 3552 F 3551 S 3553 11 CHF
- T.611 (11/94)** Programming Communication Interface (PCI) APPLI/COM for facsimile Group 3, facsimile Group 4, teletex, telex, E-mail and file transfer services
228pp E 6047 F 6046 S 6048 75 CHF
- T.800 (08/02)** Information technology – JPEG 2000 image coding system: Core coding system
Identical to ISO/IEC 15444-1
238pp E 22317 96 CHF
- T.801 (08/02)** Information technology – JPEG 2000 image coding system: Extensions
Identical to ISO/IEC 15444-2
359pp E 22319 124 CHF

- T.803 (11/02)** Information technology – JPEG 2000 image coding system: Conformance testing
Identical to ISO/IEC 15444-4
57pp E 22836 29 CHF
- T.804 (08/02)** Information technology – JPEG 2000 image coding system: Reference software
Identical to ISO/IEC 15444-5
E 22631 S 22633 67 CHF
- T.870 (03/02)** Information technology – Lossless and near-lossless compression of continuous-tone still images: Extensions
This Recommendation includes an electronic attachment containing the data set used for implementing the JPEG-LS T.870 extension conformance test
Identical to ISO/IEC 14495-2
66pp E 22287 F 22288 S 22289 79 CHF

SERIES U Telegraph switching

General

- U.1 (03/93)** Signalling conditions to be applied in the international telex service
11pp E 4970 F 4969 S 4971 11 CHF
- U.2 (11/88)** Standardization of dials and dial pulse generators for the international telex service
Blue Book – Fascicle VII.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- U.3 (11/88)** Arrangements in switching equipment to minimize the effects of false calling signals
Blue Book – Fascicle VII.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- U.4 (11/88)** Exchange of information regarding signals destined to be used over international circuits concerned with switched teleprinter networks
Blue Book – Fascicle VII.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

U.5 (11/88) Requirements to be met by regenerative repeaters in international connections

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.6 (11/88) Prevention of fraudulent transit traffic in the fully automatic international telex service

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.7 (03/93) Numbering schemes for automatic switching networks

1pp E 4569 F 4568 S 4570 8 CHF

U.8 (11/88) Hypothetical reference connections for telex and gentex networks

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.10 (03/93) Equipment of an international telex position

1pp E 4614 F 4613 S 4615 8 CHF

Specific signalling schemes and interworking between signalling systems

U.11 (03/93) Telex and gentex signalling on intercontinental circuits used for intercontinental automatic transit traffic (type c signalling)

15pp E 4973 F 4972 S 4974 11 CHF

U.12 (03/93) Terminal and transit control signalling system for telex and similar services on international circuits (type D signalling)

24pp E 5184 F 5234 S 5269 15 CHF

U.15 (03/93) Interworking rules for international signalling systems according to Recommendations U.1, U.11 and U.12

8pp E 5107 F 5106 S 5108 8 CHF

Signalling over radio and multiplexed channels

U.20 (11/88) Telex and gentex signalling on radio channels (synchronous 7-unit systems affording error correction by automatic repetition)

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.21 (11/88) Operator recall on a telex call set up on a radiotelegraph circuit

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.22 (11/88) Signals indicating delay in transmission on calls set up by means of synchronous systems with automatic error correction by repetition

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.23 (11/88) Use of radiotelegraph circuits with ARQ equipment for fully automatic telex calls charged on the basis of elapsed time

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.24 (11/88) Requirements for telex and gentex operation to be met by synchronous multiplex equipment described in Recommendation R.44

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.25 (11/88) Requirements for telex and gentex operation to be met by code- and speed-dependent TDM systems conforming to Recommendation R.101

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Gentex signalling

U.30 (11/88) Signalling conditions for use in the international gentex network

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.31 (11/88) Prevention of connection to faulty stations and/or station lines in the gentex service

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Particular signalling facilities

U.40 (03/93) Reactions by automatic terminals connected to the telex network in the event of ineffective call attempts or signalling incidents

4pp E 4976 F 4975 S 4977 8 CHF

U.41 (11/88) changed address interception and call redirection in the telex service

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.43 (11/88) Follow-on calls

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.44 (11/88) Multi-address calls in real time for broadcast purposes in the international telex service

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.45 (03/93) Response to the not-ready condition of the telex terminal

3pp E 4979 F 4978 S 4980 8 CHF

U.46 (03/93) Interruption of automatic transmission and flow control in the international telex service

2pp E 4249 F 4248 S 4250 8 CHF

Radiotelex interworking

U.60 (11/88) General requirements to be met in interfacing the international telex network with maritime satellite systems

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.61 (03/93) Detailed requirements to be met in interfacing the international telex network with maritime satellite systems

10pp E 5086 F 5085 S 5087 11 CHF

U.62 (03/93) General requirements to be met in interfacing the international telex network with the fully automated maritime VHF/UHF radio system

5pp E 4566 F 4565 S 4567 8 CHF

U.63 (11/88) General requirements to be met in interfacing the international telex network with the maritime “direct printing” system

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Interworking between new information services and telex

U.70 (11/88) Telex service signals for telex to teletex interworking

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.74 (11/88) Extraction of telex selection information from a calling telex answerback

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

U.75 (03/93) Automatic called telex answerback check

3pp E 5119 F 5118 S 5120 8 CHF

Telex store and forward

U.80 (03/93) International telex store and forward access from a telex subscriber

15pp E 5147 F 5214 S 5250 15 CHF

U.81 (10/96) International telex store-and-forward – Delivery to a telex subscriber

12pp E 11018 F 11019 S 11020 12 CHF

Intex service

U.101 (03/93) Signalling systems for the Intex service (types E and F signalling)

27pp E 4982 F 4981 S 4983 15 CHF

U.102 (07/96) Intex and similar services – Network requirements to effect interworking between terminals operating at different speeds

8pp E 7465 F 7466 S 7467 9 CHF

Definitions

U.140 (11/88) Definitions of essential technical terms relating to telegraph switching and signalling

Blue Book – Fascicle VII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

The international telex service

U.200 (03/93) The international telex service – General technical requirements for interworking

17pp E 4901 F 4900 S 4902 15 CHF

U.201 (03/93) Interworking between the teletex service and the international telex service

17pp E 5148 F 5215 S 5251 15 CHF

U.202 (03/93) Technical requirements to be met in providing the international telex service within an integrated services digital network

This Recommendation is also included but not published in I series under alias number I.560

17pp E 5150 F 5216 S 5252 15 CHF

U.203 (03/93) Technical requirements to be met when providing real-time bothway communications between terminals of the international telex service and data terminal equipments on a PSPDN or via the PSTN

24pp E 5056 F 5055 S 5057 15 CHF

U.204 (03/93) Interworking between the international telex service and the public interpersonal messaging service

23pp E 5366 F 5365 S 5367 15 CHF

U.205 (03/93) Store-and-retrieve facility for the delivery of messages from a terminal of the international telex service to a data terminal equipment which connects to a packet-switched public data network over the public switched telephone network

2pp E 4269 F 4268 S 4270 8 CHF

U.206 (03/93) Technical requirements for interworking between the international telex service and the videotex service

7pp E 4883 F 4882 S 4884 11 CHF

U.207 (03/93) Technical requirements to be met for the transfer of messages between terminals of the international telex service and group 3 facsimile terminals connected to the PSTN

9pp E 4823 F 4822 S 4824 11 CHF

U.208 (10/96) The international telex service – Interworking with the INMARSAT C system using one-stage selection

12pp E 11021 F 11022 S 11023 12 CHF

U.210 (03/93) Intex service Network requirements to effect interworking with the international telex service

4pp E 4320 F 4319 S 4322 8 CHF

U.220 (03/93) The international telex service – Technical requirements for a status enquiry function in an interworking scenario

6pp E 4922 F 4921 S 4923 8 CHF

SERIES V

Data communication over the telephone network

General

V.1 (11/88) Equivalence between binary notation symbols and the significant conditions of a two-condition code

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

V.2 (11/88) Power levels for data transmission over telephone lines

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

V.4 (11/88) General structure of signals of international alphabet No. 5 code for character oriented data transmission over public telephone networks

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

V.5 (11/88) Withdrawn (03.93)

Standardization of data signalling rates for synchronous data transmission in the general switched telephone network

Deleted after its content became technically out of date

V.6 (11/88) Withdrawn (03.93)

Standardization of data signalling rates for synchronous data transmission on leased telephone-type circuits

Deleted after its content became technically out of date

V.7 (11/88) Definitions of terms concerning data communication over the telephone network

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

V.8 (11/00) Procedures for starting sessions of data transmission over the public switched telephone network

19pp E 19921 F 19922 S 19923 17 CHF

V.8bis (11/00) Procedures for the identification and selection of common modes of operation between data circuit-terminating equipments (DCEs) and between data terminal equipments (DTEs) over the public switched telephone network and on leased point-to-point telephone-type circuits

56pp E 20404 F 20405 S 20406 29 CHF

Interfaces and voiceband modems

V.10 (03/93) Electrical characteristics for unbalanced double-current interchange circuits operating at data signalling rates nominally up to 100 kbit/s

This Recommendation is also included but not published in X series under alias number X.26.

18pp E 4252 F 4251 S 4253 15 CHF

V.11 (10/96) Electrical characteristics for balanced double-current interchange circuits operating at data signalling rates up to 10 Mbit/s

This Recommendation is also included but not published in X series under alias number X.27

16pp E 10048 F 10049 S 10050 12 CHF

V.12 (08/95) Electrical characteristics for balanced double-current interchange circuits for interfaces with data signalling rates up to 52 Mbit/s

12pp E 6329 F 6330 S 6331 11 CHF

V.13 (03/93) Simulated carrier control

2pp E 3720 F 3719 S 3721 8 CHF

V.14 (03/93) Transmission of start-stop characters over synchronous bearer channels

4pp E 3971 F 3970 S 3972 8 CHF

V.14 (1993) Corrigendum 1 (09/98)

V.15 (11/88) Use of acoustic coupling for data transmission

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

V.16 (11/88) Medical analogue data transmission modems

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

V.17 (02/91) A 2-wire modem for facsimile applications with rates up to 14 400 bit/s

11pp E 1960 F 1959 S 1961 10 CHF

V.17 (1991) Corrigendum 1 (09/98)

V.18 (11/00) Operational and interworking requirements for DCEs operating in the text telephone mode

74pp E 20233 F 20234 S 20235 34 CHF

V.18 (2000) Amendment 1 (11/02)

7pp E 23076 F 23077 S 23078 9 CHF

V.19 (11/88) Modems for parallel data transmission using telephone signalling frequencies

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

V.20 (11/88) Withdrawn (03/93)

Parallel data transmission modems standardized for universal use in the general switched telephone network

Deleted after its content became technically out of date

V.21 (11/88) 300 bits per second duplex modem standardized for use in the general switched telephone network

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

V.22 (11/88) 1200 bits per second duplex modem standardized for use in the general switched telephone network and on point-to-point 2-wire leased telephone-type circuits

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

V.22bis (11/88) 2400 bits per second duplex modem using the frequency division technique standardized for use on the general switched telephone network and on point-to-point 2-wire leased telephone-type circuits

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

V.23 (11/88) 600/1200-baud modem standardized for use in the general switched telephone network

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

V.24 (02/00) List of definitions for interchange circuits between data terminal equipment (DTE) and data circuit-terminating equipment (DCE)

24pp E 18630 F 18631 S 18632 17 CHF

- V.25 (10/96)** Automatic answering equipment and general procedures for automatic calling equipment on the general switched telephone network including procedures for disabling of echo control devices for both manually and automatically established calls
12pp E 10112 F 10113 S 10114 12 CHF
- V.25 (1996) Corrigendum 1 (07/01)**
- V.25bis (10/96)** Synchronous and asynchronous automatic dialling procedures on switched networks
28pp E 10124 F 10125 S 10226 17 CHF
- V.26 (11/88)** 2400 bits per second modem standardized for use on 4-wire leased telephone-type circuits
Blue Book – Fascicle VIII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- V.26bis (11/88)** 2400/1200 bits per second modem standardized for use in the general switched telephone network
Blue Book – Fascicle VIII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- V.26ter (11/88)** 2400 bits per second duplex modem using the echo cancellation technique standardized for use on the general switched telephone network and on point-to-point 2-wire leased telephone-type circuits
Blue Book – Fascicle VIII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- V.27 (11/88)** 4800 bits per second modem with manual equalizer standardized for use on leased telephone-type circuits
Blue Book – Fascicle VIII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- V.27bis (11/88)** 4800/2400 bits per second modem with automatic equalizer standardized for use on leased telephone-type circuits
Blue Book – Fascicle VIII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- V.27ter (11/88)** 4800/2400 bits per second modem standardized for use in the general switched telephone network
Blue Book – Fascicle VIII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- V.28 (03/93)** Electrical characteristics for unbalanced double-current interchange circuits
6pp E 3974 F 3973 S 3975 8 CHF
- V.29 (11/88)** 9600 bits per second modem standardized for use on point-to-point 4-wire leased telephone-type circuits
Blue Book – Fascicle VIII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- V.31 (11/88)** Electrical characteristics for single-current interchange circuits controlled by contact closure
Blue Book – Fascicle VIII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- V.31bis (11/88)** Electrical characteristics for single-current interchange circuits using optocouplers
Blue Book – Fascicle VIII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- V.32 (03/93)** A family of 2-wire, duplex modems operating at data signalling rates of up to 9600 bit/s for use on the general switched telephone network and on leased telephone-type circuits
23pp E 4050 F 4049 S 4051 15 CHF
- V.32bis (02/91)** A duplex modem operating at data signalling rates of up to 14 400 bit/s for use on the general switched telephone network and on leased point-to-point 2-wire telephone-type circuits
22pp E 1981 F 1980 S 1982 13 CHF
- V.33 (11/88)** 14 400 bits per second modem standardized for use on point-to-point 4-wire leased telephone-type circuits
Blue Book – Fascicle VIII.1 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- V.34 (02/98)** A modem operating at data signalling rates of up to 33 600 bit/s for use on the general switched telephone network and on leased point-to-point 2-wire telephone-type circuits
76pp E 13500 F 13501 S 13502 34 CHF
- Wideband modems**
- V.35 (10/84) Withdrawn (03.93)**
Data transmission at 48 kbit/s using 60-108 kHz group band circuits
Deleted because the information contained in V.35 was out of date. Alternative techniques are described in ITU-T V.36 and V.37
8pp E 16848 F 16849 S 16850 9 CHF

- V.36 (11/88)** Modems for synchronous data transmission using 60-108 kHz group band circuits
- Blue Book – Fascicle VIII.1 (see: List of Books in force)
- Individually through the Electronic Bookshop: 20 CHF*
- V.37 (11/88)** Synchronous data transmission at a data signalling rate higher than 72 kbit/s using 60-108 kHz group band circuits
- Blue Book – Fascicle VIII.1 (see: List of Books in force)
- Individually through the Electronic Bookshop: 20 CHF*
- V.38 (10/96)** A 48/56/64 kbit/s data circuit-terminating equipment standardized for use on digital point-to-point leased circuits
- 20pp E 10127 F 10128 S 10129 17 CHF

Error control

- V.40 (11/88) Withdrawn (03.93)**
Error indication with electromechanical equipment
- Deleted after its content became technically out of date*
- V.41 (11/88)** Code-independent error-control system
- Blue Book – Fascicle VIII.1 (see: List of Books in force)
- Individually through the Electronic Bookshop: 20 CHF*
- V.42 (03/02)** Error-correcting procedures for DCEs using asynchronous-to-synchronous conversion
- 70pp E 22467 F 22468 S 22469 34 CHF
- V.42 (2002) Corrigendum 1 (07/03)**
- V.42bis (01/90)** Data compression procedures for data circuit-terminating equipment (DCE) using error correction procedures
- 27pp E 1757 F 1758 S 1759 10 CHF
- V.43 (02/98)** Data flow control
- Common text with ISO/IEC
- 12pp E 13318 F 13319 S 13320 12 CHF
- V.44 (11/00)** Data compression procedures
- 64pp E 20450 F 20451 S 20452 29 CHF
- V.44 (2000) Corrigendum 1 (03/02)**

Transmission quality and maintenance

- V.50 (11/88)** Standard limits for transmission quality of data transmission
- Blue Book – Fascicle VIII.1 (see: List of Books in force)
- Individually through the Electronic Bookshop: 20 CHF*
- V.51 (11/88)** Organization of the maintenance of international telephone-type circuits used for data transmission
- This Recommendation is published under alias number M.729.*
- Blue Book – Fascicle IV.1 (see: List of Books in force)
- Individually through the Electronic Bookshop: 20 CHF*
- V.52 (12/72) Withdrawn (11.88)**
Characteristics of distortion and error-rate measuring apparatus for data transmission
- Replaced by ITU-T O.153*
- V.53 (11/88)** Limits for the maintenance of telephone-type circuits used for data transmission
- Blue Book – Fascicle VIII.1 (see: List of Books in force)
- Individually through the Electronic Bookshop: 20 CHF*
- V.54 (11/88)** Loop test devices for modems
- Blue Book – Fascicle VIII.1 (see: List of Books in force)
- Individually through the Electronic Bookshop: 20 CHF*
- V.55 (11/88)** Specification for an impulsive noise measuring instrument for telephone-type circuits
- This Recommendation is published under alias number O.71.*
- Blue Book – Fascicle IV.4 (see: List of Books in force)
- Individually through the Electronic Bookshop: 20 CHF*
- V.56 (11/88)** Comparative tests of modems for use over telephone-type circuits
- Blue Book – Fascicle VIII.1 (see: List of Books in force)
- Individually through the Electronic Bookshop: 20 CHF*
- V.56bis (08/95)** Network transmission model for evaluating modem performance over 2-wire voice grade connections
- 64pp E 6411 F 6412 S 6413 25 CHF

V.56ter (08/96) Test procedure for evaluation of 2-wire 4 kHz voiceband duplex modems

This Recommendation includes 2 diskettes containing the data files used for the voiceband duplex modems throughput tests.

