

Itu-t recommendations on CD-ROM/Edition June 2001

FILENAME CONVENTIONS

The following file naming conventions are used in the directories of the various ITU-T Recommendations :

	<i>Examples</i>	<i>Filename conventions</i>
Normal	A.1	A0001E
Annexes	G.726 Annex A G.728 Annex G	G0726NAE G0728NGE
Amendments	T.433 Amendment 1 T.30 Amendment 2	T0433M1E T0030M2E
Addenda	Q.1400 Addendum 1 X.28 Addendum 3	Q1400D1E X0028D3E
Appendixes	G.726 Appendix III G.727 Appendix II	G0726P3E G0727P2E
Bis and Ter	V.26 bis V.27 ter V.25 ter Annex A	V0026-BE V0027-TE V025TNAE
Corregendums/ Amendments	X.740 Corrigendum 1 X.213 Corrigendum 2 X.730 Cor 1 - Amd 1	X0740C1E X0213C2E X0730C1M1E
Clauses	Q.2957 Clause 1 Q.86 Clause 2	Q2957_1E Q0086_2E
Letters	R.38 A R.38 B	R0038AE R0038BE
Supplements	Supp. 29 (G) Supp. 21 (P) Q.780 Supp. 1 V.25 ter Supp.	G_S29E P_S21E Q0780S1E V0025TSE
Part	T.101 Part 1 T.101 Part 2 I.254.1 Part A	T0101~1 ^E T0101~2 ^E I0254_1AE
Numbered	I.231.9 I.231.10 I.256.2b	I0231_9E I0231_10E I0256_2bE
Notice/Info	D.176 Notice J.57 Notice	D0176CNE J0057CNE

Note :

- Last character in the filename, "E", represent the language - English
- For Recommendations containing several clauses, the files will be named by the first clause (ex. Q.731 Clauses 3, 4, 5 and 6 will be named Q0731_3).
- Original Recommendations are saved on ITU-T CD 2 directory \ORIGINAL.

In force ITU-T Recommendations

Series A Organization of the work of ITU-T

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

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

ITU-T Rec. A.4 (10/00) Communication process between ITU-T and Forums and Consortia - To be published

ITU-T Rec. A.5 (06/2000) Generic procedures for including references to documents of other organizations
in ITU-T Recommendations

ITU-T Rec. A.6 (10/00) Cooperation and exchange of information between ITU-T and national and regional standards development organizations - To be published

ITU-T Rec. A.7 (06/2000) Focus groups: Working methods and procedures

ITU-T Rec. A.8 (10/00) Alternative approval procedure for new and revised Recommendations - To be published

ITU-T Rec. A.9 (10/00) - Provisional working procedures for the Special Study Group on IMT-2000 and beyond - To be published

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

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

ITU-T Rec. A.13 (10/00) Supplements to ITU-T Recommendations - To be published

ITU-T Rec. A.23 (10/96) Collaboration with the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) on information technology

ITU-T Rec. A.23 Annex A (10/96) Guide to ITU-T and ISO/IEC JTC1 cooperation - Annex A to Recommendation A.23, Annex K to ISO/IEC JTC 1 Directives

.ITU-T Series A Supplement 1(09/98) Guidelines on quality aspects of protocol related Recommendations

ITU-T Rec. Series A Supplement 2 (06/2000) Guidelines on interoperability experiments

Series B Means of expression: definitions, symbols, classification

ITU-T Rec. B.1 (11/88) Letter symbols for telecommunications

ITU-T Rec. B.3 (11/88) Use of the international system of units (SI)

ITU-T Rec. B.10 (11/88) Graphical symbols and rules for the preparation of documentation in telecommunications

ITU-T Rec. B.11 (11/88) Legal time - use of the term UTC

ITU-T Rec. B.12 (11/88) Use of the decibel and the neper in telecommunications

ITU-T Rec. B.13 (11/88) Terms and definitions

ITU-T Rec. B.14 (11/88) Terms and symbols for information quantities in telecommunications

ITU-T Rec. B.17 (11/88) Adoption of the CCITT Specification and description Language (SDL)

ITU-T Rec. B.18 (03/93) Traffic intensity unit

ITU-T Rec. B.19 (10/96) Abbreviations and initials used in telecommunications

Series C General telecommunication statistics

ITU-T Rec. C.2 (10/96) Collection and dissemination of official service information

ITU-T Rec. C.3 (03/93) Instructions for international telecommunication services

Series D General tariff principles

- ITU-T Rec. D.000 (03/93) Terms and definitions for the Series-D Recommendations
- ITU-T Rec. D.1 (07/91) General principles for the lease of international (continental and intercontinental) private telecommunication circuits and networks
- ITU-T Rec. D.3 (06/92) Principles for the lease of analogue international circuits for private service
- ITU-T Rec. D.4 (12/98) Special conditions for the lease of international (continental and intercontinental) sound- and television-programme circuits for private service
- ITU-T Rec. D.5 (11/88) Costs and value of services rendered as factors in the fixing of rates
- ITU-T Rec. D.7 (01/92) Concept and implementation of "one-stop shopping" for international private leased telecommunication circuits
- ITU-T Rec. D.8 (11/88) Special conditions for the lease of international end-to-end digital circuits for private service
- ITU-T Rec. D.9 (11/88) Private leasing of transmitters or receivers
- ITU-T Rec. D.10 (07/91) General tariff principles for international public data communication services
- ITU-T Rec. D.11 (03/91) Special tariff principles for international packet-switched public data communication services by means of the virtual call facility
- ITU-T Rec. D.12 (11/88) Measurement unit for charging by volume in the international packet-switched data communication service
- ITU-T Rec. D.13 (11/88) Guiding principles to govern the apportionment of accounting rates in international packet-switched public data communication relations
- ITU-T Rec. D.15 (11/88) General charging and accounting principles for non-voice services provided by interworking between public data networks
- ITU-T Rec. D.20 (11/88) Special tariff principles for the international circuit-switched public data communication services
- ITU-T Rec. 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
- ITU-T Rec. D.30 (11/88) Implementation of reverse charging on international public data communication services
- ITU-T Rec. D.35 (01/92) General charging principles in the international public message handling services and associated applications
- ITU-T Rec. D.36 (03/95) General accounting principles applicable to message handling services and associated applications
- ITU-T Rec. D.37 (07/96) Accounting and settlement principles applicable to the provision of public directory services between interconnected Directory Management Domains
- ITU-T Rec. D.40 (06/92) General tariff principles applicable to telegrams exchanged in the international public telegram service
- ITU-T Rec. D.41 (11/88) Introduction of accounting rates by zones in the international public telegram service
- ITU-T Rec. D.42 (11/88) Accounting in the international public telegram service
- ITU-T Rec. D.43 (11/88) Partial and total refund of charges in the international public telegram service
- ITU-T Rec. D.45 (06/92) Charging and accounting principles for the international telemesssage service
- ITU-T Rec. D.50 (10/00) - International Internet Connection - To be published
- ITU-T Rec. D.60 (07/91) Guiding principles to govern the apportionment of accounting rates in intercontinental telex relations
- ITU-T Rec. D.61 (11/88) Charging and accounting provisions relating to the measurement of the chargeable duration of a telex call
- ITU-T Rec. D.65 (11/88) General charging and accounting principles in the international telex service for multi-address messages via store-and-forward units
- ITU-T Rec. D.67 (03/95) Charging and accounting in the international telex service
- ITU-T Rec. D.70 (06/92) General tariff principles for the international public facsimile service between public bureaux (bureaufax service)

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

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

ITU-T Rec. D.79 (07/91) Charging and accounting principles in the international videotex service

ITU-T Rec. D.80 (11/88) Accounting and refunds for phototelegrams

ITU-T Rec. D.81 (11/88) Accounting and refunds for private phototelegraph calls

ITU-T Rec. D.83 (11/88) Rates for phototelegrams and private phototelegraph calls

ITU-T Rec. D.85 (11/88) Charging for international phototelegraph calls to multiple destinations

ITU-T Rec. D.90 (03/95) Charging, billing, international accounting and settlement in the maritime mobile service

ITU-T Rec. D.91 (07/96) Transmission in encoded form of maritime telecommunications accounting information

ITU-T Rec. D.93 (03/00) Charging and accounting in the international land mobile telephone service (provided via cellular radio systems) - To be published

ITU-T Rec. D.94 (01/92) Charging, billing and accounting principles for international aeronautical mobile service, and international aeronautical mobile-satellite service

ITU-T Rec. D.95 (10/92) Charging, billing, accounting and refunds in the data messaging land/maritime mobile-satellite service

ITU-T Rec. D.96 (12/99) Charging, billing, accounting and settlement principles for Global Mobile Personal Communications by Satellite (GMPCS) for the international telephone service

ITU-T Rec. D.100 (11/88) Charging for international calls in manual or semi-automatic operating

ITU-T Rec. D.103 (06/92) Charging in automatic service for calls terminating on a recorded announcement stating the reason for the call not being completed

ITU-T Rec. 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

ITU-T Rec. D.105 (11/88) Charging for calls from or to a public call office

ITU-T Rec. D.106 (11/88) Introduction of reduced rates during periods of light traffic in the international telephone service

ITU-T Rec. D.110 (06/92) Charging and accounting for conference calls

ITU-T Rec. D.115 (10/96) Tariff principles and accounting for the International Freephone Service (IFS)

ITU-T Rec. D.116 (10/96) Charging and accounting principles relating to the home country direct telephone service

ITU-T Rec. D.117 (06/99) Charging and accounting principles for the international premium rate service (IPRS)

ITU-T Rec. D.120 (07/96) Charging and accounting principles for the international telecommunication charge card service

ITU-T Rec. D.140 (10/00) Accounting rate principles for international telephone services - To be published

ITU-T Rec. D.150 (06/99) New system for accounting in international telephony

ITU-T Rec. D.151 (11/88) Old system for accounting in international telephony

ITU-T Rec. D.155 (07/96) Guiding principles governing the apportionment of accounting rates in intercontinental telephone relations

ITU-T Rec. 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

ITU-T Rec. D.170 (06/98) Monthly telephone and telex accounts

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

ITU-T Rec. D.172 (11/88) Accounting for calls circulated over international routes for which

accounting
rates have not been established
ITU-T Rec. D.173 (11/88) Defaulting subscribers
ITU-T Rec. D.174 (11/88) Conventional transmission of information necessary for billing and accounting
regarding collect and credit card calls
.ITU-T Rec. D.176 Covering Note (12/97) Transmission in encoded form of telephone reversed charge billing and accounting information
ITU-T Rec. D.176 (12/97) Transmission in encoded form of telephone reversed charge billing and accounting information
ITU-T Rec. D.177 (11/88) Adjustment of charges and refunds in the international telex service
ITU-T Rec. D.178 (03/93) Monthly accounts for semi-automatic telephone calls (ordinary and urgent calls,
with or without special facilities)
ITU-T Rec. D.180 (12/99) Occasional provision of circuits for international sound- and television-programme transmissions
ITU-T Rec. D.185 (11/88) General tariff and accounting principles for international one-way point-to-multipoint satellite services
ITU-T Rec. D.186 (10/96) General tariff and accounting principles for international two-way multipoint telecommunication service via satellite
ITU-T Rec. D.188 (10/92) General charging and accounting principles applicable to an international videoconferencing service
ITU-T Rec. D.190 (09/95) Exchange of international traffic accounting data between Administrations using electronic data interchange (EDI) techniques
ITU-T Rec. D.192 (06/92) Principles for charging and accounting of service telecommunications
ITU-T Rec. D.193 (11/88) Special tariff principles for privilege telecommunications
ITU-T Rec. D.196 (06/92) Clearing of international telecommunication balances of accounts
ITU-T Rec. D.197 (07/91) Notification of change of address(es) for accounting and settlement purposes
.ITU-T Rec. D.201 (04/2000) General principles regarding call-back practices
ITU-T Rec. D.210 (09/94) General charging and accounting principles for international telecommunication services provided over the Integrated Services Digital Network (ISDN)
ITU-T Rec. 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
ITU-T Rec. D.212 (10/96) Charging and accounting principles for the use of Signalling System No. 7
ITU-T Rec. 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)
ITU-T Rec. D.224 (12/99) Charging and accounting principles for ATM/B-ISDN
ITU-T Rec. D.225 (12/97) Charging and accounting principles to be applied to frame relay data transmission service
ITU-T Rec. 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)
ITU-T Rec. D.231 (11/88) Charging and accounting principles relating to the user-to-user information (UUI) supplementary service
ITU-T Rec. D.232 (05/97) Specific tariff and accounting principles applicable to ISDN supplementary services
ITU-T Rec. D.233 (07/96) Charging and accounting principles to be applied to the reversed charge supplementary service
ITU-T Rec. D.240 (03/91) Charging and accounting principles for teleservices supported by the ISDN
ITU-T Rec. D.250 (07/91) General charging and accounting principles for non-voice services provided by interworking between the ISDN and existing public data networks
.ITU-T Rec. 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

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

ITU-T Rec. D.280 (03/95) Principles for charging and billing, accounting and reimbursements for universal

personal telecommunication

ITU-T Rec. D.285 (07/96) Guiding principles for charging and accounting for intelligent network supported

services

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

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

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

ITU-T Rec. D.302 R (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

ITU-T Rec. D.303 R (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

ITU-T Rec. D.306 R (07/91) Remuneration of public packet-switched data transmission networks between

the countries of Europe and the Mediterranean Basin

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

.ITU-T Rec. D.310 R (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

ITU-T Rec. D.400R (12/99) Accounting rates applicable to direct traffic relations in voice telephony between

countries in Latin America and the Caribbean

ITU-T Rec. D.500 R (06/98) Accounting rates applicable to telephone relations between countries in Asia

and Oceania

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

Oceania

ITU-T Rec. D.600 R (10/00) - Cost methodology for the TAF Group applicable to the international automatic telephone service - To be published

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

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

ITU-T Series D Supplement 3 (03/93) Handbook on the methodology for determining costs and establishing

national tariffs

Series E Overall network operation, telephone service, service operation and human factors

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

ITU-T Rec. E.104 (02/95) International telephone directory assistance service and public access

ITU-T Rec. E.105 (08/92) International telephone service

ITU-T Rec. E.106 (03/2000) Description of an international emergency preference scheme (IEPS)

ITU-T Rec. E.109 (02/95) International billed number screening procedures for collect and third-party calling

ITU-T Rec. E.110 (11/88) Organization of the international telephone network

ITU-T Rec. E.111 (11/88) Extension of international telephone services

ITU-T Rec. E.112 (11/88) Arrangements to be made for controlling the telephone services between two

countries

ITU-T Rec. E.113 (05/97) Validation procedures for the international telecommunications charge card service

ITU-T Rec. E.114 (11/88) Supply of lists of subscribers (directories and other means)

ITU-T Rec. E.115 (02/95) Computerized directory assistance

ITU-T Rec. E.116 (05/97) International telecommunication charge card service

ITU-T Rec. E.117 (06/94) Terminal devices used in connection with the public telephone service (other than telephones)

ITU-T Rec. E.118 (02/01) - The international telecommunication charge card - To be published

ITU-T Rec. E.120 (11/88) Instructions for users of the international telephone service

ITU-T Rec. E.121 (07/96) Pictograms, symbols and icons to assist users of the telephone service

ITU-T Rec. E.122 (11/88) Measures to reduce customer difficulties in the international telephone service

ITU-T Rec. E.123 (02/01) - Notation for national and international telephone numbers, e-mail addresses

and Web addresses - To be published

ITU-T Rec. E.124 (11/88) Discouragement of frivolous international calling to unassigned or vacant numbers

answered by recorded announcements without charge

ITU-T Rec. E.125 (10/84) Inquiries among users of the international telephone service

ITU-T Rec. E.126 (11/88) Harmonization of the general information pages of the telephone directories published by administrations

ITU-T Rec. E.127 (11/88) Pages in the telephone directory intended for foreign visitors

ITU-T Rec. E.128 (11/88) Leaflet to be distributed to foreign visitors

ITU-T Rec. E.130 (11/88) Choice of the most useful and desirable supplementary telephone services

ITU-T Rec. E.131 (11/88) Subscriber control procedures for supplementary telephone services

ITU-T Rec. E.132 (11/88) Standardization of elements of control procedures for supplementary telephone services

ITU-T Rec. E.133 (11/88) Operating procedures for cardphones

ITU-T Rec. E.134 (03/93) Human factors aspects of public terminals: generic operating procedures

ITU-T Rec. E.135 (10/95) Human factors aspects of public telecommunication terminals for people with

disabilities

ITU-T Rec. E.136 (05/97) Specification of a tactile identifier for use with telecommunication cards

ITU-T Rec. E.137 (05/97) User instructions for payphones

ITU-T Rec. E.140 (08/92) Operator-assisted telephone service

ITU-T Rec. E.141 (03/93) Instructions for the international telephone service

ITU-T Rec. E.148 (11/88) Routing of traffic by automatic transit exchanges

ITU-T Rec. E.149 (11/88) Presentation of routing data

ITU-T Rec. E.151 (08/92) Telephone conference calls

ITU-T Rec. E.152 (02/01) - International freephone service - To be published

ITU-T Rec. E.153 (10/96) Home country direct

ITU-T Rec. E.154 (03/98) International shared cost service

ITU-T Rec. E.155 (02/01) - International Premium Rate Service - To be published

ITU-T Rec. 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 - To be published

ITU-T Rec. E.162 (04/95) Capability for seven digit analysis of international E.164 numbers at Time T

ITU-T Rec. E.164 (05/97) The international public telecommunication numbering plan

ITU-T Rec. E.164 Supplement 1 (03/98) Alternatives for carrier selection and network identification

ITU-T Rec. E.164 Supplement 2 (11/98) The international public telecommunication numbering plan - Supplement 2: Number Portability

ITU-T Rec. E.164.1 (03/98) Criteria and procedures for the reservation, assignment, and reclamation of E.164 country codes and associated Identification Codes (ICs)

ITU-T Recommendation E.164.2 (02/01) - E.164 numbering resources for trials - To be published

ITU-T Rec. E.165 (11/88) Timetable for coordinated implementation of the full capability of the numbering

plan for the ISDN era (Recommendation E.164)

ITU-T Rec. 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

ITU-T Rec. E.166/X.122 (03/98) Numbering plan interworking for the E.164 and X.121 numbering plans

ITU-T Rec. E.167 (11/88) ISDN network identification codes
ITU-T Rec. E.168 (05/99) Application of E.164 numbering plan for UPT
ITU-T Rec. E.169 (11/98) Application of Recommendation E.164 numbering plan for universal international freephone numbers for international freephone service
ITU-T Rec. E.169.2 (10/2000) Application of Recommendation E.164 numbering plan for universal international premium rate numbers for the international premium rate service
ITU-T Rec. E.169.3 (09/2000) Application of Recommendation E.164 numbering plan for universal international shared cost numbers for the international shared cost service
ITU-T Rec. E.170 (10/92) Traffic routing
ITU-T Rec. E.171 (11/88) International telephone routing plan
.ITU-T Rec. E.172 (10/92) ISDN routing plan
ITU-T Rec. E.173 (08/91) Routing plan for interconnection between public land mobile networks and fixed terminal networks
ITU-T Rec. E.174 (04/95) Routing principles and guidance for Universal Personal Telecommunications (UPT)
ITU-T Rec. E.175 (11/88) Models for international network planning
ITU-T Rec. E.177 (10/96) B-ISDN routing
ITU-T Rec. E.180/Q.35 (03/98) Technical characteristics of tones for the telephone service
ITU-T Rec. E.180 Supplement 2 (Series E) (01/94) Various tones used in national networks
ITU-T Rec. E.181 (11/88) Customer recognition of foreign tones
ITU-T Rec. E.182 (03/98) Application of tones and recorded announcements in telephone services
ITU-T Rec. E.183 (03/98) Guiding principles for telephone announcements
ITU-T Rec. E.184 (11/88) Indications to users of ISDN terminals
ITU-T Rec. E.190 (05/97) Principles and responsibilities for the management, assignment and reclamation of E-Series international numbering resources
ITU-T Rec. E.191 Covering Note (03/00) B-ISDN addressing
ITU-T Rec. E.191 (03/00) B-ISDN addressing
.ITU-T Rec. E.191.1 (02/01) - Criteria and procedures for the allocation of the ITU-T international network designator addresses - To be published
ITU-T Rec. E.193 (03/2000) E.164 Country Code expansion
ITU-T Rec. E.195 (09/2000) ITU-T International numbering resource administration
ITU-T Rec. E.201 (08/91) Reference recommendation for mobile services
ITU-T Rec. E.202 (10/92) Network operational principles for future public mobile systems and services
ITU-T Rec. E.210 (11/88) Ship station identification for VHF/UHF and maritime mobile-satellite services
ITU-T Rec. E.211 (11/88) Selection procedures for VHF/UHF maritime mobile services
ITU-T Rec. E.212 (11/98) The international identification plan for mobile terminals and mobile users
ITU-T Rec. E.213 (11/88) Telephone and ISDN numbering plan for land mobile stations in public land mobile networks (PLMN)
ITU-T Rec. E.214 (11/88) Structure of the land mobile global title for the signalling connection control part (SCCP)
ITU-T Rec. E.215 (05/97) Telephone/ISDN numbering plan for the mobile-satellite services of Inmarsat
ITU-T Rec. E.220 (02/96) Interconnection of public land mobile networks (PLMN)
ITU-T Rec. E.230 (08/92) Chargeable duration of calls
ITU-T Rec. E.231 (06/92) Charging in automatic service for calls terminating on a recorded announcement stating the reason for the call not being completed
.ITU-T Rec. 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
ITU-T Rec. E.260 (11/88) Basic technical problems concerning the measurement and recording of call durations
ITU-T Rec. E.261 (11/88) Devices for measuring and recording call durations
ITU-T Rec. E.300 (11/88) Special uses of circuits normally employed for automatic telephone traffic
ITU-T Rec. E.301 (03/93) Impact of non-voice applications on the telephone network
ITU-T Rec. E.320 (11/88) Speeding up the establishment and clearing of phototelegraph calls
ITU-T Rec. E.323 (11/88) Rules for phototelegraph communications set up over circuits normally used for

telephone traffic
ITU-T Rec. E.330 (11/88) User control of ISDN-supported services
ITU-T Rec. E.331 (10/91) Minimum user-terminal interface for a human user entering address information into an ISDN terminal
ITU-T Rec. E.333 (11/88) Man-machine interaction
ITU-T Rec. E.350 (03/00) Dynamic Routing Interworking
ITU-T Rec. E.351 (03/2000) Routing of multimedia connections across TDM-, ATM- and IP-based networks
ITU-T Rec. E.352 (03/2000) Routing guidelines for efficient routing methods
ITU-T Rec. E.353 (02/01) - Routing of calls when using international routing addresses - To be published
ITU-T Rec. E.370 (02/01) - Service principles when public circuit-switched international telecommunication networks interwork with IP-based networks - To be published
ITU-T Rec. E.401 (11/88) Statistics for the international telephone service (number of circuits in operation and volume of traffic)
ITU-T Rec. E.410 (03/98) International network management - General information
ITU-T Rec. E.411 (03/2000) International network management - Operational guidance
ITU-T Rec. E.411 Amendment 1 (03/01) International network management - Operational guidance - To be published
ITU-T Rec. E.412 (03/98) Network management controls
ITU-T Rec. E.412 Amendment 1 (03/01) Network management controls - To be published
ITU-T Rec. E.413 (11/88) International network management - Planning
ITU-T Rec. E.414 (11/88) International network management - Organization
ITU-T Rec. E.415 (08/91) International network management guidance for common channel signalling system No. 7
ITU-T Rec. E.416 (03/2000) Network management principles and functions for B-ISDN traffic
ITU-T Rec. E.417 (02/01) - Framework for the network management of IP-based networks - To be published
ITU-T Rec. E.420 (11/88) Checking the quality of the international telephone service - General considerations
ITU-T Rec. E.421 (11/88) Service quality observations on a statistical basis
ITU-T Rec. E.422 (02/96) Observations on international outgoing telephone calls for quality of service
ITU-T Rec. E.423 (11/88) Observations on traffic set up by operators
ITU-T Rec. E.424 (10/92) Test calls
ITU-T Rec. E.425 (11/98) Internal automatic observations
ITU-T Rec. E.426 (10/92) General guide to the percentage of effective attempts which should be observed for international telephone calls
ITU-T Rec. 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
ITU-T Rec. E.428 (10/92) Connection retention
ITU-T Rec. E.430 (06/92) Quality of service framework
ITU-T Rec. E.431 (06/92) Service quality assessment for connection set-up and release delays
ITU-T Rec. E.432 (06/92) Connection quality
ITU-T Rec. E.433 (06/92) Billing integrity
ITU-T Rec. E.434 (06/92) Subscriber-to-subscriber measurement of public switched telephone network
ITU-T Rec. E.436 (03/98) Customer Affecting Incidents and blocking Defects Per Million
ITU-T Rec. E.437 (05/99) Comparative metrics for network performance management
ITU-T Rec. E.438 (03/2000) Performance parameters and measurement methods to assess N-ISDN 64 kbit/s circuit-switched bearer service UDI in operation
ITU-T Rec. E.439 (03/2000) Test call measurement to assess N-ISDN 64 kbit/s circuit-switched bearer service UDI in operation
ITU-T Rec. E.440 (02/96) Customer satisfaction point
ITU-T Rec. E.450 (03/98) Facsimile quality of service on public networks - General aspects
ITU-T Rec. E.451 (02/01) - Facsimile call cut-off performance - To be published
ITU-T Rec. E.452 (03/93) Facsimile modem speed reductions and transaction time

ITU-T Rec. E.453 (08/94) Facsimile image quality as corrupted by transmission-induced scan line errors

ITU-T Rec. E.454 (10/96) Transmission performance metrics based on Error Correction Mode (ECM) facsimile

ITU-T Rec. E.456 (03/98) Test transaction for facsimile transmission performance

ITU-T Rec. E.457 (02/96) Facsimile measurement methodologies

ITU-T Rec. E.458 (02/96) Figure of merit for facsimile transmission performance

ITU-T Rec. E.459 (03/98) Measurements and metrics for characterizing facsimile transmission performance using non-intrusive techniques

ITU-T Rec. E.460 (03/2000) Measurements and metrics for monitoring the performance of V.34 Group 3 facsimile

ITU-T Rec. E.490 (06/92) Traffic measurement and evaluation - General survey

ITU-T Rec. E.491 (05/97) Traffic measurement by destination

ITU-T Rec. E.492 (02/96) Traffic reference period

ITU-T Rec. E.493 (02/96) Grade of service (GOS) monitoring

ITU-T Rec. E.500 (11/98) Traffic intensity measurement principles

ITU-T Rec. E.501 (05/97) Estimation of traffic offered in the network

ITU-T Rec. E.502 (02/01) - Traffic measurement requirements for digital telecommunication exchanges - To be published

ITU-T Rec. E.503 (06/92) Traffic measurement data analysis

ITU-T Rec. E.504 (11/88) Traffic measurement administration

ITU-T Rec. E.505 (06/92) Measurements of the performance of common channel signalling network

ITU-T Rec. E.506 (06/92) Forecasting international traffic

ITU-T Rec. E.507 (11/88) Models for forecasting international traffic

ITU-T Rec. E.508 (10/92) Forecasting new telecommunication services

ITU-T Rec. E.510 (11/88) Determination of the number of circuits in manual operation

ITU-T Rec. E.520 (11/88) Number of circuits to be provided in automatic and/or semiautomatic operation, without overflow facilities

ITU-T Rec. E.521 (11/88) Calculation of the number of circuits in a group carrying overflow traffic

ITU-T Rec. E.522 (11/88) Number of circuits in a high-usage group

ITU-T Rec. E.523 (11/88) Standard traffic profiles for international traffic streams

ITU-T Rec. E.524 (05/99) Overflow approximations for non-random inputs

ITU-T Rec. E.525 (06/92) Designing networks to control grade of service

ITU-T Rec. E.526 (03/93) Dimensioning a circuit group with multi-slot bearer services and no overflow inputs

ITU-T Rec. E.527 (03/2000) Dimensioning at a circuit group with multi-slot bearer services and overflow traffic

ITU-T Rec. E.528 (02/96) Dimensioning of digital circuit multiplication equipment (DCME) systems

ITU-T Rec. E.529 (05/97) Network dimensioning using end-to-end GOS objectives

ITU-T Rec. E.540 (11/88) Overall grade of service of the international part of an international connection

ITU-T Rec. E.541 (11/88) Overall grade of service for international connections (subscriber-to-subscriber)

ITU-T Rec. E.543 (11/88) Grades of service in digital international telephone exchanges

ITU-T Rec. E.550 (03/93) Grade-of-service and new performance criteria under failure conditions in international telephone exchanges

ITU-T Rec. E.600 (03/93) Terms and definitions of traffic engineering

ITU-T Rec. E.651 (03/2000) Reference connections for traffic engineering of IP access networks

ITU-T Rec. E.671 (03/2000) Post-selection delay in PSTN/ISDN networks using Internet telephony for a portion of the connection

ITU-T Rec. E.700 (10/92) Framework of the E.700-Series Recommendations

ITU-T Rec. E.701 (10/92) Reference connections for traffic engineering

ITU-T Rec. E.711 (10/92) User demand modelling

ITU-T Rec. E.712 (10/92) User plane traffic modelling

ITU-T Rec. E.713 (10/92) Control plane traffic modelling

ITU-T Rec. E.716 (10/96) User demand modelling in Broadband-ISDN

ITU-T Rec. E.720 (11/88) ISDN grade of service concept
ITU-T Rec. E.721 (05/99) Network grade of service parameters and target values for circuit-switched services
in the evolving ISDN
ITU-T Rec. E.723 (06/92) Grade-of-service parameters for Signalling System No. 7 networks
ITU-T Rec. E.724 (02/96) GOS parameters and target GOS objectives for IN services
ITU-T Rec. E.726 (03/2000) Network grade of service parameters and target values for B-ISDN
ITU-T Rec. E.728 (03/98) Grade-of-service parameters for B-ISDN signalling
ITU-T Rec. E.731 (10/92) Methods for dimensioning resources operating in circuit switched mode
ITU-T Rec. E.733 (11/98) Methods for dimensioning resources in Signalling System No. 7 networks
.ITU-T Rec. E.734 (10/96) Methods for allocating and dimensioning Intelligent Network (IN) resources
ITU-T Rec. E.735 (05/97) Framework for traffic control and dimensioning in B-ISDN
ITU-T Rec. E.736 (03/2000) Methods for cell level traffic control in B-ISDN
ITU-T Rec. E.737 (02/01) - Dimensioning methods for B-ISDN - To be published
ITU-T Rec. E.743 (04/95) Traffic measurements for SS No. 7 dimensioning and planning
ITU-T Rec. E.744 (10/96) Traffic and congestion control requirements for SS No. 7 and IN-structured networks
ITU-T Rec. E.745 (03/2000) Cell level measurement requirements for the B-ISDN
ITU-T Rec. E.750 (03/2000) Introduction to the E.750 series of Recommendations on traffic engineering
aspects of networks supporting personal communications services
ITU-T Rec. E.751 (02/96) Reference connections for traffic engineering of land mobile networks
ITU-T Rec. E.752 (10/96) Reference connections for traffic engineering of maritime and aeronautical systems
ITU-T Rec. E.755 (02/96) Reference connections for UPT traffic performance and GOS
ITU-T Rec. E.760 (03/2000) Terminal mobility traffic modelling
ITU-T Rec. E.770 (03/93) Land mobile and fixed network interconnection traffic grade of service concept
ITU-T Rec. E.771 (10/96) Network grade of service parameters and target values for circuit-switched public land mobile services
.ITU-T Rec. E.773 (10/96) Maritime and aeronautical mobile grade of service concept
ITU-T Rec. E.774 (10/96) Network grade of service parameters and target values for maritime and aeronautical mobile services
ITU-T Rec. E.775 (02/96) UPT grade of service concept
ITU-T Rec. E.776 (10/96) Network grade of service parameters for UPT
ITU-T Rec. E.800 (08/94) Terms and definitions related to quality of service and network performance including dependability
ITU-T Rec. E.801 (10/96) Framework for service quality agreement
ITU-T Rec. E.810 (10/92) Framework of the Recommendations on the serveability performance and service integrity for telecommunication services
ITU-T Rec. E.820 (10/92) Call models for serveability and service integrity performance
ITU-T Rec. E.830 (10/92) Models for the specification, evaluation and allocation of serveability and service integrity
ITU-T Rec. E.845 (11/88) Connection accessibility objective for the international telephone service
ITU-T Rec. E.846 (03/93) Accessibility for 64 kbit/s circuit switched international end-to-end ISDN connection types
ITU-T Rec. E.850 (10/92) Connection retainability objective for the international telephone service
ITU-T Rec. E.855 (11/88) Connection integrity objective for the international telephone service
ITU-T Rec. E.862 (06/92) Dependability planning of telecommunication networks
.ITU-T Rec. E.880 (11/88) Field data collection and evaluation on the performance of equipment, networks and services