76pp E 10818 F 10819 S 10820 89 CHF

V.57 (10/84) Withdrawn (11.88)

Comprehensive data test set for high data signalling rates

Replaced by ITU-T O.153

V.58 (09/94) Management information model for V-Series DCEs

58pp E 5495 F 5453 S 5454 24 CHF

V.59 (11/00) Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's

78pp E 20410 F 20411 S 20412 34 CHF

V.59 (2000) Corrigendum 1 (07/01)

V.59 (2000) Corrigendum 2 (03/02)

Simultaneous transmission of data and other signals

V.61 (08/96) A simultaneous voice plus data modem, operating at a voice plus data signalling rate of 4800 bit/s, with optional automatic switching to data-only signalling rates of up to 14 400 bit/s, for use on the general switched telephone network and on leased point-to-point 2-wire telephone type circuits

36pp E 9950 F 9951 S 9952 22 CHF

V.70 (08/96) Procedures for the simultaneous transmission of data and digitally encoded voice signals over the GSTN, or over 2-wire leased point-to-point telephone type circuits

20pp E 9833 F 9834 S 9835 17 CHF

V.75 (08/96) DSVD terminal control procedures

24pp E 9836 F 9837 S 9838 17 CHF

V.75 Appendix II (02/98) Session establishment using V.75/H.245 procedures

12pp E 13403 F 13404 S 13405 12 CHF

V.76 (08/96) Generic multiplexer using V.42 LAPM-based procedures

56pp E 9839 F 9840 S 9841 29 CHF

V.80 (08/96) In-band DCE control and synchronous data modes for asynchronous DTE

36pp E 9953 F 9954 S 9955 22 CHF

V.80 (1996) Amendment 1

(07/01) ITU-T Amendment 1 (07/01) to Recommendation V.80 – In-Band DCE Control and Synchronous Data Modes for Asynchronous DTE

8pp E 20984 F 20985 S 20986 9 CHF

V.90 (09/98) A digital modem and analogue modem pair for use on the Public Switched Telephone Network (PSTN) at data signalling rates of up to 56 000 bit/s downstream and up to 33 600 bit/s upstream

52pp E 14610 F 14611 S 14612 22 CHF

V.91 (05/99) A digital modem operating at data signalling rates of up to 64 000 bit/s for use on a 4-wire circuit switched connection and on leased point-to-point 4-wire digital circuits

20pp E 16754 F 16755 S 16756 17 CHF

V.91 (1999) Corrigendum 1 (07/01)

V.92 (11/00) Enhancements to Recommendation V.90

76pp E 20395 F 20396 S 20397 34 CHF

V.92 (2000) Amendment 1

(07/01) ITU-T Amendment 1 (07/01) to Recommendation V.92 – Enhancements to Recommendation V.90

12pp E 20992 F 20993 S 20994 9 CHF

V.92 (2000) Amendment 2 (03/02) Enhancements to Recommendation V.90

8pp E 22218 F 22219 S 22220 9 CHF

V.92 (2000) Corrigendum 1 (07/03)

Interworking with other networks

V.100 (11/88) Interconnection between public data networks (PDNs) and the public switched telephone networks (PSTN)

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

V.110 (02/00) Support by an ISDN of data terminal equipments with V-Series type interfaces

This Recommendation is also included but not published in I Series under alias number I.463.

68pp E 18325 F 18326 S 18327 29 CHF

V.120 (10/96) Support by an ISDN of data terminal equipment with V-Series type interfaces with provision for statistical multiplexing

This Recommendation is also included but not published in I series under alias number I.465

44pp E 10118 F 10119 S 10120 22 CHF

V.120 (1996) Corrigendum 1 (05/99)

V.130 (08/95) ISDN terminal adaptor framework

20pp E 6405 F 6406 S 6407 15 CHF

V.140 (02/98) Procedures for establishing communication between two multiprotocol audiovisual terminals using digital channels at a multiple of 64 or 56 kbit/s

40pp E 13406 F 13407 S 13408 22 CHF

V.150.0 (01/03) Modem-over-IP networks: Foundation

10pp E 23282 F 23283 S 23284 9 CHF

V.150.1 (01/03) Modem-over-IP networks: Procedures for the end-to-end connection of V-series DCEs

146pp E 23075 55 CHF

V.150.1 (2003) Corrigendum 1 (07/03)

Interface layer specifications for data communication

V.230 (11/88) General data communications interface layer 1 specification

Blue Book – Fascicle VIII.1 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Control procedures

V.250 (07/03) Serial asynchronous automatic dialling and control

105pp E 24012 44 CHF

V.250 Supplement 1 (06/01) Various extensions to V.250 basic command set

22pp E 21573 F 21574 S 21575 17 CHF

V.251 (02/98) Procedure for DTE-controlled call negotiation

Published as Annex A to V.25 ter (07/97), renumbered in february 98 without being republished.

1pp E 16917 F 16918 S 16919 17 CHF

V.252 (02/98) Procedure for control of V.70 and H.324 terminals by a DTE

32pp E 13082 F 13083 S 13084 17 CHF

V.253 (02/98) Control of voice-related functions in a DCE by an asynchronous DTE

100pp E 13503 F 13504 S 13505 44 CHF

Modems on digital circuits

V.300 (07/99) A 128 (144) kbit/s data circuit-terminating equipment standardized for use on digital point-to-point leased circuits

24pp E 16473 F 16474 S 16475 17 CHF

SERIES X

Data networks and open system communications

Public data networks

Services and facilities

X.1 (03/00) International user classes of service in, and categories of access to, public data networks and Integrated Services Digital Networks (ISDNs)

16pp E 17966 F 17967 S 17968 12 CHF

X.2 (03/00) International data transmission services and optional user facilities in public data networks and ISDNs

28pp E 18144 F 18145 S 18146 17 CHF

X.3 (03/00) Packet assembly/disassembly facility (PAD) in a public data network

28pp E 17969 F 17970 S 17971 9 CHF

X.4 (11/88) General structure of signals of International Alphabet No. 5 code for character oriented data transmission over public data networks

Blue Book – Fascicle VIII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.5 (10/96) Facsimile Packet Assembly/Disassembly facility (FPAD) in a public data network

20pp E 9554 F 9555 S 9556 17 CHF

X.6 (08/97) Multicast service definition
40pp E 12426 F 12427 S 12428 22 CHF

X.6 (1997) Amendment 1 (03/00) Frame relay PVC
multicast service definition
8pp E 19710 F 19711 S 19712 9 CHF

X.7 (03/00) Technical characteristics of data
transmission services
48pp E 18013 F 18014 S 18015 22 CHF

X.8 (07/94) Multi-aspect PAD (MAP) framework
and service definition
9pp E 5544 F 5543 S 5545 11 CHF

X.10 (03/93) Withdrawn (10.96)
Categories of access for Data Terminal Equipment
(DTE) to public data transmission services

Deleted as its content is fully covered by ITU-T X.1

X.15 (10/84) Withdrawn (05.03)
Definitions of terms concerning public data networks

Withdrawn on 25.11.1988

Interfaces

X.20 (11/88) Interface between Data Terminal
Equipment (DTE) and Data Circuit-terminating
Equipment (DCE) for start-stop transmission
services on public data networks
Blue Book – Fascicle VIII.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

X.20bis (11/88) Use on public data networks of Data
Terminal Equipment (DTE) which is designed for
interfacing to asynchronous duplex V-Series
modems
Blue Book – Fascicle VIII.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

X.21 (09/92) Interface between Data Terminal
Equipment and Data Circuit-terminating Equipment
for synchronous operation on public data networks
56pp E 3105 F 3104 S 3106 24 CHF

X.21bis (11/88) Use on public data networks of Data
Terminal Equipment (DTE) which is designed for
interfacing to synchronous V-Series modems
Blue Book – Fascicle VIII.2 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

X.22 (11/88) Multiplex DTE/DCE interface for user
classes 3-6

Blue Book – Fascicle VIII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.24 (11/88) List of definitions for interchange
circuits between Data Terminal Equipment (DTE)
and Data Circuit-terminating Equipment (DCE) on
public data networks

Blue Book – Fascicle VIII.2 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.25 (10/96) Interface between Data Terminal
Equipment (DTE) and Data Circuit-terminating
Equipment (DCE) for terminals operating in the
packet mode and connected to public data networks
by dedicated circuit

168pp E 9971 F 9972 S 9973 73 CHF

X.25 (1996) Corrigendum 1 (09/98)

X.26 (03/93) Electrical characteristics for unbalanced
double-current interchange circuits operating at data
signalling rates nominally up to 100 kbit/s

*This Recommendation is published under alias
number V.10*

X.27 (10/96) Electrical characteristics for balanced
double-current interchange circuits operating at data
signalling rates up to 10 Mbit/s

*This Recommendation is published under alias
number V.11*

X.28 (12/97) DTE/DCE interface for a start-stop
mode Data Terminal Equipment accessing the Packet
Assembly/Disassembly facility (PAD) in a public
data network situated in the same country

60pp E 12820 F 12821 S 12822 29 CHF

X.28 (1997) Amendment 1 (03/00) Extensions of
PAD parameter settings and PAD service signals

8pp E 19767 F 19768 S 19769 9 CHF

X.29 (12/97) Procedures for the exchange of control
information and user data between a Packet
Assembly/Disassembly (PAD) facility and a packet
mode DTE or another PAD

20pp E 12683 F 12684 S 12685 17 CHF

X.30 (03/93) Support of X.21, X.21 bis and X.20 bis based Data Terminal Equipments (DTEs) by an Integrated Services Digital Network (ISDN)

This Recommendation is also included but not published in I series under alias number I.461

43pp E 3811 F 3810 S 3812 20 CHF

X.31 (11/95) Support of packet mode terminal equipment by an ISDN

This Recommendation is also included but not published in I series under alias number I.462

68pp E 6509 F 6510 S 6511 30 CHF

X.32 (10/96) Interface between Data Terminal Equipment (DTE) and Data Circuit-terminating Equipment (DCE) for terminals operating in the packet mode and accessing a packet-switched public data network through a public switched telephone network or an integrated services digital network or a circuit-switched public data network

60pp E 9666 F 9667 S 9668 29 CHF

X.33 (10/96) Access to packet-switched data transmission services via frame relaying data transmission services

40pp E 9739 F 9740 S 9741 22 CHF

X.34 (10/96) Access to packet-switched data transmission services via B-ISDN

60pp E 9669 F 9670 S 9671 17 CHF

X.34 (1996) Corrigendum 1 (03/00)

X.35 (11/93) Interface between a PSPDN and a private PSDN which is based on X.25 procedures and enhancements to define a gateway function that is provided in the PSPDN

40pp E 5307 F 5294 S 5317 20 CHF

X.36 (02/03) Interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) for public data networks providing frame relay data transmission service by dedicated circuit

157pp E 24075 F 24076 S 24077 61 CHF

X.37 (04/95) Encapsulation in X.25 packets of various protocols including frame relay

48pp E 6332 F 6333 S 6334 25 CHF

X.38 (10/96) G3 facsimile equipment/DCE interface for G3 facsimile equipment accessing the Facsimile Packet Assembly/Disassembly facility (FPAD) in a public data network situated in the same country

60pp E 9785 F 9786 S 9787 29 CHF

X.39 (10/96) Procedures for the exchange of control information and user data between a Facsimile Packet Assembly/Disassembly (FPAD) facility and a packet mode Data Terminal Equipment (DTE) or another FPAD

36pp E 9791 F 9792 S 9793 22 CHF

X.40 (11/88) Withdrawn (05.03)

Standardization of frequency-shift modulated transmission systems for the provision of telegraph and data channels by frequency division of a group

Withdrawn on 12.03.1993

X.42 (03/00) Procedures and methods for accessing a public data network from a DTE operating under control of a generalized polling protocol

36pp E 20174 F 20175 S 20176 22 CHF

X.45 (10/96) Interface between Data Terminal Equipment (DTE) and Data Circuit-terminating Equipment (DCE) for terminals operating in the packet mode and connected to public data networks, designed for efficiency at higher speeds

100pp E 10349 F 10350 S 10351 44 CHF

X.46 (09/98) Access to FRDTS via B-ISDN

28pp E 15592 F 15593 S 15594 17 CHF

X.48 (10/96) Procedures for the provision of a basic multicast service for Data Terminal Equipments (DTEs) using Recommendation X.25

32pp E 9755 F 9756 S 9757 17 CHF

X.49 (10/96) Procedures for the provision of an extended multicast service for Data Terminal Equipments (DTEs) using Recommendation X.25

68pp E 10141 F 10142 S 10143 34 CHF

Transmission, signalling and switching

X.50 (11/88) Fundamental parameters of a multiplexing scheme for the international interface between synchronous data networks

Blue Book – Fascicle VIII.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.50bis (11/88) Fundamental parameters of a 48-kbit/s user data signalling rate transmission scheme for the international interface between synchronous data networks