Series F Non-telephone telecommunication services

ITU-T Rec. F.1 (03/98) Operational provisions for the international public telegram service
ITU-T Rec. F.2 (11/88) Operational provisions for the collection of telegram charges
ITU-T Rec. F.4 (11/88) Plain and secret language
ITU-T Rec. F.10 (11/88) Character error rate objective for telegraph communication using 5-unit start-stop equipment
ITU-T Rec. F.11 (10/91) Continued availability of traditional services
ITU-T Rec. F.12 (03/93) Major degradation or disruption of service
ITU-T Rec. F.14 (08/92) General provisions for one-stop-shopping arrangements
ITU-T Rec. F.15 (08/92) Evaluating the success of new services
ITU-T Rec. F.16 (02/95) Global virtual network service
ITU-T Rec. F.17 (08/92) Operational aspects of service telecommunications
ITU-T Rec. F.18 (03/98) Guidelines on harmonization of international public bureau services
ITU-T Rec. F.20 (11/88) The international gentex service
ITU-T Rec. F.21 (11/88) Composition of answer-back codes for the international gentex service
ITU-T Rec. F.23 (11/88) Grade of service for long-distance international gentex circuits
ITU-T Rec. F.24 (11/88) Average grade of service from country to country in the gentex service
ITU-T Rec. F.30 (03/93) Use of various sequences of combinations for special purposes
ITU-T Rec. F.31 (11/88) Telegram retransmission system
ITU-T Rec. F.32 (10/95) Telegram destination indicators
ITU-T Rec. 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
ITU-T Rec. F.40 (03/91) International public telemesssage service
ITU-T Rec. F.41 (03/91) Interworking between the telemesssage service and the international public telegram service
ITU-T Rec. F.59 (10/96) General characteristics of the international telex service
ITU-T Rec. F.60 (08/92) Operational provisions for the international telex service
ITU-T Rec. F.61 (11/88) Operational provisions relating to the chargeable duration of a telex call
ITU-T Rec. F.63 (03/93) Additional facilities in the international telex service
ITU-T Rec. F.64 (11/88) Determination of the number of international telex circuits required to carry a given volume of traffic
ITU-T Rec. F.65 (11/88) Time-to-answer by operators at international telex positions
ITU-T Rec. F.68 (11/88) Establishment of the automatic intercontinental telex network
ITU-T Rec. F.69 (06/94) The international telex service - Service and operational provisions of telex destination codes and telex network identification codes
ITU-T Rec. F.70 (11/88) Evaluating the quality of the international telex service
ITU-T Rec. F.71 (11/88) Interconnection of private teleprinter networks with the telex network
ITU-T Rec. F.72 (10/96) The international telex service - General principles and operational aspects of a store and forward facility
ITU-T Rec. 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
ITU-T Rec. F.74 (08/92) Intermediate storage devices accessed from the international telex service using single stage selection - Answerback format
ITU-T Rec. F.80 (10/91) Basic requirements for interworking relations between the international telex service and other services
ITU-T Rec. F.82 (10/91) Operational provisions to permit interworking between the international telex service and the intex service
ITU-T Rec. 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
ITU-T Rec. F.85 (11/88) Intercommunication between the IPM service and the telex service
ITU-T Rec. F.86 (10/91) Interworking between the international telex service and the videotex service
ITU-T Rec. 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
ITU-T Rec. F.89 (08/92) Status enquiry function in the international telex service
ITU-T Rec. F.100 (11/88) Scheduled radiocommunication service
ITU-T Rec. F.104 (10/91) International leased circuit services - Customer circuit designations

ITU-T Rec. F.105 (11/88) Operational provisions for phototelegrams
ITU-T Rec. F.106 (11/88) Operational provisions for private phototelegraph calls
ITU-T Rec. F.107 (11/88) Rules for phototelegraph calls established over circuits normally used for telephone traffic
ITU-T Rec. F.108 (11/88) Operating rules for international phototelegraph calls to multiple destinations
ITU-T Rec. F.110 (07/96) Operational provisions for the maritime mobile service
ITU-T Rec. F.111 (03/91) Principles of service for mobile systems
ITU-T Rec. F.112 (11/88) Quality objectives for 50-baud start-stop telegraph transmission in the maritime mobile-satellite service
ITU-T Rec. F.113 (08/92) Service provisions for aeronautical passenger communications supported by mobile-satellite systems
ITU-T Rec. F.115 (02/95) Service objectives and principles for future public land mobile telecommunication systems
ITU-T Rec. F.116 (03/00) Service features and operational provisions in IMT-2000
ITU-T Rec. F.120 (11/88) Ship station identification for VHF/UHF and maritime mobile-satellite services
ITU-T Rec. F.122 (11/88) Operational procedures for the maritime satellite data transmission service
ITU-T Rec. F.125 (08/93) Numbering plan for access to the mobile-satellite services of INMARSAT from the international telex service
ITU-T Rec. F.127 (10/96) Operational procedures for interworking between the international telex service and the service offered by the INMARSAT-C system
ITU-T Rec. F.130 (11/88) Maritime answer-back codes
ITU-T Rec. F.131 (11/88) Radiotelex service codes
ITU-T Rec. F.140 (03/93) Point-to-multipoint telecommunication service via satellite
ITU-T Rec. F.141 (06/94) International two-way multipoint telecommunication service via satellite
ITU-T Rec. F.150 (10/91) Service and operational provision for the intex service
ITU-T Rec. F.162 (07/96) Service and operational requirements of store-and-forward facsimile service
ITU-T Rec. F.163 (07/96) Operational requirements of the interconnection of facsimile store-and-forward units
ITU-T Rec. F.170 (03/98) Operational provisions for the international public facsimile service between public bureaux (Bureaufax)
ITU-T Rec. F.171 (11/88) Operational provisions relating to the use of store-and-forward switching nodes within the bureaufax service
ITU-T Rec. F.182 bis (10/96) Guidelines for the support of the communication of documents using Group 3 facsimile between user terminals via public networks
ITU-T Rec. F.185 (06/98) Internet facsimile: Guidelines for the support of the communication of facsimile documents
ITU-T Rec. F.190 (08/92) Operational provisions for the international facsimile service between public bureaux and subscriber stations and vice versa (bureaufax-telefax and vice versa)
ITU-T Rec. F.300 (03/93) Videotex service
ITU-T Rec. F.301 (10/95) Fast speed PSTN videotex
ITU-T Rec. F.350 (11/88) Application of Series T Recommendations
ITU-T Rec. F.351 (11/88) General principles on the presentation of terminal identification to users of the telematic services
ITU-T Rec. F.353 (11/88) Provision of telematic and data transmission services on integrated services digital network (ISDN)
ITU-T Rec. F.400/X.400 (06/99) Message handling services: Message handling system and service overview - To be published
ITU-T Rec. F.401 (08/92) Naming and addressing for public message handling services
ITU-T Rec. F.410 (08/92) Message handling services: The public message transfer service
ITU-T Rec. F.415 (11/88) Message handling services: Intercommunication with public physical delivery

services

ITU-T Rec. F.420 (08/92) The public interpersonal messaging service

ITU-T Rec. F.421 Covering note (11/88) Intercommunication between the IPM service and the telex service

ITU-T Rec. F.421 (11/88) Intercommunication between the IPM service and the telex service

ITU-T Rec. F.423 (08/92) Intercommunication between the interpersonal messaging service and the telefax service

ITU-T Rec. F.435 (06/99) Electronic data interchange messaging service

ITU-T Rec. F.440 (08/92) The voice messaging service

ITU-T Rec. F.471 Corrigendum 1 (09/98) Operational requirements for the interconnection of voice-mail

store-and-forward units

ITU-T Rec. F.471 (08/97) Operational requirements for the interconnection of voice-mail store-and-forward

units

ITU-T Rec. F.472 (08/97) Service and operational requirements of the voice-mail store-and-forward service

ITU-T Rec. F.500 (08/92) International public directory services

ITU-T Rec. F.510 (12/97) Automated directory assistance - White pages service definition

ITU-T Rec. F.581 (03/93) Guidelines for programming communication interfaces (PCIs) definition: service

Recommendation

ITU-T Rec. F.600 (09/98) Service and operational principles for public data transmission service

ITU-T Rec. F.700 (11/2000) Framework Recommendation for multimedia services

ITU-T Rec. F.701 (11/2000) Guideline Recommendation for identifying multimedia service requirements

ITU-T Rec. F.702 (07/96) Multimedia conference services

ITU-T Rec. F.703 (11/2000) Multimedia conversational services

ITU-T Rec. F.720 (08/92) Videotelephony services - General

ITU-T Rec. F.721 (08/92) Videotelephony teleservice for ISDN

ITU-T Rec. F.723 (07/96) Videophone service in the Public Switched Telephone Network (PSTN)

ITU-T Rec. F.731 (07/97) Multimedia conference services in the ISDN

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

ITU-T Rec. F.740 (08/93) Audiovisual interactive services

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

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

ITU-T Rec. F.812 (08/92) Broadband connectionless data bearer service

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

ITU-T Rec. F.850 (03/93) Principles of Universal Personal Telecommunication (UPT)

ITU-T Rec. F.851 (02/95) Universal Personal Telecommunication (UPT) - Service description (service set 1)

ITU-T Rec. F.852 (03/2000) Universal personal telecommunication (UPT) - Service description (service set 2)

ITU-T Rec. F.853 (11/98) Supplementary services in the Universal Personal Telecommunication (UPT)

environment

ITU-T Rec. F.901 (03/93) Usability evaluation of telecommunication services

ITU-T Rec. F.902 (02/95) Interactive services design guidelines

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

Series G Transmission systems and media,digital systems and networks

ITU-T Rec. G.100 (02/01) Definitions used in Recommendations on general characteristics of international

telephone connections and circuits - To be published

ITU-T Rec. G.101 (08/96) The transmission plan

ITU-T Rec. G.101 Appendix 1 (05/00) A computational model for guidance in transmission planning -

To
be published

ITU-T Rec. G.102 (11/88) Transmission performance objectives and Recommendations

ITU-T Rec. G.103 (12/98) Hypothetical reference connections

ITU-T Rec. G.105 (11/88) Hypothetical reference connection for crosstalk studies

ITU-T Rec. G.107 (05/2000) The E-model, a computational model for use in transmission planning

ITU-T Rec. G.108 Covering Note (09/99) Application of the E-model: A planning guide

UIT-T Rec. G.108 (09/99) Application of the E-model: A planning guide

ITU-T Rec. G.108.1 (05/2000) Guidance for assessing conversational speech transmission quality effects not covered by the E-model

ITU-T Rec. G.109 (09/99) Definition of categories of speech transmission quality

ITU-T Rec. G.111 (03/93) Loudness ratings (LRs) in an international connection

ITU-T Rec. G.113 (02/01) Transmission impairments due to speech processing - To be published

ITU-T Rec. G.114 (05/2000) One-way transmission time

.ITU-T Rec. G.115 (02/96) Mean active speech level for announcements and speech synthesis systems

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

ITU-T Rec. G.117 (02/96) Transmission aspects of unbalance about earth

ITU-T Rec. G.120 (12/98) Transmission characteristics of national networks

ITU-T Rec. G.121 (03/93) Loudness ratings (LRs) of national systems

ITU-T Rec. G.122 (03/93) Influence of national systems on stability talker echo in international connections

ITU-T Rec. G.126 (03/93) Listener echo in telephone networks

ITU-T Rec. G.131 (08/96) Control of talker echo

ITU-T Rec. G.131 Appendix II (09/99) Control of talker echo - Appendix II: Relation between echo disturbances under single talk and double talk conditions (evaluated for one-way transmission time of 100 ms)

ITU-T Rec. G.136 Covering Note (09/99) Application rules for Automatic Level Control Devices

ITU-T Rec. G.136 (09/99) Application rules for automatic level control devices

ITU-T Rec. G.142 (12/98) Transmission characteristics of exchanges

ITU-T Rec. G.164 (11/88) Echo suppressors

ITU-T Rec. G.165 (03/93) Echo cancellers

.ITU-T Rec. G.167 (03/93) Acoustic echo controllers

ITU T Rec. G.168 (04/00) Digital network echo cancellers - To be published

ITU-T Rec. G.169 (06/99) Automatic level control devices

ITU-T Rec. G.172 (11/88) Transmission plan aspects of international conference calls

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

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

ITU-T Rec. G.175 (05/2000) Transmission planning for private/public network interconnection of voice traffic

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

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

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

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

ITU-T Rec. G.191 (11/00) Software tools for speech and audio coding standardization - To be published

ITU-T Rec. G.191 Annex A - List of software tools available - To be published

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

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

ITU-T Rec. G.212 (11/88) Hypothetical reference circuits for analogue systems

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

ITU-T Rec. G.214 (11/88) Line stability of cable systems
ITU-T Rec. G.215 (11/88) Hypothetical reference circuit of 5000 km for analogue systems
ITU-T Rec. G.221 (11/88) Overall recommendations relating to carrier-transmission systems
ITU-T Rec. G.222 (11/88) Noise objectives for design of carrier-transmission systems of 2500 km
ITU-T Rec. G.223 (11/88) Assumptions for the calculation of noise on hypothetical reference circuits for telephony
ITU-T Rec. G.224 (11/88) Maximum permissible value for the absolute power level (power referred to one milliwatt) of a signalling pulse
ITU-T Rec. G.225 (11/88) Recommendations relating to the accuracy of carrier frequencies
ITU-T Rec. G.226 (11/88) Noise on a real link
ITU-T Rec. G.227 (11/88) Conventional telephone signal
ITU-T Rec. G.228 (11/88) Measurement of circuit noise in cable systems using a uniform-spectrum random noise loading
ITU-T Rec. G.229 (11/88) Unwanted modulation and phase jitter
ITU-T Rec. G.230 (11/88) Measuring methods for noise produced by modulating equipment and through-connection filters
ITU-T Rec. G.231 (11/88) Arrangement of carrier equipment
ITU-T Rec. G.232 (11/88) 12-channel terminal equipments
ITU-T Rec. G.233 (11/88) Recommendations concerning translating equipments
ITU-T Rec. G.241 (11/88) Pilots on groups, supergroups, etc.
ITU-T Rec. G.242 (11/88) Through-connection of groups, supergroups, etc.
ITU-T Rec. G.243 (11/88) Protection of pilots and additional measuring frequencies at points where there is a through-connection
ITU-T Rec. G.322 (11/88) General characteristics recommended for systems on symmetric pair cables
ITU-T Rec. G.325 (11/88) General characteristics recommended for systems providing 12 telephone carrier circuits on a symmetric cable pair [(12+12) systems]
ITU-T Rec. G.332 (11/88) 12 MHz systems on standardized 2.6/9.5 mm coaxial cable pairs
ITU-T Rec. G.333 (11/88) 60 MHz systems on standardized 2.6/9.5 mm coaxial cable pairs
ITU-T Rec. G.334 (11/88) 18 MHz systems on standardized 2.6/9.5 mm coaxial cable pairs
ITU-T Rec. G.341 (11/88) 1.3 MHz systems on standardized 1.2/4.4 mm coaxial cable pairs
ITU-T Rec. G.343 (11/88) 4 MHz systems on standardized 1.2/4.4 mm coaxial cable pairs
ITU-T Rec. G.344 (11/88) 6 MHz systems on standardized 1.2/4.4 mm coaxial cable pairs
ITU-T Rec. G.345 (11/88) 12 MHz systems on standardized 1.2/4.4 mm coaxial cable pairs
ITU-T Rec. G.346 (11/88) 18 MHz systems on standardized 1.2/4.4 mm coaxial cable pairs
ITU-T Rec. G.352 (11/88) Interconnection of coaxial carrier systems of different designs
ITU-T Rec. G.411 (11/88) Use of radio-relay systems for international telephone circuits
ITU-T Rec. G.421 (11/88) Methods of interconnection
ITU-T Rec. G.422 (11/88) Interconnection at audio-frequencies
ITU-T Rec. G.423 (11/88) Interconnection at the baseband frequencies of frequency-division multiplex radio-relay systems
ITU-T Rec. G.431 (11/88) Hypothetical reference circuits for frequency-division multiplex radio-relay systems
ITU-T Rec. G.441 (11/88) Permissible circuit noise on frequency-division multiplex radio-relay systems
ITU-T Rec. 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
ITU-T Rec. G.451 (11/88) Use of radio links in international telephone circuits
ITU-T Rec. G.511 (02/98) Test methodology for Group 3 facsimile processing equipment in the Public Switched Telephone Network
ITU-T Rec. G.601 (11/88) Terminology for cables
ITU-T Rec. G.602 (11/88) Reliability and availability of analogue cable transmission systems and associated equipments
ITU-T Rec. G.611 (11/88) Characteristics of symmetric cable pairs for analogue transmission
ITU-T Rec. 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

ITU-T Rec. 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

ITU-T Rec. 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

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

ITU-T Rec. G.622 (11/88) Characteristics of 1.2/4.4 mm coaxial cable pairs

ITU-T Rec. G.623 (11/88) Characteristics of 2.6/9.5 mm coaxial cable pairs

ITU-T Rec. G.631 (11/88) Types of submarine cable to be used for systems with line frequencies of less than about 45 MHz

ITU-T Rec. G.650 (10/00) Definition and test methods for the relevant parameters of single-mode fibres - To be published

ITU-T Rec. G.651 (02/98) Characteristics of a 50/125 μm multimode graded index optical fibre cable

ITU-T Rec. G.652 (10/00) - Characteristics of a single-mode optical fibre cable - To be published

ITU-T Rec. G.653 (10/00) Characteristics of a dispersion-shifted single-mode optical fibre cable - To be published

ITU-T Rec. G.654 (10/00) Characteristics of a cut-off shifted single-mode optical fibre cable - To be published

ITU-T Rec. G.655 (10/00) Characteristics of a non-zero dispersion shifted single-mode optical fibre cable - To be published

ITU-T Rec. G.661 (10/98) Definition and test methods for the relevant generic parameters of optical amplifier devices and subsystems

ITU-T Rec. G.662 (10/98) Generic characteristics of optical fibre amplifier devices and subsystems

ITU-T Rec. G.663 (04/00) Application related aspects of optical amplifier devices and subsystems - To be published

ITU-T Rec. G.664 (06/99) Optical safety procedures and requirements for optical transport systems

ITU-T Rec. G.671 (02/01) - Transmission characteristics of optical components and subsystems - To be published

ITU-T Rec. G.681 (10/96) Functional characteristics of interoffice and long-haul line systems using optical amplifiers, including optical multiplexing

ITU-T Rec. G.691(10/00) Optical interfaces for single channel STM-64, STM-256 systems and other SDH systems with optical amplifiers - To be published

ITU-T Rec. G.692 Covering Note (10/98) Optical interfaces for multichannel systems with optical amplifiers

ITU-T Rec. G.692 (10/98) Optical interfaces for multichannel systems with optical amplifiers

ITU-T Rec. G.701 (03/93) Vocabulary of digital transmission and multiplexing, and pulse code modulation (PCM) terms

ITU-T Rec. G.702 (11/88) Digital hierarchy bit rates

ITU-T Rec. G.703 (10/98) Physical/electrical characteristics of hierarchical digital interfaces

ITU-T Rec. G.704 (10/98) Synchronous frame structures used at 1544, 6312, 2048, 8448 and 44 736 kbit/s hierarchical levels

ITU-T Rec. G.705 (10/00) Characteristics of Plesiochronous Digital Hierarchy (PDH) equipment functional blocks - To be published

ITU-T Rec. G.706 (04/91) Frame alignment and cyclic redundancy check (CRC) procedures relating to basic frame structures defined in Recommendation G.704

ITU-T Rec. G.707 Corrigendum 1 (03/01) - Network node interface for the synchronous digital hierarchy (SDH) - To be published

ITU-T Rec. G.707/Y.1322 (10/00) - Network node interface for the synchronous digital hierarchy (SDH) - To be published

ITU-T Rec. G.708 (06/99) Sub STM-0 network node interface for the synchronous digital hierarchy

(SDH)

ITU-T Rec. G.709 (02/01) - Interface for the optical transport network (OTN) - To be published

ITU-T Rec. G.711 (11/88) Pulse code modulation (PCM) of voice frequencies

ITU-T Rec. G.711 Appendix 1 (09/99) - A high quality low-complexity algorithm for packet loss concealment with G.711

ITU-T Rec. G.711 Appendix II (02/2000) Pulse code modulation (PCM) of voice frequencies - Appendix II: A

comfort noise payload definition for ITU-T G.711 use in packet-based multimedia communication systems

ITU-T Rec. G.712 (11/96) Transmission performance characteristics of pulse code modulation channels

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

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

ITU-T Rec. G.722 Annex A (03/93) Testing signal-to-total distortion ratio for 7 kHz audio-codecs at 64 kbit/s

Recommendation G.722 connected back-to-back

ITU-T Rec. G.722 Appendix 2 (03/87) Description of the digital test sequences for the verification of the G.722 64 kbit/s SB-ADPCM 7 kHz codec

ITU-T Rec. G.722.1 Corrigendum 1 (11/00) Coding at 24 and 32 kbit/s for hands-free operation in systems with low frame loss - To be published

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

ITU-T Rec. G.722.1 Annex A (02/00) Coding at 24 and 32 kbit/s for hands free operation in systems with low frame loss - Annex A: Packet format, capability identifiers and capability parameters

ITU-T Rec. G.722.1 Annex B (11/00) - Floating point implementation for G.722.1 - To be published

ITU-T Rec. G.723.1 (03/96) Dual rate speech coder for multimedia communications transmitting at 5.3 and 6.3 kbit/s

ITU-T Rec. G.723.1 Annex A (11/96) C reference code, test signals and test sequences for the fixed point 5.3 and 6.3 kbit/s dual rate speech coder and for the silence compression scheme, version 5.1

ITU-T Rec. G.723.1 Annex B (11/96) Alternative specification based on floating point arithmetic

ITU-T Rec. G.723.1 Annex C (11/96) Scalable channel coding scheme for wireless applications

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

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

ITU-T Rec. G.726 (12/90) 40, 32, 24, 16 kbit/s Adaptive Differential Pulse Code Modulation (ADPCM)

ITU-T Rec. G.726 Annex A (11/94) 40, 32, 24, 16 kbit/s Adaptive differential pulse code modulation (ADPCM); Annex A: Extensions of Recommendation G.726 for use with uniform-quantized input and output

ITU-T Rec. G.726 Appendix 2 (03/91) Digital test sequences for the verification of the G.726 40, 32, 24 and 16 kbit/s ADPCM algorithm

ITU-T Rec. G.726 Appendix III - Rec. G.727 Appendix II (05/94) Comparison of ADPCM algorithms

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

ITU-T Rec. G.727 Annex A (11/94) - 5-, 4-, 3- and 2-bits per sample embedded adaptive differential pulse code modulation (ADPCM) - Annex A: Extensions of Recommendation G.727 for use with uniform-quantized input and output

ITU-T Rec. G.727 Appendix 1 (03/91) Digital test sequences for the verification of the G.727 5-, 4-, 3- and 2-bit/sample embedded ADPCM algorithm

ITU-T Rec. G.726 Appendix III - Rec. G.727 Appendix II (05/94) Comparison of ADPCM algorithms

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

ITU-T Rec. G.728 Annex G/Corrigendum 1 (02/00) Coding of speech at 16 kbit/s using low-delay

code

excited linear prediction - Annex G: 16 kbit/s fixed point specification - Corrigendum 1

.ITU-T Rec. G.728 Annex G (11/94) Coding of speech at 16 kbit/s using low-delay code excited linear prediction - Annex G: 16 kbit/s fixed point specification

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

16 kbit/s

ITU-T Rec. G.728 Annex I (05/99) Frame or packet loss concealment for the LD-CELP decoder

ITU-T Rec. G.728 Annex J (09/99) Coding of speech at 16 kbit/s using low-delay code excited linear prediction - Annex J: Variable bit-rate operation of LD-CELP mainly for voiceband-data applications in DCME

ITU-T Rec. G.728 Appendix 1 (07/95) Programs and test sequences for implementation verification of the

algorithm of the G.728 16 kbit/s LD-CELP speech coder

ITU-T Rec. G.728 Appendix II (11/95) Speech performance

ITU-T G.729 Corrigendum to Annexes (03/01) - C source code and test vectors for implementation verification of the G.729 8 kbit/s CS-ACELP speech coder - To be published

ITU-T Rec. G.729 (03/96) Coding of speech at 8 kbit/s using conjugate-structure algebraic-code-excited

linear-prediction

ITU-T Rec. G.729 Annex A (11/96) Reduced complexity 8 kbit/s CS-ACELP speech codec

ITU-T Rec. G.729 Annex B (11/96) A silence compression scheme for G.729 optimized for terminals conforming to Recommendation V.70

ITU-T Rec. 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

ITU-T Rec. G.729 Annex C (09/98) Reference floating-point implementation for G.729 CS-ACELP 8 kbit/s

speech coding

.ITU-T Rec. G.729 Annex D (09/98) Coding of speech at 8 kbit/s using Conjugate-Structure

Algebraic-Code-Excited Linear-Prediction (CS-ACELP) - Annex D: 6.4 kbit/s CS-ACELP speech coding algorithm

ITU-T Rec. G.729 Annex E (09/98) 11.8 kbit/s CS-ACELP speech coding algorithm

ITU-T Rec. G.729 Annex F (02/00) Reference implementation of G.729 Annex B DTX functionality for Annex

D

ITU-T Rec. G.729 Annex G (02/00) Coding of speech at 8 kbit/s using Conjugate Structure Algebraic Code-Excited Linear Prediction (CS-ACELP) - Annex G: Reference implementation of G.729 Annex B DTX

functionality for Annex E

ITU-T Rec. G.729 Annex H (02/00) Reference implementation of switching procedure between G.729 Annexes

D and E

ITU-T Rec. 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

ITU-T Rec. G.731 (11/88) Primary PCM multiplex equipment for voice frequencies

ITU-T Rec. G.732 (11/88) Characteristics of primary PCM multiplex equipment operating at 2048 kbit/s

ITU-T Rec. G.733 (11/88) Characteristics of primary PCM multiplex equipment operating at 1544 kbit/s

ITU-T Rec. G.734 (11/88) Characteristics of synchronous digital multiplex equipment operating at 1544

kbit/s

ITU-T Rec. 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

ITU-T Rec. G.736 (03/93) Characteristics of a synchronous digital multiplex equipment operating at 2048

kbit/s

.ITU-T Rec. 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

ITU-T Rec. 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
ITU-T Rec. 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
ITU-T Rec. G.741 (11/88) General considerations on second order multiplex equipments
ITU-T Rec. G.742 (11/88) Second order digital multiplex equipment operating at 8448 kbit/s and using
positive justification
ITU-T Rec. G.743 (11/88) Second order digital multiplex equipment operating at 6312 kbit/s and using
positive justification
ITU-T Rec. G.744 (11/88) Second order PCM multiplex equipment operating at 8448 kbit/s
ITU-T Rec. G.745 (11/88) Second order digital multiplex equipment operating at 8448 kbit/s and using
positive/zero/negative justification
ITU-T Rec. G.746 (11/88) Characteristics of second order PCM multiplex equipment operating at 6312
kbit/s
ITU-T Rec. G.747 (11/88) Second order digital multiplex equipment operating at 6312 kbit/s and
multiplexing three tributaries at 2048 kbit/s
ITU-T Rec. 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
ITU-T Rec. G.752 (11/88) Characteristics of digital multiplex equipments based on a second order bit
rate
of 6312 kbit/s and using positive justification
ITU-T Rec. G.753 (11/88) Third order digital multiplex equipment operating at 34 368 kbit/s and
using
positive/zero/negative justification
ITU-T Rec. G.754 (11/88) Fourth order digital multiplex equipment operating at 139 264 kbit/s and
using
positive/zero/negative justification
ITU-T Rec. G.755 (11/88) Digital multiplex equipment operating at 139 264 kbit/s and multiplexing
three
tributaries at 44 736 kbit/s
ITU-T Rec. G.761 (11/88) General characteristics of a 60-channel transcoder equipment
ITU-T Rec. G.762 (11/88) General characteristics of a 48-channel transcoder equipment
ITU-T Rec. G.763 Covering Note (10/98) Digital circuit multiplication equipment using G.726
ADPCM and
digital speech interpolation
ITU-T Rec. G.763 (10/98) Digital circuit multiplication equipment using G.726 ADPCM and digital
speech
interpolation
ITU-T Rec. G.764 (12/90) Voice packetization - Packetized voice protocols
ITU-T Rec. G.764 Appendix 1 (11/95) Packetization guide
ITU-T Rec. G.765 (09/92) Packet circuit multiplication equipment
ITU-T Rec. G.765 Appendix 1 (11/95) A guide to PCME
ITU-T Rec. G.766 (11/96) Facsimile demodulation/remodulation for digital circuit multiplication
equipment
ITU-T Rec. G.767 (10/98) Digital circuit multiplication equipment using 16 kbit/s LD-CELP, digital
speech
interpolation and facsimile demodulation/remodulation
ITU-T Rec. G.768 (03/01) - Digital circuit multiplication equipment using 8 kbit/s CS-ACELP - To be
published
ITU-T Rec. G.772 (03/93) Protected monitoring points provided on digital transmission systems
ITU-T Rec. G.773 (03/93) Protocol suites for Q-interfaces for management of transmission systems
ITU-T Rec. G.774 (02/01) - Synchronous digital hierarchy (SDH) management information model for
the
network element view - To be published
ITU-T Rec. G.774.10 (02/01) - Synchronous Digital Hierarchy (SDH) Multiplex Section (MS) shared
protection
ring management for the network element view - To be published
ITU-T Rec. G.774.1 (02/01) - Synchronous digital hierarchy (SDH) bidirectional performance
monitoring for
the network element view - To be published
ITU-T Rec. G.774.2 (02/01) - Synchronous digital hierarchy (SDH) configuration of the payload
structure

for the network element view - To be published
ITU-T Rec. G.774.3 (02/01) - Synchronous digital hierarchy (SDH) management of multiplex-section protection for the network element view - To be published
ITU-T Rec. G.774.4 (02/01) - Synchronous digital hierarchy (SDH) management of the subnetwork connection protection for the network element view - To be published
ITU-T Rec. G.774.5 (02/01) - Synchronous digital hierarchy (SDH) management of connection supervision
functionality (HCS/LCS) for the network element view - To be published
ITU-T Rec. G.774.6 (02/01) - Synchronous digital hierarchy (SDH) unidirectional performance monitoring
for the network element view - To be published
ITU-T Rec. G.774.7 (02/01) - Synchronous digital hierarchy (SDH) management of lower order path trace
and interface labelling for the network element view - To be published
ITU-T Rec. G.774.8 (02/01) - Synchronous digital hierarchy (SDH) management of radio-relay systems for the network element view - To be published
ITU-T Rec. G.774.9 (02/01) - Synchronous Digital Hierarchy (SDH) configuration of linear multiplex section protection for the network element view - To be published
ITU-T Rec. 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
ITU-T Rec. G.776.1 (10/98) Managed objects for signal processing network elements
ITU-T Rec. G.776.3 (04/2000) ADPCM DCME configuration map report
ITU-T Rec. G.780 (06/99) Vocabulary of terms for synchronous digital hierarchy (SDH) networks and equipment
ITU-T Rec. G.781 (06/99) Synchronization layer functions
ITU-T Rec. G.783 Corrigendum 1 (03/01) - Characteristics of synchronous digital hierarchy (SDH) equipment
functional blocks - To be published
ITU-T Rec. G.783 (10/00) Characteristics of synchronous digital hierarchy (SDH) equipment functional blocks
- To be published
ITU-T Rec. G.784 (06/99) Synchronous digital hierarchy (SDH) management
ITU-T Rec. G.785 (11/96) Characteristics of a flexible multiplexer in a synchronous digital hierarchy environment
ITU-T Rec. G.791 (11/88) General considerations on transmultiplexing equipments
ITU-T Rec. G.792 (11/88) Characteristics common to all transmultiplexing equipments
ITU-T Rec. G.793 (11/88) Characteristics of 60-channel transmultiplexing equipments
ITU-T Rec. G.794 (11/88) Characteristics of 24-channel transmultiplexing equipments
ITU-T Rec. G.795 (11/88) Characteristics of codecs for FDM assemblies
ITU-T Rec. G.796 Corrigendum 1 (10/98) Characteristics of a 64 kbit/s cross-connect equipment with 2048 kbit/s access ports
ITU-T Rec. G.796 (09/92) Characteristics of a 64 kbit/s cross-connect equipment with 2048 kbit/s access ports
ITU-T Rec. G.797 (03/96) Characteristics of a flexible multiplexer in a plesiochronous digital hierarchy environment
ITU-T Rec. G.801 (11/88) Digital transmission models
ITU-T Rec. G.802 (11/88) Interworking between networks based on different digital hierarchies and speech encoding laws
ITU-T Rec. G.803 (03/00) Architecture of transport networks based on the synchronous digital hierarchy (SDH) - To be published
ITU-T Rec. G.804 (02/98) ATM cell mapping into plesiochronous digital hierarchy (PDH)
ITU-T Rec. G.805 (03/00) Generic functional architecture of transport networks - To be published
ITU-T Rec. G.806 (10/00) Characteristics of transport equipment - Description methodology and generic functionality - To be published
ITU-T Rec. G.810 (08/96) Definitions and terminology for synchronization networks

.ITU-T Rec. G.811 (09/97) Timing characteristics of primary reference clocks
ITU-T Rec. G.812 (06/98) Timing requirements of slave clocks suitable for use as node clocks in synchronization networks
ITU-T Rec. G.813 (08/96) Timing characteristics of SDH equipment slave clocks (SEC)
ITU-T Rec. G.821 (08/96) 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
ITU-T Rec. G.822 (11/88) Controlled slip rate objectives on an international digital connection
ITU-T Rec. G.823 (03/00) The control of jitter and wander within digital networks which are based on the 2048 kbit/s hierarchy - To be published
ITU-T Rec. G.824 (03/2000) The control of jitter and wander within digital networks which are based on the 1544 kbit/s hierarchy
ITU-T Rec. G.826 (02/99) Error performance parameters and objectives for international, constant bit rate digital paths at or above the primary rate
ITU-T Rec. G.827 (03/00) Availability parameters and objectives for path elements of international constant bit-rate digital paths at or above the primary rate - To be published
ITU-T Rec. G.827.1 (11/00) - Availability performance objectives for end-to-end international constant bit-rate digital paths at or above the primary rate - To be published
ITU-T Rec. G.828 (03/2000) Error performance parameters and objectives for international, constant bit rate synchronous digital paths
ITU-T Rec. G.831 (03/00) Management capabilities of transport networks based on the synchronous digital hierarchy (SDH) - To be published
.ITU-T Rec. G.832 (10/98) Transport of SDH elements on PDH networks - Frame and multiplexing structures
ITU-T Rec. G.841 (10/98) Types and characteristics of SDH network protection architectures
ITU-T Rec. G.842 (04/97) Interworking of SDH network protection architectures
ITU-T Rec. G.851.1 (11/96) Management of the transport network - Application of the RM-ODP framework
ITU-T Rec. G.852.10 (03/99) Enterprise viewpoint for pre-provisioned link connection management
ITU-T Rec. G.852.12 (03/99) Enterprise viewpoint for pre-provisioned link management
ITU-T Rec. G.852.16 (01/01) Enterprise viewpoint for pre-provisioned route discovery - To be published
ITU-T Rec. G.852.1 (11/96) Management of the transport network - Enterprise viewpoint for simple subnetwork connection management
ITU-T Rec. G.852.2 (03/99) Enterprise viewpoint description of transport network resource model
ITU-T Rec. G.852.3 (03/99) Enterprise viewpoint for topology management
ITU-T Rec. G.852.6 (03/99) Enterprise viewpoint for trail management
ITU-T Rec. G.852.8 (03/99) Enterprise viewpoint for pre-provisioned adaptation management
ITU-T Rec. G.853.10 (03/99) Information viewpoint for pre-provisioned link connection management
ITU-T Rec. G.853.12 (03/99) Information viewpoint for pre-provisioned link management
ITU-T Rec. G.853.16 (01/01) - Information viewpoint for pre-provisioned route discovery - To be published
.ITU-T Rec. G.853.1 (03/99) Common elements of the information viewpoint for the management of a transport network
ITU-T Rec. G.853.2 (11/96) Subnetwork connection management information viewpoint
ITU-T Rec. G.853.3 (03/99) Information viewpoint for topology management
ITU-T Rec. G.853.6 (03/99) Information viewpoint for trail management
ITU-T Rec. G.853.8 (03/99) Information viewpoint for pre-provisioned adaptation management
ITU-T Rec. G.854.10 (03/99) Computational viewpoint for pre-provisioned link connection management
ITU-T Rec. G.854.12 (03/99) Computational viewpoint for pre-provisioned link management
ITU-T Rec. G.854.16 (01/01) - Computational viewpoint for pre-provisioned route discovery - To be published
ITU-T Rec. G.854.1 (11/96) Management of the transport network - Computational interfaces for basic transport network model
ITU-T Rec. G.854.3 (03/99) Computational viewpoint for topology management
ITU-T Rec. G.854.6 (03/99) Computational viewpoint for trail management

ITU-T Rec. G.854.8 (03/99) Computational viewpoint for pre-provisioned adaptation management

ITU-T Rec. G.855.1 (03/99) GDMO engineering viewpoint for the generic network level model

ITU-T Rec. G.861 (08/96) Principles and guidelines for the integration of satellite and radio systems in SDH transport networks

ITU-T Rec. G.871/Y.1301 (10/00) Framework for optical transport network Recommendations - To be published

ITU-T Rec. G.872 (02/99) Architecture of optical transport networks

ITU-T Rec. G.901 (11/88) General considerations on digital sections and digital line systems

ITU-T Rec. G.902 (11/95) Framework Recommendation on functional access networks (AN) - Architecture and functions, access types, management and service node aspects

ITU-T Rec. G.911 (04/97) Parameters and calculation methodologies for reliability and availability of fibre optic systems

ITU-T Rec. G.921 (11/88) Digital sections based on the 2048 kbit/s hierarchy

ITU-T Rec. G.931 (11/88) Digital line sections at 3152 kbit/s

ITU-T Rec. G.941 (11/88) Digital line systems provided by FDM transmission bearers

ITU-T Rec. G.950 (11/88) General considerations on digital line systems

ITU-T Rec. G.951 (11/88) Digital line systems based on the 1544 kbit/s hierarchy on symmetric pair cables

ITU-T Rec. G.952 (11/88) Digital line systems based on the 2048 kbit/s hierarchy on symmetric pair cables

ITU-T Rec. G.953 (11/88) Digital line systems based on the 1544 kbit/s hierarchy on coaxial pair cables

ITU-T Rec. G.954 (11/88) Digital line systems based on the 2048 kbit/s hierarchy on coaxial pair cables

ITU-T Rec. G.955 (11/96) Digital line systems based on the 1544 kbit/s and the 2048 kbit/s hierarchy on optical fibre cables

ITU-T Rec. G.957 (06/99) Optical interfaces for equipments and systems relating to the synchronous digital hierarchy

ITU-T Rec. G.958 (11/94) Digital line systems based on the synchronous digital hierarchy for use on optical fibre cables

ITU-T Rec. G.959.1 (02/01) - Optical transport network physical layer interfaces - To be published

ITU-T Rec. G.960 (03/93) Access digital section for ISDN basic rate access

ITU-T Rec. G.961 (03/93) Covering note (03/93) Digital transmission system on metallic local lines for ISDN basic rate access

ITU-T Rec. G.961 (03/93) Digital transmission system on metallic local lines for ISDN basic rate access

ITU-T Rec. G.962 (03/93) Access digital section for ISDN primary rate at 2048 kbit/s

ITU-T Rec. G.962 Amendment 1 (06/97) Access digital section for ISDN primary rate at 2048 kbit/s - Amendment 1: Maintenance channel

ITU-T Rec. G.963 (03/93) Access digital section for ISDN primary rate at 1544 kbit/s

ITU-T Rec. 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) - To be published

ITU-T Rec. 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) - To be published

ITU-T Rec. G.966 (02/99) Access digital section for B-ISDN

ITU-T Rec. G.967.1 (06/98) V-interfaces at the service node (SN): VB5.1 reference point specification

ITU-T Rec. G.967.2 (02/99) V-interfaces at the service node (SN): VB5.2 reference point specification

ITU-T Rec. G.967.3 (03/2000) V-interfaces at the service node (SN): Protocol implementation conformance statements for interfaces at VB5 reference points

ITU-T Rec. G.971 (04/00) General features of optical fibre submarine cable systems - To be published

ITU-T Rec. G.972 (10/00) Definition of terms relevant to optical fibre submarine cable systems - To be published

ITU-T Rec. G.973 (11/96) Characteristics of repeaterless optical fibre submarine cable systems

ITU-T Rec. G.974 (03/93) Characteristics of regenerative optical fibre submarine cable systems

ITU-T Rec. G.975 (10/00) Forward error correction for submarine systems - To be published

ITU-T Rec. G.976 (10/00) Test methods applicable to optical fibre submarine cable systems - To be published
ITU-T Rec. G.977 (04/00) Characteristics of optically amplified optical submarine cable systems - To be published
ITU-T Rec. G.981 (01/94) PDH optical line systems for the local network
ITU-T Rec. G.982 (11/96) Optical access networks to support services up to the ISDN primary rate or equivalent bit rates
ITU-T Rec. G.983.1 Corrigendum 1 (06/99) Broadband optical access systems based on Passive Optical Networks (PON) - Corrigendum 1
ITU-T Rec. G.983.1 (10/98) Broadband optical access systems based on Passive Optical Networks (PON)
.ITU-T Rec. G.983.2 (04/00) ONT management and control interface specification for ATM PON - To be published
ITU-T Rec. G.983.3 (02/01) - A broadband optical access system with increased service capability by wavelength allocation - To be published
ITU-T Rec. G.989.1 (02/01) - Phoneline networking transceivers - Foundation - To be published
ITU-T Rec. G.991.1 (10/98) High bit rate Digital Subscriber Line (HDSL) transceivers
ITU-T Rec. G.991.2 (02/01) - Single-pair high-speed digital subscriber line (SHDSL) transceivers - For approval - Updated - To be published
ITU-T Rec. G.992.1 (06/99) Asymmetric digital subscriber line (ADSL) transceivers
ITU-T Rec. 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 ITU-T Recommendation G.961 Appendix III - To be published
ITU-T Rec. G.992.2 (06/99) Splitterless asymmetric digital subscriber line (ADSL) transceivers
ITU-T Rec. G.994.1 (02/01) - Handshake procedures for Digital Subscriber Line (DSL) transceivers - To be published
ITU-T Rec. G.995.1 (02/01) - Overview of digital subscriber line (DSL) recommendations, for approval - To be published
ITU-T Rec. G.996.1 (02/01) - Test procedures for digital subscriber line (DSL) transceivers - To be published
ITU-T Rec. G.997.1 (06/99) Physical layer management for digital subscriber line (DSL) transceivers
ITU-T Rec. G. Supplement 29 (03/93) Planning of mixed analogue-digital circuits (chains, connections)
.ITU-T Rec. G. Supplement 31 (03/93) Principles of determining an impedance strategy for the local network
ITU-T Rec. G. Supplement 32 (03/93) Transmission aspects of digital mobile radio systems
ITU-T Rec. G. Supplement 37 (10/98) ITU-T Recommendation G.763 digital circuit multiplication equipment (DCME) tutorial and dimensioning
ITU-T Rec. G. Supplement 38 (10/98) Variable bit rate calculations for ITU-T Recommendation G.767 Digital Circuit Multiplication Equipment (DCME)

Series H Audiovisual and multimedia systems

ITU-T Rec. H.100 (11/88) Visual telephone systems
ITU-T Rec. H.110 (11/88) Hypothetical reference connections for videoconferencing using primary digital group transmission
ITU-T Rec. H.120 (03/93) Codecs for videoconferencing using primary digital group transmission
ITU-T Rec. H.130 (11/88) Frame structures for use in the international interconnection of digital codecs for

videoconferencing or visual telephony
ITU-T Rec. H.140 (11/88) A multipoint international videoconference system
ITU-T Rec. H.200 (03/93) Framework for Recommendations for audiovisual services
ITU-T Rec. H.221 Covering Note (05/99) Frame structure for a 64 to 1 920 kbit/s channel in
audiovisual
teleservices
ITU-T Rec. H.221 (05/99) Frame structure for a 64 to 1920 kbit/s channel in audiovisual teleservices
ITU-T Rec. H.222.0 Corrigendum 1 (03/01) Information technology - Generic coding of moving
pictures and
associated audio information: Systems - To be published
ITU-T Rec. H.222.0 (02/00) Information technology - Generic coding of moving pictures and
associated
audio...
ITU-T Rec. H.222.0 Amendment 7 (02/00) Information technology - Generic coding of moving
pictures and
associated audio information: Systems - To be published
ITU-T Rec. H.222.1 (03/96) Multimedia multiplex and synchronization for audiovisual communication
in ATM
environments
ITU-T Rec. H.223 (03/96) Multiplexing protocol for low bit rate multimedia communication
.ITU-T Rec. H.223 Annex A (02/98) Multiplexing protocol for low bit-rate multimedia mobile
communication
over low error-prone channels
ITU-T Rec. H.223 Annex B (02/98) Multiplexing protocol for low bit rate multimedia mobile
communication
over moderate error-prone channels
ITU-T Rec. H.223 Annex C (02/98) Multiplexing protocol for low bit rate multimedia mobile
communication
over highly error-prone channels
ITU-T Rec. H.223 Annex D (05/99) Optional multiplexing protocol for low bit rate multimedia mobile
communication over highly error-prone channels
ITU-T Rec. H.224 (02/2000) A real time control protocol for simplex applications using the H.221
LSD/HSD/MLP channels
ITU-T Rec. H.225.0 (11/00) - Call signalling protocols and media stream packetization for packet-
based
multimedia communication systems - To be published
ITU-T Rec. H.226 (09/98) Channel aggregation protocol for multilink operation on circuit switched
networks
ITU-T Rec. H.230 (05/99) Frame-synchronous control and indication signals for audiovisual systems
ITU-T Rec. H.231 (07/97) Multipoint control units for audiovisual systems using digital channels up to
1920 kbit/s
ITU-T Rec. H.233 (07/95) Confidentiality system for audiovisual services
ITU-T Rec. H.234 (11/94) Encryption key management and authentication system for audiovisual
services
ITU-T Rec. H.235 (11/00) - Security and encryption for H-series (H.323 and other H.245-based)
multimedia
terminals - To be published
.ITU-T Rec. H.242 (05/99) System for establishing communication between audiovisual terminals
using digital
channels up to 2 Mbit/s
ITU-T Rec. H.243 (02/2000) Procedures for establishing communication between three or more
audiovisual
terminals using digital channels up to 1920 kbit/s
ITU-T Rec. H.244 (07/95) Synchronized aggregation of multiple 64 or 56 kbit/s channels
ITU-T Rec. H.245 (02/00) Control protocol for multimedia communication - To be published
ITU-T Rec. H.246 (02/98) Interworking of H-Series multimedia terminals with H-Series multimedia
terminals
and voice/voiceband terminals on GSTN and ISDN
ITU-T Rec. H.246 Annex C (02/2000) Interworking of H-series multimedia terminals with H-series
multimedia terminals and voice/voiceband terminals on GSTN and ISDN - Annex C: ISDN User Part
Function
- H.225.0 Interworking
ITU-T Rec. H.246 Annex E1 (11/00) Inter-working function (IWF) between mobile application part

and

H.225.0 - To be published

ITU-T Rec. H.246 Annex E2 (11/00) ANSI-41 (Americas) mobile application part and H.225.0 inter-working

- To be published

ITU-T Rec. H.247 (09/98) Multipoint extension for broadband audiovisual communication systems and terminals

ITU-T Rec. H.248 (06/2000) Gateway control protocol

ITU-T Rec. H.248 Annex F (11/00) Facsimile, text conversation and call discrimination packages - To be

published

ITU-T Rec. H.248 Annex G (11/00) User interface elements and actions packages - To be published

ITU-T Rec. H.248 Annex H (11/00) Transport over SCTP - To be published

ITU-T Rec. H.248 Annex I (11/00) Transport over ATM - To be published

ITU-T Rec. H.248 Annex J (11/00) Dynamic Tone Definition package - To be published

ITU-T Rec. H.248 Annex K (11/00) Generic Announcement package - To be published

ITU-T Rec. H.261 (03/93) Video codec for audiovisual services at p x 64 kbit/s

ITU-T Rec. H.262 Corrigendum 1 (11/00) - Information technology - Generic coding of moving pictures

and associated audio information: Video - To be published

ITU-T Rec. H.262 (02/2000) Information technology - Generic coding of moving pictures and associated

audio information: Video

ITU-T Rec. H.262 Amendment 1 (11/00) Video elementary stream content description data - To be published

ITU-T Rec. H.263 (02/98) Video coding for low bit rate communication

ITU-T Rec. H.263 Annex U (11/00) Enhanced reference picture selection - To be published

ITU-T Rec. H.263 Annex V (11/00) Data partitioned slice (DPS) - To be published

ITU-T Rec. H.263 Annex W (11/00) Additional supplemental enhancement information - To be published

ITU-T Rec. H.263 Annex X (04/01) Profiles and Levels Definition - To be published

ITU-T Rec. H.281 (11/94) A far end camera control protocol for videoconferences using H.224

ITU-T Rec. H.282 (05/99) Remote device control protocol for multimedia applications

ITU-T Rec. H.283 (05/99) Remote device control logical channel transport

ITU-T Rec. H.310 Corrigendum 1 (02/98) Broadband audiovisual communication systems and terminals -

Corrigendum 1

ITU-T Rec. H.310 (09/98) Broadband audiovisual communication systems and terminals

ITU-T Rec. H.320 (05/99) Narrow-band visual telephone systems and terminal equipment

ITU-T Rec. H.321 (02/98) Adaptation of H.320 visual telephone terminals to B-ISDN environments

ITU-T Rec. H.322 (03/96) Visual telephone systems and terminal equipment for local area networks which

provide a guaranteed quality of service

ITU-T Rec. H.323 (11/00) - Packet-Based Multimedia Communications Systems - To be published

ITU-T Rec. H.323 Annex G (02/00) Packet-based multimedia communications systems - Annex G: Text

conversation and Text SET

ITU-T Rec. H.323 Annex J (11/00) - Security for H.323 Annex F - To be published

ITU-T Rec. H.323 Annex K (11/00) HTTP based service control transport channel in H.323 - To be published

ITU-T Rec. H.323 Annex L (03/01) Stimulus protocol - To be published

ITU-T Rec. H.323 Annex M1 (11/00) - Tunnelling of signalling protocols (QSIG) in H.323 - To be published

ITU-T Rec. H.323 Annex M.2 (11/00) Tunneling of signalling protocol (Isup) in H.323 - To be published

ITU-T Rec. H.324 (02/98) Terminal for low bit-rate multimedia communication

ITU-T Rec. H.324 Annex F (09/98) Terminal for low bit-rate multimedia communication

ITU-T Rec. H.324 Annex G (02/00) Terminal for low bit-rate multimedia communication - Annex G: Usage

of ISO/IEC 14496-1 generic capabilities in H.324 terminals

ITU-T Rec. H.324 Annex H (02/00) Mobile multilink operation - To be published

ITU-T Rec. H.331 (03/93) Broadcasting type audiovisual multipoint systems and terminal equipment

ITU-T Rec. H.332 (09/98) H.323 extended for loosely-coupled conferences

ITU-T Rec. H.341 (05/99) Multimedia management information base
ITU-T Rec. H.450.10 (03/01) Call offer supplementary service for H.323 - To be published
ITU-T Rec. H.450.11 (03/01) Call intrusion supplementary service for H.323 - To be published
ITU-T Rec. H.450.1 (02/98) Generic functional protocol for the support of supplementary services in H.323
ITU-T Rec. H.450.2 (02/98) Call transfer supplementary service for H.323
ITU-T Rec. H.450.3 (02/98) Call diversion supplementary service for H.323
ITU-T Rec. H.450.4 (05/99) Call hold supplementary service for H.323
ITU-T Rec. H.450.5 Covering Note (05/99) Call park and call pickup supplementary services for H.323
ITU-T Rec. H.450.5 (05/99) Call park and call pickup supplementary services for H.323
ITU-T Rec. H.450.6 (05/99) Call waiting supplementary service for H.323
ITU-T Rec. H.450.7 (05/99) Message waiting indication supplementary service for H.323
ITU-T Rec. H.450.8 (02/00) Name identification supplementary service for H.323
ITU-T Rec. H.450.9 (11/00) Call Completion Supplementary Services for H.323 - To be published
ITU-T Rec. Series H Supplement 1 (05/99) Application profile- Sign language and lip-reading real-time conversation using low bit-rate video communication

Series I Integrated services digital network

ITU-T Rec. I.112 (03/93) Vocabulary of terms for ISDNs
ITU-T Rec. I.113 (06/97) Vocabulary of terms for broadband aspects of ISDN
ITU-T Rec. I.114 (03/93) Vocabulary of terms for universal personal telecommunication
ITU-T Rec. I.120 (03/93) Integrated services digital networks (ISDNs)
ITU-T Rec. I.121 (04/91) Broadband aspects of ISDN
ITU-T Rec. I.122 (03/93) Framework for frame mode bearer services
ITU-T Rec. I.130 (11/88) Method for the characterization of telecommunication services supported by an ISDN and network capabilities of an ISDN
ITU-T Rec. I.140 (03/93) Attribute technique for the characterization of telecommunication services supported by an ISDN and network capabilities of an ISDN
ITU-T Rec. I.141 (11/88) ISDN network charging capabilities attributes
ITU-T Rec. I.150 (02/99) B-ISDN asynchronous transfer mode functional characteristics
ITU-T Rec. I.200 (11/88) Guidance to the I.200-Series of Recommendations
ITU-T Rec. I.210 (03/93) Principles of telecommunication services supported by an ISDN and the means to describe them
ITU-T Rec. I.211 (03/93) B-ISDN service aspects
ITU-T Rec. I.220 (11/88) Common dynamic description of basic telecommunication services
ITU-T Rec. I.221 (03/93) Common specific characteristics of services
ITU-T Rec. I.230 (11/88) Definition of bearer service categories
ITU-T Rec. I.231.10 (08/92) Circuit-mode multiple-rate unrestricted 8 kHz structured bearer service
ITU-T Rec. I.231.1 (11/88) Circuit-mode 64 kbit/s unrestricted, 8 kHz structured bearer service
ITU-T Rec. I.231.2 (11/88) Circuit-mode 64 kbit/s, 8 kHz structured bearer service usable for speech information transfer
ITU-T Rec. I.231.3 (11/88) Circuit-mode 64 kbit/s, 8 kHz structured bearer service usable for 3.1 kHz audio information transfer
ITU-T Rec. I.231.4 (11/88) Circuit-mode, alternate speech / 64 kbit/s unrestricted, 8 kHz structured bearer service
ITU-T Rec. I.231.5 (11/88) Circuit-mode 2 x 64 kbit/s unrestricted, 8 kHz structured bearer service
ITU-T Rec. I.231.6 (07/96) Circuit-mode 384 kbit/s unrestricted, 8 kHz structured bearer service
ITU-T Rec. I.231.7 (07/96) Circuit-mode 1536 kbit/s unrestricted, 8 kHz structured bearer service
ITU-T Rec. I.231.8 (07/96) Circuit-mode 1920 kbit/s unrestricted, 8 kHz structured bearer service
ITU-T Rec. I.231.9 (03/93) Circuit mode 64 kbit/s, 8 kHz structured multi-use bearer service
ITU-T Rec. I.232.1 (11/88) Virtual call and permanent virtual circuit bearer service category
ITU-T Rec. I.232.2 (11/88) Packet-mode bearer service categories: Connectionless bearer service category
ITU-T Rec. I.232.3 (03/93) User signalling bearer service category (USBS)

ITU-T Rec. I.233 (10/91) Frame mode bearer services
ITU-T Rec. I.233.1 Annex F (07/96) Frame mode bearer services: ISDN frame relaying bearer service - Annex
F: Frame relay multicast
ITU-T Rec. I.240 (11/88) Definition of teleservices
ITU-T Rec. I.241.1 (11/88) Teleservices supported by an ISDN: Telephony
ITU-T Rec. I.241.2 (11/88) Teleservices supported by an ISDN: Teletex
ITU-T Rec. I.241.3 (11/88) Teleservices supported by an ISDN: Telefax 4
ITU-T Rec. I.241.4 (11/88) Teleservices supported by an ISDN: Mixed mode
ITU-T Rec. I.241.5 (11/88) - Teleservices supported by an ISDN: Videotex
ITU-T Rec. I.241.6 (11/88) Teleservices supported by an ISDN: Telex
ITU-T Rec. I.241.7 (03/93) Telephony 7 kHz teleservice
ITU-T Rec. I.241.8 (10/95) Teleaction stage one service description
ITU-T Rec. I.250 (11/88) Definition of supplementary services
ITU-T Rec. I.251.10 (07/96) Number identification supplementary services: Calling name identification restriction
ITU-T Rec. I.251.1 (08/92) Direct-dialling-In
ITU-T Rec. I.251.2 (08/92) Multiple Subscriber Number
ITU-T Rec. I.251.3 (08/92) Calling Line Identification Presentation
ITU-T Rec. I.251.4 (08/92) Calling Line Identification Restriction
ITU-T Rec. I.251.5 (02/95) Connected Line Identification Presentation (COLP)
ITU-T Rec. I.251.6 (02/95) Connected Line Identification Restriction (COLR)
ITU-T Rec. I.251.7 (08/92) Malicious call Identification
ITU-T Rec. I.251.8 (08/92) Sub-addressing supplementary service
ITU-T Rec. I.251.9 (07/96) Calling name identification presentation
ITU-T Rec. I.252.1 (11/88) Call offering supplementary services: Call Transfer
ITU-T Rec. I.252.2 (08/92) Call Forwarding Busy
ITU-T Rec. I.252.3 (08/92) Call Forwarding No Reply
ITU-T Rec. I.252.4 (08/92) Call Forwarding Unconditional
ITU-T Rec. I.252.5 (08/92) Call Deflection
ITU-T Rec. I.252.6 (11/88) Line Hunting (LH)
ITU-T Rec. I.252.7 (05/97) Call offering supplementary services: Explicit call transfer
ITU-T Rec. I.253.1 (07/90) Call waiting (CW) supplementary service
ITU-T Rec. I.253.2 (08/92) Call Hold
ITU-T Rec. I.253.3 (07/96) Completion of calls to busy subscribers
ITU-T Rec. I.253.4 (07/96) Completion of calls on no reply
ITU-T Rec. I.254.1 - Multiparty supplementary services: conference calling (CONF)
ITU-T Rec. I.254.2 (08/92) Three-Party Supplementary Service
ITU-T Rec. I.254.5 (05/97) Multiparty supplementary services: Meet-me conference
ITU-T Rec. I.255.1 (08/92) Closed User Group
ITU-T Rec. I.255.2 (07/96) Support of Private Numbering Plans
ITU-T Rec. I.255.3 (07/90) Multi-level precedence and preemption service (MLPP)
ITU-T Rec. I.255.4 (07/90) Priority service
ITU-T Rec. I.255.5 (08/92) Outgoing call barring
ITU-T Rec. I.256.2a (03/93) Advice of charge: charging information at call set-up time (AOC-S)
ITU-T Rec. I.256.2b (03/93) Advice of charge: charging information during the call (AOC-D)
ITU-T Rec. I.256.2c (03/93) Advice of charge: charging information at the end of the call (AOC-E)
ITU-T Rec. I.256.3 (08/92) Reverse charging
ITU-T Rec. I.257.1 (10/95) User-to-User Signalling
ITU-T Rec. I.258.1 (10/95) Terminal portability (TP)
ITU-T Rec. I.258.2 (02/95) In-call modification (IM)
ITU-T Rec. I.259.1 (07/96) Screening supplementary services: Address screening (ADS)
ITU-T Rec. I.310 (03/93) ISDN - Network functional principles
ITU-T Rec. I.311 (08/96) B-ISDN general network aspects
ITU-T Rec. I.311 Amendment 1 (03/2000) B-ISDN general network aspects - Amendment 1
ITU-T Rec. I.312/Q.1201 (10/92) Principles of intelligent network architecture
ITU-T Rec. I.313 (09/97) B-ISDN network requirements
ITU-T Rec. I.320 (11/93) ISDN protocol reference model
ITU-T Rec. I.321 (04/91) B-ISDN protocol reference model and its application
ITU-T Rec. I.322 (02/99) Generic protocol reference model for telecommunication networks
ITU-T Rec. I.324 (10/91) ISDN network architecture
ITU-T Rec. I.325 (03/93) Reference configurations for ISDN connection types

ITU-T Rec. I.326 (11/95) Functional architecture of transport networks based on ATM
ITU-T Rec. I.327 (03/93) B-ISDN functional architecture
ITU-T Rec. I.328/Q.1202 (09/97) Intelligent Network - Service plane architecture
.ITU-T Rec. I.329/Q.1203 (09/97) Intelligent Network - Service plane architecture
ITU-T Rec. I.330 (11/88) ISDN numbering and addressing principles
ITU-T Rec. I.331/E.164 (05/97) The international public telecommunication numbering plan
ITU-T Rec. I.333 (03/93) Terminal selection in ISDN
ITU-T Rec. I.334 (11/88) Principles relating ISDN numbers/sub-addresses to the OSI reference model network layer addresses
ITU-T Rec. I.340 (11/88) ISDN connection types
ITU-T Rec. I.350 (03/93) General aspects of quality of service and network performance in digital networks,
including ISDNs
ITU-T Rec. I.351/Y.801/Y.1501 (10/2000) Relationships among ISDN, Internet Protocol and GII performance
Recommendations
ITU-T Rec. I.352 (03/93) Network performance objectives for connection processing delays in an ISDN
ITU-T Rec. I.353 (08/96) Reference events for defining ISDN and B-ISDN performance parameters
ITU-T Rec. I.354 (03/93) Network performance objectives for packet-mode communication in an ISDN
ITU-T Rec. I.355 (10/2000) ISDN 64 kbit/s connection type availability performance
ITU-T Rec. I.356 (03/00) B-ISDN ATM layer cell transfer performance - To be published
ITU-T Rec. I.357 (11/00) B-ISDN semi-permanent connection availability - To be published
.ITU-T Rec. I.358 (06/98) Call processing performance for switched Virtual Channel Connections (VCCs) in a
B-ISDN
ITU-T Rec. I.359 (02/99) Accuracy and dependability performance of ISDN 64 kbit/s circuit mode connection
types
ITU-T Rec. I.361 (02/99) B-ISDN ATM layer specification
ITU-T Rec. I.363 (03/93) B-ISDN ATM Adaptation Layer specification
ITU-T Rec. I.363.1 (08/96) B-ISDN ATM Adaptation Layer specification: Type 1 AAL
ITU-T Rec. I.363.2 (11/00) - B-ISDN ATM Adaptation Layer (AAL) type 2 specification - To be published
ITU-T Rec. I.363.3 (08/96) B-ISDN ATM Adaptation Layer specification: Type 3/4 AAL
ITU-T Rec. I.363.5 (08/96) B-ISDN ATM Adaptation Layer specification: Type 5 AAL
ITU-T Rec. I.364 (02/99) Support of the broadband connectionless data bearer service by the B-ISDN
ITU-T Rec. I.365.1 (11/93) Frame relaying service specific convergence sublayer (FR-SSCS)
ITU-T Rec. I.365.2 (11/95) B-ISDN ATM adaptation layer sublayers: Service specific coordination function to
provide the connection-oriented network service
ITU-T Rec. I.365.3 (11/95) Service specific coordination function to provide the connection-oriented transport service
ITU-T Rec. I.365.4 (08/96) B-ISDN ATM adaptation layer sublayers: Service specific convergence sublayer for
HDLC applications
.ITU-T Rec. I.366.1 (06/98) Segmentation and Reassembly Service Specific Convergence Sublayer for the AAL
type 2
ITU-T Rec. I.366.2 (11/00) AAL type 2 service specific convergence sublayer for narrow-band services - To
be published
ITU-T Rec. I.370 (10/91) Congestion management for the ISDN frame relaying bearer service
ITU-T Rec. I.371 (03/00) Traffic control and congestion control in B-ISDN - To be published
ITU-T Rec. I.371.1 (11/00) - Guaranteed frame rate ATM transfer capability - To be published
ITU-T Rec. I.372 (03/93) Frame relaying bearer service network-to-network interface requirements
ITU-T Rec. I.373 (03/93) Network capabilities to support Universal Personal Telecommunication (UPT)
ITU-T Rec. I.375 (03/00) Network capabilities to support multimedia services - To be published
ITU-T Rec. I.375.1 (06/98) General aspects
ITU-T Rec. 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
ITU-T Rec. I.375.3 (03/2000) Network capabilities to support multimedia services: Example of multimedia
distribution service class - Switched digital broadcasting (SDB)
ITU-T Rec. I.376 (03/95) ISDN network capabilities for the support of the teleaction service
ITU-T Rec. I.377 (10/2000) Network requirements to support charging and accounting in B-ISDN
ITU-T Rec. I.380 (02/99) Internet protocol data communication service - IP packet transfer and availability
performance parameters
.ITU-T Rec. I.381 (03/01) ATM Adaptation Layer (AAL) performance - To be published
ITU-T Rec. I.410 (11/88) General aspects and principles relating to Recommendations on ISDN user-network interfaces
ITU-T Rec. I.411 (03/93) ISDN user-network interfaces - Reference configurations
ITU-T Rec. I.412 (11/88) ISDN user-network interfaces - Interface structures and access capabilities
ITU-T Rec. I.413 (03/93) B-ISDN user-network interface
ITU-T Rec. I.414 (09/97) Overview of Recommendations on Layer 1 for ISDN and B-ISDN customer accesses
ITU-T Rec. I.420 (10/88) Basic user-network interface
ITU-T Rec. I.421 (10/88) Primary rate user-network interface
ITU-T Rec. I.430 (11/95) Basic user-network interface - Layer 1 specification
ITU-T Rec. I.431 (03/93) Primary rate user-network interface - Layer 1 specification
ITU-T Rec. I.431 Amendment 1 (06/97) Primary rate user-network interface - Layer 1 specification - Amendment 1
ITU-T Rec. I.432.1 (02/99) General characteristics
ITU-T Rec. I.432.2 (02/99) 155 520 kbit/s and 622 080 kbit/s operation
ITU-T Rec. I.432.3 (02/99) 1544 kbit/s and 2048 kbit/s operation
.ITU-T Rec. I.432.4 (02/99) B-ISDN user-network interface - Physical layer specification: 51 840 kbit/s operation
ITU-T Rec. I.432.5 (06/97) B-ISDN user-network interface - Physical layer specification: 25 600 kbit/s operation
ITU-T Rec. I.440 (03/93) ISDN user-network interface data link layer - General aspects
ITU-T Rec. I.441 - ISDN user-network interface, Data link layer specification - See Recommendation Q.921
ITU-T Rec. I.450 (03/93) ISDN user-network interface layer 3 - General aspects
ITU-T Rec. I.451 - ISDN user-network interface layer 3 specification for basic call control - See Recommendation Q.931
ITU-T Rec. I.452 (03/93) Generic procedures for the control of ISDN supplementary services
ITU-T Rec. I.460 (02/99) Multiplexing, rate adaption and support of existing interfaces
ITU-T Rec. I.461 (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)
ITU-T Rec. I.462 (11/95) Support of packet mode terminal equipment by an ISDN
ITU-T Rec. I.463 (02/00) Support by an ISDN of data terminal equipments with V-series type interfaces (See Rec. V.110) - To be published
ITU-T Rec. I.464 (02/99) Multiplexing, rate adaption and support of existing interfaces for restricted 64 kbit/s transfer capability
ITU-T Rec. I.465 (10/96) Support by an ISDN of data terminal equipment with V-Series type interfaces with provision for statistical multiplexing
.ITU-T Rec. I.470 (11/88) Relationship of terminal functions to ISDN
ITU-T Rec. I.480 (03/00) 1+1 protection switching for cell-based physical layer - To be published
ITU-T Rec. I.500 (03/93) General structure of the ISDN interworking Recommendations
ITU-T Rec. I.501 (03/93) Service interworking
ITU-T Rec. I.510 (03/93) Definitions and general principles for ISDN interworking
ITU-T Rec. I.511 (11/88) ISDN-to-ISDN layer 1 internetwork interface
ITU-T Rec. I.515 (03/93) Parameter exchange for ISDN interworking
ITU-T Rec. I.520 (03/93) General arrangements for network interworking between ISDNs
ITU-T Rec. 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