Blue Book – Fascicle VIII.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

- X.51 (11/88)** Fundamental parameters of a multiplexing scheme for the international interface between synchronous data networks using 10-bit envelope structure
Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- X.51bis (11/88)** Fundamental parameters of a 48-kbit/s user data signalling rate transmission scheme for the international interface between synchronous data networks using 10-bit envelope structure
Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- X.52 (11/88)** Method of encoding anisochronous signals into a synchronous user bearer
Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- X.53 (03/93)** Numbering of channels on international multiplex links at 64 kbit/s
1pp E 4575 F 4574 S 4576 8 CHF
- X.54 (11/88)** Allocation of channels on international multiplex links at 64 kbit/s
Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- X.55 (11/88)** Interface between synchronous data networks using a 6 + 2 envelope structure and single channel per carrier (SCPC) satellite channels
Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- X.56 (11/88)** Interface between synchronous data networks using an 8 + 2 envelope structure and single channel per carrier (SCPC) satellite channels
Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- X.57 (11/88)** Method of transmitting a single lower speed data channel on a 64 kbit/s data stream
Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- X.58 (11/88)** Fundamental parameters of a multiplexing scheme for the international interface between synchronous non-switched data networks using no envelope structure
Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- X.60 (11/88)** Common channel signalling for circuit-switched data applications
Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- X.61 (11/88) Withdrawn (05.01)**
Signalling System No. 7 – Data user part
This Recommendation was also included but not published in Q series under alias number Q.741. It was discontinued because it was no longer used
54pp E 15402 F 15402 S 15402 29 CHF
- X.70 (11/88)** Terminal and transit control signalling system for start-stop services on international circuits between anisochronous data networks
Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- X.71 (11/88)** Decentralized terminal and transit control signalling system on international circuits between synchronous data networks
Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- X.75 (10/96)** Packet-switched signalling system between public networks providing data transmission services
128pp E 10130 F 10131 S 10132 49 CHF
- X.75 (1996) Corrigendum 1 (09/98)**
- X.76 (02/03)** Network-to-network interface between public networks providing PVC and/or SVC frame relay data transmission service
103pp E 23144 44 CHF
- X.77 (08/97)** Interworking between PSPDNs via B-ISDN
28pp E 12432 F 12433 S 12434 17 CHF
- X.77 (1997) Corrigendum 1 (03/00)**
- X.78 (06/99)** Interworking procedures between networks providing frame relay data transmission services via B-ISDN
24pp E 16424 F 16425 S 16426 17 CHF
- X.78 (1999) Corrigendum 1 (03/00)**
- X.80 (11/88)** Interworking of interexchange signalling systems for circuit-switched data services
Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

X.81 (11/88) Interworking between an ISDN circuit-switched and a circuit-switched public data network (CSPDN)

Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

X.82 (11/88) Detailed arrangements for interworking between CSPDNs and PSPDNs based on Recommendation T.70

Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

X.85/Y.1321 (03/01) IP over SDH using LAPS

28pp E 20810 F 20811 S 20812 17 CHF

X.86/Y.1323 (02/01) Ethernet over LAPS

20pp E 21904 F 21905 S 21906 12 CHF

X.86/Y.1323 (2001) Amendment 1 (04/02) Using Ethernet flow control as rate limiting

12pp E 22440 F 22441 S 22442 9 CHF

Network aspects

X.92 (11/88) Hypothetical reference connections for public synchronous data networks

Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

X.96 (03/00) Call progress signals in public data networks

16pp E 18045 F 18046 S 18047 12 CHF

X.110 (04/02) International routing principles and routing plan for Public Data Networks

24pp E 22445 F 22446 S 22447 17 CHF

X.111 (02/03) Principles for the routing of international frame relay traffic

26pp E 23773 F 23774 S 23775 17 CHF

X.115 (04/95) Definition of address translation capability in public data networks

16pp E 6272 F 6273 S 6274 15 CHF

X.115 (1995) Amendment 1 (10/96) Refinements

8pp E 10525 F 10526 S 10527 9 CHF

X.116 (10/96) Address translation registration and resolution protocol

28pp E 10535 F 10536 S 10537 17 CHF

X.121 (10/00) International numbering plan for public data networks

35pp E 19931 F 19932 S 19933 22 CHF

E.166/X.122 (03/98) Numbering plan interworking for the E.164 and X.121 numbering plans

This Recommendation is published with the double number E.166 and X.122

44pp E 13314 F 10010 S 10011 22 CHF

X.123 (10/96) Mapping between escape codes and TOA/NPI for E.164/X.121 numbering plan interworking during the transition period

8pp E 9722 F 9723 S 9724 9 CHF

X.124 (06/99) Arrangements for the interworking of the E.164 and X.121 numbering plans for frame relay and ATM networks

28pp E 16390 F 16391 S 16392 17 CHF

X.125 (09/98) Procedure for the notification of the assignment of international network identification codes for public frame relay data networks and ATM networks numbered under the E.164 numbering plan

12pp E 15443 F 15444 S 15445 12 CHF

X.130 (11/88) Call processing delays in public data networks when providing international synchronous circuit-switched data services

Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

X.131 (11/88) Call blocking in public data networks when providing international synchronous circuit-switched data services

Blue Book – Fascicle VIII.3 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

X.134 (08/97) Portion boundaries and packet-layer reference events: Basis for defining packet-switched performance parameters

16pp E 11922 F 11923 S 11924 12 CHF

X.135 (08/97) Speed of service (delay and throughput) performance values for public data networks when providing international packet-switched services

36pp E 12505 F 12506 S 12507 22 CHF

X.135 Supplement 1 (08/97) Some test results from specific national and international portions

Published with ITU-T X.135 (1997)

X.136 (08/97) Accuracy and dependability performance values for public data networks when providing international packet-switched services

20pp E 12009 F 12010 S 12011 17 CHF

X.137 (08/97) Availability performance values for public data networks when providing international packet-switched services

20pp E 12000 F 12001 S 12002 17 CHF

X.138 (08/97) Measurement of performance values for public data networks when providing international packet-switched services

44pp E 12043 F 12044 S 12045 22 CHF

X.139 (08/97) Echo, drop, generator and test DTEs for measurement of performance values in public data networks when providing international packet-switched services

20pp E 12046 F 12047 S 12048 17 CHF

X.140 (09/92) General quality of service parameters for communication via public data networks

25pp E 3236 F 3235 S 3237 15 CHF

X.141 (11/88) General principles for the detection and correction of errors in public data networks

A Corrigendum was indicated in 06/1990 for the English version.

Blue Book – Fascicle VIII.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.144 (10/00) User information transfer performance parameters for data networks providing international frame relay PVC service

46pp E 20236 F 20237 S 20238 22 CHF

X.144 (2000) Amendment 1 (02/03)

8pp E 23570 F 23571 S 23572 9 CHF

X.145 (10/96) Performance for data networks providing international frame relay SVC service

20pp E 10173 F 10174 S 10175 17 CHF

X.145 (1996) Amendment 1 (02/03)

8pp E 23454 F 23455 S 23456 9 CHF

X.146 (10/00) Performance objectives and quality of service classes applicable to frame relay

14pp E 19937 F 19938 S 19939 17 CHF

X.148 (02/03) Procedures for the measurement of the performance of public data networks providing the international frame relay service

34pp E 23860 F 23861 S 23862 17 CHF

Maintenance

X.150 (11/88) Principles of maintenance testing for public data networks using Data Terminal Equipment (DTE) and Data Circuit-terminating Equipment (DCE) test loops

Blue Book – Fascicle VIII.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.160 (10/96) Architecture for customer network management service for public data networks

20pp E 10480 F 10481 S 10482 17 CHF

X.161 (08/97) Definition of customer network management services for public data networks

28pp E 12610 F 12611 S 12612 17 CHF

X.162 (03/00) Definition of management information for customer network management service for public data networks to be used with the CNMc interface

232pp E 18727 F 18728 S 18729 96 CHF

X.163 (04/95) Definition of management information for customer network management service for public data networks to be used with the CNMe interface

72pp E 6435 F 6436 S 6437 30 CHF

X.170 (06/99) Network-network management architecture for data networks

20pp E 16456 F 16457 S 16458 17 CHF

X.171 (03/00) Network-network management services for data networks

20pp E 19633 F 19634 S 19635 12 CHF

Administrative arrangements

X.180 (11/88) Administrative arrangements for international closed user groups (CUGs)

Blue Book – Fascicle VIII.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.181 (11/88) Administrative arrangements for the provision of international permanent virtual circuits (PVCs)

Blue Book – Fascicle VIII.3 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Open Systems Interconnection

Model and notation

X.200 (07/94) Information technology – Open Systems Interconnection – Basic Reference Model: The basic model

Identical to ISO/IEC 7498-1

59pp E 5139 F 5640 S 5641 24 CHF

X.207 (11/93) Information technology – Open Systems Interconnection – Application layer structure

Identical to ISO/IEC 9545

20pp E 4517 F 5247 S 5283 15 CHF

X.208 (11/88) **Withdrawn (10.02)**

Specification of Abstract Syntax Notation One (ASN.1)

CCITT Recommendation X.208 has been withdrawn on 30 October 2002 as it has been superseded by ITU-T Recommendations X.680-683. All known defects in X.208 have been corrected in ITU-T Recommendations X.680-683 (1993) further revised in 1997 and 2002. If you are a protocol designer creating new ASN.1 notation, you should use the 2002 version of ASN.1 as defined in ITU-T Recommendations X.680-X.683 (2002) instead of using CCITT Recommendation X.208. For further information, please see “Changing from ASN.1:1988 to ASN.1:2002” on the ITU-T Study Group 17 web page.

Blue Book – Fascicle VIII.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Common text with ISO/IEC

X.209 (11/88) **Withdrawn (10.02)**

Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1)

CCITT Recommendation X.209 has been withdrawn on 30 October 2002 as it has been superseded by ITU-T Recommendation X.690. All known defects in X.209 have been corrected in ITU-T Recommendation X.690 (1993) further revised in 1997 and 2002. If you are a protocol designer creating new ASN.1 notation, you should use the 2002 version of ASN.1 encoding rules as defined in ITU-T Recommendations X.690-X.693 (2002) instead of using CCITT Recommendation X.209. For further information, please see “Changing from ASN.1:1988 to ASN.1:2002” on the ITU-T Study Group 17 web page.

Blue Book – Fascicle VIII.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Common text with ISO/IEC

Service definitions

X.210 (11/93) Information technology – Open systems interconnection – Basic Reference Model: Conventions for the definition of OSI services

Identical to ISO/IEC 10731

25pp E 5412 F 5945 S 5709 15 CHF

X.211 (11/95) Information technology – Open systems interconnection – Physical service definition

Identical to ISO/IEC 10022

32pp E 6757 F 7347 S 7348 17 CHF

X.212 (11/95) Information technology – Open systems interconnection – Data Link service definition

Identical to ISO/IEC 8886

32pp E 6772 F 7442 S 7443 17 CHF

X.213 (10/01) Information technology – Open Systems Interconnection – Network service definition

Identical to ISO/IEC 8348

70pp E 21388 F 21389 S 21390 34 CHF

X.214 (11/95) Information technology – Open Systems Interconnection – Transport service definition

Identical to ISO/IEC 8072

36pp E 6731 F 7048 S 7049 17 CHF

X.215 (11/95) Information technology – Open Systems Interconnection – Session service definition

Identical to ISO/IEC 8326

100pp E 6733 F 6837 S 6838 44 CHF

X.215 (1995) Amendment 1 (08/97) Efficiency enhancements

Identical to ISO/IEC 8326

8pp E 12367 F 12368 S 12369 9 CHF

X.215 (1995) Amendment 2 (12/97) Nested connections functional unit

Identical to ISO/IEC 8326

8pp E 12836 F 12837 S 12838 9 CHF

X.215 (1995) Technical Cor. 1 (03/00)

Identical to ISO/IEC 8326

X.216 (07/94) Information technology – Open Systems Interconnection – Presentation service definition

Identical to ISO/IEC 8822

41pp E 5363 F 5948 S 5710 20 CHF

X.216 (1994) Amendment 1 (08/97) Efficiency enhancements

Identical to ISO/IEC 8822

8pp E 12370 F 12371 S 12372 9 CHF

X.216 (1994) Amendment 2 (12/97) Nested connections functional unit

Identical to ISO/IEC 8822

8pp E 12898 F 12899 S 12900 9 CHF

X.217 (04/95) Information technology – Open Systems Interconnection – Service definition for the Association Control Service Element

Identical to ISO/IEC 8649

28pp E 6699 F 7142 S 7143 15 CHF

X.217 (1995) Amendment 1 (10/96) Support of authentication mechanisms for the connectionless mode

Identical to ISO/IEC 8649

8pp E 10866 F 10867 S 10868 9 CHF

X.217 (1995) Amendment 2 (08/97) Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's

Identical to ISO/IEC 8649

8pp E 12352 F 12353 S 12354 9 CHF

X.217bis (09/98) Information technology – Open Systems Interconnection – Service definition for the Application Service Object Association Control Service Element

Identical to ISO/IEC 15953

32pp E 14399 S 14401 22 CHF

X.218 (03/93) Reliable Transfer: Model and service definition

Common text with ISO/IEC

17pp E 3625 F 3624 S 3626 15 CHF

X.219 (11/88) Remote Operations: Model, notation and service definition

Blue Book – Fascicle VIII.4 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Common text with ISO/IEC

Connection-mode protocol specifications

X.220 (03/93) Use of X.200-Series protocols in CCITT applications

4pp E 3631 F 3630 S 3632 8 CHF

X.222 (04/95) Use of X.25 LAPB-compatible Data Link procedures to provide the OSI connection-mode Data Link service

This title results from the modification of ITU-T X.222 (04/95) former title by Amendment 1 (10/96).

Common text with ISO/IEC

8pp E 6269 F 6270 S 6271 11 CHF

X.222 (1995) Amendment 1 (10/96) Frame relay mapping

Common text with ISO/IEC

8pp E 10514 F 10515 S 10516 9 CHF

X.223 (11/93) Use of X.25 to provide the OSI connection-mode Network service for ITU-T applications

Common text with ISO/IEC

35pp E 5619 F 5618 S 5620 20 CHF

X.223 (1993) Amendment 1 (10/96) Transit delay and other refinements

Common text with ISO/IEC

8pp E 10538 F 10539 S 10540 9 CHF

X.224 (11/95) Information technology – Open Systems Interconnection – Protocol for providing the connection-mode transport service

Identical to ISO/IEC 8073

156pp E 9681 F 9682 S 9683 61 CHF

X.224 (1995) Amendment 1 (08/97) Relaxation of class conformance requirements and expedited data service feature negotiation

Identical to ISO/IEC 8073

8pp E 12373 F 12374 S 12375 9 CHF

X.225 (11/95) Information technology – Open Systems Interconnection – Connection-oriented Session protocol: Protocol specification

Identical to ISO/IEC 8327-1

180pp E 6734 F 9842 S 9843 73 CHF

X.225 (1995) Amendment 1 (08/97) Efficiency enhancements

Identical to ISO/IEC 8327-1

36pp E 12223 F 12224 S 12225 22 CHF

X.225 (1995) Amendment 2 (12/97) Nested connections functional unit

Identical to ISO/IEC 8327-1

16pp E 12901 F 12902 S 12903 12 CHF

X.225 (1995) Technical Cor. 1 (03/00)

Identical to ISO/IEC 8327-1

X.226 (07/94) Information technology – Open Systems Interconnection – Connection-oriented Presentation protocol: Protocol specification

Identical to ISO/IEC 8823-1

60pp E 5364 F 5949 S 5711 29 CHF

X.226 (1994) Amendment 1 (08/97) Nested connections functional unit

Identical to ISO/IEC 8823-1

24pp E 12226 F 12227 S 12228 17 CHF

X.226 (1994) Amendment 2 (12/97) Nested connections functional unit

Identical to ISO/IEC 8823-1

8pp E 12839 F 12840 S 12841 9 CHF

X.227 (04/95) Information technology – Open Systems Interconnection – Connection-oriented protocol for the Association Control Service Element: Protocol specification

Identical to ISO/IEC 8650-1

44pp E 6743 F 9956 S 9957 22 CHF

X.227 (1995) Amendment 1 (10/96) Incorporation of extensibility markers

Identical to ISO/IEC 8650-1

12pp E 10869 F 10870 S 10871 12 CHF

X.227 (1995) Amendment 2 (08/97) Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's

Identical to ISO/IEC 8650-1

8pp E 12376 F 12377 S 12378 9 CHF

X.227bis (09/98) Information technology – Open Systems Interconnection – Connection-mode protocol for the Application Service Object Association Control Service Element

Identical to ISO/IEC 15954

82pp E 14499 S 14501 34 CHF

X.228 (11/88) Reliable Transfer: Protocol specification

Blue Book – Fascicle VIII.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Common text with ISO/IEC

X.228 (1988) Corrigendum 1 (03/00)

Common text with ISO/IEC

X.229 (11/88) Remote Operations: Protocol specification

Blue Book – Fascicle VIII.5 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

Common text with ISO/IEC

Connectionless-mode protocol specifications

X.233 (08/97) Information technology – Protocol for providing the connectionless-mode network service: Protocol specification