ITU-T Rec. I.530 (03/93) Network interworking between an ISDN and a public switched telephone network (PSTN)

ITU-T Rec. I.540 (10/96) General arrangements for interworking between Circuit-Switched Public Data Networks (CSPDNs) and Integrated Service Digital Networks (ISDNs) for the provision of data transmission services

ITU-T Rec. I.550 (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

ITU-T Rec. I.555 (09/97) Frame Relaying Bearer Service interworking

ITU-T Rec. I.560 (03/93) Technical requirements to be met in providing the international telex service within an integrated services digital network

ITU-T Rec. I.570 (03/93) Public/private ISDN interworking

ITU-T Rec. I.571 (08/96) Connection of VSAT based private networks to the public ISDN

ITU-T Rec. I.572 (03/00) VSAT interconnection with the PSTN - To be published

ITU-T Rec. I.580 (11/95) General arrangements for interworking between B-ISDN and 64 kbit/s based ISDN

ITU-T Rec. I.581 (09/97) General arrangements for B-ISDN interworking

ITU-T Rec. I.601 (11/88) General maintenance principles of ISDN subscriber access and subscriber installation

ITU-T Rec. I.610 Corrigendum 1 (03/00) B-ISDN operation and maintenance principles and functions - To be published

ITU-T Rec. I.610 (02/99) B-ISDN operation and maintenance principles and functions

ITU-T Rec. I.610 Amendment 1 (03/2000) B-ISDN operation and maintenance principles and functions - Amendment 1

ITU-T Rec. I.620 (10/96) Frame relay operation and maintenance principles and functions

ITU-T Rec. I.630 Corrigendum 1 (03/2000) ATM protection switching - Corrigendum 1

ITU-T Rec. I.630 (02/99) ATM protection switching

ITU-T Rec. I.630 Amendment 1 (03/2000) ATM protection switching - Amendment 1

ITU-T Rec. I.731 (10/00) Types and general characteristics of ATM equipment - To be published

ITU-T Rec. I.732 (10/00) Functional characteristics of ATM equipment - To be published

ITU-T Rec. I.732 Annex D (10/00) Library of atomic functions - To be published

ITU-T Rec. I.741 (06/99) Interworking and interconnection between ATM and switched telephone networks for the transmission of speech, voiceband data and audio signals

ITU-T Rec. I.751 (03/96) Asynchronous transfer mode management of the network element view

ITU-T Rec. I.761 (03/2000) Inverse multiplexing for ATM (IMA)

ITU-T Rec. I.762 (03/2000) ATM over fractional physical links

ITU-T Rec. I Supplement 1 (03/98) Generic service descriptions for ten supplementary services defined in I.250 - Series Recommendations

Series J Transmission of television, sound programme and other multimedia signals

ITU-T Rec. J.1 (09/99) Terms, definitions and acronyms applicable to the transmission of television and sound-programme signals and of related data signals

ITU-T Rec. J.2 (09/99) Guidelines on the use of some ITU-T Recommendations in the J series

ITU-T Rec. J.11 (11/88) Hypothetical reference circuits for sound-programme transmissions

ITU-T Rec. J.12 (11/88) Types of sound-programme circuits established over the international telephone network

ITU-T Rec. J.13 - Definitions for international sound-programme circuits

ITU-T Rec. J.14 (11/88) Relative levels and impedances on an international sound-programme connection

ITU-T Rec. J.15 (11/88) Lining-up and monitoring an international sound-programme connection

ITU-T Rec. J.16 - Measurement of weighted noise in sound-programme circuits

ITU-T Rec. J.17 - Pre-emphasis used on sound-programme circuits

ITU-T Rec. J.18 - Crosstalk in sound-programme circuits set up on carrier systems

ITU-T Rec. J.19 (11/88) A conventional test signal simulating sound-programme signals for measuring interference in other channels

ITU-T Rec. J.21 (08/94) Performance characteristics of 15 kHz-type sound-programme circuits - Circuits for high quality monophonic and stereophonic transmissions

ITU-T Rec. J.23 (11/88) Performance characteristics of 7 kHz type (narrow-bandwidth) sound-programme circuits

ITU-T Rec. J.24 (02/82) Modulation of signals carried by sound-programme circuits by interfering signals from power supply sources

ITU-T Rec. J.25 (05/86) Estimation of transmission performance of sound-programme circuits shorter or longer than the hypothetical reference circuit

ITU-T Rec. J.26 (06/90) Test signals to be used on international sound-programme connections

ITU-T Rec. J.27 (06/90) Signals for the alignment of international sound-programme connections

ITU-T Rec. J.41 (11/88) Characteristics of equipment for the coding of analogue high quality sound programme signals for transmission on 384 kbit/s channels

ITU-T Rec. J.42 (11/88) Characteristics of equipment for the coding of analogue medium quality sound-programme signals for transmission on 384-kbit/s channels

ITU-T Rec. J.51 (08/94) General principles and user requirements for the digital transmission of high quality sound programmes

ITU-T Rec. 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)

ITU-T Rec. J.52 Amendment 1 (09/99) 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) - Amendment 1: New Appendix II - Extracts from EBU...

ITU-T Rec. J.53 (05/00) Sampling frequency to be used for the digital transmission of high-quality sound-programme signals - To be published

ITU-T Rec. J.54 (05/86) Transmission of analogue high-quality sound-programme signals on mixed analogue-and-digital circuits using 384 kbit/s channels

ITU-T Rec. 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

ITU-T Rec. J.57 Covering Note (12/96) Transmission of digital studio quality sound signals over H1 channels

ITU-T Rec. J.57 (06/90) Transmission of digital studio quality sound signals over H1 channels

ITU-T Rec. J.61 (06/90) Transmission performance of television circuits designed for use in international connections

ITU-T Rec. J.62 (02/78) Single value of the signal-to-noise ratio for all television systems

ITU-T Rec. J.63 (06/90) Insertion of test signals in the field-blanking interval of monochrome and colour television signals

ITU-T Rec. J.64 (05/86) Definitions of parameters for simplified automatic measurement of television insertion test signals

ITU-T Rec. J.65 (02/78) Standard test signal for conventional loading of a television channel

ITU-T Rec. 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

ITU-T Rec. J.67 (03/01) - Test signals and measurement techniques for transmission circuits carrying mac/packet signals - To be published

ITU-T Rec. J.68 (02/82) Hypothetical reference chain for television transmissions over very long distances

ITU-T Rec. J.80 (09/93) Transmission of component-coded digital television signals for contribution-

quality
applications at bit rates near 140 Mbit/s
ITU-T Rec. J.81 Corrigendum 1 (10/96) Transmission of component-coded digital television signals for
contribution-quality applications at the third hierarchical level of ITU-T Recommendation G.702
.ITU-T Rec. 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
ITU-T Rec. J.81 Amendment 1 (10/95) Appendix II to Annex A: Guidelines for implementation of a
complete television codec
ITU-T Rec. J.81 Amendment 2 (03/98) Appendix IV to Annex A - Results of 34 Mbit/s codec
interworking
tests (February 1996)
ITU-T Rec. J.82 (07/96) Transport of MPEG-2 constant bit rate television signals in B-ISDN
ITU-T Rec. J.83 Covering Note (04/97) Digital multi-programme systems for television sound and data
services for cable distribution
ITU-T Rec. J.83 (04/97) Digital multi-programme systems for television, sound and data services for
cable
distribution
ITU-T Rec. J.84 (03/01) Distribution of digital multi-programme signals for television, sound and data
services through SMATV networks - To be published
ITU-T Rec. J.84 Amendment 1 (03/01) Additions to Annex C - Digital multi-programme SMATV
system C -
To be published
ITU-T Rec. J.85 (06/90) Digital television transmission over long distances - General principles
ITU-T Rec. J.86 (06/90) Mixed analogue-and-digital transmission of analogue composite television
signals
over long distances
ITU-T Rec. J.87 (03/01) - Use of hybrid cable television links for the secondary distribution of
television
into the user's premises - To be published
ITU-T Rec. J.88 (09/99) Transmission of enhanced definition television signals over digital links
.ITU-T Rec. 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
ITU-T Rec. J.90 (05/00) Electronic programme guides for delivery by digital cable television and
similar
methods - To be published
ITU-T Rec. J.91 (08/94) Technical methods for ensuring privacy in long-distance international
television
transmission
ITU-T Rec. J.92 (04/97) Recommended operating guidelines for point-to-point transmission of
television
programmes
ITU-T Rec. J.93 (03/98) Requirements for conditional access in the secondary distribution of digital
television on cable television systems
ITU-T Rec. J.94 (11/98) Service information for digital broadcasting in cable television systems
ITU-T Rec. J.94 Amendment 1 (10/00) - Service information delivered out of band for digital cable
television systems - To be published
ITU-T Rec. J.94 Amendment 2 (03/01) Additions to Annex C - Service information for digital
multi-programme System C - To be published
ITU-T Rec. J.95 (09/99) Copy protection of intellectual property for content delivered on cable
television
systems
ITU-T Rec. J.96 (03/01) - Technical method for ensuring privacy in long-distance international MPEG-
2
television transmission conforming to Recommendation J.89 - To be published
ITU-T Rec. J.100 (06/90) Tolerances for transmission time differences between the vision and sound
components of a television signal
ITU-T Rec. J.101 (06/90) Measurement methods and test procedures for teletext signals
.ITU-T Rec. J.110 (04/97) Basic principles for a worldwide common family of systems for the
provision of
interactive television services

ITU-T Rec. J.111 (03/98) Network independent protocols for interactive systems
ITU-T Rec. J.112 (03/98) Transmission systems for interactive cable television services
ITU-T Rec. J.112 Amendment 1 (03/01) New Annexes A and B - To be published
ITU-T Rec. J.113 (03/98) Digital video broadcasting interaction channel through the PSTN/ISDN
ITU-T Rec. J.114 (09/99) Interaction channel using digital enhanced cordless telecommunications
ITU-T Rec. J.115 (09/99) Interaction channel using the global system for mobile communications
ITU-T Rec. J.116 (05/00) Interaction channel for local multipoint distribution systems - To be published
ITU-T Rec. J.117 (09/99) Home digital network interface specification
ITU-T Rec. J.118 (05/00) Access systems for interactive services on SMATV/MATV networks - To be published
ITU-T Rec. J.119 (10/00) - RF remodulator interface for digital television - To be published
ITU-T Rec. J.120 (05/00) Distribution of sound and television programs over the IP network - To be published
ITU-T Rec. J.131 (03/98) Transport of MPEG-2 signals in PDH networks
ITU-T Rec. J.132 (03/98) Transport of MPEG-2 signals in SDH networks
ITU-T Rec. J.140 (03/98) Subjective picture quality assessment for digital cable television systems
ITU-T Rec. J.141 (09/99) Performance indicators for data services delivered over digital cable television systems
ITU-T Rec. J.142 (05/00) Methods for the measurement of parameters in the transmission of digital cable television signals - To be published
ITU-T Rec. J.143 (05/00) User requirements for objective perceptual video quality measurements in digital cable television - To be published
ITU-T Rec. J.144 (03/01) - Objective perceptual video quality measurement techniques for digital cable television in the presence of a full reference - To be published
ITU-T Rec. J.145 (03/01) - Measurement and control of the quality of service for sound transmission over contribution and distribution network - To be published
ITU-T Rec. J.150 (03/98) Operational functionalities for the delivery of digital multiprogramme television, sound and data services through multichannel, multipoint distribution systems (MMDS)
ITU-T Rec. J.150 Amendment 1 (09/99) Additions to Recommendation J.150 to also encompass local multipoint distribution systems (LMDS)
ITU-T Rec. J.150 Amendment 2 (03/01) - Operational functionalities for the delivery of digital multiprogramme television, sound and data services through multichannel, multipoint distribution systems (MMDS) - To be published
ITU-T Rec. J.151 (11/00) RF remodulator interface for digital television - To be published
ITU-T Rec. J.161 (03/01) Audio codec requirements for the provision of bi-directional audio service over cable television networks using cable modems - To be published
ITU-T Rec. J.162 (03/01) Network call signalling protocol for the delivery of time critical services over cable television networks using cable modems - To be published
ITU-T Rec. J.163 (03/01) Dynamic quality of service for the provision of real time services over cable television networks using cable modems - To be published
ITU-T Rec. J.164 (03/01) IPCablecom event messages - To be published
ITU-T Rec. J.166 (03/01) IPCablecom management information base (MIB) framework - To be published
ITU-T Rec. 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 - To be published
ITU-T Rec. J.168 (03/01) IPCablecom Media Terminal Adapter (MTA) MIB requirements - To be published
ITU-T Rec. J.169 (03/01) IPCablecom network call signalling (NCS) MIB requirements - To be published
ITU-T Rec. J.180 (05/00) User requirements for statistical multiplexing of several programmes on a transmission channel - To be published
ITU-T Rec. J.181 (03/01) - Digital program insertion cueing message for cable television systems - To

be
published
ITU-T Rec. J.182 (03/01) Parameter sets for analogue interface specifications for the interconnection of set-top-boxes and presentation devices in home - To be published
ITU-T Rec. J.183 (03/01) Time division multiplexing of multiple MPEG-2 transport streams over cable television systems - To be published
ITU-T Rec. J.184 (03/01) Digital broadband delivery system: Out-of-band transport - To be published
ITU-T Rec. J.200 (03/01) Application environment for digital interactive television services - To be published
ITU-T Rec. J. Supplement 1 (11/98) Example of linking options between annexes of ITU-T Recommendation J.112 and annexes of ITU-T Recommendation J.83
.ITU-T Rec. J. Supplement 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...
ITU-T Rec. J. Supplement 3 (11/98) Guidelines for the implementation of Recommendation J.111 "Network independent protocols" - Example of Digital Video Broadcasting (DVB) systems for interactive services
ITU-T Rec. Series J Supplement 5 (09/1999) Guidelines on the use of some ITU-T Recommendations in the J series

Series K Protection against interference

ITU-T Rec. K.5 (11/88) Joint use of poles for electricity distribution and for telecommunications
ITU-T Rec. K.6 (11/88) Precautions at crossings
ITU-T Rec. K.7 (11/88) Protection against acoustic shock
ITU-T Rec. K.8 (11/88) Separation in the soil between telecommunication cables and earthing system of power facilities
ITU-T Rec. K.9 (11/88) Protection of telecommunication staff and plant against a large earth potential due to a neighbouring electric traction line
ITU-T Rec. K.10 (10/96) Low frequency interference due to unbalance about earth of telecommunication equipment
ITU-T Rec. K.11 (10/93) Principles of protection against overvoltages and overcurrents
ITU-T Rec. K.12 (02/2000) Characteristics of gas discharge tubes for the protection of telecommunications installations
ITU-T Rec. K.13 (11/88) Induced voltages in cables with plastic-insulated conductors
ITU-T Rec. K.14 (11/88) Provision of a metallic screen in plastic-sheathed cables
ITU-T Rec. K.15 (11/88) Protection of remote-feeding systems and line repeaters against lightning and interference from neighbouring electricity lines
ITU-T Rec. K.16 (11/88) Simplified calculation method for estimating the effect of magnetic induction from power lines on remote-fed repeaters in coaxial pair telecommunication systems
ITU-T Rec. K.17 (11/88) Tests on power-fed repeaters using solid-state devices in order to check the arrangements for protection from external interference
.ITU-T Rec. K.18 (11/88) Calculation of voltage induced into telecommunication lines from radio station broadcasts and methods of reducing interference
ITU-T Rec. K.19 (11/88) Joint use of trenches and tunnels for telecommunication and power cables
ITU-T Rec. K.20 (02/2000) Resistibility of telecommunication equipment installed in a telecommunications centre to overvoltages and overcurrents
ITU-T Rec. K.21 (10/00) - Resistibility of telecommunication equipment installed in customer's premises to

overvoltages and overcurrents - To be published
ITU-T Rec. K.22 (05/95) Overvoltage resistibility of equipment connected to an ISDN T/S bus
ITU-T Rec. K.23 (11/88) Types of induced noise and description of noise voltage parameters for ISDN basic user networks
ITU-T Rec. K.24 (11/88) Method for measuring radio-frequency induced noise on telecommunications pairs
ITU-T Rec. K.25 (02/2000) Protection of optical fibre cables
ITU-T Rec. K.26 (11/88) Protection of telecommunication lines against harmful effects from electric power and electrified railway lines
ITU-T Rec. K.27 (05/96) Bonding configurations and earthing inside a telecommunication building
ITU-T Rec. K.28 (03/93) Characteristics of semi-conductor arrester assemblies for the protection of telecommunications installations
ITU-T Rec. K.29 (01/92) Coordinated protection schemes for telecommunications cables below ground
ITU-T Rec. K.30 (03/93) Positive temperature coefficient (PTC) thermistors.

ITU-T Rec. K.31 (03/93) Bonding configurations and earthing of telecommunication installations inside a subscriber's building
ITU-T Rec. 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
ITU-T Rec. K.34 (02/2000) ITU-T Rec. K.34 (02/2000) Classification of electromagnetic environmental conditions for telecommunication equipment - Basic EMC Recommendation
ITU-T Rec. K.35 (05/96) Bonding configurations and earthing at remote electronic sites
ITU-T Rec. K.36 (05/96) Selection of protective devices
ITU-T Rec. K.37 (02/99) Low and high frequency EMC mitigation techniques for telecommunication installations and systems - Basic EMC Recommendation
ITU-T Rec. K.38 (10/96) Radiated emission test procedure for physically large systems
ITU-T Rec. K.39 (10/96) Risk assessment of damages to telecommunication sites due to lightning discharges
ITU-T Rec. K.40 (10/96) Protection against LEMP in telecommunications centres
ITU-T Rec. K.41 (05/98) Resistibility of internal interfaces of telecommunication centres to surge overvoltages
ITU-T Rec. K.42 (05/98) Preparation of emission and immunity requirements for telecommunication equipment - General principles
ITU-T Rec. K.43 Corrigendum 1 (02/2000) Immunity requirements for telecommunication equipment - Corrigendum 1
ITU-T Rec. K.43 (05/98) Immunity requirements for telecommunication equipment.

ITU-T Rec. K.44 (02/2000) Resistibility tests for telecommunication equipment exposed to overvoltages and overcurrents - Basic Recommendation
ITU-T Rec. K.45 (02/2000) Resistibility of access network equipment to overvoltages and overcurrents
ITU-T Rec. K.46 (12/00) - Protection of telecommunication lines using metallic symmetric conductors against lightning induced surges - To be published
ITU-T Rec. K.47 (12/00) - Protection of telecommunication lines using metallic conductors against direct lightning discharges - To be published
ITU-T Rec. K.48 (02/2000) EMC requirements for each telecommunication network equipment - Product family Recommendation
ITU-T Rec. K.49 (02/2000) Test condition and performance criteria for voice terminal subject to disturbance from digital mobile phone
ITU-T Rec. K.50 (02/2000) Safe limits of operating voltages and currents for telecommunication systems powered over the network
ITU-T Rec. K.51 (02/2000) Safety criteria for telecommunication equipment

ITU-T Rec. K.52 (02/2000) Guidance on complying with limits for human exposure to electromagnetic fields
ITU-T Rec. K.53 (02/2000) Values of induced voltages on telecommunication installations to establish telecom and a.c. power and railway operators responsibilities
ITU-T Rec. K.54 (10/00) - Conducted immunity test method and level at fundamental power frequencies -
To be published

Series L Construction, installation and protection of cables and other elements of outside plant

ITU-T Rec. L.1 (11/88) Construction, installation and protection of telecommunication cables in public networks
ITU-T Rec. L.2 (11/88) Impregnation of wooden poles
ITU-T Rec. L.3 (11/88) Armouring of cables
ITU-T Rec. L.4 (11/88) Aluminium cable sheaths
ITU-T Rec. L.5 (11/88) Cable sheaths made of metals other than lead or aluminium
ITU-T Rec. L.6 (11/88) Methods of keeping cables under gas pressure
ITU-T Rec. L.7 (11/88) Application of joint cathodic protection
ITU-T Rec. L.8 (11/88) Corrosion caused by alternating current
ITU-T Rec. L.9 (11/88) Methods of terminating metallic cable conductors
ITU-T Rec. L.10 (11/88) Optical fibre cables for duct, tunnel, aerial and buried application
ITU-T Rec. L.11 (11/88) Joint use of tunnels by pipelines and telecommunication cables, and the standardization of underground duct plans
ITU-T Rec. L.12 (05/00) Optical fibre joints - To be published
ITU-T Rec. L.13 (07/92) Sheath joints and organizers of optical fibre cables in the outside plant
ITU-T Rec. L.14 (07/92) Measurement method to determine the tensile performance of optical fibre cables under load
ITU-T Rec. L.15 (03/93) Optical local distribution networks - Factors to be considered for their construction
ITU-T Rec. L.16 (03/93) Conductive plastic material (CPM) as protective covering for metal cable sheaths
ITU-T Rec. L.17 (06/95) Implementation of connecting customers into the public switched telephone network (PSTN) via optical fibres
ITU-T Rec. L.17 Appendix 1 (02/97) Implementation of connecting customers into the public switched telephone network (PSTN) via optical fibres - Appendix I: Examples of possible applications
ITU-T Rec. L.18 (10/96) Sheath closures for terrestrial copper telecommunication cables
ITU-T Rec. L.19 (10/00) - Copper networks for new services and systems ISDN, HDSL, ADSL and UADSL - To be published
ITU-T Rec. L.20 (10/96) Creation of a fire security code for telecommunication facilities
ITU-T Rec. L.21 (10/96) Fire detection and alarm systems, detector and sounder devices
ITU-T Rec. L.22 (10/96) Fire protection
ITU-T Rec. L.23 (10/96) Fire extinction - Classification and location of fire extinguishing installations and equipment on premises
ITU-T Rec. L.24 (10/96) Classification of outside plant waste
ITU-T Rec. L.25 (10/96) Optical fibre cable network maintenance
ITU-T Rec. L.26 (10/96) Optical fibre cables for aerial application
ITU-T Rec. L.27 (10/96) Method for estimating the concentration of hydrogen in optical fibre cables
ITU-T Rec. L.28 (10/96) External additional protection for maritized terrestrial cables
ITU-T Rec. L.29 (10/96) As-laid report and maintenance/repair log for maritized terrestrial cable installation
ITU-T Rec. L.30 (10/96) Markers on maritized terrestrial cables
ITU-T Rec. L.31 (10/96) Optical fibre attenuators
ITU-T Rec. L.32 (10/98) Protection devices for through-cable penetrations of fire-sector partitions
ITU-T Rec. L.33 (10/98) Periodic control of fire extinction devices in telecommunication buildings

ITU-T Rec. L.34 (10/98) Installation of Optical Fibre Ground Wire (OPGW) cable
 ITU-T Rec. L.35 (10/98) Installation of optical fibre cables in the access network
 ITU-T Rec. L.36 (10/98) Single mode fibre optic connectors
 ITU-T Rec. L.37 (10/98) Fibre optic (non-wavelength selective) branching devices
 ITU-T Rec. L.38 (09/99) Use of trenchless techniques for the construction of underground infrastructures
 for telecommunication cable installation
 ITU-T Rec. L.39 (05/00) Investigation of the soil before using trenchless techniques - To be published
 ITU-T Rec. L.40 (10/00) - Optical fibre outside plant maintenance support, monitoring and testing system -
 To be published
 ITU-T Rec. L.41 (05/2000) Maintenance wavelength on fibres carrying signals
 ITU-T Rec. L.44 (10/00) - Electric power supply for equipment installed as outside plant - To be published
 ITU-T Rec. L.45 (10/00) - Minimizing the effect on the environment from the outside plant in telecommunication networks - To be published
 ITU-T Rec. L.46 (10/00) - Protection of telecommunication cables and plant from biological attack - To be published
 ITU-T Rec. L.47 (10/00) - Access facilities using hybrid fibre/copper networks - To be published

Series M TMN and network maintenance:international transmission systems,telephone circuits,telegraphy, facsimile and leased circuits

ITU-T Rec. M.10 (10/92) Scope and application of Recommendations for maintenance of telecommunication networks and services
 ITU-T Rec. M.15 (11/88) Maintenance considerations for new systems
 ITU-T Rec. M.20 (10/92) Maintenance philosophy for telecommunications networks
 ITU-T Rec. M.21 (10/92) Maintenance philosophy for telecommunication services
 ITU-T Rec. M.32 (11/88) Principles for using alarm information for maintenance of international transmission systems and equipment
 ITU-T Rec. M.34 (11/88) Performance monitoring on international transmission systems and equipment
 ITU-T Rec. M.35 (11/88) Principles concerning line-up and maintenance limits
 ITU-T Rec. M.50 (11/88) Use of telecommunication terms for maintenance
 ITU-T Rec. M.60 (03/93) Maintenance terminology and definitions
 ITU-T Rec. M.70 (11/88) Guiding principles on the general maintenance organization for telephone-type international circuits
 ITU-T Rec. M.75 (10/92) Technical service
 ITU-T Rec. M.80 (11/88) Control stations
 ITU-T Rec. M.85 (10/92) Fault report points
 ITU-T Rec. M.90 (11/88) Sub-control stations
 ITU-T Rec. M.100 (11/88) Service circuits
 ITU-T Rec. M.110 (11/88) Circuit testing
 ITU-T Rec. M.120 (11/88) Access points for maintenance
 ITU-T Rec. M.125 (11/88) Digital loopback mechanisms
 ITU-T Rec. M.160 (11/88) Stability of transmission
 ITU-T Rec. M.320 (11/88) Numbering of the channels in a group
 ITU-T Rec. M.330 (11/88) Numbering of groups within a supergroup
 ITU-T Rec. M.340 (11/88) Numbering of supergroups within a mastergroup
 ITU-T Rec. M.350 (11/88) Numbering of mastergroups within a supermastergroup
 ITU-T Rec. M.380 (11/88) Numbering in coaxial systems
 ITU-T Rec. M.390 (11/88) Numbering in systems on symmetric pair cable
 ITU-T Rec. M.400 (11/88) Numbering in radio-relay links or open-wire line systems
 ITU-T Rec. M.410 (11/88) Numbering of digital blocks in transmission systems
 ITU-T Rec. M.450 (11/88) Bringing a new international transmission system into service

ITU-T Rec. M.460 (11/88) Bringing international group, supergroup, etc., links into service

ITU-T Rec. M.470 (11/88) Setting up and lining up analogue channels for international telecommunication services

ITU-T Rec. M.475 (11/88) Setting up and lining up mixed analogue/digital channels for international telecommunication services

ITU-T Rec. M.495 (11/88) Transmission restoration and transmission route diversity: Terminology and general principles

ITU-T Rec. M.496 (11/88) Functional organization for automatic transmission restoration

ITU-T Rec. M.500 (11/88) Routine maintenance measurements to be made on regulated line sections

ITU-T Rec. M.510 (11/88) Readjustment to the nominal value of a regulated line section (on a symmetric pair line, a coaxial line or a radio-relay link)

ITU-T Rec. M.520 (11/88) Routine maintenance on international group, supergroup, etc., links

ITU-T Rec. M.525 (11/88) Automatic maintenance procedures for international group, supergroup, etc., links

ITU-T Rec. M.530 (11/88) Readjustment to the nominal value of an international group, supergroup, etc., link

ITU-T Rec. M.535 (11/88) Special maintenance procedures for multiple destination, unidirectional (MU) group and supergroup links

ITU-T Rec. M.540 (11/88) Routine maintenance of carrier and pilot generating equipment

ITU-T Rec. M.556 (11/88) Setting up and initial testing of digital channels on an international digital path or block

ITU-T Rec. M.560 (11/88) International telephone circuits - Principles, definitions and relative transmission levels

ITU-T Rec. M.562 (11/88) Types of circuit and circuit section

ITU-T Rec. M.565 (11/88) Access points for international telephone circuits

ITU-T Rec. M.570 (11/88) Constitution of the circuit; preliminary exchange of information

ITU-T Rec. M.580 (11/88) Setting up and lining up an international circuit for public telephony

ITU-T Rec. M.585 (11/88) Bringing an international digital circuit into service

ITU-T Rec. M.590 (11/88) Setting up and lining up a circuit fitted with a compandor

ITU-T Rec. M.600 (11/88) Organization of routine maintenance measurements on circuits

ITU-T Rec. M.605 (11/88) Routine maintenance schedule for international public telephony circuits

ITU-T Rec. M.610 (11/88) Periodicity of maintenance measurements on circuits

ITU-T Rec. M.620 (11/88) Methods for carrying out routine measurements on circuits

ITU-T Rec. M.630 (11/88) Maintenance of circuits using control chart methods

ITU-T Rec. M.650 (11/88) Routine line measurements to be made on the line repeaters of audio-frequency sections or circuits

ITU-T Rec. M.660 (11/88) Periodical in-station tests of echo suppressors complying with Recommendations G.161 and G.164

ITU-T Rec. M.665 (11/88) Testing of echo cancellers

ITU-T Rec. M.670 (11/88) Maintenance of a circuit fitted with a compandor

ITU-T Rec. M.675 (11/88) Lining up and maintaining international demand assignment circuits (SPADE)

ITU-T Rec. M.710 (11/88) Performance monitoring on international transmission systems and equipment

ITU-T Rec. M.715 (11/88) Fault report point (circuit)

ITU-T Rec. M.716 (11/88) Fault report point (network)

ITU-T Rec. M.717 (11/88) Testing point (transmission)

ITU-T Rec. M.718 (11/88) Testing point (line signalling)

ITU-T Rec. M.719 (11/88) Testing point (switching and interregister signalling)

ITU-T Rec. M.720 (11/88) Network analysis point

ITU-T Rec. M.721 (11/88) System availability information point

ITU-T Rec. M.722 (11/80) Network management point

ITU-T Rec. M.723 (11/88) Circuit control station

ITU-T Rec. M.724 (11/88) Circuit sub-control station

ITU-T Rec. M.725 (11/88) Restoration control point

ITU-T Rec. M.726 (11/88) Maintenance organization for the wholly digital international automatic and semi-automatic telephone service

ITU-T Rec. M.729 (11/88) Organization of the maintenance of international public switched telephone circuits used for data transmission

ITU-T Rec. M.730 (11/88) Maintenance methods

ITU-T Rec. M.731 (11/88) Subjective testing

ITU-T Rec. M.732 (11/88) Signalling and switching routine maintenance tests and measurements

ITU-T Rec. M.733 (11/88) Transmission routine maintenance measurements on automatic and semi-automatic telephone circuits

ITU-T Rec. M.734 (11/88) Exchange of information on incoming test facilities at international switching centres

ITU-T Rec. M.760 (11/88) Transfer link for common channel Signalling System No. 6

ITU-T Rec. M.762 (11/88) Maintenance of common channel Signalling System No. 6

ITU-T Rec. M.800 (11/88) Use of circuits for voice-frequency telegraphy

ITU-T Rec. M.810 (11/88) Setting up and lining up an international voice-frequency telegraph link for public telegraph circuits (for 50, 100 and 200 baud modulation rates)

ITU-T Rec. M.820 (11/88) Periodicity of routine tests on international voice-frequency telegraph links

ITU-T Rec. M.830 (11/88) Routine measurements to be made on international voice-frequency telegraph links

ITU-T Rec. M.850 (11/88) International time division multiplex (TDM) telegraph systems

ITU-T Rec. M.880 (11/88) International phototelegraph transmission

ITU-T Rec. M.900 (11/88) Use of leased group and supergroup links for wide-spectrum signal transmission (data, facsimile, etc.)