Identical to ISO/IEC 8473-1

64pp E 12823 F 12824 S 12825 29 CHF

X.234 (07/94) Information technology – Protocol for providing the OSI connectionless-mode transport service

Identical to ISO/IEC 8602

8pp E 5621 F 5981 S 5712 15 CHF

X.234 (1994) Amendment 1 (11/95) Addition of connectionless-mode multicast capability

Identical to ISO/IEC 8602

8pp E 7305 F 7306 S 7307 9 CHF

X.235 (04/95) Information technology – Open Systems Interconnection – Connectionless Session protocol: Protocol specification

Identical to ISO/IEC 9548-1

16pp E 6424 F 6854 S 6855 11 CHF

X.235 (1995) Amendment 1 (06/99) Efficiency enhancements

Identical to ISO/IEC 9548-1

12pp E 16226 F 16227 S 16228 12 CHF

X.236 (04/95) Information technology – Open Systems Interconnection – Connectionless Presentation protocol: Protocol specification

Identical to ISO/IEC 9576-1

16pp E 6284 F 6716 S 6487 15 CHF

X.236 (1995) Amendment 1 (06/99) Efficiency enhancements

Identical to ISO/IEC 9576-1

12pp E 16229 F 16230 S 16231 12 CHF

X.237 (04/95) Information technology – Open Systems Interconnection – Connectionless protocol for the Association Control Service Element: Protocol specification

Identical to ISO/IEC 10035-1

20pp E 6285 F 6485 S 6628 15 CHF

X.237 (1995) Amendment 1 (10/96) Incorporation of extensibility markers and authentication parameters

Identical to ISO/IEC 10035-1

8pp E 10872 F 10873 S 10874 9 CHF

X.237 Amd1 (10/96) Technical Cor.1 (06/99)

Identical to ISO/IEC 10035-1

X.237bis (09/98) Information technology – Open Systems Interconnection – Connectionless protocol for the Application Service Object Association Control Service Element

Identical to ISO/IEC 15955

24pp E 14402 F 14403 S 14404 17 CHF

PICS proformas

X.244 (11/88) Withdrawn (10/96)

Procedure for the exchange of protocol identification during virtual call establishment on Packet Switched Public Data Networks

Superseded by the more comprehensive description of protocol identifiers contained in X.263

X.245 (04/95) Information technology – Open Systems Interconnection – Connection-oriented Session protocol: Protocol Implementation Conformance Statement (PICS) proforma

Identical to ISO/IEC 8327-2

44pp E 6741 F 9762 S 9765 22 CHF

X.246 (10/96) Information technology – Open Systems Interconnection – Connection-oriented presentation protocol: Protocol Implementation Conformance Statement (PICS) proforma

Identical to ISO/IEC 8823-2

28pp E 9844 F 9845 S 9846 17 CHF

X.247 (10/96) Information technology – Open Systems Interconnection – Protocol specification for the association control service element: Protocol Implementation Conformance Statement (PICS) proforma

Identical to ISO/IEC 8650-2

16pp E 9847 F 9848 S 9849 12 CHF

X.248 (11/95) Information technology – Open Systems Interconnection – Reliable Transfer: Protocol Implementation Conformance Statement (PICS) proforma

Identical to ISO/IEC 9066-3

20pp E 6776 F 9557 S 9558 17 CHF

X.249 (11/95) Information technology – Open Systems Interconnection – Remote Operations: Protocol Implementation Conformance Statement (PICS) proforma

Identical to ISO/IEC 9072-3

16pp E 6777 F 9559 S 9560 12 CHF

X.255 (04/95) Information technology – Open Systems Interconnection – Connectionless Session protocol: Protocol Implementation Conformance Statement (PICS) proforma

Identical to ISO/IEC 9548-2

16pp E 6189 F 6680 S 6630 11 CHF

X.256 (04/95) Information technology – Open Systems Interconnection – Connectionless Presentation protocol: Protocol Implementation Conformance Statement (PICS) proforma

Identical to ISO/IEC 9576-2

16pp E 6190 F 6679 S 6629 11 CHF

X.257 (04/95) Information technology – Open Systems Interconnection – Connectionless protocol for the Association Control Service Element: Protocol Implementation Conformance Statement (PICS) proforma

Identical to ISO/IEC 10035-2

16pp E 6191 F 6459 S 6632 11 CHF

X.257 (1995) Amendment 1 (10/96) Support of authentication parameters

Identical to ISO/IEC 10035-2

8pp E 10678 F 10679 S 10680 9 CHF

Protocol Identification

X.260 (10/96) Information technology – Framework for protocol identification and encapsulation

Identical to ISO/IEC 14765

24pp E 9938 F 9939 S 9940 17 CHF

X.263 (09/98) Information technology – Protocol identification in the Network Layer

Identical to ISO/IEC TR 9577

24pp E 14471 F 14472 S 14473 17 CHF

X.264 (11/93) Transport protocol identification mechanism

Common text with ISO/IEC

6pp E 5110 F 5109 S 5111 8 CHF

Security Protocols

X.272 (03/00) Data compression and privacy over frame relay networks

41pp E 19834 F 19835 S 19836 22 CHF

X.273 (07/94) Information technology – Open Systems Interconnection – Network layer security protocol

Identical to ISO/IEC 11577

108pp E 5622 F 6255 S 6180 44 CHF

X.274 (07/94) Information technology – Telecommunication and information exchange between systems – Transport layer security protocol

Identical to ISO/IEC 10736

50pp E 5553 F 6287 S 6288 24 CHF

Layer Managed Objects

X.281 (06/99) Information technology – Elements of management information related to the OSI Physical Layer

Identical to ISO/IEC 13642

24pp E 16132 F 16133 S 16134 17 CHF

X.282 (06/99) Elements of management information related to the OSI Data Link layer

Common text with ISO/IEC

136pp E 16464 F 16465 S 16466 55 CHF

X.283 (12/97) Information technology – Elements of management information related to the OSI Network layer

Identical to ISO/IEC 10733

288pp E 13122 F 13123 S 13124 96 CHF

X.284 (12/97) Information technology – Elements of management information related to the OSI Transport Layer

Identical to ISO/IEC 10737

164pp E 13125 F 13126 S 13127 73 CHF

X.287 (03/99) Information technology – Open Systems Interconnection – Structure of management information: Managed objects for supporting upper layers

Identical to ISO/IEC 10165-8

44pp E 16402 F 16403 S 16404 22 CHF

Conformance testing

X.290 (04/95) OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – General concepts

Common text with ISO/IEC

60pp E 6639 F 6640 S 6641 25 CHF

X.291 (04/95) OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – Abstract test suite specification

Common text with ISO/IEC

48pp E 6402 F 6403 S 6404 20 CHF

X.292 (05/02) OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – The Tree And Tabular Combined Notation (TTCN)

Common text with ISO/IEC

248pp E 22903 F 22904 S 22905 96 CHF

X.293 (04/95) OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – Test realization

Common text with ISO/IEC

20pp E 6656 F 6657 S 6658 15 CHF

X.294 (04/95) OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – Requirements on test laboratories and clients for the conformance assessment process

Common text with ISO/IEC

44pp E 6659 F 6660 S 6661 20 CHF

X.295 (04/95) OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – Protocol profile test specification

Common text with ISO/IEC

24pp E 6642 F 6643 S 6644 15 CHF

X.296 (11/95) OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – Implementation conformance statements

Common text with ISO/IEC

64pp E 7250 F 7251 S 7252 29 CHF

Interworking between networks

General

X.300 (10/96) General principles for interworking between public networks and between public networks and other networks for the provision of data transmission services

56pp E 10792 F 10793 S 10794 29 CHF

X.301 (10/96) Description of the general arrangements for call control within a subnetwork and between subnetworks for the provision of data transmission services

72pp E 10176 F 10177 S 10178 34 CHF

X.302 (11/88) Description of the general arrangements for internal network utilities within a subnetwork and intermediate utilities between subnetworks for the provision of data transmission services

Blue Book – Fascicle VIII.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.305 (11/88) Functionalities of subnetworks relating to the support of the OSI connection-mode network service

Blue Book – Fascicle VIII.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.320 (10/96) General arrangements for interworking between integrated services digital networks (ISDNs) for the provision of data transmission services

20pp E 10147 F 10148 S 10149 17 CHF

X.321 (10/96) General arrangements for interworking between Circuit-Switched Public Data Networks (CSPDNs) and Integrated Services Digital Networks (ISDNs) for the provision of data transmission services

This Recommendation is also included but not published in I series under alias number I.540

12pp E 10150 F 10151 S 10152 12 CHF

X.322 (11/88) General arrangements for interworking between Packet-Switched Public Data Networks (PSPDNs) and Circuit-Switched Public Data Networks (CSPDNs) for the provision of data transmission services

Blue Book – Fascicle VIII.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.323 (11/88) General arrangements for interworking between Packet-Switched Public Data Networks (PSPDNs)

Blue Book – Fascicle VIII.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.324 (11/88) General arrangements for interworking between Packet-Switched Public Data Networks (PSPDNs) and public mobile systems for the provision of data transmission services

Blue Book – Fascicle VIII.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.325 (10/96) General arrangements for interworking between Packet-Switched Public Data Networks (PSPDNs) and Integrated Services Digital Networks (ISDNs) for the provision of data transmission services

This Recommendation is also included but not published in I series under alias number I.550

12pp E 10159 F 10160 S 10161 12 CHF

X.326 (11/88) General arrangements for interworking between Packet-Switched Public Data Networks (PSPDNs) and Common Channel Signalling Network (CCSN)

Blue Book – Fascicle VIII.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.327 (11/93) General arrangements for interworking between Packet-Switched Public Data Networks (PSPDNs) and private data networks for the provision of data transmission services

9pp E 5156 F 5220 S 5255 11 CHF

X.328 (10/96) General arrangements for interworking between Public Data Networks providing frame relay data transmission services and Integrated Services Digital Networks (ISDNs) for the provision of data transmission services

16pp E 10352 F 10353 S 10354 12 CHF

X.329 (03/00) General arrangements for interworking between networks providing frame relay data transmission services and B-ISDN

24pp E 18188 F 18189 S 18190 17 CHF

X.340 (03/93) General arrangements for interworking between a Packet-Switched Public Data Network (PSPDN) and the international telex network

9pp E 3643 F 3642 S 3644 11 CHF

Satellite data transmission systems

X.350 (12/97) General interworking requirements to be met for data transmission in international public mobile satellite systems

12pp E 12731 F 12732 S 12733 12 CHF

X.351 (11/88) Special requirements to be met for Packet Assembly/Disassembly facilities (PADs) located at or in association with coast earth stations in the public mobile satellite service

Blue Book – Fascicle VIII.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.352 (11/88) Interworking between packet-switched public data networks and public maritime mobile satellite data transmission systems

Blue Book – Fascicle VIII.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.353 (11/88) Routing principles for interconnecting public maritime mobile satellite data transmission systems with public data networks

Blue Book – Fascicle VIII.6 (see: List of Books in force)

Individually through the Electronic Bookshop: 20 CHF

X.361 (10/96) Connection of VSAT systems with Packet-Switched Public Data Networks based on X.25 procedures

24pp E 10355 F 10356 S 10357 17 CHF

IP-based networks

X.370 (11/88) Withdrawn (10.96)

Arrangements for the transfer of internetwork management information

Deleted because it was such a general Recommendation that it served no useful practical purpose

X.371/Y.1402 (02/01) General arrangements for interworking between Public Data Networks and the Internet

19pp E 21749 F 21750 S 21751 12 CHF

Message Handling Systems

F.400/X.400 (06/99) Message handling services: Message handling system and service overview

Common text with ISO/IEC

132 CHF

X.402 (06/99) Information technology – Message Handling Systems (MHS) – Overall Architecture

Identical to ISO/IEC 10021-2

108pp E 17401 44 CHF

X.403 (11/88) Withdrawn (11.95)

Message handling systems: conformance testing

This Recommendation was withdrawn because conformance testing concepts and methods defined in it were related to the 1984 MHS Recommendations and were not aligned with either the first or second versions of conformance testing standards. ITU-T X.480 (1992) refers to the 1988 “Blue Book” MHS Recommendations and was better aligned with the testing standards

- X.404 (06/99)** Information technology – Message Handling Systems (MHS): MHS routing – Guide for messaging systems managers
Identical to ISO/IEC 10021-11
64pp E 16427 F 16428 S 16429 29 CHF
- X.407 (11/88) Withdrawn (11.95)**
Message handling systems: Abstract service definition conventions
This Recommendation was not referenced from any Recommendation and some of its technical content was contained in ITU-T X.402 (1995)
Common text with ISO/IEC
- X.408 (11/88)** Message handling systems: Encoded information type conversion rules
Blue Book – Fascicle VIII.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF
- X.410 (10/84) Withdrawn (05.03)**
Message handling systems: remote operations and reliable transfer server
Withdrawn on 25.11.1988
- X.411 (06/99)** Information technology – Message Handling Systems (MHS): Message transfer system: abstract service definition and procedures
Identical to ISO/IEC 10021-4
202pp E 17395 73 CHF
- X.412 (06/99)** Information technology – Message Handling System (MHS): MHS routing
Identical to ISO/IEC 10021-10
76pp E 16524 F 17399 S 17400 34 CHF
- X.413 (06/99)** Information technology – Message Handling Systems (MHS) – Message store: Abstract Service Definition
Identical to ISO/IEC 10021-5
156pp E 17237 F 17238 61 CHF
- X.419 (06/99)** Information technology – Message Handling Systems (MHS): Protocol specifications
Identical to ISO/IEC 10021-6
58pp E 17353 29 CHF
- X.420 (06/99)** Information technology – Message Handling Systems (MHS): Interpersonal messaging system
Identical to ISO/IEC 10021-7
220pp E 17404 96 CHF
- X.421 (06/99)** Message Handling Systems: COMFAX use of MHS
20pp E 18352 F 18353 S 18354 12 CHF
- X.435 (06/99)** Information technology – Message handling services (MHS): Electronic Data Interchange messaging system
Identical to ISO/IEC 10021-9
120pp E 16552 F 16553 S 16554 49 CHF
- X.440 (06/99)** Message handling systems: Voice messaging system
165 CHF
- X.445 (04/95)** Asynchronous protocol specification – Provision of OSI connection mode network service over the telephone network
40pp E 6479 F 6480 S 6481 20 CHF
- X.446 (08/97)** Common messaging call API
288pp E 11948 F 11949 S 11950 96 CHF
- X.460 (04/95)** Information technology – Message Handling Systems (MHS) Management: Model and architecture
Identical to ISO/IEC 11588-1
20pp E 6427 F 6856 S 6857 11 CHF
- X.462 (10/96)** Information technology – Message Handling Systems (MHS) Management: Logging information
Identical to ISO/IEC 11588-3
96pp E 9640 F 9641 S 9642 39 CHF
- X.467 (10/96)** Information technology – Message Handling Systems (MHS) Management: Message transfer agent management
Identical to ISO/IEC 11588-8
120pp E 9618 F 9619 S 9620 49 CHF
- X.480 (09/92) Withdrawn (03.00)**
Message handling systems and directory services – conformance testing
Withdrawn as it references documents that have been deleted by the ITU
10pp E 3357 F 3356 S 3358 11 CHF
- X.481 (06/99)** Message handling systems – P2 protocol PICS proforma
Common text with ISO/IEC
28pp E 15651 F 15652 S 15653 17 CHF

X.482 (06/99) Message handling systems – P1 protocol PICS proforma

Common text with ISO/IEC

32pp E 15654 F 15655 S 15656 22 CHF

X.483 (06/99) Message handling systems – P3 protocol PICS proforma

Common text with ISO/IEC

44pp E 15685 F 15686 S 15687 22 CHF

X.484 (06/99) Message handling systems – P7 protocol PICS proforma

Common text with ISO/IEC

76pp E 15710 F 15711 S 15712 39 CHF

X.485 (09/92) Message handling systems: Voice messaging system Protocol Implementation Conformance Statement (PICS) proforma

27pp E 3468 F 3467 S 3469 15 CHF

X.486 (06/99) Message handling systems – Pedi protocol PICS proforma

Common text with ISO/IEC

24pp E 15636 F 15637 S 15638 17 CHF

X.487 (06/99) Message handling systems – IPM-MS attributes PICS proforma

Common text with ISO/IEC

32pp E 16277 F 16278 S 16279 17 CHF

X.488 (06/99) Message handling systems – EDI-MS attributes PICS proforma

Common text with ISO/IEC

12pp E 16280 F 16281 S 16282 17 CHF

Directory

X.500 (02/01) Information technology – Open Systems Interconnection – The Directory: Overview of concepts, models and services

Identical to ISO/IEC 9594-1

30pp E 21260 F 21261 S 21262 17 CHF

X.501 (02/01) Information technology – Open Systems Interconnection – The Directory: Models

Identical to ISO/IEC 9594-2

240pp E 21308 F 21309 S 21310 96 CHF

X.509 (03/00) Information technology – Open Systems Interconnection – The Directory: Public-key and attribute certificate frameworks

Identical to ISO/IEC 9594-8

146pp E 19454 F 19455 S 19456 61 CHF

X.509 (2000) Technical Cor.1 (10/01)

Identical to ISO/IEC 9594-8

X.509 (2000) Technical Cor.2 (04/02)

Identical to ISO/IEC 9594-8

X.509 (2000) Technical Cor. 3 (02/03)

Identical to ISO/IEC 9594-8

X.511 (02/01) Information technology – Open Systems Interconnection – The Directory: Abstract service definition

Identical to ISO/IEC 9594-3

110pp E 20873 F 20874 S 20875 44 CHF

X.518 (02/01) Information technology – Open Systems Interconnection – The Directory: Procedures for distributed operation

Identical to ISO/IEC 9594-4

121pp E 21373 F 21374 S 21375 49 CHF

X.519 (02/01) Information technology – Open Systems Interconnection – The Directory: Protocol specifications

Identical to ISO/IEC 9594-5

70pp E 21317 F 21318 S 21319 34 CHF

X.520 (02/01) Information technology – Open Systems Interconnection – The Directory: Selected attribute types

Identical to ISO/IEC 9594-6

74pp E 21311 F 21312 S 21313 34 CHF

X.520 (2001) Technical Cor.1 (04/02)

Identical to ISO/IEC 9594-6

X.521 (02/01) Information technology – Open Systems Interconnection – The Directory: Selected object classes

Identical to ISO/IEC 9594-7

34pp E 21263 F 21264 S 21265 17 CHF

X.525 (02/01) Information technology – Open Systems Interconnection – The Directory: Replication

Identical to ISO/IEC 9594-9

44pp E 21221 F 21222 S 21223 22 CHF

X.530 (02/01) Information technology – Open Systems Interconnection – The Directory: Use of systems management for administration of the Directory

Identical to ISO/IEC 9594-10

94pp E 21314 F 21315 S 21316 39 CHF

X.581 (11/95) Withdrawn (06.02)

Information technology – Open Systems Interconnection – The Directory: Directory Access Protocol – Protocol Implementation Conformance Statement (PICS) proforma

ITU-T Recs. X.581 and X.582 contain the PICS proforma based on the 1988 (first) edition of the Directory Specifications, while ITU-T Recs. X.583 through X.586 provide the PICS proformas for the second edition of the Directory Specifications. Since there are no plans to update these proformas to align with the new 2000/2001 (fourth) edition of the Directory specifications, X.581 and X.582 are considered as obsolete and are withdrawn

Common text with ISO/IEC

28pp E 6687 F 7132 S 7133 15 CHF

X.582 (11/95) Withdrawn (06.02)

Information technology – Open Systems Interconnection – The Directory: Directory System Protocol – Protocol Implementation Conformance Statement (PICS) proforma

ITU-T Recs. X.581 and X.582 contain the PICS proforma based on the 1988 (first) edition of the Directory Specifications, while ITU-T Recs. X.583 through X.586 provide the PICS proformas for the second edition of the Directory Specifications. Since there are no plans to update these proformas to align with the new 2000/2001 (fourth) edition of the Directory specifications, X.581 and X.582 are considered as obsolete and are withdrawn

Common text with ISO/IEC

32pp E 6686 F 7147 S 7148 15 CHF

X.583 (12/97) Information technology – Open Systems Interconnection – The Directory: Protocol Implementation Conformance Statement (PICS) proforma for the Directory Access Protocol

Identical to ISO/IEC 13248-1

52pp E 13506 F 13507 S 13508 29 CHF

X.584 (12/97) Information technology – Open Systems Interconnection – The Directory: Protocol Implementation Conformance Statement (PICS) proforma for the Directory System Protocol

Identical to ISO/IEC 13248-2

52pp E 13478 F 13479 S 13480 29 CHF

X.585 (12/97) Information technology – Open Systems Interconnection – The Directory: Protocol Implementation Conformance Statement (PICS) proforma for the Directory Operational Binding Management Protocol

Identical to ISO/IEC 13248-3

28pp E 13481 F 13482 S 13483 17 CHF

X.586 (12/97) Information technology – Open Systems Interconnection – The Directory: Protocol Implementation Conformance Statement (PICS) proforma for the Directory Information Shadowing Protocol

Identical to ISO/IEC 13248-4

28pp E 13465 S 13467 17 CHF

OSI networking and system aspects

Networking

X.601 (03/00) Multi-peer communications framework

20pp E 18573 F 18574 S 18575 17 CHF

X.605 (09/98) Information technology – Enhanced Communications Transport Service Definition

Identical to ISO/IEC 13252

52pp E 14474 F 14475 S 14476 29 CHF

X.606 (10/01) Information technology – Enhanced communications transport protocol: Specification of simplex multicast transport

Identical to ISO/IEC 14476-1

36pp E 21385 F 21386 S 21387 17 CHF

X.606.1 (02/03) Information technology – Enhanced Communications Transport Protocol: Specification of QoS management for simplex multicast transport

Identical to ISO/IEC 14476-2

43pp E 23143 22 CHF

X.610 (09/92) Provision and support of the OSI connection-mode Network service

26pp E 3504 F 3503 S 3505 15 CHF

X.612 (09/92) Information technology – Provision of the OSI connection-mode network service by packet-mode terminal equipment connected to an Integrated Services Digital Network (ISDN)

Identical to ISO/IEC 9574

19pp E 3043 F 3091 S 3096 15 CHF

X.613 (09/92) Information technology – Use of X.25 Packet Layer Protocol in conjunction with X.21/X.21 bis to provide the OSI connection-mode Network service

Identical to ISO/IEC 10588

11pp E 3082 F 3092 S 3101 11 CHF

X.614 (09/92) Information technology – Use of X.25 Packet Layer Protocol to provide the OSI connection-mode Network service over the telephone network

Identical to ISO/IEC 10732

9pp E 3083 F 3093 S 3102 11 CHF

X.622 (07/94) Information technology – Protocol for providing the connectionless-mode network service: Provision of the underlying service by an X.25 Subnetwork

Identical to ISO/IEC 8473-3

11pp E 5630 F 5950 S 5713 11 CHF

X.623 (07/94) Information technology – Protocol for providing the connectionless-mode Network service: Provision of the underlying service by a subnetwork that provides the OSI Data Link service

Identical to ISO/IEC 8473-4

10pp E 5631 F 5715 S 5714 11 CHF

X.625 (10/96) Information technology – Protocol for providing the connectionless-mode Network service: Provision of the underlying service by ISDN circuit-switched B-channels

Identical to ISO/IEC 8473-5

16pp E 9672 F 9673 S 9674 12 CHF

Efficiency

X.630 (09/98) Efficient Open Systems Interconnection (OSI) operations

32pp E 14427 F 14428 S 14429 17 CHF

X.633 (10/96) Information technology – Open systems interconnection – Network Fast Byte Protocol

Identical to ISO/IEC 14700

28pp E 9882 F 9883 S 9884 17 CHF

X.633 Addendum 1 (09/98) SDL specifications

This text is published in English only. It includes one diskette containing the SDT files of the SDL specifications of the Network Fast Byte protocol

48pp E 14768 62 CHF

X.634 (10/96) Information technology – Open Systems Interconnection – Transport Fast Byte Protocol

Identical to ISO/IEC 14699

28pp E 9885 F 9886 S 9887 17 CHF

X.634 Addendum 1 (09/98) SDL specifications

This text is published in English only.

This Annex includes one diskette containing the SDT files of the SDL specifications of the Transport Fast Byte protocol.

28pp E 14764 57 CHF

X.637 (10/96) Basic connection-oriented common upper layer requirements

Common text with ISO/IEC

24pp E 10358 F 10359 S 10360 17 CHF

X.638 (10/96) Minimal OSI facilities to support basic communications applications

Common text with ISO/IEC

56pp E 10517 F 10518 S 10519 29 CHF

X.639 (10/96) Basic connection-oriented requirements for ROSE-based profiles

Common text with ISO/IEC

16pp E 10179 F 10180 S 10181 12 CHF

Quality of service

X.641 (12/97) Information technology – Quality of service: Framework

Identical to ISO/IEC 13236

52pp E 13037 F 13038 S 13039 29 CHF

X.642 (09/98) Information technology – Quality of service – Guide to methods and mechanisms

Identical to ISO/IEC 13243

32pp E 14468 F 14469 S 14470 17 CHF

Naming, Addressing and Registration

X.650 (10/96) Information technology – Open Systems Interconnection – Basic Reference Model: Naming and addressing

Identical to ISO/IEC 7498-3

28pp E 9684 F 9685 S 9686 17 CHF

- X.660 (09/92)** Information technology – Open Systems Interconnection – Procedures for the operation of OSI Registration Authorities: General procedures
Identical to ISO/IEC 9834-1
15pp E 3042 F 3090 S 3095 15 CHF
- X.660 (1992) Amendment 1 (10/96)** Information technology – Open Systems Interconnection – Procedures for the operation of OSI Registration Authorities: General procedures – Amend.1: Incorporation of object identifiers components
Identical to ISO/IEC 9834-1
12pp E 9725 F 9726 S 9727 12 CHF
- X.660 (1992) Amendment 2 (08/97)** Incorporation of the root arcs of the object identifier tree
Identical to ISO/IEC 9834-1
12pp E 12747 F 12748 S 12749 12 CHF
- X.662 (08/97)** Information technology – Open Systems Interconnection – Procedures for the operation of OSI Registration Authorities: Registration of values of RH-name-tree components for joint ISO and ITU-T use
Identical to ISO/IEC 9834-3
8pp E 11735 F 11736 S 11737 9 CHF
- X.665 (09/92)** Information technology – Open Systems Interconnection – Procedures for the operation of OSI Registration Authorities: Application processes and application entities
Identical to ISO/IEC 9834-6
6pp E 3286 F 3285 S 3287 11 CHF
- X.666 (08/97)** Information technology – Open Systems Interconnection – Procedures for the operation of OSI Registration Authorities: Assignment of international names for use in specific contexts
Identical to ISO/IEC 9834-7
28pp E 11738 F 11739 S 11740 17 CHF
- X.669 (10/96)** Procedures for the operation of OSI registration authorities: Registration procedures for the ITU-T subordinate arcs
8pp E 10461 F 10462 S 10463 9 CHF
- X.669 (1996) Corrigendum 1 (06/99)**
- X.670 (10/96)** Procedures for registration agents operating on behalf of organizations to register organization names subordinate to country names
12pp E 10445 F 10446 S 10447 12 CHF
- X.671 (10/96)** Procedures for a registration authority operating on behalf of countries to register organization names subordinate to country names
8pp E 10448 F 10449 S 10450 9 CHF
- Abstract Syntax Notation One (ASN.1)*
- X.680-X.693 (07/02)** Information Technology – Abstract Syntax Notation One (ASN.1) & ASN.1 encoding rules
This word collective file contains automatic cross-linkings, and is available in English only. Please read carefully the readme.rtf file before opening it.
- X.680 (07/02)** Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation
Identical to ISO/IEC 8824-1
146pp E 23476 55 CHF
- X.680-X.693 (07/02)** Information Technology – Abstract Syntax Notation One (ASN.1) & ASN.1 encoding rules
This word collective file contains automatic cross-linkings, and is available in English only. Please read carefully the readme.rtf file before opening it.
- X.681 (07/02)** Information technology – Abstract Syntax Notation One (ASN.1): Information object specification
Identical to ISO/IEC 8824-2
42pp E 23493 22 CHF
- X.680-X.693 (07/02)** Information Technology – Abstract Syntax Notation One (ASN.1) & ASN.1 encoding rules
This word collective file contains automatic cross-linkings, and is available in English only. Please read carefully the readme.rtf file before opening it.
- X.682 (07/02)** Information technology – Abstract Syntax Notation One (ASN.1): Constraint specification
Identical to ISO/IEC 8824-3
18pp E 23479 12 CHF

X.680-X.693 (07/02) Information Technology – Abstract Syntax Notation One (ASN.1) & ASN.1 encoding rules

This word collective file contains automatic cross-linkings, and is available in English only. Please read carefully the readme.rtf file before opening it.

X.683 (07/02) Information technology – Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 specifications

Identical to ISO/IEC 8824-4

22pp E 23496 17 CHF

X.680-X.693 (07/02) Information Technology – Abstract Syntax Notation One (ASN.1) & ASN.1 encoding rules

This word collective file contains automatic cross-linkings, and is available in English only. Please read carefully the readme.rtf file before opening it.

X.690 (07/02) Information technology – ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)

Identical to ISO/IEC 8825-1

36pp E 23482 17 CHF

X.680-X.693 (07/02) Information Technology – Abstract Syntax Notation One (ASN.1) & ASN.1 encoding rules

This word collective file contains automatic cross-linkings, and is available in English only. Please read carefully the readme.rtf file before opening it.

X.691 (07/02) Information technology – ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)

Identical to ISO/IEC 8825-2

56pp E 23485 29 CHF

X.680-X.693 (07/02) Information Technology – Abstract Syntax Notation One (ASN.1) & ASN.1 encoding rules

This word collective file contains automatic cross-linkings, and is available in English only. Please read carefully the readme.rtf file before opening it.

X.692 (03/02) Information technology – ASN.1 encoding rules: Specification of Encoding Control Notation (ECN)

An electronic version of Annex E of this Recommendation with an associated ECN Huffman encoding macro is also published independently and freely available from ITU website

Identical to ISO/IEC 8825-3

196pp E 23490 S 23490 73 CHF

X.692 (2002) Annex E (03/02) Support for Huffman encodings

This electronic file reproduces Annex E of ITU-T Rec. X.692 (03/2002) and contains an ECN Huffman encoding macro in Visual Basic for Word 2000

Free of charge from the Electronic Bookshop

2pp 9 CHF

X.680-X.693 (07/02) Information Technology – Abstract Syntax Notation One (ASN.1) & ASN.1 encoding rules

This word collective file contains automatic cross-linkings, and is available in English only. Please read carefully the readme.rtf file before opening it.