ITU-T Rec. M.910 (11/88) Setting up and lining up an international leased group link for wide-spectrum signal transmission

ITU-T Rec. M.1010 (11/88) Constitution and nomenclature of international leased circuits

ITU-T Rec. M.1012 (11/88) Circuit control station for leased and special circuits

ITU-T Rec. M.1013 (11/88) Sub-control station for leased and special circuits

ITU-T Rec. M.1014 (11/88) Transmission maintenance point (international line) (TMP-IL)

ITU-T Rec. M.1015 (11/88) Types of transmission on leased circuits

ITU-T Rec. M.1016 (11/88) Assessment of the service availability performance of international leased circuits

ITU-T Rec. M.1020 (03/93) Characteristics of special quality international leased circuits with special bandwidth conditioning

ITU-T Rec. M.1025 (03/93) Characteristics of special quality international leased circuits with basic bandwidth conditioning

ITU-T Rec. M.1030 (11/88) Characteristics of ordinary quality international leased circuits forming part of private switched telephone networks

ITU-T Rec. M.1040 (11/88) Characteristics of ordinary quality international leased circuits

ITU-T Rec. M.1045 (05/96) Preliminary exchange of information for the provision of international leased circuits and international data transmission systems

ITU-T Rec. M.1050 (06/98) Lining up an international point-to-point leased circuit with analogue presentation to the user

ITU-T Rec. M.1055 (11/88) Lining up an international multiterminal leased circuit

ITU-T Rec. M.1060 (11/88) Maintenance of international leased circuits

ITU-T Rec. M.1130 (10/92) General definitions and general principles of operation/maintenance procedures to be used in satellite mobile systems

ITU-T Rec. M.1140 (10/92) Maritime mobile telecommunication services via satellite

ITU-T Rec. M.1150 (04/97) Maintenance aspects of maritime/land mobile telecommunication store-and-forward services (packet mode) via satellite

ITU-T Rec. M.1160 (04/97) Maintenance aspects of aeronautical mobile telecommunication service via satellite

ITU-T Rec. M.1170 (04/97) Maintenance aspects of mobile digital telecommunication service via satellite

ITU-T Rec. M.1230 (05/96) Method to improve the management of operations and maintenance

processes in
the International Telephone Network
ITU-T Rec. M.1235 (11/88) Use of automatically generated test calls for assessment of network
performance
ITU-T Rec. M.1300 (10/97) Maintenance of international data transmission systems operating in the
range
2.4 kbit/s to 140 Mbit/s
ITU-T Rec. M.1301 (01/01) - General description and operational procedures for international SDH
leased
circuits - To be published
ITU-T Rec. M.1320 (11/88) Numbering of channels in data transmission systems
ITU-T Rec. M.1340 (02/2000) Performance objectives, allocations and limits for international PDH
leased
circuits and supporting data transmission links and systems
.ITU-T Rec. M.1350 (11/88) Setting up, lining up and characteristics of international data transmission
systems operating in the range 2.4 kbit/s to 14.4 kbit/s
ITU-T Rec. M.1355 (11/88) Maintenance of international data transmission systems operating in the
range
2.4 to 14.4 kbit/s
ITU-T Rec. M.1370 (06/98) Bringing-into-service of international data transmission systems
ITU-T Rec. M.1375 (06/98) Maintenance of international data transmission systems
ITU-T Rec. M.1380 (02/2000) Bringing-into-service of international leased circuits that are supported
by
international data transmission systems
ITU-T Rec. M.1385 (02/2000) Maintenance of international leased circuits that are supported by
international data transmission systems
ITU-T Rec. M.1400 (02/2000) Designations for inter-operator networks
ITU-T Rec. M.1510 (10/92) Exchange of contact point information for the maintenance of international
services and the international network
ITU-T Rec. M.1520 (10/92) Standardized information exchange between Administrations
ITU-T Rec. M.1530 (03/99) Network maintenance information
ITU-T Rec. M.1532 (02/2000) Network maintenance service performance agreement (MSPA)
ITU-T Rec. M.1535 (05/96) Principles for maintenance information to be exchanged at customer
contact
point (MICC)
ITU-T Rec. M.1537 (10/97) Definition of maintenance information to be exchanged at customer
contact
point (MICC)
.ITU-T Rec. M.1539 (03/99) Management of the grade of network maintenance services at the
maintenance
service customer contact point (MSCC)
ITU-T Rec. M.1540 (10/94) Exchange of information for planned outages of transmission systems
ITU-T Rec. M.1550 (10/92) Escalation procedure
ITU-T Rec. M.1560 (10/92) Escalation procedure for international leased circuits
ITU-T Rec. M.2100 (07/95) Performance limits for bringing-into-service and maintenance of
international
PDH paths, sections and transmission systems
ITU-T Rec. M.2101 (06/2000) Performance limits and objectives for bringing-into-service and
maintenance of
international SDH paths and multiplex sections
ITU-T Rec. M.2101.1 (04/97) Performance limits for bringing-into-service and maintenance of
international
SDH paths and multiplex sections
ITU-T Rec. M.2102 (02/00) Maintenance thresholds and procedures for recovery mechanisms
(protection and
restoration) of international SDH VC trails (paths) and multiplex sections - To be published
ITU-T Rec. M.2110 (04/97) Bringing-into-service of international PDH paths, sections and
transmission
systems and SDH paths and multiplex sections
ITU-T Rec. M.2120 (02/2000) PDH path, section and transmission system and SDH path and multiplex
section fault detection and localization procedures
ITU-T Rec. M.2130 (02/00) - Operational procedures for the maintenance of the transport network - To
be

published
ITU-T Rec. M.2140 (02/00) Transport network event correlation - To be published
.ITU-T Rec. M.2201 (03/01) Performance objectives, allocations and limits for international ATM permanent and semi-permanent virtual path and virtual path connection - To be published
ITU-T Rec. M.3000 (02/2000) Overview of TMN Recommendations
ITU-T Rec. M.3010 Addendum 1 (06/98) TMN conformance and TMN compliance
ITU-T Rec. M.3010 (02/2000) Principles for a telecommunications management network
ITU-T Rec. M.3013 (02/2000) Considerations for a telecommunications management network
ITU-T Rec. M.3016 (06/98) TMN security overview
ITU-T Rec. M.3020 (02/2000) TMN interface specification methodology
ITU-T Rec. M.3100 Corrigendum 1 (07/98) Generic network information model
ITU-T Rec. M.3100 Corrigendum 2 (01/01) - Generic network information model - To be published
ITU-T Rec. M.3100 (07/95) Generic network information model
ITU-T Rec. M.3100 Amendment 1 (03/99) Generic Network Information Model - Amendment 1
ITU-T Rec. M.3100 Amendment 2 (02/2000) Generic network information model - Amendment 2
ITU-T Rec. M.3100 Amendment 3 (01/01) - Definition of the management interface for a generic Alarm Reporting Control (ARC) Feature - To be published
ITU-T Rec. M.3101 (07/95) Managed object conformance statements for the generic network information model
.ITU-T Rec. M.3108.1 Corrigendum 1 (01/01) - Information model for management of leased circuit and reconfigurable services - To be published
ITU-T Rec. M.3108.1 (03/99) Information model for management of leased circuit and reconfigurable services
ITU-T Rec. M.3108.2 (02/2000) 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
ITU-T Rec. M.3108.3 (01/01) - Information model for management of virtual private network service - To be published
ITU-T Rec. M.3120 (01/01) - CORBA generic network and NE level information model - To be published
ITU-T Rec. M.3180 (10/92) Catalogue of TMN management information
ITU-T Rec. M.3200 (04/97) TMN management services and telecommunications managed areas: overview
ITU-T Rec. M.3207.1 (05/96) TMN management service: maintenance aspects of B-ISDN management
ITU-T Rec. M.3208.1 Corrigendum 1(02/00) TMN management services for dedicated and reconfigurable circuits network: Leased circuit services - To be published
ITU-T Rec. M.3208.1 (10/97) TMN management services for dedicated and reconfigurable circuits network:
Leased circuit services
ITU-T Rec. M.3208.2 Corrigendum 1 (01/01) - TMN management services for dedicated and reconfigurable circuits network: Connection management of pre-provisioned service link connections to form a leased circuit service - To be published
ITU-T Rec. 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
.ITU-T Rec. M.3208.3 (02/2000) TMN management services for dedicated and reconfigurable circuits network:
Virtual private network service
ITU-T Rec. M.3210.1 (01/01) - TMN management services for IMT-2000 security management - To be published
ITU-T Rec. M.3211.1 (05/96) TMN management service: Fault and performance management of the ISDN access

ITU-T Rec. M.3300 (06/98) TMN F interface requirements
ITU-T Rec. M.3320 (04/97) Management requirements framework for the TMN X-Interface
ITU-T Rec. M.3400 (02/00) TMN management functions - To be published
ITU-T Rec. M.3600 (10/92) Principles for the management of ISDNs
ITU-T Rec. M.3602 (10/92) Application of maintenance principles to ISDN subscriber installations
ITU-T Rec. M.3603 (10/92) Application of maintenance principles to ISDN basic rate access
ITU-T Rec. M.3604 (10/92) Application of maintenance principles to ISDN primary rate access
ITU-T Rec. M.3605 (10/92) Application of maintenance principles to static multiplexed ISDN basic rate access
ITU-T Rec. M.3610 (05/96) Principles for applying the TMN concept to the management of B-ISDN
ITU-T Rec. M.3611 (04/97) Test management of the B-ISDN ATM layer using the TMN
ITU-T Rec. M.3620 (10/92) Principles for the use of ISDN test calls, systems and responders
ITU-T Rec. M.3621 (07/95) Integrated management of the ISDN customer access
ITU-T Rec. M.3640 (10/92) Management of the D-channel - Data link layer and network layer
ITU-T Rec. M.3641 (10/94) Management information model for the management of the data link and network layer of the ISDN D-channel
ITU-T Rec. M.3650 (04/97) Network performance measurements of ISDN calls
ITU-T Rec. M.3660 (10/92) ISDN interface management services
ITU-T Rec. M.4010 (10/92) Inter-Administration agreements on common channel Signalling System No. 6
ITU-T Rec. M.4030 (10/92) Transmission characteristics for setting up and lining up a transfer link for common channel Signalling System No. 6 (analogue version)
ITU-T Rec. M.4100 (05/96) Maintenance of common channel Signalling System No. 7
ITU-T Rec. M.4110 (05/96) Inter-Administration agreements on common channel Signalling System No. 7

Series N Maintenance:international sound programme and television transmission circuits

ITU-T Rec. N.1 (03/93) Definitions for application to international sound-programme and television-sound transmission
ITU-T Rec. N.2 (11/88) Different types of sound-programme circuit
ITU-T Rec. N.3 (11/88) Control circuits
ITU-T Rec. N.4 (11/88) Definition and duration of the line-up period and the preparatory period
ITU-T Rec. N.5 (11/88) Sound-programme control, sub-control and send reference stations
ITU-T Rec. N.10 (03/93) Limits for the lining-up of international sound-programme links and connections
ITU-T Rec. N.11 (11/88) Essential transmission performance objectives for international sound-programme centres (ISPC)
ITU-T Rec. N.12 (11/88) Measurements to be made during the line-up period that precedes a sound-programme transmission
ITU-T Rec. N.13 (11/88) Measurements to be made by the broadcasting organizations during the preparatory period
ITU-T Rec. N.15 (11/88) Maximum permissible power during an international sound-programme transmission
ITU-T Rec. N.16 (11/88) Identification signal
ITU-T Rec. N.17 (11/88) Monitoring the transmission
ITU-T Rec. N.18 (11/88) Monitoring for charging purposes, releasing
ITU-T Rec. N.21 (11/88) Limits and procedures for the lining-up of a sound-programme circuit
ITU-T Rec. N.23 (11/88) Maintenance measurements to be made on international sound-programme circuits
ITU-T Rec. N.51 (11/88) Definitions for application to international television transmissions
ITU-T Rec. N.52 (11/88) Multiple destination television transmissions and coordination centres
ITU-T Rec. N.54 (11/88) Definition and duration of the line-up period and the preparatory period
ITU-T Rec. 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
ITU-T Rec. N.60 (03/93) Nominal amplitude of video signals at video interconnection points
ITU-T Rec. N.61 (11/88) Measurements to be made before the line-up period that precedes a television transmission
ITU-T Rec. N.62 (03/93) Tests to be made during the line-up period that precedes a television transmission
ITU-T Rec. N.63 (11/88) Test signals to be used by the broadcasting organizations during the preparatory period
ITU-T Rec. N.64 (11/88) Quality and impairment assessment
ITU-T Rec. N.67 (03/93) Monitoring television transmissions - Use of the field blanking interval
ITU-T Rec. N.73 (11/88) Maintenance of permanent international television circuits, links and connections

Series O Specifications of measuring equipment of measuring equipment

ITU-T Rec. O.1 (02/00) Scope and application of measurement equipment specifications covered in the O-series Recommendations - To be published
ITU-T Rec. O.3 (10/92) Climatic conditions and relevant tests for measuring equipment
ITU-T Rec. O.6 (11/88) 1020 Hz reference test frequency
ITU-T Rec. O.9 (03/99) Measuring arrangements to assess the degree of unbalance about earth
ITU-T Rec. O.11 (10/92) Maintenance access lines
ITU-T Rec. O.22 (10/92) CCITT automatic transmission measuring and signalling testing equipment
ATME No.
2
ITU-T Rec. O.27 (11/88) In-station echo canceller test equipment
ITU-T Rec. O.33 (07/95) Automatic equipment for rapidly measuring stereophonic pairs and monophonic sound-programme circuits, links and connections
ITU-T Rec. O.41 (10/94) Psophometer for use on telephone-type circuits
ITU-T Rec. O.42 (11/88) Equipment to measure non-linear distortion using the 4-tone intermodulation method
ITU-T Rec. O.61 (11/88) Simple equipment to measure interruptions on telephone-type circuits
ITU-T Rec. O.62 (11/88) Sophisticated equipment to measure interruptions on telephone-type circuits
ITU-T Rec. O.71 (11/88) Impulsive noise measuring equipment for telephone-type circuits
ITU-T Rec. O.72 (10/84) Characteristics of an impulsive noise measuring instrument for wideband data transmissions
ITU-T Rec. O.81 (11/88) Group-delay measuring equipment for telephone-type circuits
ITU-T Rec. O.81 Appendix I/Covering Note (06/98) A measuring signal (multitone test signal) for fast measurement of amplitude and phase for telephone type circuits
ITU-T Rec. O.81 Appendix I (06/98) Group-delay measuring equipment for telephone-type circuits - Appendix I: A measuring signal (multitone test signal) for fast measurement of amplitude and phase for telephone type circuits
ITU-T Rec. O.82 (11/88) Group-delay measuring equipment for the range 5 to 600 kHz
ITU-T Rec. O.91 (11/88) Phase jitter measuring equipment for telephone-type circuits
ITU-T Rec. O.95 (11/88) Phase and amplitude hit counters for telephone-type circuits
ITU-T Rec. O.111 (11/88) Frequency shift measuring equipment for use on carrier channels
ITU-T Rec. O.131 (11/88) Quantizing distortion measuring equipment using a pseudo-random noise test signal
ITU-T Rec. O.132 (11/88) Quantizing distortion measuring equipment using a sinusoidal test signal
ITU-T Rec. O.133 (03/93) Equipment for measuring the performance of PCM encoders and decoders
ITU-T Rec. O.150 (05/96) General requirements for instrumentation for performance measurements on digital transmission equipment
ITU-T Rec. O.151 (10/92) Error performance measuring equipment operating at the primary rate and above
ITU-T Rec. O.152 (10/92) Error performance measuring equipment for bit rates of 64 kbit/s and

N x 64 kbit/s

.ITU-T Rec. O.153 (10/92) Basic parameters for the measurement of error performance at bit rates below

the primary rate

ITU-T Rec. O.161 (11/88) In-service code violation monitors for digital systems

ITU-T Rec. O.162 (10/92) Equipment to perform in-service monitoring on 2048, 8448, 34 368 and 139 264 kbit/s signals

ITU-T Rec. O.163 (11/88) Equipment to perform in-service monitoring on 1544 kbit/s signals

ITU-T Rec. O.171 (04/97) Timing jitter and wander measuring equipment for digital systems which are based on the plesiochronous digital hierarchy (PDH)

ITU-T Rec. O.172 (03/01) - Jitter and wander measuring equipment for digital systems which are based on

the synchronous digital hierarchy (SDH) - To be published

ITU-T Rec. O.181 (05/96) Equipment to assess error performance on STM-N interfaces

ITU-T Rec. O.191 (02/00) Equipment to measure the cell transfer performance of ATM connections

Series P Telephone transmission quality, telephone installations, local line networks

ITU-T Rec. P.10 (12/98) Vocabulary of terms on telephone transmission quality and telephone sets

ITU-T Rec. P.11 (03/93) Effect of transmission impairments

ITU-T Rec. P.16 (11/88) Subjective effects of direct crosstalk; thresholds of audibility and intelligibility

ITU-T Rec. P.30 (11/88) Transmission performance of group audio terminals (GATs)

ITU-T Rec. P.32 (11/88) Evaluation of the efficiency of telephone booths and acoustic hoods

ITU-T Rec. P.34 - See Recommendation P.340

ITU-T Rec. P.38 (03/93) Transmission characteristics of operator telephone systems (OTS)

ITU-T Rec. P.48 (11/88) Specification for an intermediate reference system

ITU-T Rec. P.50 Covering Note (09/99) Artificial voices

ITU-T Rec. P.50 (09/99) Artificial voices

ITU-T Rec. P.50 Appendix I (02/98) Artificial voices - Appendix I: Test signals

ITU-T Rec. P.51 (08/96) Artificial mouth

ITU-T Rec. P.52 (03/93) Volume meters

ITU-T Rec. P.53 (10/94) Psophometer for use on telephone-type circuits

ITU-T Rec. P.54 (11/88) Sound level meters (apparatus for the objective measurement of room noise)

ITU-T Rec. P.55 (11/88) Apparatus for the measurement of impulsive noise

.ITU-T Rec. P.56 (03/93) Objective measurement of active speech level

ITU-T Rec. P.57 (08/96) Artificial ears

ITU-T Rec. P.58 (08/96) Head and torso simulator for telephonometry

ITU-T Rec. P.59 (03/93) Artificial conversational speech

ITU-T Rec. P.61 (11/88) Methods for the calibration of condenser microphones

ITU-T Rec. P.64 Covering Note (09/99) Determination of sensitivity/frequency characteristics of local telephone systems

ITU-T Rec. P.64 (09/99) Determination of sensitivity/frequency characteristics of local telephone systems

ITU-T Rec. P.75 (11/88) Standard conditioning method for handsets with carbon microphones

ITU-T Rec. P.76 (11/88) Determination of loudness ratings; fundamental principles

ITU-T Rec. P.78 (02/96) Subjective testing method for determination of loudness ratings in accordance with

Recommendation P.76

ITU-T Rec. P.79 Covering note 2 (09/99) Calculation of loudness ratings for telephone sets

ITU-T Rec. P.79 Covering Note (09/99) Calculation of loudness ratings for telephone sets

ITU-T Rec. P.79 (09/99) Calculation of loudness ratings for telephone sets

ITU-T Rec. P.82 (11/88) Method for evaluation of service from the standpoint of speech transmission quality

.ITU-T Rec. P.84 (03/93) Subjective listening test method for evaluating digital circuit multiplication and

packetized voice systems

ITU-T Rec. P.85 (06/94) A method for subjective performance assessment of the quality of speech voice output devices

ITU-T Rec. P.310 (05/2000) Transmission characteristics for telephone band (300-3400 Hz) digital telephones

ITU-T Rec. P.311 (02/98) Transmission characteristics for wideband (150-7000 Hz) digital handset telephones

ITU-T Rec. P.313 (09/99) Transmission characteristics for cordless and mobile digital terminals

ITU-T Rec. P.340 (05/00) Transmission characteristics of hands-free telephones - To be published

ITU-T Rec. P.341 Corrigendum 1 (09/99) Transmission characteristics for wideband (150-7000 Hz) digital hands-free telephony terminals

ITU-T Rec. P.341 (02/98) Transmission characteristics for wideband (150-7000 Hz) digital hands-free telephony terminals

ITU-T Rec. P.342 (05/00) Transmission characteristics for telephone band (300-3400 Hz) digital loudspeaking and hands-free telephony terminals - To be published

ITU-T Rec. P.350 (03/01) Handset dimensions - Formerly ITU-T P.35 - To be published

ITU-T Rec. P.360 (12/98) Efficiency of devices for preventing the occurrence of excessive acoustic pressure by telephone receivers

ITU-T Rec. P.370 (08/96) Coupling Hearing Aids to Telephone sets

ITU-T Rec. P.501 (05/00) Test signals for use in telephonometry - To be published

ITU-T Rec. P.502 (05/00) Objective test methods for speech communication systems using complex test signals - To be published

ITU-T Rec. P.561 (02/96) In-service non-intrusive measurement device - Voice service measurements

ITU-T Rec. P.561 Appendix III (02/98) In-service, non-intrusive measurement device - Voice service measurements - Appendix III: Digital speech recordings

ITU-T Rec. P.562 (05/00) Analysis and interpretation of INMD voice-services measurements - To be published

ITU-T Rec. P.581 (05/2000) Use of head and torso simulator (HATS) for hands-free terminal testing

ITU-T Rec. P.800 (08/96) Methods for subjective determination of transmission quality

ITU-T Rec. P.810 (02/96) Modulated noise reference unit (MNRU)

ITU-T Rec. P.830 (02/96) Subjective performance assessment of telephone-band and wideband digital codecs

ITU-T Rec. P.831 (12/98) Subjective performance evaluation of network echo cancellers

ITU-T Rec. P.832 (05/2000) Subjective performance evaluation of hands-free terminals

ITU-T Rec. P.833 (02/01) Methodology for derivation of equipment impairment factors from subjective listening-only tests - To be published

ITU-T Rec. P.861 (02/98) Objective quality measurement of telephone-band (300-3400 Hz) speech codecs

ITU-T Rec. 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 - To be published

ITU-T Rec. P.910 (09/99) Subjective video quality assessment methods for multimedia applications

ITU-T Rec. P.911 Corrigendum 1 (09/99) Subjective audiovisual quality assessment methods for multimedia applications

ITU-T Rec. P.911 (12/98) Subjective audiovisual quality assessment methods for multimedia applications

ITU-T Rec. P.920 (05/2000) Interactive test methods for audiovisual communications

ITU-T Rec. P.930 (08/96) Principles of a reference impairment system for video

ITU-T Rec. P.931 (12/98) Multimedia communications delay, synchronization and frame rate measurement

ITU-T Rec. P Supplement 10 (11/88) Consideration relating to transmission characteristics for analogue handset telephones

ITU-T Rec. P Supplement 16 (11/88) Guidelines for placement of microphones and loudspeakers in telephone conference rooms [1] and for Group Audio Terminals (GATS)

ITU-T Rec. P Supplement 20 (03/93) Examples of measurements of handset receive-frequency responses:

Series Q Switching and signalling

- ITU-T Rec. Q.1 (11/88) Signal receivers for manual working
ITU-T Rec. Q.2 (11/88) Signal receivers for automatic and semi-automatic working, used for manual working
ITU-T Rec. Q.4 (11/88) Automatic switching functions for use in national networks
ITU-T Rec. Q.5 (11/88) Advantages of semi-automatic service in the international telephone service
ITU-T Rec. Q.6 (11/88) Advantages of international automatic working
ITU-T Rec. Q.7 (11/88) Signalling systems to be used for international automatic and semi-automatic telephone working
ITU-T Rec. Q.8 (11/88) Signalling systems to be used for international manual and automatic working on analogue leased circuits
ITU-T Rec. Q.9 (11/88) Vocabulary of switching and signalling terms
ITU-T Rec. Q. 11 ter - Timetable for coordinated implementation of the full capability of the numbering plan for the ISDN era (Recommendation E.164)
ITU-T Rec. Q.12 (11/88) Overflow - alternative routing - rerouting - automatic repeat attempt
ITU-T Rec. Q.14 (11/88) Means to control the number of satellite links in an international telephone connection
ITU-T Rec. Q.20 (11/88) Comparative advantages of "in-band" and "out-band" systems
ITU-T Rec. Q.21 (11/88) Systems recommended for out-band signalling
ITU-T Rec. Q.22 (11/88) Frequencies to be used for in-band signalling
ITU-T Rec. Q.23 (11/88) Technical features of push-button telephone sets
ITU-T Rec. Q.24 (11/88) Multifrequency push-button signal reception
ITU-T Rec. Q.25 (11/88) Splitting arrangements and signal recognition times in "in-band" signalling systems
ITU-T Rec. Q.26 (11/88) Direct access to the international network from the national network
ITU-T Rec. Q.27 (11/88) Transmission of the answer signal
ITU-T Rec. Q.28 (11/88) Determination of the moment of the called subscriber's answer in the automatic service
ITU-T Rec. Q.29 (11/88) Causes of noise and ways of reducing noise in telephone exchanges
ITU-T Rec. Q.30 (11/88) Improving the reliability of contacts in speech circuits
ITU-T Rec. Q.31 (11/88) Noise in a national 4-wire automatic exchange
ITU-T Rec. Q.32 (11/88) Reduction of the risk of instability by switching means
ITU-T Rec. Q.33 (11/88) Protection against the effects of faulty transmission on groups of circuits
ITU-T Rec. Q.35/E.180 (03/98) Technical characteristics of tones for the telephone service
ITU-T Rec. Q.44 (11/88) Attenuation distortion
ITU-T Rec. Q.45 bis (11/88) Transmission characteristics of an analogue international exchange
ITU-T Rec. Q.45 (10/84) Transmission characteristics of an analogue international exchange
ITU-T Rec. Q.48 (11/88) Demand assignment signalling systems
ITU-T Rec. Q.50 (06/97) Signalling between circuit multiplication equipments (CME) and international switching centres (ISC)
ITU-T Rec. Q.52 (03/01) Signalling between international switching centres (ISC) and stand-alone echo control devices (ECD) - To be published
ITU-T Rec. Q.55 (12/99) Signalling between signal processing network equipment (SPNE) and international switching centres (ISC) - To be published
ITU-T Rec. Q.65 (06/00) The unified functional methodology for the characterization of services and network capabilities including alternative object-oriented techniques - To be published
ITU-T Rec. Q.68 (03/93) Overview of methodology for developing management services
ITU-T Rec. Q.71 (03/93) ISDN circuit mode switched bearer services
ITU-T Rec. Q.72 (03/93) Stage 2 description for packet mode services

ITU-T Rec. Q.76 (02/95) Service procedures for Universal Personal Telecommunication - Functional modelling and information flows

ITU-T Rec. Q.80 (11/88) Introduction to stage 2 service descriptions for supplementary services

ITU-T Rec. Q.81.1 (11/88) Stage 2 description for number identification supplementary services: Direct dialling-in

CCITT Rec. Q.81.2 (02/92) Stage description for number identification supplementary services

ITU-T Rec. Q.81.3 (09/91) Calling line identification presentation (CLIP) and calling line identification restriction (CLIR)

.ITU-T Rec. Q.81.7 (06/97) Malicious call identification (MCID)

ITU-T Rec. Q.82.1 (11/88) Call transfer

ITU-T Rec. Q.82.2 (03/93) Stage 2 description for call offering supplementary services; Clause 2 - Call forwarding; Clause 3 - Call deflection

ITU-T Rec. Q.82.4 (11/88) Stage 2 description for call offering supplementary services: Line hunting

ITU-T Rec. Q.82.7 (07/96) Stage 2 description for call offering supplementary services: Explicit call transfer

ITU-T Rec. Q.83.1 (09/91) Stage 2 description for call completion supplementary services: Call waiting (CW)

- (Modifications and addenda to: Recommendation Q.83)

ITU-T Rec. Q.83.2 (02/92) Stage 2 description for call completion supplementary services (Modifications to: Recommendation Q.83) - Section 2 - Call hold

ITU-T Rec. Q.83.3 (11/88) Completion of call to busy subscriber

ITU-T Rec. Q.83.4 (09/91) Stage 2 description for call completion supplementary services: Call waiting (CW)

- (Modifications and addenda to: Recommendation Q.83)

ITU-T Rec. Q.84.1 (03/93) Stage 2 description for multiparty supplementary services: Conference calling (CONF)

ITU-T Rec. Q.84.2 (10/95) Stage 2 description for multiparty supplementary services - Clause 2 - Three-party service

ITU-T Rec. Q.85.1 (02/92) Stage 2 description for community of interest supplementary services (Modifications and addenda to Rec. Q.85) - Section 1 - Closed User Group; Section 3 - Multi-level Precedence and Preemption

.ITU-T Rec. Q.85.6 (02/95) Stage 2 description for community of interest supplementary services - Global Virtual Network Service (GVNS)

ITU-T Rec. Q.85.6 Annex A (07/96) Stage 2 description for community of interest supplementary services: Global Virtual Network Service (GVNS) - Annex A: Service procedures and information flows based on Intelligent Network CS-1 capabilities

ITU-T Rec. Q.86.1 (11/88) Credit card call

ITU-T Rec. Q.86.2 (10/95) Stage 2 description for charging supplementary services - Advice of charge

ITU-T Rec. Q.86.3 (03/93) Stage 2 description for charging supplementary services - Reverse charging (Rev)

ITU-T Rec. Q.86.4 (06/97) Stage 2 description for charging supplementary services: International Freephone Service (IFS)

ITU-T Rec. Q.86.7 (10/95) Stage 2 description for charging supplementary services: Clause 7 - International Telecommunication Charge Card (ITCC)

ITU-T Rec. Q.87.1 (03/93) Stage 2 description for additional information transfer supplementary services: Clause 1 - User-to-user signalling (UUS)

ITU-T Rec. Q.87.2 (11/88) User signalling bearer services

ITU-T Rec. Q.101 (11/88) Facilities provided in international semi-automatic working

ITU-T Rec. Q.102 (11/88) Facilities provided in international automatic working

ITU-T Rec. Q.103 (11/88) Numbering used

ITU-T Rec. Q.104 (11/88) Language digit or discriminating digit

.ITU-T Rec. Q.105 (11/88) National (significant) number

ITU-T Rec. Q.106 (11/88) The sending-finished signal
ITU-T Rec. Q.107 bis (03/93) Analysis of forward address information for routing
ITU-T Rec. Q.107 (11/88) Standard sending sequence of forward address information
ITU-T Rec. Q.108 (11/88) One-way or both-way operation of international circuits
ITU-T Rec. Q.109 (11/88) Transmission of the answer signal in international exchanges
ITU-T Rec. Q.110 (11/88) General aspects of the utilization of standardized CCITT Signalling Systems on PCM links
ITU-T Rec. Q.112 (11/88) Signal levels and signal receiver sensitivity
ITU-T Rec. Q.113 (11/88) Connection of signal receivers in the circuit
ITU-T Rec. Q.114 (11/88) Typical transmission requirements for signal senders and receivers
ITU-T Rec. Q.115 (12/1999) Logic for the control of echo control devices
ITU-T Rec. Q.116 (11/88) Indication given to the outgoing operator or calling subscriber in case of an abnormal condition
ITU-T Rec. Q.117 (11/88) Alarms for technical staff and arrangements in case of faults
ITU-T Rec. Q.118 bis (11/88) Indication of congestion conditions at transit exchanges
ITU-T Rec. Q.118 (09/97) Abnormal conditions - Special release arrangements
ITU-T Rec. Q.120 (11/88) Definition and function of signals
ITU-T Rec. Q.121 (11/88) Signal code
ITU-T Rec. Q.122 (11/88) Signal sender
ITU-T Rec. Q.123 (11/88) Signal receiver
ITU-T Rec. Q.124 (11/88) Splitting arrangements
ITU-T Rec. Q.125 (11/88) Speed of switching in international exchanges
ITU-T Rec. Q.126 (11/88) Analysis and transfer of digital information
ITU-T Rec. Q.127 (11/88) Release of registers
ITU-T Rec. Q.128 (11/88) Switching to the speech position
ITU-T Rec. Q.129 (11/88) Maximum duration of a blocking signal
ITU-T Rec. Q.130 (11/88) Special arrangements in case of failures in the sequence of signals
ITU-T Rec. Q.131 (11/88) Abnormal release conditions of the outgoing register causing release of the international circuit
ITU-T Rec. Q.133 (11/88) Numbering for access to automatic measuring and testing devices
ITU-T Rec. Q.134 (11/88) Routine testing of equipment (local maintenance)
ITU-T Rec. Q.135 (11/88) Principles of rapid transmission testing equipment
ITU-T Rec. Q.136 (11/88) Loop transmission measurements
ITU-T Rec. Q.137 (11/88) Automatic testing equipment
ITU-T Rec. Q.138 (11/88) Instruments for checking equipment and measuring signals
ITU-T Rec. Q.139 (11/88) Manual testing
ITU-T Rec. Q.140 (11/88) Definition and function of signals
ITU-T Rec. Q.141 (03/93) Signal code for line signalling
ITU-T Rec. Q.142 (11/88) Double seizing with both-way operation
ITU-T Rec. Q.143 (11/88) Line signal sender
ITU-T Rec. Q.144 (03/93) Line signal receiver
ITU-T Rec. Q.145 (11/88) Splitting arrangements
ITU-T Rec. Q.146 (11/88) Speed of switching in international exchanges
ITU-T Rec. Q.151 (11/88) Signal code for register signalling
ITU-T Rec. Q.152 (11/88) End-of-pulsing conditions - Register arrangements concerning ST (end-of-pulsing) signal
ITU-T Rec. Q.153 (11/88) Multifrequency signal sender
ITU-T Rec. Q.154 (11/88) Multifrequency signal receiver
ITU-T Rec. Q.155 (11/88) Analysis of digital information for routing
ITU-T Rec. Q.156 (11/88) Release of international registers
ITU-T Rec. Q.157 (11/88) Switching to the speech position
ITU-T Rec. Q.161 (11/88) General arrangements for manual testing
ITU-T Rec. Q.162 (11/88) Routine testing of equipment (local maintenance)
ITU-T Rec. Q.163 (11/88) Manual testing
ITU-T Rec. Q.164 (11/88) Testing equipment for checking equipment and signals
ITU-T Rec. Q.180 (11/88) Interworking of systems No. 4 and No. 5
ITU-T Rec. Q.251 (11/88) General
ITU-T Rec. Q.252 (11/88) Signal transfer time definitions
ITU-T Rec. Q.253 (11/88) Association between signalling and speech networks
ITU-T Rec. Q.254 (11/88) Telephone signals
ITU-T Rec. Q.255 (11/88) Signalling-system-control signals