X.693 (12/01) Information technology – ASN.1 encoding rules: XML encoding rules

Identical to ISO/IEC 8825-4

18pp E 21711 F 21712 S 21713 12 CHF

OSI management

Systems Management framework and architecture

X.700 (09/92) Management framework for Open Systems Interconnection (OSI) for CCITT applications

Common text with ISO/IEC

11pp E 3438 F 3437 S 3439 11 CHF

X.701 (08/97) Information technology – Open Systems Interconnection – Systems management overview

Identical to ISO/IEC 10040

32pp E 12568 F 12569 S 12570 17 CHF

X.702 (11/95) Information technology – Open Systems Interconnection – Application context for systems management with transaction processing

Identical to ISO/IEC 11587

16pp E 6701 F 7102 S 7103 11 CHF

X.703 (10/97) Information technology – Open Distributed Management Architecture
Identical to ISO/IEC 13244
56pp E 12857 F 12858 S 12859 29 CHF

X.703 (1997) Amendment 1 (06/98) Support using Common Object Request Broker Architecture (CORBA)
Identical to ISO/IEC 13244
12pp E 14172 F 14173 S 14174 12 CHF

Management Communication Service and Protocol

X.710 (10/97) Managed objects for diagnostic information of public switched telephone network connected V-series modem DCE's
Identical to ISO/IEC 9595
36pp E 12481 F 12482 S 12483 22 CHF

X.711 (10/97) Information technology – Open Systems Interconnection – Common management information protocol: Specification
Identical to ISO/IEC 9596-1
40pp E 12616 F 12617 S 12618 22 CHF

X.711 (1997) Technical Cor. 1 (03/99)
Identical to ISO/IEC 9596-1

X.711 (1997) Technical Cor.2 (02/00)
Identical to ISO/IEC 9596-1

X.712 (09/92) Information technology – Open Systems Interconnection – Common management information protocol: Protocol Implementation Conformance Statement (PICS) proforma
Identical to ISO/IEC 9596-2
61pp E 3084 F 3094 S 3103 29 CHF

X.712 (1992) Technical Cor. 1 and Cor.2 (10/96)
Identical to ISO/IEC 9596-2

X.712 (1992) Technical Cor. 3 (06/98)
Identical to ISO/IEC 9596-2

Structure of Management Information

X.720 (01/92) Information technology – Open Systems Interconnection – Structure of management information: Management information model
Identical to ISO/IEC 10165-1
31pp E 3158 F 3157 S 3159 15 CHF

X.720 (1992) Technical Cor. 1 (02/94)
Identical to ISO/IEC 10165-1

X.720 (1992) Amendment 1 (11/95) Generalization of terms
Identical to ISO/IEC 10165-1
8pp E 6694 F 6947 S 6948 8 CHF

X.721 (02/92) Information technology – Open Systems Interconnection – Structure of management information: Definition of management information
Identical to ISO/IEC 10165-2
63pp E 2828 F 2793 S 2863 29 CHF

X.721 (1992) Technical Cor.1 (02/94)
Identical to ISO/IEC 10165-2

X.721 (1992) Technical Cor.2 (10/96)
Identical to ISO/IEC 10165-2

X.721 (1992) Technical Cor.3 (06/98)
Identical to ISO/IEC 10165-2

X.721 (1992) Technical Cor.4 (02/00)
Identical to ISO/IEC 10165-2

X.721 (1992) Amendment 1 (08/01) States to support lifecycle
Identical to ISO/IEC 10165-2
10pp E 21288 S 21290 9 CHF

X.722 (01/92) Information technology – Open Systems Interconnection – Structure of Management Information: Guidelines for the definition of managed objects
Identical to ISO/IEC 10165-4
50pp E 3045 F 3086 S 3046 24 CHF

X.722 (1992) Amendment 1 (11/95) Set by create and component registration
Identical to ISO/IEC 10165-4
8pp E 6695 F 6964 S 6965 8 CHF

X.722 (1992) Technical Cor. 1 (10/96)
Identical to ISO/IEC 10165-4

X.722 (1992) Amendment 2 (08/97) Addition of the NO-MODIFY syntax element and guidelines extension
Identical to ISO/IEC 10165-4
16pp E 12484 F 12485 S 12486 12 CHF

X.722 (1992) Amendment 3 (08/97) Guidelines for the use of Z in formalizing the behaviour of managed objects
Identical to ISO/IEC 10165-4
24pp E 12534 F 12535 S 12536 17 CHF

X.722 (1992) Technical Cor.2 (02/00)
Identical to ISO/IEC 10165-4

X.723 (11/93) Information technology – Open Systems Interconnection – Structure of management information: Generic management information

Identical to ISO/IEC 10165-5

18pp E 4487 F 5213 S 5248 15 CHF

X.723 (1993) Technical Cor. 1 (06/98)

Identical to ISO/IEC 10165-5

X.723 (1993) Technical Cor.2 (02/00)

Identical to ISO/IEC 10165-5

X.724 (10/96) Information technology – Open Systems Interconnection – Structure of management information: Requirements and guidelines for implementation conformance statement proformas associated with OSI management

Identical to ISO/IEC 10165-6

64pp E 9646 F 9647 S 9648 29 CHF

X.725 (11/95) Information technology – Open Systems Interconnection – Structure of management information: General Relationship Model

Identical to ISO/IEC 10165-7

52pp E 6750 F 9769 S 9770 29 CHF

X.727 (03/99) Information technology – Open Systems Interconnection – Structure of management information: Systems management application layer managed objects

Identical to ISO/IEC 10165-9

16pp E 16090 F 16091 S 16092 17 CHF

Management functions and ODMA functions

X.730 (01/92) Information technology – Open Systems Interconnection – Systems Management: Object management function

Identical to ISO/IEC 10164-1

24pp E 3047 F 3087 S 3098 15 CHF

X.730 (1992) Amendment 1 (04/95) Implementation Conformance Statement proformas

Identical to ISO/IEC 10164-1

32pp E 6423 F 6910 S 6911 15 CHF

X.730 (1992) Am1 Technical Cor.1 (10/96)

Identical to ISO/IEC 10164-1

X.731 (01/92) Information technology – Open Systems Interconnection – Systems Management: State management function

Identical to ISO/IEC 10164-2

23pp E 3044 F 3085 S 3097 15 CHF

X.731 (1992) Technical Cor. 1 (04/95)

Identical to ISO/IEC 10164-2

X.731 (1992) Amendment 1 (04/95) Implementation Conformance Statement proformas

Identical to ISO/IEC 10164-2

24pp E 6422 F 6912 S 6913 15 CHF

X.731 (1992) Am1 Technical Cor.1 (10/96)

Identical to ISO/IEC 10164-2

X.731 (1992) Technical Cor. 2 (01/01)

Identical to ISO/IEC 10164-2

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G.7714.1/Y.1705.1 (04/03) Protocol for automatic discovery in SDH and OTN networks

28pp E 23582 17 CHF

G.7715/Y.1706 (06/02) Architecture and Requirements for Routing in the Automatic Switched Optical Networks

36pp E 22748 F 22749 S 22750 17 CHF

Y.1710 (11/02) Requirements for OAM functionality for MPLS networks

12pp E 23051 F 23052 S 23053 9 CHF

Y.1711 (11/02) Operation & Maintenance mechanism for MPLS networks

32pp E 23194 F 23195 S 23196 17 CHF

Y.1720 (04/03) Protection switching for MPLS networks

16pp E 23475 12 CHF

Next Generation Networks

Generalized mobility

SERIES Z

Languages and general software aspects for telecommunication systems

Formal description techniques (FDT)

Specification and Description Language (SDL)

Z.100 (08/02) Specification and Description Language (SDL)

206pp E 23606 F 23607 S 23608 96 CHF

Z.100 Annex F1 (11/00) SDL formal definition: General

32pp E 21407 F 21409 S 21410 17 CHF

Z.100 Annex F2 (11/00) SDL formal definition: Static semantics

218pp E 21224 96 CHF

Z.100 Annex F3 (11/00) SDL formal definition: Dynamic semantics

125pp E 21017 49 CHF

Z.100 Supplement 1 (05/97) SDL+ methodology: Use of MSC and SDL (with ASN.1)

88pp E 12677 F 12678 S 12679 39 CHF

Z.105 (07/03) SDL combined with ASN.1 modules (SDL/ASN.1)

37pp E 23901 22 CHF

Z.106 (08/02) Common interchange format for SDL

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Z.107 (11/99) SDL with embedded ASN.1

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Z.109 (11/99) SDL combined with UML

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Application of formal description techniques

Z.110 (11/00) Criteria for use of formal description techniques by ITU-T

12pp E 20915 F 20916 S 20917 9 CHF

Message Sequence Chart (MSC)

Z.120 (11/99) Message sequence chart (MSC)

136pp E 20087 F 20088 S 20089 55 CHF

Z.120 (1999) Corrigendum 1 (12/01)

Z.120 Annex B (04/98) Formal semantics of message sequence charts

84pp E 22267 34 CHF

Z.121 (02/03) Specification and Description Language (SDL) data binding to Message Sequence Charts (MSC)

18pp E 23748 F 23749 S 23750 12 CHF

Extended Object Definition Language (eODL)

Z.130 (07/03) Extended Object Definition Language (eODL): Techniques for distributed software component development – Conceptual foundation, notations and technology mappings

E 24050 49 CHF

Testing and Test Control Notation (TTCN)

Z.140 (04/03) Testing and Test Control Notation version 3 (TTCN-3): Core language
200pp E 24248 73 CHF

Z.141 (02/03) Testing and Test Control Notation version 3 (TTCN-3): Tabular presentation format
36pp E 23794 17 CHF

Z.142 (02/03) Testing and Test Control Notation version 3 (TTCN-3): Graphical presentation format
146pp E 23857 55 CHF

User Requirements Notation (URN)

Z.150 (02/03) User Requirements Notation (URN) – Language requirements and framework
36pp E 24095 F 24096 S 24097 17 CHF

Programming languages

CHILL: The ITU-T high level language

Z.200 (11/99) CHILL – The ITU-T Programming Language
Identical to ISO/IEC 9496
232pp E 19317 F 19318 S 19319 96 CHF

Man-machine language

General principles

Z.301 (11/88) Introduction to the CCITT man-machine language
Blue Book – Fascicle X.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Z.302 (11/88) The meta-language for describing mmL syntax and dialogue procedures
Blue Book – Fascicle X.7 (see: List of Books in force)
Individually through the Electronic Bookshop: 20 CHF

Basic syntax and dialogue procedures

Z.311 (11/88) Introduction to syntax and dialogue procedures
Blue Book – Fascicle X.7 (see: List of Books in force)
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Z.312 (11/88) Basic format layout
Blue Book – Fascicle X.7 (see: List of Books in force)
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Z.314 (11/88) The character set and basic elements
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Extended mmL for visual display terminals

Z.321 (11/88) Introduction to the extended mmL for visual display terminals
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Z.322 (11/88) Capabilities of visual display terminals
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Z.323 (11/88) Man-machine interaction
This Recommendation is also included but not published in E series under alias number E.333.
Blue Book – Fascicle X.7 (see: List of Books in force)
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Specification of the man-machine interface

Z.331 (11/88) Introduction to the specification of the man-machine interface
Blue Book – Fascicle X.7 (see: List of Books in force)
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Z.332 (11/88) Methodology for the specification of the man-machine interface – General working procedure
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Data-oriented human-machine interfaces

Z.351 (03/93) Data oriented human-machine interface specification technique – Introduction
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Z.352 (03/93) Data oriented human-machine interface specification technique – Scope, approach and reference model
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Human-computer interfaces for the management of telecommunications networks

Z.360 (05/97) Graphic GDMO: A graphic notation for the Guidelines for the Definition of Managed Objects
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Z.361 (02/99) Design guidelines for Human-Computer Interfaces (HCI) for the management of telecommunications networks
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Quality

Quality of telecommunication software

Z.400 (03/93) Structure and format of quality manuals for telecommunications software
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Methods

Methods for validation and testing

Z.500 (05/97) Framework on formal methods in conformance testing
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Middleware

Distributed processing environment

Z.600 (11/00) Distributed processing environment architecture
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Mapping of ISO/IEC Standards to ITU-T Recommendations and ITU-T Recommendations to ISO/IEC Standards

The following table gives the ITU-T Recommendation numbers corresponding to the ISO/IEC International Standards ordered ISO numbers.

White lines correspond to identical ITU-T/ISO/IEC texts. Shaded lines correspond to texts that are not identical, but that have same technical content.

ISO/IEC Standards to ITU-T Recommendations

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|-----------------|-------|----------------|-------|------------------|-------------|
| ISO 646 | T.50 | ISO/IEC 8823-2 | X.246 | ISO/IEC 9594-9 | X.525 |
| ISO/IEC 7498-1 | X.200 | ISO/IEC 8824 | X.208 | ISO/IEC 9594-10 | X.530 |
| ISO/IEC 7498-2 | X.800 | ISO/IEC 8824-1 | X.680 | ISO/IEC 9595 | X.710 |
| ISO/IEC 7498-3 | X.650 | ISO/IEC 8824-2 | X.681 | ISO/IEC 9596-1 | X.711 |
| ISO/IEC 7498-4 | X.700 | ISO/IEC 8824-3 | X.682 | ISO/IEC 9596-2 | X.712 |
| ISO/IEC 8072 | X.214 | ISO/IEC 8824-4 | X.683 | ISO/IEC 9646-1 | X.290 |
| ISO/IEC 8073 | X.224 | ISO/IEC 8825 | X.209 | ISO/IEC 9646-2 | X.291 |
| ISO/IEC 8326 | X.215 | ISO/IEC 8825-1 | X.690 | ISO/IEC 9646-3 | X.292 |
| ISO/IEC 8327-1 | X.225 | ISO/IEC 8825-2 | X.691 | ISO/IEC 9646-4 | X.293 |
| ISO/IEC 8327-2 | X.245 | ISO/IEC 8878 | X.223 | ISO/IEC 9646-5 | X.294 |
| ISO/IEC 8348 | X.213 | ISO/IEC 8886 | X.212 | ISO/IEC 9646-6 | X.295 |
| ISO/IEC 8473-1 | X.233 | ISO/IEC 9066-1 | X.218 | ISO/IEC 9646-7 | X.296 |
| ISO/IEC 8473-3 | X.622 | ISO/IEC 9066-2 | X.228 | ISO/IEC 9804 | X.851 |
| ISO/IEC 8473-4 | X.623 | ISO/IEC 9066-3 | X.248 | ISO/IEC 9805-1 | X.852 |
| ISO/IEC 8473-5 | X.625 | ISO/IEC 9072-1 | X.219 | ISO/IEC 9805-2 | X.853 |
| ISO/IEC 8602 | X.234 | ISO/IEC 9072-2 | X.229 | ISO/IEC 9834-1 | X.660 |
| ISO/IEC 8613-1 | T.411 | ISO/IEC 9072-3 | X.249 | ISO/IEC 9834-3 | X.662 |
| ISO/IEC 8613-2 | T.412 | ISO/IEC 9496 | Z.200 | ISO/IEC 9834-6 | X.665 |
| ISO/IEC 8613-3 | T.413 | ISO/IEC 9545 | X.207 | ISO/IEC 9834-7 | X.666 |
| ISO/IEC 8613-4 | T.414 | ISO/IEC 9548-1 | X.235 | ISO/IEC 10021-1 | F.400/X.400 |
| ISO/IEC 8613-5 | T.415 | ISO/IEC 9548-2 | X.255 | ISO/IEC 10021-2 | X.402 |
| ISO/IEC 8613-6 | T.416 | ISO/IEC 9574 | X.612 | ISO/IEC 10021-4 | X.411 |
| ISO/IEC 8613-7 | T.417 | ISO/IEC 9576-1 | X.236 | ISO/IEC 10021-5 | X.413 |
| ISO/IEC 8613-8 | T.418 | ISO/IEC 9576-2 | X.256 | ISO/IEC 10021-6 | X.419 |
| ISO/IEC 8613-9 | T.419 | ISO/IEC 9577 | X.263 | ISO/IEC 10021-7 | X.420 |
| ISO/IEC 8613-11 | T.421 | ISO/IEC 9594-1 | X.500 | ISO/IEC 10021-8 | F.435 |
| ISO/IEC 8613-12 | T.422 | ISO/IEC 9594-2 | X.501 | ISO/IEC 10021-9 | X.435 |
| ISO/IEC 8613-14 | T.424 | ISO/IEC 9594-3 | X.511 | ISO/IEC 10021-10 | X.412 |
| ISO/IEC 8649 | X.217 | ISO/IEC 9594-4 | X.518 | ISO/IEC 10021-11 | X.404 |
| ISO/IEC 8650-1 | X.227 | ISO/IEC 9594-5 | X.519 | ISO/IEC 10022 | X.211 |
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| ISO/IEC 8822 | X.216 | ISO/IEC 9594-7 | X.521 | ISO/IEC 10026-2 | X.861 |
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| ISO/IEC 10026-4 | X.863 |
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| ISO/IEC 10181-6 | X.815 |
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| ISO/IEC 10588 | X.613 |