ITU-T Rec. Q.256 (11/88) Management signal
ITU-T Rec. Q.257 (11/88) General
ITU-T Rec. Q.258 (11/88) Telephone signals
.ITU-T Rec. Q.259 (11/88) Signalling-system-control signals
ITU-T Rec. Q.260 (11/88) Management signals
ITU-T Rec. Q.261 (11/88) Normal call set-up
ITU-T Rec. Q.262 (11/88) Analysis of digital information for routing
ITU-T Rec. Q.263 (11/88) Double seizing with both-way operation
ITU-T Rec. Q.264 (11/88) Potential for automatic repeat attempt and re-routing
ITU-T Rec. Q.265 (11/88) Speed of switching and signal transfer in international exchanges
ITU-T Rec. Q.266 (11/88) Blocking and unblocking sequences and control of quasi-associated signalling
ITU-T Rec. Q.267 (11/88) Unreasonable and superfluous messages
ITU-T Rec. Q.268 (11/88) Release of international connections and associated equipment
ITU-T Rec. Q.271 (11/88) General
ITU-T Rec. Q.272 (11/88) Requirements for the signalling data link
ITU-T Rec. Q.273 (11/88) Data transmission rate
ITU-T Rec. Q.274 (11/88) Transmission methods - Modem and interface requirements
ITU-T Rec. Q.275 (11/88) Data channel failure detection
ITU-T Rec. Q.276 (11/88) Service dependability
.ITU-T Rec. Q.277 (11/88) Error control
ITU-T Rec. Q.278 (11/88) Synchronization
ITU-T Rec. Q.279 (11/88) Drift compensation
ITU-T Rec. Q.285 (11/88) Signal priority categories
ITU-T Rec. Q.286 (11/88) Signalling channel loading and queueing delays
ITU-T Rec. Q.287 (11/88) Signal transfer time requirements
ITU-T Rec. Q.291 (11/88) General
ITU-T Rec. Q.292 (11/88) Reserve facilities provided
ITU-T Rec. Q.293 (11/88) Intervals at which security measures are to be invoked
ITU-T Rec. Q.295 (11/88) Overall tests of Signalling System No. 6
ITU-T Rec. Q.296 (11/88) Monitoring and maintenance of the common signalling channel
ITU-T Rec. Q.297 (11/88) Network management
ITU-T Rec. Q.300 (11/88) Interworking between CCITT Signalling System No. 6 and national common channel signalling systems
ITU-T Rec. Q.310 (11/88) Definition and function of signals
ITU-T Rec. Q.311 (11/88) 2600 Hz line signalling
.ITU-T Rec. Q.312 (11/88) 2600 Hz line signal sender (transmitter)
ITU-T Rec. Q.313 (11/88) 2600 Hz line signal receiving equipment
ITU-T Rec. Q.314 (11/88) PCM line signalling
ITU-T Rec. Q.315 (11/88) PCM line signal sender (transmitter)
ITU-T Rec. Q.316 (11/88) PCM line signal receiver
ITU-T Rec. Q.317 (11/88) Further specification clauses relative to line signalling
ITU-T Rec. Q.318 (11/88) Double seizing with both-way operation
ITU-T Rec. Q.319 (11/88) Speed of switching in international exchanges
ITU-T Rec. Q.320 (11/88) Signal code for register signalling
ITU-T Rec. Q.321 (11/88) End-of-pulsing conditions - Register arrangements concerning ST signal
ITU-T Rec. Q.322 (11/88) Multifrequency signal sender
ITU-T Rec. Q.323 (11/88) Multifrequency signal receiving equipment
ITU-T Rec. Q.324 (11/88) Analysis of address information for routing
ITU-T Rec. Q.325 (11/88) Release of registers
ITU-T Rec. Q.326 (11/88) Switching to the speech position
ITU-T Rec. Q.327 (11/88) General arrangements
.ITU-T Rec. Q.328 (11/88) Routine testing of equipment (local maintenance)
ITU-T Rec. Q.329 (11/88) Manual testing
ITU-T Rec. Q.330 (11/88) Automatic transmission and signalling testing
ITU-T Rec. Q.331 (11/88) Test equipment for checking equipment and signals
ITU-T Rec. Q.332 (11/88) Interworking
ITU-T Rec. Q.400 (11/88) Forward line signals
ITU-T Rec. Q.411 (11/88) Line signalling code
ITU-T Rec. Q.412 (11/88) Clauses for exchange line signalling equipment
ITU-T Rec. Q.414 (11/88) Signal sender
ITU-T Rec. Q.415 (11/88) Signal receiver

ITU-T Rec. Q.416 (11/88) Interruption control
ITU-T Rec. Q.421 (11/88) Digital line signalling code
ITU-T Rec. Q.422 (11/88) Clauses for exchange line signalling equipment
ITU-T Rec. Q.424 (11/88) Protection against the effects of faulty transmission
ITU-T Rec. Q.430 (11/88) Conversion between analogue and digital versions of system R2 line signalling
ITU-T Rec. Q.440 (11/88) General
.ITU-T Rec. Q.441 (11/88) Signalling code
ITU-T Rec. Q.442 (11/88) Pulse transmission of backward signals A-3, A-4, A-6 or A-15.
Multifrequency signalling equipment
ITU-T Rec. Q.44 Annex A (11/88) Annexes A, B and C to ITU-T Recommendations Q.440 to Q.458
ITU-T Rec. Q.450 (11/88) General
ITU-T Rec. Q.451 (11/88) Definitions
ITU-T Rec. Q.452 (11/88) Requirements relating to transmission conditions
ITU-T Rec. Q.454 (11/88) The sending part of the multifrequency signalling equipment
ITU-T Rec. Q.455 (11/88) The receiving part of the multifrequency equipment
ITU-T Rec. Q.457 (11/88) Range of interregister signalling
ITU-T Rec. Q.458 (11/88) Reliability of interregister signalling
ITU-T Rec. Q.460 (11/88) Normal call set-up procedures for international working
ITU-T Rec. Q.462 (11/88) Signalling between the outgoing international R2 register and an incoming R2 register in an international exchange
ITU-T Rec. Q.463 (11/88) Signalling between the outgoing international R2 register and an incoming R2 register in a national exchange in the destination country
ITU-T Rec. Q.464 (11/88) Signalling between the outgoing international R2 register and the last incoming R2 register
.ITU-T Rec. Q.465 (11/88) Particular cases
ITU-T Rec. Q.466 (11/88) Supervision and release of the call
ITU-T Rec. Q.468 (11/88) Routing and numbering for international working - Termination of interregister signalling
ITU-T Rec. Q.470 (11/88) At an incoming R2 register situated in a transit exchange
ITU-T Rec. Q.471 (11/88) At the last incoming R2 register situated in the exchange to which the called subscriber is connected
ITU-T Rec. Q.472 (11/88) At the last incoming R2 register situated in a transit exchange
ITU-T Rec. Q.473 (11/88) Use of end-of-pulsing signal I-15 in international working
ITU-T Rec. Q.474 (11/88) Use of Group B signals
ITU-T Rec. Q.475 (11/88) Normal release of outgoing and incoming R2 registers
ITU-T Rec. Q.476 (11/88) Abnormal release of outgoing and incoming R2 registers
ITU-T Rec. Q.478 (11/88) Relay and regeneration of R2 interregister signals by an outgoing R2 register in a transit exchange
ITU-T Rec. Q.479 (11/88) Echo-suppressor control - Signalling requirements
ITU-T Rec. Q.480 (11/88) Miscellaneous procedures
ITU-T Rec. Q.490 (11/88) Testing and maintenance
.ITU-T Annex A to Rec. Q.400-Q.490 (11/88) Specifications of Signalling System R2 - Provision of a forward-transfer signalling facility
ITU-T Rec. Q.500 (11/88) Digital local, combined, transit and international exchanges, introduction and field of application
ITU-T Rec. Q.511 (11/88) Exchange interfaces towards other exchanges
ITU-T Rec. Q.512 (02/95) Digital exchange interfaces for subscriber access
ITU-T Rec. Q.513 (03/93) Digital exchange interfaces for operations, administration and maintenance
ITU-T Rec. Q.521 (03/93) Digital exchange functions
ITU-T Rec. Q.522 (11/88) Digital exchange connections, signalling and ancillary functions
ITU-T Rec. Q.541 (03/93) Digital exchange design objectives - General
ITU-T Rec. Q.542 (03/93) Digital exchange design objectives - Operations and maintenance
ITU-T Rec. Q.543 (03/93) Digital exchange performance design objectives
ITU-T Rec. Q.544 (11/88) Digital exchange measurements
ITU-T Rec. Q.551 (11/96) Transmission characteristics of digital exchanges

ITU-T Rec. Q.552 (11/96) Transmission characteristics at 2-wire analogue interfaces of digital exchanges

ITU-T Rec. Q.553 (11/96) Transmission characteristics at 4-wire analogue interfaces of digital exchanges

ITU-T Rec. Q.554 (11/96) Transmission characteristics at digital interfaces of digital exchanges

ITU-T Rec. Q.601 (03/93) Interworking of signalling systems - General

ITU-T Rec. Q.602 (03/93) Interworking of signalling systems - Introduction

ITU-T Rec. Q.603 (11/88) Interworking of signalling systems - Events

ITU-T Rec. Q.604 (03/93) Interworking of signalling systems - Information analysis tables

ITU-T Rec. Q.605 (11/88) Interworking of signalling systems - Drawing conventions

ITU-T Rec. Q.606 (11/88) Interworking of signalling systems - Logic procedures

ITU-T Rec. Q.607 (11/88) Interworking of signalling systems - Interworking requirements for new signalling systems

ITU-T Rec. Q.608 (11/88) Interworking of signalling systems - Miscellaneous interworking aspects

ITU-T Rec. Q.611 (11/88) Logic procedures for incoming Signalling System No. 4

ITU-T Rec. Q.612 (11/88) Logic procedures for incoming Signalling System No. 5

ITU-T Rec. Q.613 (11/88) Logic procedures for incoming Signalling System No. 6

ITU-T Rec. Q.614 (03/93) Logic procedures for incoming Signalling System No. 7 (TUP)

ITU-T Rec. Q.615 (11/88) Logic procedures for incoming Signalling System R1

ITU-T Rec. Q.616 (11/88) Logic procedures for incoming Signalling System R2

ITU-T Rec. Q.617 (03/93) Logic procedures for incoming Signalling System No. 7 (ISUP)

ITU-T Rec. Q.621 (11/88) Logic procedures for outgoing Signalling System No. 4

ITU-T Rec. Q.622 (11/88) Logic procedures for outgoing Signalling System No. 5

ITU-T Rec. Q.623 (11/88) Logic procedures for outgoing Signalling System No. 6

ITU-T Rec. Q.624 (03/93) Interworking of signalling systems - Logic procedures for outgoing Signalling System No. 7

ITU-T Rec. Q.625 (11/88) Logic procedures for outgoing Signalling System R1

ITU-T Rec. Q.626 (11/88) Logic procedures for outgoing Signalling System R2

ITU-T Rec. Q.627 (03/93) Interworking of signalling systems - Logic procedures for outgoing Signalling System No. 7 (ISUP)

ITU-T Rec. Q.634 (11/88) Logic procedures for interworking of Signalling System No. 4 to R2

ITU-T Rec. Q.642 (11/88) Logic procedures for interworking of Signalling System No. 5 to No. 6

ITU-T Rec. Q.643 (11/88) Logic procedures for interworking of Signalling System No. 5 to No. 7 (TUP)

ITU-T Rec. Q.644 (11/88) Logic procedures for interworking of Signalling System No. 5 to R1

ITU-T Rec. Q.645 (11/88) Logic procedures for interworking of Signalling System No. 5 to R2

ITU-T Rec. Q.646 (03/93) Interworking of signalling systems - Logic procedures for interworking of Signalling System No. 5 to Signalling System No. 7 (ISUP)

ITU-T Rec. Q.652 (11/88) Logic procedures for interworking of Signalling System No. 6 to No. 5

ITU-T Rec. Q.653 (11/88) Logic procedures for interworking of Signalling System No. 6 to No. 7 (TUP)

ITU-T Rec. Q.654 (11/88) Logic procedures for interworking of Signalling System No. 6 to R1

ITU-T Rec. Q.655 (11/88) Logic procedures for interworking of Signalling System No. 6 to R2

ITU-T Rec. Q.656 (03/93) Interworking of signalling systems - Logic procedures for interworking of Signalling System No. 6 to Signalling System No. 7 (ISUP)

ITU-T Rec. Q.662 (11/88) Logic procedures for interworking of Signalling System No. 7 (TUP) to No. 5

ITU-T Rec. Q.663 (11/88) Logic procedures for interworking of Signalling System No. 7 (TUP) to No. 6

ITU-T Rec. Q.664 (11/88) Logic procedures for interworking of Signalling System No. 7 (TUP) to No. 7 (TUP)

ITU-T Rec. Q.665 (11/88) Logic procedures for interworking of Signalling System No. 7 (TUP) to R1

ITU-T Rec. Q.666 (11/88) Logic procedures for interworking of Signalling System No. 7 (TUP) to R2

ITU-T Rec. Q.667 (03/93) Interworking of signalling systems - Logic procedures for interworking of Signalling System No. 7 (TUP) to Signalling System No. 7 (ISUP)

ITU-T Rec. Q.671 (11/88) Logic procedures for interworking of Signalling System R1 to No. 5

ITU-T Rec. Q.672 (11/88) Logic procedures for interworking of Signalling System R1 to No. 6

ITU-T Rec. Q.673 (11/88) Logic procedures for interworking of Signalling System R1 to No. 7 (TUP)

ITU-T Rec. Q.674 (11/88) Logic procedures for interworking of Signalling System R1 to R2

.ITU-T Rec. Q.675 (03/93) Interworking of signalling systems - Logic procedures for interworking of Signalling System R1 to Signalling System No. 7 (ISUP)

ITU-T Rec. Q.681 (11/88) Logic procedures for interworking of Signalling System R2 to No. 4

ITU-T Rec. Q.682 (11/88) Logic procedures for interworking of Signalling System R2 to No. 5

ITU-T Rec. Q.683 (11/88) Logic procedures for interworking of Signalling System R2 to No. 6

ITU-T Rec. Q.684 (11/88) Logic procedures for interworking of Signalling System R2 to No. 7 (TUP)

ITU-T Rec. Q.685 (11/88) Logic procedures for interworking of Signalling System R2 to R1

ITU-T Rec. Q.686 (03/93) Interworking of signalling systems - Logic procedures for interworking of Signalling System R2 to Signalling System No. 7 (ISUP)

ITU-T Rec. Q.690 (03/93) Interworking of signalling systems - Logic procedures for interworking of Signalling System No. 7 (ISUP) to No. 5

ITU-T Rec. Q.691 (03/93) Interworking of signalling systems - Logic procedures for interworking of Signalling System No. 7 (ISUP) to No. 5

ITU-T Rec. Q.692 (03/93) Interworking of signalling systems - Logic procedures for interworking of Signalling System No. 7 (ISUP) to No. 7 (TUP)

ITU-T Rec. Q.694 (03/93) Interworking of signalling systems - Logic procedures for interworking of Signalling System No. 7 (ISUP) to R1

ITU-T Rec. Q.695 (03/93) Interworking of signalling systems - Logic procedures for interworking of Signalling System No. 7 (ISUP) to R2

ITU-T Rec. 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

.ITU-T Rec. Q.698 (03/93) Interworking of Signalling System No. 7 ISUP, TUP and Signalling System No. 6 using arrow diagrams

ITU-T Rec. Q.699 Addendum 1 (12/99) Interworking between ISDN access and non-ISDN access over ISDN user part of Signalling System No. 7 - Addendum 1: DSS1-SS7 interworking for call completion on no reply

ITU-T Rec. Q.699 (09/97) Interworking between ISDN access and non-ISDN access over ISDN User Part of Signalling System No. 7

ITU-T Rec. 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

ITU-T Rec. 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

ITU-T Rec. Q.601-Q.695 Annex B (03/93) Narrative presentation of interworking

ITU-T Rec. Q.700 (03/93) Introduction to CCITT Signalling System No. 7

ITU-T Rec. Q.701 (03/93) Information technology - Open Systems Interconnection - Systems management overview

ITU-T Rec. Q.702 (11/88) Signalling data link

ITU-T Rec. Q.703 (07/96) Signalling link

ITU-T Rec. Q.704 (07/96) Signalling network functions and messages

ITU-T Rec. Q.705 (03/93) Signalling network structure

ITU-T Rec. Q.706 (03/93) Message transfer part signalling performance

.ITU-T Rec. Q.707 (11/88) Testing and maintenance

ITU-T Rec. Q.708 (03/99) Assignment procedures for international signalling point codes

ITU-T Rec. Q.709 (03/93) Hypothetical signalling reference connection

ITU-T Rec. Q.710 (11/88) Simplified MTP version for small systems

ITU-T Rec. Q.711 (03/01) Functional description of the signalling connection control part - To be published

ITU-T Rec. Q.712 (07/96) Definition and function of signalling connection control part messages

ITU-T Rec. Q.713 (03/01) Signalling connection control part formats and codes - To be published

ITU-T Rec. Q.714 (07/96) Signalling connection control part procedures

ITU-T Rec. Q.715 (07/96) Signalling connection control part user guide

ITU-T Rec. Q.716 (03/93) Signalling connection control part (SCCP) performance

ITU-T Rec. Q.721 (11/88) Functional description of the Signalling System No. 7 Telephone User Part (TUP)

ITU-T Rec. Q.722 (11/88) General function of telephone messages and signals

ITU-T Rec. Q.723 (11/88) Formats and codes

ITU-T Rec. Q.724 (11/88) Signalling procedures
ITU-T Rec. Q.725 (03/93) Signalling performance in the telephone application
ITU-T Rec. Q.730 (12/99) ISDN user part supplementary services
.ITU-T Rec. Q.731.1 (07/96) Stage 3 description for numbering identification supplementary services using
Signalling System No. 7: Direct-Dialling-In (DDI)
ITU-T Rec. Q.731.3 (03/93) Stage 3 description for number identification supplementary services using
Signalling System No. 7: Calling line identification presentation (CLIP)
ITU-T Rec. Q.731.7 (06/97) Stage 3 description for number identification supplementary services using
Signalling System No. 7: Malicious call identification (MCID)
ITU-T Rec. Q.731.8 (02/92) Stage 3 description for number identification supplementary services using
Signalling System No. 7; Section 8 - Sub-addressing (SUB)
ITU-T Rec. Q.732.2-5 (12/99) Stage 3 description for call offering supplementary services using signalling
system No. 7: Call diversion services - Q.732.2 Call Forwarding Busy (CFB) - Q.732.3 Call Forwarding No
Reply (CFNR) - Q.732.4 Call Forwarding...
ITU-T Rec. Q.732.2 (12/99) Call diversion services: Call forwarding busy; Call forwarding no reply; Call
forwarding unconditional; Call deflection - To be published
ITU-T Rec. Q.732.7 (07/96) Stage 3 description for call offering supplementary services using Signalling
System No. 7: Explicit Call Transfer
ITU-T Rec. Q.733.1 (02/92) Stage 3 description for call completion supplementary services using No. 7
Signalling System - Call Waiting (CW)
ITU-T Rec. Q.733.2 (03/93) Stage 3 description for call completion supplementary services using SS
No. 7
ITU-T Rec. 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)
ITU-T Rec. Q.733.5 (12/99) Stage 3 description for call completion supplementary services using Signalling
System No. 7: Completion of Calls on No Reply
.ITU-T Rec. Q.734.1 Covering Note (03/93) Stage 3 description for multiparty supplementary services using
Signalling System no. 7
ITU-T Rec. Q.734.1 (03/93) Stage 3 description for multiparty supplementary services using Signalling
System No. 7
ITU-T Rec. Q.734.2 (07/96) Stage 3 description for multiparty supplementary services using Signalling
System No. 7: Three-party service
ITU-T Rec. Q.735.1 (03/93) Stage 3 description for community of interest supplementary services using SS
No. 7
ITU-T Rec. Q.735.6 (07/96) Stage 3 description for community of interest supplementary services using
Signalling System No. 7: Global Virtual Network Service (GVNS)
ITU-T Rec. Q.736.1 (10/95) Stage 3 description for charging supplementary services using Signalling
System
No. 7: Clause 1 - International Telecommunication Charge Card (ITCC)
ITU-T Rec. Q.736.3 (10/95) Stage 3 description for charging supplementary services using Signalling
System
No. 7: Reverse charging (REV)
ITU-T Rec. Q.737.1 (06/97) Stage 3 description for additional information transfer supplementary
services using Signalling System No. 7: User-to-user signalling (UUS)
ITU-T Rec. Q.741 (11/88) Signalling System No. 7 - Data user part
ITU-T Rec. Q.750 (06/97) Overview of Signalling System No. 7 management
ITU-T Rec. Q.751.1 (10/95) Network element management information model for the Message
Transfer Part

(MTP)

ITU-T Rec. Q.751.2 (06/97) Network element management information model for the Signalling Connection Control Part

.ITU-T Rec. Q.751.3 (09/97) Network element information model for MTP accounting

ITU-T Rec. Q.751.4 (05/98) Network element information model for SCCP accounting and accounting verification

ITU-T Rec. Q.752 (06/97) Monitoring and measurements for Signalling System No. 7 networks

ITU-T Rec. Q.753 (06/97) Signalling System No. 7 management functions MRVT, SRVT and CVT and definition

of the OMASE-user

ITU-T Rec. Q.754 (06/97) Signalling System No. 7 management Application Service Element (ASE) definitions

ITU-T Rec. Q.755 (03/93) Signalling System No. 7 protocol tests

ITU-T Rec. Q.755.1 (05/98) MTP Protocol Tester

ITU-T Rec. Q.755.2 (09/97) Transaction capabilities test responder

ITU-T Rec. Q.756 (06/97) Guidebook to Operations, Maintenance and Administration Part (OMAP)

ITU-T Rec. Q.761 (12/99) Signalling system No. 7 - ISDN user part functional description

ITU-T Rec. Q.762 Addendum 1 (06/00) Signalling System No. 7 - ISDN User Part general functions of messages and signals - To be published

ITU-T Rec. Q.762 (12/1999) Signalling System No. 7 - ISDN User Part general functions of messages and

signals

ITU-T Rec. Q.763 (12/99) - Signalling system No. 7 - ISDN user part formats and codes - To be published

ITU-T Rec. Q.763 Amendment 1 (03/01) - Coding of the application transport parameter - To be published

.ITU-T Rec. Q.764 (12/99) Signalling system No. 7 - ISDN User Part signalling procedures - To be published

ITU-T Rec. Q.765 bis (12/99) Signalling System No. 7 - Application Transport Mechanism: Test Suite Structure and Test Purposes (TSS & TP)

ITU-T Rec. Q.765 (06/00) Signalling System No. 7 - Application transport mechanism - To be published

ITU-T Rec. Q.765.1 bis (12/99) Abstract test suite for the APM support of VPN applications - To be published

ITU-T Rec. Q.765.1 Bis Amendment 1 (12/00) Annex B - PIXIT proforma for support of virtual private

network (VPN) applications - To be published

ITU-T Rec. Q.765.1 (05/98) Signalling System No. 7 - Application transport mechanism - Support of VPN

applications with PSS1 information flows

ITU-T Rec. Q.765.4 (06/00) Signalling System No. 7 - Application transport mechanism - Support of the

generic addressing and transport protocol - To be published

ITU-T Rec. Q.765.5 (06/00) Application transport mechanism - Bearer independent call control (BICC) - To

be published

ITU-T Rec. Q.766 (03/93) Performance objectives in the integrated services digital network application

ITU-T Rec. Q.767 (02/91) Application of the ISDN user part of CCITT Signalling System No. 7 for international ISDN interconnections

ITU-T Rec. Q.768 (10/95) Signalling interface between an international switching centre (ISC) and an ISDN

satellite subnetwork

ITU-T Rec. Q.769.1 (12/99) Signalling system No. 7 - ISDN user part enhancements for the support of number portability

.ITU-T Rec. Q.771 (06/97) Functional description of transaction capabilities

ITU-T Rec. Q.772 (06/97) Transaction capabilities information element definitions

ITU-T Rec. Q.773 (06/97) Transaction capabilities formats and encoding

ITU-T Rec. Q.774 (06/97) Transaction capabilities procedures

ITU-T Rec. Q.775 (06/97) Guidelines for using transaction capabilities

ITU-T Rec. Q.780 (10/95) Signalling System No. 7 test specification - General description

ITU-T Rec. Q.780 Supplement 1 (10/95) - Signalling System No. 7 testing and planning tools

ITU-T Rec. Q.781 (07/96) MTP level 2 test specification

ITU-T Rec. Q.782 (07/96) MTP level 3 test specification
ITU-T Rec. Q.783 (11/88) TUP test specification
ITU-T Rec. Q.784 Annex A (03/93) TTCN version of Recommendation Q.784
ITU-T Rec. Q.784.1 Corrigendum 1 (12/99) ISUP basic call test specification: Validation and compatibility for ISUP'92 and Q.767 protocols - Corrigendum 1
ITU-T Rec. Q.784.1 (07/96) ISUP basic call test specification: Validation and compatibility for ISUP'92 and Q.767 protocols
ITU-T Rec. Q.784.2 (06/97) ISUP basic call test specification: Abstract test suite for ISUP'92 basic call control procedures
.ITU-T Rec. Q.784.3 (12/99) ISUP '97 basic call control procedures - Test suite structure and test purposes (TSS & TP) - To be published
ITU-T Rec. Q.784.3 Amendment 1 (12/00) Annex B - PIXIT proforma for ISDN User Part (ISUP) '97 basic call control procedures - To be published
ITU-T Rec. Q.785 (09/91) ISUP protocol test specification for supplementary services
ITU-T Rec. Q.785.2 (03/99) ISUP'97 supplementary services ... Test suite structure and test purposes (TSS & TP)
ITU-T Rec. Q.785.2 Amendment 1(12/00) Technical Report TRQ.2130 - To be published
ITU-T Rec. Q.786 (03/93) Signalling System No. 7 - SCCP test specification
ITU-T Rec. Q.787 (09/97) Transaction Capabilities (TC) test specification
ITU-T Rec. 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
ITU-T Rec. Q.811 (06/97) Lower layer protocol profiles for the Q3 and X interfaces
ITU-T Rec. Q.812 (06/97) Upper layer protocol profiles for the Q3 and X interfaces
ITU-T Rec. Q.812 Amendment 1 (03/99) Upper layer protocol profiles for the Q3 and X interfaces - Amendment 1: Additional X interface protocols for the service management layer (SML)
ITU-T Rec. Q.812 Amendment 3 (02/00) Protocol profile for electronic communications interactive agent - To be published
ITU-T Rec. Q.812 Appendix I (03/99) Guidance on using allomorphic management
.ITU-T Rec. Q.813 (06/98) Security Transformations Application Service Element for Remote Operations Service Element (STASE-ROSE)
ITU-T Rec. Q.814 (02/2000) Specification of an electronic data interchange interactive agent
ITU-T Rec. Q.815 (02/2000) Specification of a security module for whole message protection
ITU-T Rec. Q.816 (01/01) - CORBA based TMN services - To be published
ITU-T Rec. Q.817 (01/01) - TMN PKI digital certificates and certificate revocation lists profiles - To be published
ITU-T Rec. Q.821 (02/00) -Stage 2 and Stage 3 description for the Q3 interface- Alarm surveillance- To be published
ITU-T Rec. Q.822 (04/94) Stage 1, Stage 2 and Stage 3 Description for the Q3 interface- Performance management
ITU-T Rec. Q.823 (07/96) Stage 2 and Stage 3 functional specifications for traffic management
ITU-T Rec. Q.823.1 (10/97) Management Conformance Statement Proformas
ITU-T Rec. Q.824.0 (10/95) Stages 2 and 3 description for the Q3 interface - Customer administration: Common information
ITU-T Rec. Q.824.1 (10/95) Stages 2 and 3 description for the Q3 interface - Customer administration - Integrated Services Digital Network (ISDN) basic and primary rate access
ITU-T Rec. Q.824.2 (10/95) Stages 2 and 3 description for the Q3 interface - Customer administration - Integrated Services Digital Network (ISDN) supplementary services
ITU-T Rec. Q.824.3 (10/95) Stages 2 and 3 description for the Q3 interface - Customer administration - Integrated Services Digital Network (ISDN), optional user facilities
.ITU-T Rec. Q.824.4 (10/95) Stages 2 and 3 description for the Q3 interface - Customer administration - Integrated Services Digital Network (ISDN) - Teleservices
ITU-T Rec. Q.824.5 Corrigendum 1 (02/00) Stage 2 and Stage 3 description for the Q3 Interface - Customer

administration: Configuration management of V5 Interface environments and associated customer profiles -
To be published
ITU-T Rec. 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
ITU-T Rec. Q.824.6 (06/98) Stage 2 and stage 3 description for the Q3 interface - Customer administration:
Broadband switch management
ITU-T Rec. Q.824.7 (02/00) Enhanced broadband switch management - To be published
ITU-T Rec. Q.825 (06/98) Specification of TMN applications at the Q3 interface: Call detail recording
ITU-T Rec. Q.826 (02/00) Stage 2 and Stage 3 Functional Specification of Call Routing Information Management on Operation System/Network Element (OS/NE) Interface - To be published
ITU-T Rec. Q.831 Corrigendum 1 (03/01) Fault and performance management of V5 interface environments and associated customer profiles - To be published
ITU-T Rec. Q.831 (10/97) Fault and performance management of V5 interface environments and associated customer profiles
ITU-T Rec. Q.831.1 (02/00) Access management for V5 - To be published
ITU-T Rec. Q.832.1 Corrigendum 1 (03/01) VB5.1 Management - To be published
ITU-T Rec. Q.832.1 (06/98) VB5.1 Management
ITU-T Rec. Q.832.2 (03/99) VB5.2 Management
ITU-T Rec. Q.832.3 (01/01) - Broadband access coordination - To be published
ITU-T Rec. Q.833.1 (01/01) - Asymmetric digital subscriber line (ADSL) network element management Part 1 - CMIP model - To be published
ITU-T Rec. Q.834.1 (04/01) ATM-PON requirements and managed entities for the network element view - To be published
ITU-T Rec. Q.834.2 (04/01) ATM-PON requirements and managed entities for the network view - To be published
ITU-T Rec. Q.835 Corrigendum 1 (03/01) Line and line circuit test management of ISDN and analogue customer accesses - To be published
ITU-T Rec. Q.835 (03/99) Line and line circuit test management of ISDN and analogue customer accesses
ITU-T Rec. Q.836.1 (02/2000) SSF management information model
ITU-T Rec. Q.850 Addendum 1 (06/00) Usage of cause and location in the Digital Subscriber Signalling System No. 1 and the Signalling System No. 7 ISDN user part - To be published
ITU-T Rec. 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
ITU-T Rec. Q.860 (06/00) Integrated services digital network (ISDN) and broadband integrated services digital network (B-ISDN) generic addressing and transport (GAT) protocol - To be published
ITU-T Rec. Q.920 (03/93) Digital Subscriber Signalling System No. 1 (DSS1) - ISDN user-network interface data link layer - General aspects
ITU-T Rec. Q.920 Amendment 1 (06/00) Digital Subscriber Signalling System No.1 (DSS1) ISDN user-network interface data link layer - General aspects - To be published
ITU-T Rec. Q.921 bis (03/93) Abstract test suite for LAPD conformance testing
ITU-T Rec. Q.921 (09/97) ISDN user-network interface - Data link layer specification
ITU-T Rec. Q.921 Amendment 1 (06/00) Digital Subscriber Signalling System No.1 - Data link layer - To be published
ITU-T Rec. Q.922 (02/92) ISDN data link layer specification for frame mode bearer services
ITU-T Rec. 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
ITU-T Rec. Q.930 (03/93) Digital Subscriber Signalling System No. 1 (DSS 1) - ISDN user-network

interface
layer 3 - General aspects
ITU-T Rec. Q.931 (05/98) ISDN user-network interface layer 3 specification for basic call control
ITU-T Rec. Q.932 (05/98) Digital Subscriber Signalling System No. 1 - Generic procedures for the control of
ISDN supplementary services
ITU-T Rec. Q.932 Amendment 1 (06/00) Digital Subscriber Signalling System No. 1 - Network layer -
To be
published
ITU-T Rec. Q.933 bis (10/95) PICS and abstract test suite for frame mode basic call control
conformance
testing of PVCs - Section 1: user and network sides of user-network interface
ITU-T Rec. Q.933 (10/95) Integrated services digital network (ISDN) digital subscriber signalling
system No.
1 (DSS 1) - Signalling specifications for frame mode switched and permanent virtual connection
control and
status monitoring
ITU-T Rec. Q.939 (03/93) Digital Subscriber Signalling System No. 1 (DSS 1)- Typical DSS 1 service
indicator
codings for ISDN telecommunications services
.ITU-T Rec. Q.940 (11/88) ISDN user-network interface protocol for management - General aspects
ITU-T Rec. Q.941 (03/93) Digital Subscriber Signalling System No. 1 (DSS 1) - ISDN user-network
interface
protocol profile for management
ITU-T Rec. Q.950 (06/00) Supplementary services protocols, structure and general principles - To be
published
ITU-T Rec. Q.951.1 (02/92) Stage 3 description for number identification supplementary services
using DSS
1 - Direct-Dialling-In (DDI)
ITU-T Rec. Q.951.3 (03/93) Stage 3 description for number identification supplementary services
using DSS
1: Calling line identification presentation (CLIP): Calling line identification restriction (CLIR):
Connected line...
ITU-T Rec. Q.951.7 (06/97) Stage 3 description for number identification supplementary services
using DSS
1: Malicious Call Identification (MCID)
ITU-T Rec. Q.952 (03/93) Stage 3 service description for call offering supplementary services using
DSS 1:
Diversion supplementary services
ITU-T Rec. Q.952.7 (06/97) Stage 3 description for call offering supplementary services using DSS 1:
Explicit
Call Transfer (ECT)
ITU-T Rec. Q.953.1 (02/92) Stage 3 description for call completion supplementary services using DSS
1: Call
waiting
ITU-T Rec. Q.953.2 (03/93) Stage 3 description for call completion supplementary services using DSS
1:
Clause 2 - Call hold
ITU-T Rec. Q.953.3 (06/97) Completion of Calls to Busy Subscribers (CCBS)
ITU-T Rec. Q.953.4 (10/95) Stage 3 description for call completion supplementary services using DSS
1:
Clause 4 - Terminal Portability (TP)
.ITU-T Rec. Q.953.5 (12/99) Call Completion on No Reply (CCNR)
ITU-T Rec. Q.954.1 Covering Note (03/93) Stage 3 description for multiparty supplementary services
using
DSS 1
ITU-T Rec. Q.954.1 (03/93) Stage 3 description for multiparty supplementary services using DSS 1:
Conference calling; Three-party service
ITU-T Rec. Q.954.2 (10/95) Integrated services digital network (ISDN) - Stage 3 description for
multiparty
supplementary services using DSS 1: Three party (3PTY)
ITU-T Rec. Q.955.1 (02/92) Stage 3 description for community of interest supplementary services
using DSS

1: Closed user group
ITU-T Rec. Q.955.3 (03/93) Stage 3 description for community of interest supplementary services using DSS

1: Multi-level precedence and preemption (MLPP)
ITU-T Rec. Q.956.2 (10/95) Integrated services digital network (ISDN) - Stage 3 service description for charging supplementary services using DSS 1: Clause 2 - Advice of charge (AOC)
ITU-T Rec. Q.956.3 (10/95) Integrated services digital network (ISDN) - Stage 3 description for charging supplementary services using DSS 1: Clause 3 - Reverse charging
ITU-T Rec. Q.957.1 (07/96) Stage 3 description for additional information transfer supplementary services using DSS 1: User-to-User Signalling (UUS)
ITU-T Rec. Q.1000 (11/88) Structure of the Q.1000-Series Recommendations for public land mobile networks
ITU-T Rec. Q.1001 (11/88) General aspects of public land mobile networks
ITU-T Rec. Q.1002 (11/88) Network functions
ITU-T Rec. Q.1003 (11/88) Location registration procedures
ITU-T Rec. Q.1004 (11/88) Location register restoration procedures
ITU-T Rec. Q.1005 (11/88) Handover procedures
ITU-T Rec. Q.1031 (11/88) General signalling requirements on interworking between the ISDN or PSTN and the PLMN
ITU-T Rec. Q.1032 (11/88) Signalling requirements relating to routing of calls to mobile subscribers
ITU-T Rec. Q.1061 (11/88) General aspects and principles relating to digital PLMN access signalling reference points
ITU-T Rec. Q.1062 (11/88) Digital PLMN access signalling reference configurations
ITU-T Rec. Q.1063 (11/88) Digital PLMN channel structures and access capabilities at the radio interface (Um reference point)
ITU-T Rec. Q.1100 (03/93) Interworking with Standard A INMARSAT system - Structure of the Recommendations on the INMARSAT mobile satellite systems
ITU-T Rec. Q.1101 (11/88) General requirements for the interworking of the terrestrial telephone network and INMARSAT Standard A system
ITU-T Rec. Q.1102 (11/88) Interworking between Signalling System R2 and INMARSAT Standard A system
ITU-T Rec. Q.1103 (11/88) Interworking between Signalling System No. 5 and INMARSAT Standard A system
ITU-T Rec. Q.1111 (03/93) Interfaces between the INMARSAT Standard B system and the international public switched telephone network/ISDN
ITU-T Rec. Q.1112 (03/93) Procedures for interworking between INMARSAT Standard-B system and the international public switched telephone network/ISDN
ITU-T Rec. Q.1151 (03/93) Interfaces for interworking between the INMARSAT aeronautical mobile-satellite system and the international public switched telephone network/ISDN
ITU-T Rec. Q.1152 (03/93) Procedures for interworking between INMARSAT aeronautical mobile satellite system and the international public switched telephone network/ISDN
ITU-T Rec. Q.1200 (09/97) General series Intelligent Network Recommendation structure
ITU-T Rec. I.312/Q.1201 (10/92) Principles of intelligent network architecture
ITU-T Rec. I.328/Q.1202 (09/97) Intelligent Network - Service plane architecture
ITU-T Rec. I.329/Q.1203 (09/97) Intelligent Network - Global functional plane architecture
ITU-T Rec. Q.1204 (03/93) Intelligent network distributed functional plane architecture
ITU-T Rec. Q.1205 (03/93) Intelligent network physical plane architecture
ITU-T Rec. Q.1208 (09/97) General aspects of the Intelligent Network Application protocol
ITU-T Rec. Q.1210 (10/95) Q.1210-Series Intelligent Network Recommendation structure
Q.1210-Series Intelligent Network Recommendation structure
ITU-T Rec. Q.1211 (03/93) Introduction to intelligent network capability set 1
ITU-T Rec. Q.1213 (10/95) Global functional plane for intelligent network CS-1

ITU-T Rec. Q.1214 (10/95) Distributed functional plane for intelligent network CS-1
ITU-T Rec. Q.1215 (10/95) Physical plane for intelligent network CS-1
.ITU-T Rec. Q.1218 Addendum 1 (09/97) Definition for two new contexts in the SDF data model
ITU-T Rec. Q.1218 (10/95) Interface recommendation for intelligent network CS-1
ITU-T Rec. Q.1219 (04/94) Intelligent network user's guide for Capability Set 1
ITU-T Rec. Q.1219 Supplement 1 (09/97) Intelligent Network user's guide: Supplement for IN CS-1;
Supplement 1
ITU-T Rec. Q.1220 (09/97) Q.1220-series Intelligent Network Capability Set 2 Recommendation
structure
ITU-T Rec. Q.1221 (09/97) Introduction to Intelligent Network Capability Set 2
ITU-T Rec. Q.1222 (09/97) Service plane for Intelligent Network Capability Set 2
ITU-T Rec. Q.1223 (09/97) Global functional plane for Intelligent Network Capability Set 2
ITU-T Rec. Q.1224 (09/97) Distributed functional plane for intelligent network Capability Set 2: Part 1
ITU-T Rec. Q.1224 (09/97) Distributed functional plane for intelligent network Capability Set 2: Part 2
ITU-T Rec. Q.1224 (09/97) Distributed functional plane for intelligent network Capability Set 2: Part 3
ITU-T Rec. Q.1225 (09/97) Physical plane for Intelligent Network Capability Set 2
ITU-T Rec. Q.1228 Fascicle 1/5 (09/97) Interface Recommendation for intelligent network Capability
Set 2
ITU-T Rec. Q.1228 Fascicle 2/5 (09/97) Interface Recommendation for intelligent network Capability
Set 2
ITU-T Rec. Q.1228 Fascicle 3/5 (09/97) Interface Recommendation for intelligent network Capability
Set 2
.ITU-T Rec. Q.1228 Fascicle 4/5 (09/97) Interface Recommendation for intelligent network Capability
Set 2
ITU-T Rec. Q.1228 Fascicle 5/5 (09/97) Interface Recommendation for intelligent network Capability
Set 2
ITU-T Rec. Q.1229 (03/99) Intelligent Network user's guide for Capability Set 2
ITU-T Rec. Q.1231 (12/1999) Introduction to Intelligent Network Capability Set 3
ITU-T Rec. Q.1236 (12/99) Intelligent Network Capability Set 3 - Management Information Model
Requirements and Methodology
ITU-T Rec. Q.1237 (06/00) Extensions to intelligent network capability set 3 in support of B-ISDN -
To be
published
ITU-T Rec. Q.1238.1 (06/00) Interface recommendation for intelligent network capability set 3:
Common
aspects - To be published
ITU-T Rec. Q.1238.2 (06/00) SCF-SSF interface - To be published
ITU-T Rec. Q.1238.3 (06/00) Interface recommendation for intelligent network capability set 3: SCF-
SRF
interface - To be published
ITU-T Rec. Q.1238.4 (06/00) Interface recommendation for intelligent network capability set 3: SCF-
SDF
interface - To be published
ITU-T Rec. Q.1238.5 (06/00) Interface recommendation for intelligent network capability set 3: SDF-
SDF
interface - To be published
ITU-T Rec. Q.1238.6 (06/00) Interface recommendation for intelligent network capability set 3: SCF-
SCF
interface - To be published
ITU-T Rec. Q.1238.7 (06/00) Interface recommendation for intelligent network capability set 3: SCF-
CUSF
interface - To be published
.ITU-T Rec. Q.1290 (05/98) Glossary of terms used in the definition of intelligent networks
ITU-T Rec. Q.1300 (10/95) Telecommunication applications for switches and computers (TASC)-
General
overview
ITU-T Rec. Q.1301 (10/95) Telecommunication applications for switches and computers (TASC)-
TASC
Architecture
ITU-T Rec. Q.1302 (10/95) Telecommunication applications for switches and computers (TASC)-
TASC
functional services
ITU-T Rec. Q.1303 (10/95) Telecommunication applications for switches and computers (TASC)-

TASC

Management : Architecture, methodology and requirements

ITU-T Rec. Q.1400 Addendum 1 (02/95) Architecture framework for the development of signalling and OAM

protocols using OSI concepts

ITU-T Rec. Q.1400 (03/93) Architecture framework for the development of signalling and OA&M protocols

using OSI concepts

ITU-T Rec. Q.1521 (06/00) Requirements on underlying networks and signalling protocols to support UPT -

To be published

ITU-T Rec. Q.1531 (06/00) UPT security requirements for service set 1 - To be published

ITU-T Rec. Q.1541 (05/98) UPT stage 2 for Service Set 1 on IN CS-1 - Procedures for universal personal

telecommunication: Functional modelling and information flows

ITU-T Rec. Q.1542 (06/00) UPT stage 2 for service set 1 on CS2 - Procedures for universal personal telecommunication functional modelling and information flows - To be published

ITU-T Rec. Q.1551 (06/97) Application of Intelligent Network Application Protocols (INAP) CS-1 for UPT

Service Set 1

.ITU-T Rec. Q.1600 bis Annex B/Amendment 1 (12/00) PIXIT proforma for ISDN User Part (ISUP) '97 and

INAP CS-1 - To be published

ITU-T Rec. Q.1600 (09/97) Signalling system No. 7 - Interaction between ISUP and INAP

ITU-T Rec. Q.1601 (12/1999) Signalling System No. 7 - Interaction between N-ISDN and INAP CS-2

ITU-T Rec. Q.1701 (03/99) Framework for IMT-2000 networks

ITU-T Rec. Q.1711 (03/99) Network functional model for IMT-2000

ITU-T Rec. Q.1721 (06/2000) Information flows for imt-2000 capability set 1

ITU-T Rec. Q.1731 (06/2000) Radio-technology independent requirements for IMT-2000 layer 2 radio interface

ITU-T Rec. Q.1751 (06/2000) Internetwork signalling requirements for IMT-2000 capability set 1

ITU-T Rec. Q.1901 (06/00) Bearer independent call control protocol - To be published

ITU-T Rec. Q.2010 (02/95) Broadband integrated services digital network overview - Signalling capability

set 1, release 1

ITU-T Rec. Q.2100 (07/94) B-ISDN signalling ATM adaptation layer (SAAL) overview description

ITU-T Rec. Q.2110 (07/94) B-ISDN ATM adaptation layer - Service specific connection oriented protocol

(SSCOP)

ITU-T Rec. Q.2111 (12/99) B-ISDN ATM Adaptation Layer Service Specific Connection Oriented Protocol in a

Multi-link and Connectionless Environment (SSCOPMCE) - To be published

.ITU-T Rec. Q.2119 (07/96) B-ISDN ATM adaptation layer - Convergence function for SSCOP above the frame

relay core service

ITU-T Rec. Q.2120 (02/95) B-ISDN meta-signalling protocol

ITU-T Rec. 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)

ITU-T Rec. Q.2140 (02/95) B-ISDN ATM adaptation layer - Service specific coordination function for signalling at the network node interface (SSCF AT NNI)

ITU-T Rec. Q.2144 (10/95) B-ISDN signalling ATM adaptation layer (SAAL) - Layer management for the SAAL

at the network node interface (NNI)

ITU-T Rec. Q.2150.1 (12/99) AAL type 2 signalling transport converter on broadband MTP

ITU-T Rec. Q.2150.2 (12/99) AAL type 2 signalling transport converter on SSCOP

ITU-T Rec. Q.2210 (07/96) Message transfer part level 3 functions and messages using the services of ITU-T

Recommendation Q.2140

ITU-T Rec. Q.2610 (12/99) Usage of cause and location in B-ISDN user part and DSS 2

ITU-T Rec. Q.2630.1 (12/1999) AAL type 2 signalling protocol - Capability set 1

ITU-T Rec. Q.2630.1 Annex B (03/01) SDL definition of the AAL type 2 signalling protocol CS1 - To be

be

published

ITU-T Rec. Q.2630.2 (12/00) AAL type 2 signalling protocol - Capability Set 2 - To be published

ITU-T Rec. Q.2650 (12/1999) Interworking between signalling system No. 7 broadband ISDN user part (B-ISUP) and digital subscriber signalling system No. 2 (DSS2)

.ITU-T Rec. Q.2660 (12/99) Interworking between signalling system No. 7 broadband ISDN user part (B-ISUP) and narrow-band ISDN user part (N-ISUP)

ITU-T Rec. Q.2722.1 (07/96) B-ISDN User Part - Network Node Interface specification for point-to-multipoint call/connection control

ITU-T Rec. Q.2722.1 Amendment 1 (06/00) B-ISDN user part - Network node interface specification for point-to-multipoint call/connection control - To be published

ITU-T Rec. Q.2724.1 (07/96) B-ISDN User Part - Look-ahead without state change for the Network Node Interface (NNI)

ITU-T Rec. Q.2726.2 (07/96) B-ISDN User Part - Call priority

ITU-T Rec. Q.2726.3 (07/96) B-ISDN User Part - Network generated session identifier

ITU-T Rec. Q.2726.4 (06/2000) Extensions to the B-ISDN user part - Application generated identifiers

ITU-T Rec. Q.2730 (12/99) Signalling system No. 7 B-ISDN user part (B-ISUP) - Supplementary services

ITU-T Rec. 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)

ITU-T Rec. Q.2751.1 (09/97) Extension of Q.751.1 for SAAL signalling links

ITU-T Rec. Q.2761 (12/1999) Functional description of the B-ISDN user part (B-ISUP) of signalling system No. 7

ITU-T Rec. Q.2762 (12/1999) General functions of messages and signals of the B-ISDN user part (B-ISUP) of Signalling System No. 7

ITU-T Rec. Q.2763 (02/95) Broadband Integrated Services Digital Network (B-ISDN) - Signalling System No. 7 B-ISDN User Part (B-ISUP) - Formats and codes

.ITU-T Rec. Q.2764 (12/99) - Broadband Integrated Services Digital Network (B-ISDN) - Signalling System No. 7 B-ISDN User Part (B-ISUP) - Basic Call Procedures - To be published

ITU-T Rec. Q.2765 (12/1999) Signalling System No. 7 B-ISDN User Part (B-ISUP) - Application Transport Mechanism (APM)

ITU-T Rec. Q.2766.1 (05/98) Switched virtual path capability

ITU-T Rec. Q.2766.1 Amendment 1 (06/00) Switched virtual path capability - To be published

ITU-T Rec. Q.2767.1 (06/00) Soft PVC capability - To be published

ITU-T Rec. Q.2769.1 (06/00) Support of number portability information across B-ISUP - To be published

ITU-T Rec. Q.2931 Bis (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 ...To be published

ITU-T Rec. Q.2931 Quater (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... - To be published

ITU-T Rec. Q.2931 Quinquies (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... - To be published

ITU-T Rec. Q.2931 Sexies (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... - To be published

ITU-T Rec. Q.2931 Ter (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... To be published

.ITU-T Rec. Q.2931 (02/95) 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

ITU-T Rec. Q.2931 Amendment 1 (06/97) Digital Subscriber Signalling System No. 2 - User-Network Interface (UNI) layer 3 specification for basic call/connection control

ITU-T Rec. Q.2931 Amendment 2/Corrigendum 1 (06/00) Digital subscriber signalling system No. 2 - User-network interface (UNI) layer 3 specification for basic call/connection control - To be published

ITU-T Rec. Q.2931 Amendment 2 (03/99) Digital subscriber signalling system No. 2 - User-network interface (UNI) layer 3 specification for basic call/connection control - Amendment 2

ITU-T Rec. Q.2931 Amendment 3 (03/99) User-network interface (UNI) layer 3 specification for basic call/connection control - Amendment 3

ITU-T Rec. Q.2931 Amendment 4 (12/1999) Digital Subscriber Signalling System No. 2 - User-Network Interface (UNI) Layer 3 specification for basic call/connection control - Amendment 4

ITU-T Rec. Q.2932.1 (07/96) Digital Subscriber Signalling System No. 2 - Generic functional protocol: Core functions

ITU-T Rec. Q.2933 (07/96) Digital Subscriber Signalling System No. 2 (DSS 2) - Signalling specification for Frame Relay service

ITU-T Rec. Q.2934 (05/98) Digital Subscriber Signalling System No. 2 - Switched virtual path capability

ITU-T Rec. Q.2939.1 (09/97) Digital Subscriber Signalling System No. 2 - Application of DSS 2 service-related information elements by equipment supporting B-ISDN services

ITU-T Rec. Q.2941.1 (09/97) Digital Subscriber Signalling System No. 2 - Generic identifier transport

.ITU-T Rec. Q.2941.2 (12/1999) Digital subscriber signalling system No. 2 (DSS2) - Generic identifier transport extensions

ITU-T Rec. Q.2941.3 (06/2000) Digital subscriber signalling system No. 2 (DSS2) - Generic identifier transport extension for support of bearer independent call control

ITU-T Rec. Q.2951 Corrigendum 1 (05/98) Stage 3 description for number identification supplementary services using B-ISDN Digital Subscriber Signalling System No.2 (DSS 2) - Basic call - Corrigendum 1

ITU-T Rec. Q.2951 (02/95) Stage 3 description for number identification supplementary services using B-ISDN Digital Subscriber Signalling System No. 2 (DSS 2) - Basic call

ITU-T Rec. Q.2951.9 (12/1999) 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...

ITU-T Rec. Q.2955.1 (06/97) Stage 3 description for community of interest supplementary services using B-ISDN Digital Subscriber Signalling System No. 2 (DSS 2): Closed User Group (CUG)

ITU-T Rec. Q.2957.1 (02/95) User-to-user signalling (UUS)

ITU-T Rec. Q.2957.1 Amendment 1 (12/1999) 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) - Amendment 1

ITU-T Rec. Q.2959 (07/96) Digital subscriber signalling system No. 2 - Call priority

ITU-T Rec. Q.2961 Bis (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... - To be published

ITU-T Rec. Q.2961 Quater (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) pro forma for... - To be published
.ITU-T Rec. Q.2961 Quinquies (12/00) - Digital subscriber signalling system No. 2 (DSS 2) - Additional traffic parameters - Test Suite Structure and Test Purposes (TSS&TP) for the network - To be published
ITU-T Rec. Q.2961 Sexies (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) pro forma for... - To be published
ITU-T Rec. Q.2961 Ter (12/00) - Digital subscriber signalling system No. 2 (DSS 2) - Additional traffic parameters - Test Suite Structure and Test Purposes (TSS&TP) for the user - To be published
ITU-T Rec. Q.2961 (10/95) Broadband integrated services digital network (B-ISDN) - Digital subscriber signalling system No. 2 (DSS 2) - Additional traffic parameters
ITU-T Rec. Q.2961.1 (10/95) Broadband integrated services digital network (B-ISDN) - Digital subscriber signalling system No. 2 (DSS 2) - Additional traffic parameters
ITU-T Rec. Q.2961.2 Corrigendum 1 (03/99) Digital subscriber signalling system No. 2 - Additional traffic parameters: Support of ATM transfer capability in the broadband bearer capability information element
ITU-T Rec. Q.2961.2 (06/97) Digital subscriber signalling system No. 2 - Additional traffic parameters:
Support of ATM transfer capability in the broadband bearer capability information element
ITU-T Rec. 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
ITU-T Rec. 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
ITU-T Rec. Q.2961.5 (03/99) Digital subscriber signalling system No. 2 - Additional traffic parameters:
Additional traffic parameters for cell delay variation tolerance indication
ITU-T Rec. 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
.ITU-T Rec. Q.2962 Bis (12/00) - Digital subscriber signalling system No. 2 - Connection characteristics negotiation during call/connection establishment phase Protocol Implementation Conformance Statement
(PICS) pro forma - To be published
ITU-T Rec. Q.2962 Quarter (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... - To be published
ITU-T Rec. Q.2962 Quinquies (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 - To be published
ITU-T Rec. Q.2962 Sexies (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... - To be published
ITU-T Rec. Q.2962 Ter (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 - To be published
ITU-T Rec. Q.2962 (05/98) Digital Subscriber Signalling System No. 2 - Connection characteristics negotiation during call/connection establishment phase

ITU-T Rec. Q.2963.1 Bis (12/00) - Digital Subscriber Signalling System No. 2 - Connection Modification:
Peak Cell Rate Modification by the Connection Owner - Protocol Implementation Conformance Statement (PICS) Proforma - To be published

ITU-T Rec. Q.2963.1 Quarter (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... - To be published

ITU-T Rec. Q.2963.1 Quinquies (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 - To be published

.ITU-T Rec. Q.2963.1 Sexies (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... To be published

ITU-T Rec. Q.2963.1 Ter (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 - To be published

ITU-T Rec. Q.2963.1 (12/1999) Digital subscriber signalling system No. 2 - Connection modification:
Peak cell rate modification by the connection owner

ITU-T Rec. Q.2963.2 (09/97) Digital Subscriber Signalling Systems No. 2 - Connection modification:
Modification procedures for sustainable cell rate parameters

ITU-T Rec. Q.2963.3 (05/98) Digital Subscriber Signalling System No. 2 - Connection modification:
ATM traffic descriptor modification with negotiation by the connection owner

ITU-T Rec. Q.2964.1 (07/96) Digital Subscriber Signalling System No. 2: Basic Look-Ahead

ITU-T Rec. Q.2965.1 Bis (12/00) Digital subscriber signalling system No. 2 - Support of Quality of Service classes: Protocol Implementation Conformance Statement (PICS) proforma - To be published

ITU-T Rec. Q.2965.1 (03/99) Digital subscriber signalling system No. 2 - Support of Quality of Service classes

ITU-T Rec. Q.2965.1 Amendment 1 (06/00) Digital subscriber signalling system No. 2 - Support of Quality of Service classes - To be published

ITU-T Rec. Q.2965.2 Bis (12/00) Digital subscriber signalling system No. 2 - Signalling of individual Quality of Service parameters: Protocol Implementation Conformance Statement (PICS) proforma - To be published

ITU-T Rec. Q.2965.2 (12/1999) Digital subscriber signalling system No. 2 - Signalling of individual Quality of Service parameters

.ITU-T Rec. Q.2971 Corrigendum 1 (12/99) Digital subscriber signalling system No. 2 (DSS2) - User-Network Interface Layer 3 specification for point-to-multipoint Call/Connection Control

ITU-T Rec. Q.2971 C (12/1999) 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 Rec. Q.2971 D (12/1999) 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...

ITU-T Rec. Q.2971 (10/95) Broadband integrated services digital network (B-ISDN) - Digital subscriber signalling system No. 2 (DSS 2) - User-network interface layer 3 specification for point-to-multipoint

call/connection control
ITU-T Rec. Q.2971 E (12/1999) 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 Rec. Q.2971 F (12/1999) 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...
ITU-T Rec. Q.2981 (12/99) Broadband Integrated Services Digital Network (B-ISDN) and Broadband Private Integrated Services Network (B-PISN) call control protocol - To be published
ITU-T Rec. Q.2982 (12/99) Broadband integrated services digital network (B-ISDN) - Digital subscriber signalling No. 2 (DSS2) - Q.2931-based separated call control protocol
ITU-T Rec. Q.2983 (12/99) Broadband integrated services digital network (B-ISDN) - Digital subscriber signalling No. 2 (DSS2) - Bearer control protocol
ITU-T Rec. Q.2984 (12/1999) Broadband Integrated Services Digital Network (B-ISDN) and Broadband Private Integrated Services Network (B-PISN) - Prenegotiation
.ITU-T Rec. Q.2991.1 (12/99) Abstract test suite for the network integration testing for B-ISDN and B-ISDN/N-ISDN: TSS&TP - To be published
ITU-T Rec. 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 - To be published
ITU-T Rec. Series Q Supplement 3 (05/98) Number portability - Scope and capability set 1 architecture
ITU-T Rec. Series Q Supplement 4 (05/98) Number portability - Capability set 1 requirements for service provider portability (All call query and Onward routing)
ITU-T Rec. Q Supplement 5 (03/99) Number portability - Capability set 2 requirements for service provider portability (Query on release and Dropback)
ITU-T Rec. Series Q Supplement 6 (03/99) Technical report TRQ.2000: Roadmap for the TRQ.2xxx-series technical reports
ITU-T Rec. Series Q Supplement 7 (03/99) Technical report TRQ.2001: General aspects for the development of unified signalling requirements
ITU-T Rec. Series Q Supplement 8 (03/99) Technical report TRQ.2400: Transport control signalling requirements - Signalling requirements for AAL type 2 link control capability set 1
ITU-T Rec. Q. Supplement 9 (12/00) Technical Report TRQ.2000: Updated roadmap for the TRQ.2xxxx-Series Technical Reports - To be published
ITU-T Rec. Series Q Supplement 10 (12/1999) Technical Report TRQ.2002: Information Flow Elements
ITU-T Rec. Series Q Supplement 11 (12/1999) Technical Report TRQ.2010: B-ISDN signalling interworking requirements
ITU-T Rec. Series Q Supplement 12 (12/1999) Technical Report TRQ.2100: Coordinated call control and bearer control signalling requirements - Root-party coordinated call and bearer control
.ITU-T Rec. Series Q Supplement 13 (12/1999) Technical Report TRQ.2110: Coordinated call control and bearer control signalling requirements - Leaf-party coordinated call and bearer control
ITU-T Rec. Series Q Supplement 14 (12/1999) Technical Report TRQ.2120: Coordinated call control and bearer control signalling requirements - Third party coordinated call and bearer control
ITU-T Rec. Series Q Supplement 15 (12/1999) Technical Report TRQ.2130: Coordinated call control and bearer control signalling requirements for leaf initiated join service
ITU-T Rec. Q Supplement 16 (12/99) - Signalling requirements for the support of narrowband services via

broadband transport technologies - To be published
 ITU-T Rec. Series Q Supplement 17 (12/1999) Technical Report TRQ.2200: Call control signalling requirements - Party call control
 ITU-T Rec. Series Q Supplement 18 (12/1999) Technical Report TRQ.2230: Call control signalling requirements for Join Call service
 ITU-T Rec. Series Q Supplement 19 (12/1999) Technical Report TRQ.2300: Bearer control signalling requirements - Root-party bearer control
 ITU-T Rec. Series Q Supplement 20 (12/1999) Technical Report TRQ.2310: Bearer control signalling requirements - Leaf-party bearer control
 ITU-T Rec. Series Q Supplement 21 (12/1999) Technical Report TRQ.2320: Bearer Control Signalling Requirements - Third-party Bearer Control
 ITU-T Rec. Series Q Supplement 22 (12/1999) Technical Report TRQ.3000: Operation of the bearer independent call control (BICC) protocol with digital subscriber signalling system No. 2 (DSS2)
 ITU-T Rec. Series Q Supplement 23 (12/1999) Supplement to ITU-T Q.1901 Recommendation - Technical Report TRQ.3010: Operation of the bearer independent call control (BICC) protocol with AAL type 2 signalling protocol (CS-1)
 ITU-T Rec. Series Q Supplement 24 (12/1999) Technical Report TRQ.3020: Operation of the Bearer Independent Call Control (BICC) protocol with broadband integrated services digital network User Part (B-ISUP) for AAL type 1 adaptation
 ITU-T Rec. Series Q Supplement 25 (12/1999) Supplement to the Q.2900-series Recommendations: Broadband integrated services digital network (B-ISDN) - Digital subscriber signalling system No. 2 (DSS2) - User-network interface layer 3 - Overview of...
 ITU-T Rec. Series Q Supplement 26 (12/1999) Broadband Integrated Services Digital Network (B-ISDN) - Digital Subscriber Signalling System No. 2 (DSS2) and Signalling System No. 7 (B-ISUP) - Support of Services over IP-based networks
 ITU-T Rec. Series Q Supplement 27 (12/1999) Technical Report: Overview of Signalling and Protocol Framework for an Evolving Environment (SPFEE)
 ITU-T Rec. Series Q Supplement 29 (12/1999) Service modelling: Evolution to the use of object oriented techniques
 ITU-T Rec. Q. Supplement 30 (12/00) Supplement to ITU-T Recommendation Q.1701: Specifications of International Mobile Telecommunications-2000 (IMT-2000) - To be published
 ITU-T Rec. Q. Supplement 31 (12/00) TRQ.2141.0: Signalling Requirements for the Support of Narrow-band Services over Broadband Technologies CS-2 - To be published
 ITU-T Rec. Q. Supplement 32 (12/00) TRQ.2141.1: Signalling Requirements for the Support of Narrow-band Services via Broadband Transport Technologies CS-2 - Signalling Flows - To be published
 ITU-T Rec. Q. Supplement 33 (12/00) TRQ.2401: Requirements for Q.AAL2 Capability Set 2 - To be published
 ITU-T Rec. Q. Supplement 34 (12/00) TRQ.2410: Signalling Requirements CS1 for the support of IP Bearer Control in BICC networks - To be published
 ITU-T Rec. Q. Supplement 35 (12/00) TRQ.2500: Signalling Requirements for Call Bearer Interface (CS-1) - To be published
 ITU-T Rec. Q. Supplement 36 (12/00) Supplement to Q.1902, TRQ.3030: Supplement for BICC Operations with IP Bearer Control Protocol (IPBCP) - To be published
 ITU-T Rec. Q. Supplement 37 (12/00) DSS 1 and DSS 2 Messages and Information Element Identifiers - To be published

Series R Telegraph transmission

ITU-T Rec. R.2 (11/88) Element error rate

ITU-T Rec. R.4 (11/88) Methods for the separate measurements of the degrees of various types of telegraph distortion

ITU-T Rec. R.5 (03/93) Observation conditions recommended for routine distortion measurements on international telegraph circuits

ITU-T Rec. R.9 (03/93) How the laws governing distribution of distortion should be arrived at

ITU-T Rec. R.11 (03/93) Calculation of the degree of distortion of a telegraph circuit in terms of the degrees of distortion of the component links

ITU-T Rec. R.20 (11/88) Telegraph modem for subscriber lines

ITU-T Rec. R.21 (08/96) 9600 bit/s modem standardized for use in the telegraph TDM system

ITU-T Rec. R.22 (08/96) Data over voice 19 200 bit/s modem standardized for use on telephone network subscriber lines

ITU-T Rec. R.30 (11/88) Transmission characteristic for international VFT links

ITU-T Rec. R.31(11/88) Standardization of AMVFT systems for a modulation rate of 50 bauds

ITU-T Rec. R.35 bis (11/88) 50-baud wideband VFT systems

ITU-T Rec. R.35 (11/88) Standardization of FMVFT systems for a modulation rate of 50 bauds

ITU-T Rec. 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

ITU-T Rec. R.37 (11/88) Standardization of FMVFT systems for a modulation rate of 100 bauds

ITU-T Rec. R.38 A (11/88) Standardization of FMVFT system for a modulation rate of 200 bauds with channels spaced at 480 Hz

ITU-T Rec. R.38 B (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

ITU-T Rec. R.39 (11/88) Voice-frequency telegraphy on radio circuits

ITU-T Rec. R.40 (11/88) Coexistence in the same cable of telephony and super-telephone telegraphy

ITU-T Rec. R.43 (11/88) Simultaneous communication by telephone and telegraph on a telephone-type circuit

ITU-T Rec. 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

ITU-T Rec. R.49 (11/88) Interband telegraphy over open-wire 3-channel carrier systems

ITU-T Rec. R.50 (11/88) Tolerable limits for the degree of isochronous distortion of code-independent 50-baud telegraph circuits

ITU-T Rec. R.51 bis (11/88) Standardized text for testing the elements of a complete circuit

ITU-T Rec. R.51 (11/88) Standardized text for distortion testing of the code-independent elements of a complete circuit

ITU-T Rec. R.52 (11/88) Standardization of international texts for the measurement of the margin of start-stop equipment

ITU-T Rec. R.53 (11/88) Permissible limits for the degree of distortion on an international 50-baud/120-Hz VFT channel (frequency and amplitude modulation)

ITU-T Rec. R.54 (03/93) Conventional degree of distortion tolerable for standardized start-stop 50-baud systems

ITU-T Rec. R.55 (03/93) Conventional degree of distortion

ITU-T Rec. R.56 (03/93) Telegraph distortion limits to be quoted in Recommendations for equipment and transmission plans

ITU-T Rec. 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

ITU-T Rec. R.58 bis (11/88) Limits on signal transfer delay for telegraph, telex and gentex networks

ITU-T Rec. R.58 (11/88) Standard limits of transmission quality for the gentex and telex networks

ITU-T Rec. R.59 (11/88) Interface requirements for 50-baud start-stop telegraph transmission in the maritime mobile satellite service

ITU-T Rec. R.60 (11/88) Conditions to be fulfilled by regenerative repeaters for start-stop signals of International Telegraph Alphabet No. 2

ITU-T Rec. R.62 (11/88) Siting of regenerative repeaters in international telex circuits

ITU-T Rec. R.70 bis (11/88) Numbering of international VFT channels
ITU-T Rec. R.70 (11/88) Designation of international telegraph circuits
ITU-T Rec. R.71 (11/88) Organization of the maintenance of international telegraph circuits
ITU-T Rec. R.72 (11/88) Periodicity of maintenance measurements to be carried out on the channels of international VFT systems
ITU-T Rec. R.73 (11/88) Maintenance measurements to be carried out on VFT systems
ITU-T Rec. R.74 (11/88) Choice of type of telegraph distortion-measuring equipment
ITU-T Rec. R.75 bis (11/88) Maintenance measurements of character error rate on international sections of international telegraph circuits
ITU-T Rec. R.75 (11/88) Maintenance measurements on code-independent international sections of international telegraph circuits
ITU-T Rec. R.76 (11/88) Reserve channels for maintenance measurements on channels of international VFT systems
ITU-T Rec. R.77 (11/88) Use of bearer circuits for voice-frequency telegraphy
ITU-T Rec. R.78 (11/88) Pilot channel for AMVFT systems
ITU-T Rec. R.79 (11/88) Automatic tests of transmission quality on telegraph circuits between switching centres
ITU-T Rec. R.80 (11/88) Causes of disturbances to signals in VFT channels and their effect on telegraph distortion
ITU-T Rec. R.81 (11/88) Maximum acceptable limit for the duration of interruption of telegraph channels arising from failure of the normal power supplies
ITU-T Rec. R.82 (11/88) Appearance of false calling and clearing signals in circuits operated by switched teleprinter services
ITU-T Rec. R.83 (11/88) Changes of level and interruptions in VFT channels
ITU-T Rec. R.90 (11/88) Organization for locating and clearing faults in international telegraph switched networks.