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| ISO/IEC ISP 10610-1 | T.502 |
| ISO/IEC 10611-3 | X.482 |
| ISO/IEC 10611-4 | X.483 |
| ISO/IEC 10611-5 | X.484 |
| ISO/IEC 10731 | X.210 |
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| ISO/IEC 10918-1 | T.81 |
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| ISO/IEC ISP 11181-1 | T.505 |
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| ISO/IEC ISP 11188-1 | X.637 |
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| ISO/IEC 11544 | T.82 |
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| ISO/IEC 11586-1 | X.830 |
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| ISO/IEC 11586-5 | X.834 |
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| ISO/IEC 11587 | X.702 |
| ISO/IEC 11588-1 | X.460 |
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| ISO/IEC 13235-1 | X.950 |
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| ISO/IEC 13243 | X.642 |
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| ISO/IEC 13248-1 | X.583 |
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| ISO/IEC 13522-1 | T.171 |
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| ISO/IEC 13642 | X.281 |
| ISO/IEC 13712-1 | X.880 |
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| ISO/IEC 14753 | X.930 |
| ISO/IEC 14765 | X.260 |
| ISO/IEC 14769 | X.960 |
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| ISO/IEC 15945 | X.843 |
| ISO/IEC 15953 | X.217 bis |
| ISO/IEC 15954 | X.227 bis |
| ISO/IEC 15955 | X.237 bis |
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ITU-T Recommendations to ISO/IEC Standards

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| F.400/X.400 | ISO/IEC 10021-1 | X.217 bis | ISO/IEC 15953 | X.296 | ISO/IEC 9646-7 |
| F.435 | ISO/IEC 10021-8 | X.218 | ISO/IEC 9066-1 | X.402 | ISO/IEC 10021-2 |
| H.222.0 | ISO/IEC 13818-1 | X.219 | ISO/IEC 9072-1 | X.404 | ISO/IEC 10021-11 |
| H.262 | ISO/IEC 13818-2 | X.222 | ISO/IEC 11575 | X.411 | ISO/IEC 10021-4 |
| T.44 | ISO/IEC 16485 | X.223 | ISO/IEC 8878 | X.412 | ISO/IEC 10021-10 |
| T.50 | ISO 646 | X.224 | ISO/IEC 8073 | X.413 | ISO/IEC 10021-5 |
| T.81 | ISO/IEC 10918-1 | X.225 | ISO/IEC 8327-1 | X.419 | ISO/IEC 10021-6 |
| T.82 | ISO/IEC 11544 | X.226 | ISO/IEC 8823-1 | X.420 | ISO/IEC 10021-7 |
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| T.84 | ISO/IEC 10918-3 | X.227 bis | ISO/IEC 15954 | X.460 | ISO/IEC 11588-1 |
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| T.411 | ISO/IEC 8613-1 | X.235 | ISO/IEC 9548-1 | X.483 | ISO/IEC 10611-4 |
| T.412 | ISO/IEC 8613-2 | X.236 | ISO/IEC 9576-1 | X.484 | ISO/IEC 10611-5 |
| T.413 | ISO/IEC 8613-3 | X.237 | ISO/IEC 10035-1 | X.486 | ISO/IEC 12063-2 |
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| T.415 | ISO/IEC 8613-5 | X.245 | ISO/IEC 8327-2 | X.488 | ISO/IEC 12063-5 |
| T.416 | ISO/IEC 8613-6 | X.246 | ISO/IEC 8823-2 | X.500 | ISO/IEC 9594-1 |
| T.417 | ISO/IEC 8613-7 | X.247 | ISO/IEC 8650-2 | X.501 | ISO/IEC 9594-2 |
| T.418 | ISO/IEC 8613-8 | X.248 | ISO/IEC 9066-3 | X.509 | ISO/IEC 9594-8 |
| T.419 | ISO/IEC 8613-9 | X.249 | ISO/IEC 9072-3 | X.511 | ISO/IEC 9594-3 |
| T.421 | ISO/IEC 8613-11 | X.255 | ISO/IEC 9548-2 | X.518 | ISO/IEC 9594-4 |
| T.422 | ISO/IEC 8613-12 | X.256 | ISO/IEC 9576-2 | X.519 | ISO/IEC 9594-5 |
| T.424 | ISO/IEC 8613-14 | X.257 | ISO/IEC 10035-2 | X.520 | ISO/IEC 9594-6 |
| T.502 | ISO/IEC ISP 10610-1 | X.260 | ISO/IEC 14765 | X.521 | ISO/IEC 9594-7 |
| T.505 | ISO/IEC ISP 11181-1 | X.263 | ISO/IEC 9577 | X.525 | ISO/IEC 9594-9 |
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| X.215 | ISO/IEC 8326 | X.293 | ISO/IEC 9646-4 | X.622 | ISO/IEC 8473-3 |
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| X.633 | ISO/IEC 14700 |
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| X.711 | ISO/IEC 9596-1 |
| X.712 | ISO/IEC 9596-2 |
| X.720 | ISO/IEC 10165-1 |
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| X.722 | ISO/IEC 10165-4 |
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| X.730 | ISO/IEC 10164-1 |
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| X.734 | ISO/IEC 10164-5 |
| X.735 | ISO/IEC 10164-6 |
| X.736 | ISO/IEC 10164-7 |
| X.737 | ISO/IEC 10164-14 |
| X.738 | ISO/IEC 10164-13 |
| X.739 | ISO/IEC 10164-11 |
| X.740 | ISO/IEC 10164-8 |
| X.741 | ISO/IEC 10164-9 |
| X.742 | ISO/IEC 10164-10 |
| X.743 | ISO/IEC 10164-20 |
| X.744 | ISO/IEC 10164-18 |
| X.745 | ISO/IEC 10164-12 |
| X.746 | ISO/IEC 10164-15 |
| X.748 | ISO/IEC 10164-22 |
| X.749 | ISO/IEC 10164-19 |
| X.750 | ISO/IEC 10164-16 |
| X.751 | ISO/IEC 10164-17 |
| X.753 | ISO/IEC 10164-21 |
| X.800 | ISO/IEC 7498-2 |
| X.802 | ISO/IEC TR 13594 |
| X.803 | ISO/IEC 10745 |
| X.810 | ISO/IEC 10181-1 |
| X.811 | ISO/IEC 10181-2 |
| X.812 | ISO/IEC 10181-3 |
| X.813 | ISO/IEC 10181-4 |
| X.814 | ISO/IEC 10181-5 |
| X.815 | ISO/IEC 10181-6 |
| X.816 | ISO/IEC 10181-7 |

| | |
|-------|-----------------|
| X.830 | ISO/IEC 11586-1 |
| X.831 | ISO/IEC 11586-2 |
| X.832 | ISO/IEC 11586-3 |
| X.833 | ISO/IEC 11586-4 |
| X.834 | ISO/IEC 11586-5 |
| X.835 | ISO/IEC 11586-6 |
| X.841 | ISO/IEC 15816 |
| X.842 | ISO/IEC 14516 |
| X.843 | ISO/IEC 15945 |
| X.851 | ISO/IEC 9804 |
| X.852 | ISO/IEC 9805-1 |
| X.853 | ISO/IEC 9805-2 |
| X.860 | ISO/IEC 10026-1 |
| X.861 | ISO/IEC 10026-2 |
| X.862 | ISO/IEC 10026-3 |
| X.863 | ISO/IEC 10026-4 |
| X.880 | ISO/IEC 13712-1 |
| X.881 | ISO/IEC 13712-2 |
| X.882 | ISO/IEC 13712-3 |
| X.901 | ISO/IEC 10746-1 |
| X.902 | ISO/IEC 10746-2 |
| X.903 | ISO/IEC 10746-3 |
| X.904 | ISO/IEC 10746-4 |
| X.910 | ISO/IEC 14771 |
| X.920 | ISO/IEC 14750 |
| X.930 | ISO/IEC 14753 |
| X.931 | ISO/IEC 14752 |
| X.950 | ISO/IEC 13235-1 |
| X.952 | ISO/IEC 13235-3 |
| X.960 | ISO/IEC 14769 |
| Z.200 | ISO/IEC 9496 |

TRANSFERRED ITU-R CMTT RECOMMENDATIONS TO ITU-T J-SERIES

(by CMTT number order)

These Recommendations were originally developed by ITU Radiocommunications Sector and subsequently transferred to ITU Standardization Sector.

| ITU-R Number | ITU-T Number | Approval date | Title |
|-----------------|-----------------|------------------|--|
| CMTT 473 | J.63 | 01/06/90 | Insertion of test signals in the field-blanking interval of monochrome and colour television signals |
| CMTT 474-1 | J.24 | 26/02/82 | Modulation of signals carried by sound-programme circuits by interfering signals from power supply sources |
| CMTT 502 | J.11 | 25/11/88 | Hypothetical reference circuits for sound-programme transmissions |
| CMTT 503 | J.23 | 25/11/88 | Performance characteristics of 7 kHz type (narrow bandwidth) sound-programme circuits |
| CMTT 505 | J.21 | 22/08/94 | Performance characteristics of 15 kHz-type sound-programme circuits – Circuits for high quality monophonic and stereophonic transmissions |
| CMTT 567-3 | J.61 | 01/06/90 | Transmission performance of television circuits designed for use in international connections |
| CMTT 568 | J.62 | 26/02/78 | Single value of the signal-to-noise ratio for all television systems |
| CMTT 569 | J.64 | 26/02/86 | Definitions of parameters for simplified automatic measurement of television insertion test signals |
| CMTT 570 | J.65 | 26/02/78 | Standard test signal for conventional loading of a television channel |
| CMTT 571 | J.19 | 25/11/88 | A conventional test signal simulating sound-programme signals for measuring interference in other channels |
| CMTT 572 | J.66 | 26/02/78 | Transmission of one sound programme associated with analogue television signal by means of time division multiplex in the line synchronizing pulse |
| CMTT 603 | J.68 | 26/02/82 | Hypothetical reference chain for television transmissions over very long distances |
| CMTT 604-2 | J.85 | 01/06/90 | Digital television transmission over long distances – General principles |
| CMTT 605-1 | J.25 | 23/05/86 | Estimation of transmission performance of sound-programme circuits shorter or longer than the hypothetical reference circuit |
| CMTT 606-1 | J.53 | 01/06/90 | Sampling frequency to be used for the digital transmission of high-quality sound-programme signals |
| CMTT 645-1 | J.26 | 01/06/90 | Test signals to be used on international sound-programme connections |

| ITU-R Number | ITU-T Number | Approval date | Title |
|---------------------|---------------------|----------------------|--|
| CMTT 658-1 | J.86 | 01/06/90 | Mixed analogue-and-digital transmission of analogue composite television signals over long distances |
| CMTT 659 | J.51 | 22/08/94 | General principles and user requirements for the digital transmission of high quality sound programmes |
| CMTT 660 | J.54 | 23/05/86 | Transmission of analogue high-quality sound-programme signals on mixed analogue-and-digital circuits using 384 kbit/s channels |
| CMTT 661-1 | J.27 | 01/06/90 | Signals for the alignment of international sound-programme connections |
| CMTT 717 | J.100 | 01/06/90 | Tolerances for transmission time differences between the vision and sound components of a television signal |
| CMTT 718 | J.55 | 01/06/90 | Digital transmission of high-quality sound-programme signals on distribution circuits using 480 kbit/s (496 kbit/s) per audio channel |
| CMTT 719 | J.56 | 01/06/90 | Transmission of high-quality sound-programme analogue signals over mixed analogue/digital circuits at 320 kbit/s |
| CMTT 720 | J.101 | 01/06/90 | Measurement methods and test procedures for teletext signals |
| CMTT 721 | J.80 | 08/09/93 | Transmission of component-coded digital television signals for contribution-quality applications at bit rates near 140 Mbit/s |
| CMTT 723 | J.81 | 08/09/93 | Transmission of component-coded digital television signals for contribution-quality applications at the third hierarchical level of ITU-T Recommendation G.702 |
| CMTT 724 | J.57 | 01/06/90 | Transmission of digital studio quality sound signals over H1 channels |
| CMTT 772 | J.67 | 22/08/94 | Test signals and measurement techniques for transmission circuits carrying MAC/packet signals or HD-MAC signals |

ITU-T HANDBOOKS

Operation

Instructions for the international Telephone Service (1993)

These instructions correspond to Recommendation ITU-T E.141

Article: E 3382 F 3381 S 3383
A 5961 23 CHF

Network Planning

Optical Fibre System Planning Guide (1989)

Article: E 1277 F 1278 S 1279 140 CHF

Handbook on Transmission Planning (1993)

Article: E 3214 F 3213 S 3215 28 CHF

Handbook on Quality of Service and Network Performance (1993)

Article: E 2977 F 2976 S 2978 37 CHF

Implementation Guidelines

Guidelines for Preparing and Conducting Field Trials of Digital Switching Equipments (1987)

Article: E 1116 F 1117 S 1118 20 CHF

ISDN Field Trial Guidelines (1991)

Article: E 2067 F 2066 S 2068 38 CHF

Guidelines for Implementing a Signalling System No. 7 Network (1991)

Article: E 1910 F 1909 S 1911 37 CHF

Introduction of New Technology in Local Network (1993)

Article: E 3343 58 CHF

Outside Plant

Outside Plant Technologies for Public Networks (1992)

Article: E 2075 F 2074 S 2076 122 CHF

Preservation of Wooden Poles Carrying Overhead Telecommunication Lines (1974)

Article: E 493 F 494 S 495 23 CHF

Jointing of Plastic-Sheathed Cables (1978)

Article: E 484 F 486 S 487 27 CHF

Jointing of Telecommunication Cable Conductors (1982)

Article: E 489 F 490 S 491 47 CHF

Optical Fibres for Telecommunications (1984)

Article: E 1041 F 1042 S 1043
A 4721 70 CHF

Construction, Installation, Jointing and Protection of Optical Fibre Cables (1994)

Article: E 3775 F 3774 S 3776
R 9590 A 5962 53 CHF

Application of Computers and Microprocessors to the Construction, Installation and Protection of Telecommunication Cables (1999)

Article: E 14517 F 14695 S 14696 20 CHF

Protection of telecommunication buildings from fire (2001)

Article: E 19255 F 19256 S 19257 28 CHF

Handbook on Marinized Terrestrial Cables (2001)

Article: E 20502 F 20503 S 20504 34 CHF

Addition to section 3 of the Handbook on Telephonometry (2001)

Article: E 20261 F 20262 S 20263 12 CHF

Guide to the use of ITU-T publications produced by Study Group 5 aimed at achieving electromagnetic compatibility and safety (2001)

Article: E 20954 F 20955 S 20956 17 CHF

Handbook on interference measuring techniques (2001)

Article: E 20506 F 20505 S 20507 38 CHF

Protection against Electromagnetic Effects

Earthing of Telecommunication Installations (1976)

Article: E 497 F 498 S 499 41 CHF

The Protection of Telecommunication Lines and Equipment Against Lightning Discharges – Chapters 1 to 5 (1974)

Article: E 689 F 690 S 691 85 CHF

Chapters 6, 7 and 8 (1978)

Article: E 693 F 694 S 695 42 CHF

Chapters 9 and 10 (1994)

Article: E 5479 F 5478 S 5480 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 (1990)

Article: E 1773 F 1764 S 1782 36 CHF

Volume II: Calculating induced voltages and currents in practical cases (1999)

Article: E 15034 F 15065 S 15068 160 CHF

Volume III: Capacitive, inductive and conductive coupling: physical theory and calculation methods (1990)

Article: E 1775 F 1766 S 1784 56 CHF

Volume IV: Inducing currents and voltages in electrified railway systems (1990)

Article: E 1776 F 1767 S 1785 62 CHF

Volume V: Inducing currents and voltages in power transmission and distribution systems (1999)

Article: E 15071 F 15072 S 15073 24 CHF

Volume VI: Danger and disturbance (1990)

Article: E 1778 F 1769 S 1787 21 CHF

Volume VII: Protective measures and safety precautions. (1990)

Article: E 1779 F 1770 S 1788 21 CHF

Volume VIII: Protective devices (1990)

Article: E 1780 F 1771 S 1789 9 CHF

Volume IX: Testing methods and measuring apparatus (1990)

Article: E 1781 F 1772 S 1790 84 CHF

Measurement Methods

Handbook on Telephony (1993)

Article: E 3771 F 3770 S 3772 86 CHF

Additions to the Handbook on Telephony (1999)

Article: E 14626 F 14627 S 14628 12 CHF

Addition to section 2.3 of the Handbook on Telephony (2000)

Forthcoming

Compendium of Cable Measurement Methods (1984)

Article: E 458 F 471 S 474 40 CHF

Formal Languages

Introduction to CHILL (1993)

Only available in English

Article: E 3739 23 CHF

CHILL User Manual (1986)

Only available in English

Article: E 1055 31 CHF

CHILL Formal Definition – Volume I, Parts 1, 2, 3 (1982)

Only available in English

Article: E 1052 31 CHF

CHILL Formal Definition – Volume II, Part 4 (1982)

Only available in English

Article: E 1053 43 CHF

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. Details about price and article number can be found in the Recommendation list.. Some of these are not included in *ITU-T Recommendations on CD-ROM*. For more information, please contact ITU Sales Services at sales@itu.int.

| Series | Subject |
|---|---|
| G.191 (11/00) | This Recommendation includes 1 CD-ROM containing the software tools library (STL-2000)). The STL-2000 Manual is freely available from this Website for information purpose. |
| G.722 Appendix II (11/88) | This document corresponds to ITU-T Rec. G.722 Appendix II which was published in the Blue Book (1988). It includes one diskette containing the digital test sequences for the verification of the G.722 SB-ADPCM codec |
| G.722.1 (09/99) | This Recommendation includes an electronic attachment containing the reference code (release 1.2) and the test vectors for ITU-T G.722.1 algorithm implementation verification. This release includes the corrections indicated in corrigendum 1 (11/2000) |
| G.722.1 Annex B (11/00) | This annex includes an electronic attachment containing the reference code and the test vectors for ITU-T G.722.1/Annex B floating-point algorithm implementation verification |
| G.723.1 Annex A (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.723.1 Annex B (11/96) | This Annex includes one 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.723.1 Annex C (11/96) | This Annex includes one diskette containing the reference code and the test vectors for implementation verification of the scalable channel coding scheme. |
| G.726 Appendix II test vectors (03/91) | This document corresponds to G.726 Appendix II. It includes 2 diskettes containing respectively the A-Law and μ -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) |

| Series | Subject |
|---|---|
| G.727 Appendix I test vectors (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.728 Annex H (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.728 Annex J (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.728 Appendix I Software (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.729 (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.729 Annex A (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.729 Annex B (02/00) | This Annex includes 1 electronic attachment containing source code and test sequences for implementation verification of the algorithm of the G.729 Silence compression scheme version 1.4, which reflects modifications given in Corrigendum 2 (02/2000) |
| G.729 Annex B (1996) Corrigendum 2 (02/00) | This Corrigendum concerns only the software; the resulting version 1.4 is included in the published ITU-T Recommendation G.729 Annex B (10/1996) |
| G.729 Annex C (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 |
| G.729 Annex C+ (02/00) | This annex includes an electronic attachment containing version 2.1 of reference C code for floating point implementation of CS-ACELP at 6.4/8/11.8 kbit/s with DTX functionality |
| G.729 Annex D (02/00) | This Annex includes one electronic attachment containing version 1.3 of source C code for fixed point implementation of the G.729 6.4 kbit/s CS-ACELP speech coder, which reflects modifications given in Corrigendum 1 (02/2000) |

| Series | Subject |
|---------------------------------|--|
| G.729 Annex D (1998) | |
| Corrigendum 1 (02/00) | This corrigendum concerns only the software; the resulting version 1.3 is included in the published ITU-T Recommendation G.729 Annex D (09/1998) |
| G.729 Annex E (09/98) | This Annex includes one electronic attachment containing version 1.3 of source C code and test vectors for fixed point implementation of the G.729 11.8 kbit/s CS-ACELP speech coder, which reflects modifications given in Corrigendum 1 (02/2000). |
| G.729 Annex E (1998) | |
| Corrigendum 1 (02/00) | This corrigendum concerns only the software; the resulting version 1.3 is included in the published ITU-T Recommendation G.729 Annex D (09/1998) |
| G.729 Annex E (1998) | |
| Corrigendum 1 (02/00) | This corrigendum concerns only the software; the resulting version 1.3 is included in the published ITU-T Recommendation G.729 Annex E (09/1998) |
| G.729 Annex F (02/00) | This annex includes an electronic attachment containing version 1.1 of reference C code and test vectors for fixed point implementation of CS-ACELP at 6.4 kbit/s 8 kbit/s with DTX functionality |
| G.729 Annex G (02/00) | This annex includes an electronic attachment containing version 1.1 of reference C code and test vectors for fixed point implementation of CS-ACELP at 8 kbit/s and 11.8 kbit/s with DTX functionality |
| G.729 Annex H (02/00) | This annex includes an electronic attachment containing version 1.1 of reference C code and test vectors for fixed point implementation of CS-ACELP at 6.4 kbit/s 8 kbit/s and 11.8 kbit/s without DTX functionality |
| G.729 Annex I (02/00) | This annex includes an electronic attachment containing version 1.1 of reference C code and test vectors for fixed point implementation of CS-ACELP at 6.4 kbit/s, 8 kbit/s and 11.8 kbit/s with DTX functionality |
| G.763 (10/98) | This Recommendation includes 2 diskettes. The first one contains A-Law and μ -Law test vectors for DCME verification. The second one contains example transmit/receive SDLs. Covering note, May 2000: Erratum |
| G.763 Appendix I (10/98) | This appendix includes one diskette containing information on the additional requirements |
| G.776.1 (10/98) | This Recommendation includes one diskette containing the information model of Signal Processing Network Elements (SPNE) |
| G.967.1 (06/98) | This Recommendation includes one diskette containing the SDL process diagrams corresponding to the VB5.1 reference point |

| Series | Subject |
|------------------------------------|--|
| G.967.2 (02/99) | This Recommendation includes one diskette containing the SDL process diagrams corresponding to the VB5.2 reference point |
| H.341 (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 |
| H Supplement 1 (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 |
| J.120 (05/00) | |
| J.170 (02/02) | |
| M.3120 (10/01) | |
| P.50 Appendix I (02/98) | This Appendix includes one CD-ROM containing the speech database for telephony applications. Not available through Electronic Bookshop. To purchase, please contact Sales@itu.int |
| P.501 (05/00) | This Recommendation includes one CD-ROM containing test signals for telephony applications |
| P.834 (07/02) | |
| P.861 (02/98) | |
| Withdrawn (07/01) | P.861 was recognized as having certain limitations in specific areas of application. It was replaced by P.862, which contains an improved objective speech quality assessment algorithm. P.861 included one diskette containing test vectors for implementation verification of the PSQM algorithm |
| P.862 (02/01) | |
| P Supplement 23 (02/98) | This supplement includes 3 CD-ROMs containing the ITU-T coded speech database for 8 kbit/s codec tests Not available through Electronic Bookshop. To purchase, please contact Sales@itu.int |
| Q.765.1 bis (12/99) | This Recommendation includes an electronic attachment containing the ATS for ISUP'97 for APM support of VPN in machine processable form and in pdf form |
| Q.784.2 (06/97) | This Recommendation includes one diskette containing Annex D ISUP'92 ATS for Basic Call in graphical and in machine processable form |
| Q.784.3 (12/99) | This Recommendation includes an electronic attachment containing the ATS for ISUP'97 basic call control procedures in machine processable form and in pdf form |
| Q.785.2 (03/99) | This Recommendation includes one CD-ROM containing the ISUP'97 ATS for Supplementary Services in machine processable form and in graphical form |
| Q.785.2 Amendment 1 (12/00) | |
| Q.921 bis (03/93) | This Recommendation includes 5 diskettes containing postscript files of ATS for testing conformance of basic rate user side equipment to ITU-T Rec. Q.921 |

| Series | Subject |
|---------------------------|--|
| Q.933 bis (10/95) | This Recommendation includes one diskette containing Abstract test suites Section II corresponding to additional procedures for PVCs as per ITU-T Rec. Q.933 Annex A |
| Q.953.5 (12/99) | This Recommendation includes one diskette containing the SDL process diagrams of DSS1 CCNR in machine processable form |
| Q.1228 (09/97) | This Recommendation includes 3 diskettes containing ITU-T Rec. Q.1228 SDL diagrams in SDT source format and in PDF format |
| Q.1238.1 (06/00) | This Recommendation includes an electronic attachment containing the ASN.1 definitions for the IN CS-3 common aspects |
| Q.1238.2 (06/00) | This Recommendation includes an electronic attachment containing the ASN.1 definitions and the SDL diagrams in machine processable forms and in pdf form for SCF-SFF interface |
| Q.1238.3 (06/00) | This Recommendation includes an electronic attachment containing the ASN.1 definitions for the IN CS-3 SCF-SRF interface |
| Q.1238.4 (06/00) | This Recommendation includes an electronic attachment containing the ASN.1 definitions for the IN CS-3 SCF-SDF interface |
| Q.1238.5 (06/00) | This Recommendation includes an electronic attachment containing the ASN.1 definitions for the IN CS-3 SDF-SDF interface |
| Q.1238.6 (06/00) | This Recommendation includes an electronic attachment containing the ASN.1 definitions for the IN CS-3 SCF-SCF interface |
| Q.1238.7 (06/00) | This Recommendation includes an electronic attachment containing the ASN.1 definitions for the IN CS-3 SCF-CUSF interface |
| Q.1248.1 (07/01) | |
| Q.1248.2 (07/01) | |
| Q.1248.3 (07/01) | |
| Q.1248.4 (07/01) | |
| Q.1248.5 (07/01) | |
| Q.1248.6 (07/01) | |
| Q.1248.7 (07/01) | |
| Q.1600 bis (12/99) | This Recommendation includes an electronic attachment containing the ATS in machine processable form and in pdf form for ISUP97/INAP CS-1 interaction |
| Q.1950 (07/01) | |

| Series | Subject |
|---------------------------------|---|
| Q.2991.1 (12/99) | This Recommendation includes an electronic attachment containing Test Purpose list for network integration testing |
| Q.2991.2 (12/99) | This Recommendation includes an electronic attachment containing the ATS in machine processable form and in pdf form for network integration testing |
| T.24 (06/98) | This Recommendation includes 2 CD-ROMs containing the digitized image set. Due to the data large volume, this Recommendation is not downloadable from the Electronic Bookshop and should be provided from ITU Sales department (Email Sales@itu.int). ITU-T Rec. T.24 text is downloadable free of charge for information purpose. The specimens reproduced inside this text are given for illustration purposes and are not suitable for measurements. |
| T.24 Amendment 1 (02/00) | |
| T.83 (11/94) | This Recommendation includes 3 diskettes containing compliance test data for the generic encoder and decoder compliance tests |
| T.87 (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 |
| T.803 (11/02) | |
| T.804 (08/02) | |
| T.870 (03/02) | This Recommendation includes an electronic attachment containing the data set used for implementing the JPEG-LS T.870 extension conformance test |
| V.56 <i>ter</i> (08/96) | This Recommendation includes 2 diskettes containing the data files used for the voiceband duplex modems throughput tests |
| X.633 Add.1 (09/98) | This text is published in English only. It includes one diskette containing the SDT files of the SDL specifications of the Network Fast Byte protocol |
| X.634 Add.1 (09/98) | This text is published in English only. This Annex includes one diskette containing the SDT files of the SDL specifications of the Transport Fast Byte protocol |

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.

T.22 (03/93) – Test Chart No. 4: Black and white facsimile test chart BW01

302 × 222 mm high contrast bi-level chart containing text in a variety of languages, fonts and pitches and various black and white patterns. This test chart exists in two qualities:

| | | |
|---|-------------|---------------|
| <i>Test chart No. 4, high quality</i> | <i>4530</i> | <i>12 CHF</i> |
| <i>Test chart No. 4, standard quality</i> | <i>5494</i> | <i>5 CHF</i> |

T.22 (03/93) – Test Chart No. 5: Continuous tone facsimile test chart CT01

279 × 216 mm gray scale chart containing several strips and patches of various gray scale levels, and two photographs.

| | | |
|-------------------------|--------------|---------------|
| <i>Test chart No. 5</i> | <i>11941</i> | <i>26 CHF</i> |
|-------------------------|--------------|---------------|

T.23 (04/94) – Test Chart No. 6: 4-colour printing facsimile test chart 4CP01

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.

| | | |
|-------------------------|--------------|--------------|
| <i>Test chart No. 6</i> | <i>10465</i> | <i>9 CHF</i> |
|-------------------------|--------------|--------------|

T.24 (06/98) – Standardized digitized image set on CD-ROM

This digitized test chart set is an integral part of Recommendation T.24 and is published with it. The 2 CD-ROMS include a set of digitized images with different resolutions:

- 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

| | | | | |
|----------------------|----------------|----------------|----------------|----------------|
| <i>Rec. + CD-ROM</i> | <i>E 16670</i> | <i>F 16671</i> | <i>S 16672</i> | <i>154 CHF</i> |
|----------------------|----------------|----------------|----------------|----------------|

OTHER ITU-T PRODUCTS

ITU Operational Bulletin (2003) (printed versions, electronic version and on-line service)

2003

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/ 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 edition in E, F, S

385 CHF

Paper – On line – Electronic Bookshop

Lists annexed to Operational Bulletin

Note from the TSB

The following Lists* have been published by TSB or BR as Annexes to the ITU Operational Bulletin (OB):

| OB No. | Title | Price |
|---------------|--|--------------|
| 707 | List of International Signalling Point Codes (ISPC) (According to ITU-T Recommendation Q.708 (03/99)) (Position on 1 January 2000) | 20 CHF |
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| 714 | List of ITU Carrier Codes (According to ITU-T Recommendation M.1400) (02/2000) Position on 15 April 2000 and List of Data Network Identification Codes (DNIC) (According to ITU-T Recommendation X.121) (Position 15 April 2000) | 20 CHF |
| 717 | List of ITU-T Recommendation E.164 assigned country codes (Position on 1 June 2000) | 20 CHF |
| 719 | Dialling Procedures (International prefix, national (trunk) prefix and national (significant) number) (In accordance with ITU-T Recommendation E.164 (05/97)) (Position on 1 July 2000) | 20 CHF |
| 720 | List of Data Country or Geographical Area Codes (Complement to ITU-T Recommendation X.121) (Position on 15 July 2000) | 20 CHF |
| 725 | List of names of administration management domains (ADMD) (In accordance with ITU-T F.400 and X.400 series Recommendations) (Position on 30 September 2000) | 20 CHF |
| 727 | List of issuer identifier numbers for the international telecommunication charge card (In accordance with ITU-T Recommendation E.118) (Position on 1 November 2000) | 20 CHF |

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| 757 | List of issuer identifier numbers for the international telecommunication charge card (in accordance with ITU-T Recommendation E.118) (Position on 1 February 2002) | 20 CHF |
| 759 | Dialling Procedures (International prefix, national (trunk) prefix and national (significant) number) (In accordance with ITU-T Recommendation E.164 (05/97)) (Position on 1 March 2002) | 20 CHF |
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| 767 | List of signalling area/network codes (SANC) (Position on 1 July 2002) BR: Status of radiocommunications between amateur stations of different countries (In accordance with optional provision No. 25.1 of the Radio Regulations) and form of call signs assigned by each administration to its amateur and experimental stations (Position on 1 July 2002) | 20 CHF |
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| 787 | Dialling procedures (International prefix, national (trunk) prefix and national (significant) number) (In accordance with ITU-T Recommendation E.164 (05/97)) (Position on 1 May 2003) | 20 CHF |
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