ITU-T Rec. R.91 (11/88) General maintenance aspects for the maritime satellite telex service
ITU-T Rec. R.100 (03/93) Transmission characteristics of international TDM links
ITU-T Rec. R.101 (03/93) Code and speed dependent TDM system for anisochronous telegraph and data transmission using bit interleaving
ITU-T Rec. R.102 (03/93) 4800 bit/s code and speed dependent and hybrid TDM systems for anisochronous telegraph and data transmission using bit interleaving
ITU-T Rec. R.103 (11/88) Code and speed-dependent TDM 600 bit/s system for use in point-to-point or branch-line muldex configurations
ITU-T Rec. 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
ITU-T Rec. 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
ITU-T Rec. R.111 (03/93) Code and speed independent TDM system for anisochronous telegraph and data transmission
ITU-T Rec. R.112 (03/93) TDM hybrid system for anisochronous telegraph and data transmission using bit interleaving
ITU-T Rec. R.113 (03/93) Combined muldex for telegraphy and synchronous data transmission
ITU-T Rec. R.114 (03/93) Numbering of international TDM channels
ITU-T Rec. R.115 (03/93) Maintenance loops for TDM-systems
ITU-T Rec. R.116 (11/88) Maintenance tests to be carried out on international TDM systems

ITU-T Rec. R.117 (03/93) End-to-end error performance of telegraph, telex and gentex connections involving regenerative equipment
ITU-T Rec. R.118 (03/93) Performance and availability monitoring in regenerative TDM
ITU-T Rec. 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
ITU-T Rec. R.121 (11/88) Standard limits of transmission quality for start-stop user classes of service 1 and 2 on anisochronous data networks
ITU-T Rec. R.122 (11/88) Summary of transmission plans for rates up to 300 bauds
ITU-T Rec. R.140 (11/88) Definitions of essential technical terms in the field of telegraph transmission
ITU-T Rec. R.150 (11/88) Automatic protection switching of dual diversity bearers

Series S Telegraph services terminal equipment

ITU-T Rec. S.1 (03/93) International Telegraph Alphabet No. 2
ITU-T Rec. S.2 (11/88) Coding scheme using International Telegraph Alphabet No. 2 (ITA2) to allow the transmission of capital and small letters
ITU-T Rec. S.3 (11/88) Transmission characteristics of the local end with its termination (ITA2)
ITU-T Rec. S.4 (03/93) Special use of certain characters of the International Telegraph Alphabet No. 2
ITU-T Rec. S.5 (11/88) Standardization of page-printing start-stop equipment and cooperation between page-printing and tape-printing start-stop equipment (ITA2)
ITU-T Rec. S.6 (11/88) Characteristics of answerback units (ITA2)
ITU-T Rec. S.7 (11/88) Control of teleprinter motors
ITU-T Rec. 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
ITU-T Rec. S.9 (11/88) Switching equipment of start-stop apparatus
ITU-T Rec. S.10 (11/88) Transmission at reduced character transfer rate over a standardized 50-baud telegraph channel
ITU-T Rec. S.11 (11/88) Use of start-stop reperforating equipment for perforated tape retransmission
ITU-T Rec. S.12 (11/88) Conditions that must be satisfied by synchronous systems operating in connection with standard 50-baud teleprinter circuits
ITU-T Rec. S.13 (11/88) Use on radio circuits of 7-unit synchronous systems giving error correction by automatic repetition
ITU-T Rec. S.14 (11/88) Suppression of unwanted reception in radiotelegraph multi-destination teleprinter systems
ITU-T Rec. S.15 (11/88) Use of the telex network for data transmission at 50 bauds
ITU-T Rec. S.16 (03/93) Connection to the telex network of an automatic terminal using a V.24 DCE/DTE interface
ITU-T Rec. S.17 (11/88) Answer-back unit simulators
ITU-T Rec. S.18 (11/88) Conversion between International Telegraph Alphabet No. 2 and International Alphabet No. 5
ITU-T Rec. S.19 (11/88) Calling and answering in the telex network with automatic terminal equipment
ITU-T Rec. S.20 (03/93) Automatic clearing procedure for a telex terminal
ITU-T Rec. S.21 (03/93) Use of display screens in telex machines
ITU-T Rec. S.22 (03/93) "Conversation impossible" and or pre-recorded message in response to J/BELL signals from a telex terminal
ITU-T Rec. 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
ITU-T Rec. S.30 (11/88) Standardization of basic model page-printing machine using International Alphabet

No. 5

ITU-T Rec. S.31 (11/88) Transmission characteristics for start-stop data terminal equipment using International Alphabet No. 5

ITU-T Rec. S.32 (11/88) Answer-back units for 200- and 300-baud start-stop machines in accordance with

Recommendation S.30

.ITU-T Rec. S.33 (03/93) Alphabets and presentation characteristics for the intex service

ITU-T Rec. S.34 (03/93) Intex terminals - Requirements to effect interworking with the international telex service

ITU-T Rec. S.35 (03/93) Answerback coding for the Intex service

ITU-T Rec. S.36 (07/96) INTEX and similar services - Terminal requirements to effect interworking between

terminals operating at different speeds

ITU-T Rec. S.140 (11/88) Definitions of essential technical terms relating to apparatus for alphabetic telegraphy

Series T Terminals for telematic services

ITU-T Rec. T.0 (07/96) Classification of facsimile terminals for document transmission over the public networks

ITU-T Rec. T.1 (11/88) Standardization of phototelegraph apparatus

ITU-T Rec. T.4 (04/99) Standardization of Group 3 facsimile terminals for document transmission

ITU-T Rec. T.4 Amendment 1 (02/2000) Standardization of Group 3 facsimile terminals for document transmission - Amendment 1

ITU-T Rec. T.4 Amendment 2 (02/00) Standardization of Group 3 facsimile terminals for document transmission - To be published

ITU-T Rec. T.6 (11/88) Facsimile coding schemes and coding control functions for Group 4 facsimile apparatus

ITU-T Rec. T.10 bis (11/88) Document facsimile transmissions in the general switched telephone network

ITU-T Rec. T.10 (11/88) Document facsimile transmissions on leased telephone-type circuits

ITU-T Rec. T.22 (03/93) Standardized test charts for document facsimile transmissions

ITU-T Rec. T.23 (04/94) Standardized colour test chart for document facsimile transmissions

ITU-T Rec. T.24 (06/98) - Standardized digitized image set

ITU-T Rec. T.24 Amendment 1 (02/00) Standardized digitized image set - To be published

ITU-T Rec. T.30 (04/99) Procedures for document facsimile transmission in the general switched telephone network

.ITU-T Rec. T.30 Amendment 1 (02/00) Procedures for document facsimile transmission in the general switched telephone network - To be published

ITU-T Rec. T.30 Amendment 2 (02/00) Procedures for document facsimile transmission in the general switched telephone network - To be published

ITU-T Rec. T.30 Amendment 3 (03/01) Procedures for document facsimile transmission in the general switched telephone network - To be published

ITU-T Rec. T.31 (08/95) Asynchronous facsimile DCE control - Service Class 1

ITU-T Rec. T.31 Amendment 1 (07/96) Asynchronous facsimile DCE control - Service class 1 - Annex B -

Procedure for service class 1 support of V.34 Modems

ITU-T Rec. T.32 Covering Note (08/95) Asynchronous facsimile DCE control - Service Class 2

ITU-T Rec. T.32 (08/95) Asynchronous facsimile DCE control - Service Class 2

ITU-T Rec. T.32 Amendment 1 (07/96) Asynchronous facsimile DCE control - Service class 2

ITU-T Rec. T.33 (07/96) Facsimile routing utilizing the subaddress

ITU-T Rec. T.35 (02/2000) Procedure for the allocation of ITU-T defined codes for non-standard facilities

ITU-T Rec. T.35 Amendment 1 (02/00) Procedure for the allocation of ITU-T defined codes for non-standard facilities - To be published

ITU-T Rec. T.36 (07/97) Security capabilities for use with Group 3 facsimile terminals

ITU-T Rec. T.36 Amendment 1 (04/99) - Security capabilities for use with Group 3 facsimile terminals

ITU-T Rec. T.37 (06/98) Procedures for the transfer of facsimile data via store-and-forward on the Internet
.ITU-T Rec. T.37 Amendment 1 (09/99) Procedures for the transfer of facsimile data via store-and-forward on the Internet - Amendment 1: Full Mode
ITU-T Rec. T.37 Amendment 2 (03/01) Procedures for the transfer of facsimile data via store-and-forward on the Internet - To be published
ITU-T Rec. T.38 (06/98) Procedures for real-time Group 3 facsimile communication over IP networks
ITU-T Rec. T.38 Amendment 1 (04/99) Procedures for real-time Group 3 facsimile communication over IP networks
ITU-T Rec. T.38 Amendment 2 (02/00) Procedures for real-time Group 3 facsimile communication over IP networks - To be published
ITU-T Rec. T.38 Amendment 3 (11/00) Procedures for real-time Group 3 facsimile communication over IP networks - To be published
ITU-T Rec. T.39 (10/97) Application profiles for simultaneous voice and facsimile terminals
ITU-T Rec. T.42 (10/96) Continuous tone colour representation method for facsimile
ITU-T Rec. T.43 (07/97) Colour and gray-scale image representations using lossless coding scheme for facsimile
ITU-T Rec. T.43 Amendment 1 (02/2000) Colour and gray-scale image representations using lossless coding scheme for facsimile - Amendment 1: Accommodation of new and future Resolutions
ITU-T Rec. T.44 (04/99) Mixed raster content (MRC)
ITU-T Rec. T.44 Amendment 1 (02/2000) Mixed raster content (MRC) Amendment 1: Accommodation of new Annex B
ITU-T Rec. T.45 (02/2000) Run-length colour encoding
.ITU-T Rec. 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
ITU-T Rec. T.51 (09/92) Latin based coded character sets for telematic services
ITU-T Rec. T.51 Amendment 1 (08/95) Latin based coded character sets for telematic services
ITU-T Rec. T.52 (03/93) Non-latin coded character sets for telematic services
ITU-T Rec. T.52 Amendment 1 (10/96) Non-latin coded character sets for telematic services
ITU-T Rec. T.53 (04/94) Character coded control functions for telematic services
ITU-T Rec. T.62 bis (03/93) Control procedures for teletex and G4 facsimile services based on Recommendations X.215 and X.225
ITU-T Rec. T.62 (03/93) Control procedures for teletex and Group 4 facsimile services
ITU-T Rec. T.66 (04/99) Facsimile code points for use with Recommendations V.8 and V.8 bis
ITU-T Rec. T.66 Amendment 1 (02/2000) Facsimile code points for use with Recommendations V.8 and V.8 bis - Amendment 1
ITU-T Rec. T.70 (03/93) Network-independent basic transport service for the telematic services
ITU-T Rec. T.71 (11/88) Link access protocol balanced (LAPB) extended for half-duplex physical level facility
ITU-T Rec. T.80 (09/92) Common components for image compression and communication - Basic principles
ITU-T Rec. T.81 (09/92) Information technology - Digital compression and coding of continuous-tone still images - Requirements and guidelines
.ITU-T Rec. T.82 Corrigendum 1 (03/95) Information technology - Coded representation of picture and audio information - progressive bi-level image compression
ITU-T Rec. T.82 Corrigendum 2 (03/01) Information technology - Coded representation of picture and audio information - Progressive bi-level image compression - To be published
ITU-T Rec. T.82 (03/93) Information technology - Coded representation of picture and audio information - Progressive bi-level image compression
ITU-T Rec. T.83 (11/94) Information technology - Digital compression and coding of continuous-tone still images: Compliance testing

ITU-T Rec. T.84 (07/96) Information technology - Digital compression and coding of continuous-tone still images: Extensions
ITU-T Rec. T.84 Amendment 1 (04/99) Information technology - Digital compression and coding of continuous-tone still images: Extensions; Amendment 1: Provisions to allow registration of new compression types and versions in the SPIFF header
ITU-T Rec. T.85 Corrigendum 1 (02/97) Application profile for Recommendation T.82 - Progressive bi-level image compression (JBIG coding scheme) for facsimile apparatus
ITU-T Rec. T.85 (08/95) Application profile for Recommendation T.82 - Progressive bi-level image compression (JBIG coding scheme) for facsimile apparatus
ITU-T Rec. T.85 Amendment 1 (10/96) Application profile for Recommendation T.82 - Progressive bi-level image compression (JBIG coding scheme) for facsimile apparatus
ITU-T Rec. T.85 Amendment 2 (10/97) Application profile for Recommendation T.82 - Progressive bi-level image compression (JBIG coding scheme) for facsimile apparatus
ITU-T Rec. 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...
ITU-T Rec. T.87 (06/98) Information Technology - Lossless and near-lossless compression of continuous-tone still images - Baseline
ITU-T Rec. T.88 (02/00) Information technology - Coded representation of picture and audio information - Lossy/lossless coding of bi-level images - To be published
ITU-T Rec. T.89 (11/00) Application profiles for Recommendation T.88 - Lossy/lossless coding of bi-level images for facsimile apparatus - To be published
ITU-T Rec. T.90 (02/92) Characteristics and protocols for terminals for telematic services in ISDN
ITU-T Rec. T.90 Amendment 1 (11/94) Characteristics and protocols for terminals for telematic services in ISDN
ITU-T Rec. T.90 Amendment 2 (07/96) Characteristics and protocols for terminals for telematic services in ISDN
ITU-T Rec. T.90 Amendment 3 (06/98) Characteristics and protocols for terminals for telematic services in ISDN - Amendment 3: Cause value for a G4 Fax fall-back
ITU-T Rec. T.100 (11/88) International information exchange for interactive videotex
ITU-T Rec. T.101 (11/94) International interworking for videotex services
ITU-T Rec. T.101 (11/94) International interworking for videotex services
ITU-T Rec. T.101 (11/94) International interworking for videotex services
ITU-T Rec. T.102 (03/93) Syntax-based videotex end-to-end protocols for the circuit mode ISDN
ITU-T Rec. T.103 (03/93) Syntax-based videotex end-to-end protocols for the packet mode ISDN
ITU-T Rec. T.104 (03/93) Packet mode access for syntax-based videotex via PSTN
ITU-T Rec. T.105 (11/94) Syntax-based videotex application layer protocol
ITU-T Rec. T.106 (03/93) Framework of videotex terminal protocols
ITU-T Rec. T.107 (08/95) Enhanced man machine interface for videotex and other retrieval services (VEMMI)
ITU-T Rec. T.120 (07/96) Data protocols for multimedia conferencing
ITU-T Rec. T.120 Annex C (02/98) Data protocols for multimedia conferencing - Annex C: Lightweight profiles for the T.120 architecture
ITU-T Rec. T.121 (07/96) Generic application template
ITU-T Rec. T.122 (02/98) Multipoint communication service - Service definition
ITU-T Rec. T.123 (05/99) Network-specific data protocol stacks for multimedia conferencing
ITU-T Rec. T.124 (02/98) Generic Conference Control
ITU-T Rec. T.125 (02/98) Multipoint communication service protocol specification
ITU-T Rec. T.126 (07/97) Multipoint still image and annotation protocol
ITU-T Rec. T.127 (08/95) Multipoint binary file transfer protocol

ITU-T Rec. T.128 (02/98) Multipoint application sharing
ITU-T Rec. T.134 (02/98) Text chat application entity
.ITU-T Rec. T.135 (02/98) User-to-reservation system transactions within T.120 conferences
ITU-T Rec. T.136 (05/99) Remote device control application protocol
ITU-T Rec. T.137 (02/2000) Virtual meeting room management for multimedia conferencing
audiovisual
control
ITU-T Rec. T.140 Addendum 1 (02/2000) Protocol for multimedia application text conversation -
Addendum 1
ITU-T Rec. T.140 (02/98) Protocol for multimedia application text conversation
ITU-T Rec. T.150 (11/88) Telewriting terminal equipment
ITU-T Rec. T.170 (02/98) Framework of the T.170-Series of Recommendations
ITU-T Rec. T.171 (10/96) Protocols for interactive audiovisual services: coded representation of
multimedia
and hypermedia objects
ITU-T Rec. T.172 (02/98) MHEG-5 - Support for base-level interactive applications
ITU-T Rec. T.173 (07/97) MHEG-3 script interchange representation
ITU-T Rec. T.174 (10/96) Application programming interface (API) for MHEG-1
ITU-T Rec. T.175 (02/98) Application Programming Interface (API) for MHEG-5
ITU-T Rec. T.176 (02/98) Application Programming Interface (API) for Digital Storage Media
Command and
Control (DSM-CC)
ITU-T Rec. T.180 (06/98) Homogeneous access mechanism to communication services
.ITU-T Rec. T.190 (08/95) Cooperative document handling (CDH) - Framework and basic services
ITU-T Rec. T.191 (07/96) Cooperative document handling (CDH) - Joint synchronous editing (point-
to-point)
ITU-T Rec. T.192 (06/98) Cooperative document handling - Complex services: Joint synchronous
editing and
joint document presentation/viewing
ITU-T Rec. T.300 (11/88) General principles of telematic interworking
ITU-T Rec. T.330 (11/88) Telematic access to interpersonal messaging system
ITU-T Rec. T.351 (11/88) Imaging process of character information on facsimile apparatus
ITU-T Rec. T.390 (11/88) Teletex requirements for interworking with the telex service
ITU-T Rec. T.411 Corrigendum 1 (10/97) Information technology - Open Document Architecture
(ODA) and
interchange format: Introduction and general principles
ITU-T Rec. T.411 (03/93) Information technology - Open Document Architecture (ODA) and
interchange
format: Introduction and general principles
ITU-T Rec. T.412 Corrigendum 1 (10/97) Information technology - Open Document Architecture
(ODA) and
interchange format: Document structures - Technical Corrigendum 1
ITU-T Rec. T.412 Corrigendum 2 (10/97) Information technology - Open Document Architecture
(ODA) and
interchange format: Document structures - Technical Corrigendum 2
ITU-T Rec. T.412 (03/93) Information technology - Open Document Architecture (ODA) and
interchange
format: Document structures
ITU-T Rec. T.413 (11/94) Information technology - Open Document Architecture (ODA) and
interchange
format: Abstract interface for the manipulation of ODA documents
.ITU-T Rec. T.414 Corrigendum 1 (10/97) Information technology - Open Document Architecture
(ODA) and
interchange format: Document profile; Technical Corrigendum 1
ITU-T Rec. T.414 Corrigendum 2 (10/97) Information technology - Open Document Architecture
(ODA) and
interchange format: Document profile - Technical Corrigendum 2
ITU-T Rec. T.414 (03/93) Information technology - Open Document Architecture (ODA) and
interchange
format: Document profile
ITU-T Rec. T.415 Corrigendum 1 (10/97) Information technology - Open Document Architecture
(ODA) and
interchange format: Open document interchange format; Technical Corrigendum 1

ITU-T Rec. T.415 Corrigendum 2 (10/97) Information technology - Open Document Architecture (ODA) and interchange format: Open Document interchange format; Technical Corrigendum 2

ITU-T Rec. T.415 (03/93) Information technology - Open Document Architecture (ODA) and interchange format: Open Document Interchange Format (ODIF)

ITU-T Rec. T.416 Corrigendum 1 (10/97) Information technology - Open Document Architecture (ODA) and interchange format: Character content architectures; Technical Corrigendum 1

ITU-T Rec. T.416 (03/93) Information technology - Open Document Architecture (ODA) and interchange format: Character content architectures

ITU-T Rec. T.417 Corrigendum 1 (10/97) Information technology - Open Document Architecture (ODA) and interchange format: Raster graphics content architectures; Technical Corrigendum 1

ITU-T Rec. T.417 (03/93) Information technology - Open Document Architecture (ODA) and interchange format: Raster graphics content architectures

ITU-T Rec. T.417 Amendment 1 (10/97) Information technology - Open Document Architecture (ODA) and interchange format: Raster graphics content architectures

ITU-T Rec. T.417 Amendment 2 (02/00) Information technology - Open Document Architecture (ODA) and interchange format: Raster graphics content architectures - Amendment 2

ITU-T Rec. T.418 (03/93) Information technology - Open Document Architecture (ODA) and interchange format: Geometric graphics content architecture

ITU-T Rec. T.419 (08/95) Information technology - Open Document Architecture (ODA) and interchange format: Audio content architectures

ITU-T Rec. T.421 (11/94) Information technology - Open Document Architecture (ODA) and interchange format: Tabular structures and tabular layout

ITU-T Rec. T.422 (08/95) Information technology - Open Document Architecture (ODA) and interchange format - Identification of document fragments

ITU-T Rec. T.424 (07/96) Information technology - Open Document Architecture (ODA) and interchange format - Temporal relationships and non-linear structures

ITU-T Rec. T.431 (09/92) Document Transfer And Manipulation (DTAM) - Services and protocols - Introduction and general principles

ITU-T Rec. T.432 (09/92) Document Transfer And Manipulation (DTAM) - Services and protocols - Service definition

ITU-T Rec. T.432 Amendment 1 (08/95) Document Transfer And Manipulation (DTAM) - Services and protocols - Service definition; Amendment 1 - Revisions of T.432 to support G4 colour and file transfer

ITU-T Rec. T.433 (09/92) Document Transfer And Manipulation (DTAM) - Services and protocols - Protocol specification

ITU-T Rec. T.433 Amendment 1 (08/95) Document Transfer And Manipulation (DTAM) - Services and protocols - Protocol specification; Amendment 1: Revisions of T.433 to support G4 colour and file transfer

ITU-T Rec. T.434 (04/99) Binary file transfer format for the telematic services

ITU-T Rec. T.434 Amendment 1 (06/98) Binary file transfer format for the telematic services - Amendment 1: Extensions of BFT format

ITU-T Rec. T.435 (08/95) Document Transfer And Manipulation (DTAM) - Services and protocols - Abstract service definition and procedures for confirmed document manipulation

ITU-T Rec. T.436 (08/95) Document Transfer And Manipulation (DTAM) - Services and protocols - Protocol

specifications for confirmed document manipulation
ITU-T Rec. T.441 (11/88) Document Transfer And Manipulation (DTAM) - Operational structure
ITU-T Rec. T.501 (03/93) Document application profile MM for the interchange of formatted mixed mode documents
ITU-T Rec. T.502 (11/94) Document application profile PM-11 for the interchange of simple structure, character content documents in processable and formatted forms
ITU-T Rec. T.503 (02/2000) Document application profile for the interchange of Group 4 facsimile documents
ITU-T Rec. T.504 (03/93) Document application profile for videotex interworking
ITU-T Rec. T.505 (11/94) Document application profile PM-26 for the interchange of enhanced structure, mixed content documents in processable and formatted forms
ITU-T Rec. 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
ITU-T Rec. T.510 (03/93) General overview of the T.510-Series Recommendations
ITU-T Rec. T.521 (11/94) Communication application profile BT0 for document bulk transfer based on the session service
ITU-T Rec. T.521 Amendment 1 (08/95) Communication application profile BT0 for document bulk transfer based on the session service
ITU-T Rec. T.522 (09/92) Communication application profile BT1 for document bulk transfer
ITU-T Rec. T.523 (03/93) Communication application profile DM-1 for videotex interworking
ITU-T Rec. T.541 (03/93) Operational application profile for videotex interworking
ITU-T Rec. T.561 (11/88) Terminal characteristics for mixed mode of operation MM
ITU-T Rec. T.562 (11/88) Terminal characteristics for teletex processable mode PM.1
ITU-T Rec. T.563 Corrigendum 1 (06/98) Terminal characteristics for Group 4 facsimile apparatus
ITU-T Rec. T.563 (10/96) Terminal characteristics for Group 4 facsimile apparatus
ITU-T Rec. T.563 Amendment 1 (07/97) Terminal characteristics for Group 4 facsimile apparatus
ITU-T Rec. T.563 Amendment 2 (10/97) Terminal characteristics for Group 4 facsimile apparatus; Amendment 2: Annex C - T.30 frames for G4 facsimile
ITU-T Rec. T.563 Amendment 3 (04/99) Terminal characteristics for Group 4 facsimile apparatus
ITU-T Rec. T.564 (03/93) Gateway characteristics for videotex interworking
ITU-T Rec. T.571 (09/92) Terminal characteristics for the telematic file transfer within the teletex service
ITU-T Rec. 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

Series U Telegraph switching

ITU-T Rec. U.1 (03/93) Signalling conditions to be applied in the international telex service
ITU-T Rec. U.2 (11/88) Standardization of dials and dial pulse generators for the international telex service
ITU-T Rec. U.3 (11/88) Arrangements in switching equipment to minimize the effects of false calling signals
ITU-T Rec. U.4 (11/88) Exchange of information regarding signals destined to be used over international circuits concerned with switched teleprinter networks
ITU-T Rec. U.5 (11/88) Requirements to be met by regenerative repeaters in international connections
ITU-T Rec. U.6 (11/88) Prevention of fraudulent transit traffic in the fully automatic international telex service
ITU-T Rec. U.7 (03/93) Numbering schemes for automatic switching networks
ITU-T Rec. U.8 (11/88) Hypothetical reference connections for telex and gentex networks
ITU-T Rec. U.10 (03/93) Equipment of an international telex position
ITU-T Rec. U.11 (03/93) Telex and gentex signalling on intercontinental circuits used for intercontinental

automatic transit traffic (type c signalling)
ITU-T Rec. U.12 (03/93) Terminal and transit control signalling system for telex and similar services on international circuits (type D signalling)
ITU-T Rec. U.15 (03/93) Interworking rules for international signalling systems according to Recommendations U.1, U.11 and U.12
ITU-T Rec. U.20 (11/88) Telex and gentex signalling on radio channels (synchronous 7-unit systems affording error correction by automatic repetition)
ITU-T Rec. U.21 (11/88) Operator recall on a telex call set up on a radiotelegraph circuit
ITU-T Rec. U.22 (11/88) Signals indicating delay in transmission on calls set up by means of synchronous systems with automatic error correction by repetition
ITU-T Rec. U.23 (11/88) Use of radiotelegraph circuits with ARQ equipment for fully automatic telex calls charged on the basis of elapsed time
ITU-T Rec. U.24 (11/88) Requirements for telex and gentex operation to be met by synchronous multiplex equipment described in Recommendation R.44
ITU-T Rec. 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
ITU-T Rec. U.30 (11/88) Signalling conditions for use in the international gentex network
ITU-T Rec. U.31 (11/88) Prevention of connection to faulty stations and/or station lines in the gentex service
ITU-T Rec. U.40 (03/93) Reactions by automatic terminals connected to the telex network in the event of ineffective call attempts or signalling incidents
ITU-T Rec. U.41 (11/88) Changed address interception and call redirection in the telex service
ITU-T Rec. U.43 (11/88) Follow-on calls
ITU-T Rec. U.44 (11/88) Multi-address calls in real time for broadcast purposes in the international telex service
ITU-T Rec. U.45 (03/93) Response to the not-ready condition of the telex terminal
ITU-T Rec. U.46 (03/93) Interruption of automatic transmission and flow control in the international telex service
ITU-T Rec. U.60 (11/88) General requirements to be met in interfacing the international telex network with the maritime satellite systems
ITU-T Rec. U.61 (03/93) Detailed requirements to be met in interfacing the international telex network with maritime satellite systems
ITU-T Rec. U.62 (03/93) General requirements to be met in interfacing the international telex network with the fully automated maritime VHF/UHF radio system
ITU-T Rec. U.63 (11/88) General requirements to be met in interfacing the international telex network with the maritime "direct printing" system
ITU-T Rec. U.70 (11/88) Telex service signals for telex to Teletex interworking
ITU-T Rec. U.74 (11/88) Extraction of telex selection information from a calling telex answerback
ITU-T Rec. U.75 (03/93) Automatic called telex answerback check
ITU-T Rec. U.80 (03/93) International telex store and forward access from a telex subscriber
ITU-T Rec. U.81 (10/96) International telex store-and-forward - Delivery to a telex subscriber
ITU-T Rec. U.101 (03/93) Signalling systems for the Intex service (Types E and F signalling)
ITU-T Rec. U.102 (07/96) Intex and similar services - Network requirements to effect interworking between terminals operating at different speeds
ITU-T Rec. U.140 (11/88) Definitions of essential technical terms relating to telegraph switching and signalling
ITU-T Rec. U.200 (03/93) The international telex service - General technical requirements for interworking
ITU-T Rec. U.201 (03/93) Interworking between the teletex service and the international telex service
ITU-T Rec. U.202 (03/93) Technical requirements to be met in providing the international telex service within an integrated services digital network
ITU-T Rec. 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
ITU-T Rec. U.204 (03/93) Interworking between the international telex service and the public

interpersonal
messaging service
ITU-T Rec. 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...
ITU-T Rec. U.206 (03/93) Technical requirements for interworking between the international telex
service
and the videotex service
ITU-T Rec. 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
ITU-T Rec. U.208 (10/96) The international telex service - Interworking with the INMARSAT C
system using
one-stage selection
ITU-T Rec. U.210 (03/93) Intex service Network requirements to effect interworking with the
international
telex service
ITU-T Rec. U.220 (03/93) The international telex service - Technical requirements for a status enquiry
function in an interworking scenario

Series V Data communication over the telephone network

ITU-T Rec. V.1 (11/88) Equivalence between binary notation symbols and the significant conditions of
a
two-condition code
ITU-T Rec. V.2 (11/88) Power levels for data transmission over telephone lines
ITU-T Rec. V.4 (11/88) General structure of signals of International Alphabet No. 5 code for character
oriented data transmission over public telephone networks
ITU-T Rec. V.7 (11/88) Definitions of terms concerning data communication over the telephone
network
ITU-T Rec. V.8 bis (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 ...To be published
ITU-T Rec. V.8 (11/00) - Procedures for starting sessions of data transmission over the public switched
telephone network - To be published
ITU-T Rec. V.10 (03/93) Electrical characteristics for unbalanced double-current interchange circuits
operating at data signalling rates nominally up to 100 kbit/s
ITU-T Rec. V.11 (10/96) Electrical characteristics for balanced double-current interchange circuits
operating
at data signalling rates up to 10 Mbit/s
ITU-T Rec. V.12 (08/95) Electrical characteristics for balanced double-current interchange circuits for
interfaces with data signalling rates up to 52 Mbit/s
ITU-T Rec. V.13 (03/93) Simulated carrier control
ITU-T Rec. V.14 Corrigendum 1 (09/98) Transmission of start-stop characters over synchronous bearer
channels
ITU-T Rec. V.14 (03/93) Transmission of start-stop characters over synchronous bearer channels
.ITU-T Rec. V.15 (11/88) Use of acoustic coupling for data transmission
ITU-T Rec. V.16 (11/88) Medical analogue data transmission modems
ITU-T Rec. V.17 Corrigendum 1 (09/98) A 2-wire modem for facsimile applications with rates up to
14
400 bit/s
ITU-T Rec. V.17 (02/91) A 2-wire modem for facsimile applications with rates up to 14 400 bit/s
ITU-T Rec. V.18 (11/00) - (11/00) - Operational and interworking requirements for DCES operating in
the
text telephone mode - To be published

ITU-T Rec. V.19 (11/88) Modems for parallel data transmission using telephone signalling frequencies

ITU-T Rec. V.21 (11/88) 300 bits per second duplex modem standardized for use in the general switched telephone network

ITU-T Rec. V.22 bis (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

ITU-T Rec. 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

ITU-T Rec. V.23 (11/88) 600/1200-baud modem standardized for use in the general switched telephone network

ITU-T Rec. V.24 (02/2000) List of definitions for interchange circuits between data terminal equipment (DTE) and data circuit-terminating equipment (DCE)

ITU-T Rec. V.25 bis (10/96) Synchronous and asynchronous automatic dialling procedures on switched networks

ITU-T Rec. V.25 ter (07/97) Serial asynchronous automatic dialling and control

ITU-T Rec. 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...

ITU-T Rec. V.25 ter Annex A (08/96) Serial asynchronous automatic dialling and control - Annex A: Procedure for DTE-controlled call negotiation

ITU-T Rec. V.25 ter Supplement (04/95) Serial asynchronous automatic dialling and control

ITU-T Rec. V.26 bis (11/88) 2400/1200 bits per second modem standardized for use in the general switched telephone network

ITU-T Rec. V.26 ter (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

ITU-T Rec. V.26 (11/88) 2400 bits per second modem standardized for use on 4-wire leased telephone-type circuits

ITU-T Rec. V.27 bis (11/88) 4800/2400 bits per second modem with automatic equalizer standardized for use on leased telephone-type circuits

ITU-T Rec. V.27 ter (11/88) 4800/2400 bits per second modem standardized for use in the general switched telephone network

ITU-T Rec. V.27 (11/88) 4800 bits per second modem with manual equalizer standardized for use on leased telephone-type circuits

ITU-T Rec. V.28 (03/93) Electrical characteristics for unbalanced double-current interchange circuits

ITU-T Rec. V.29 (11/88) 9600 bits per second modem standardized for use on point-to-point 4-wire leased telephone-type circuits

ITU-T Rec. V.31 bis (11/88) Electrical characteristics for single-current interchange circuits using optocouplers

ITU-T Rec. V.31 (11/88) Electrical characteristics for single-current interchange circuits controlled by contact closure

ITU-T Rec. V.32 bis (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

ITU-T Rec. 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

ITU-T Rec. V.33 (11/88) 14 400 bits per second modem standardized for use on point-to-point 4-wire leased telephone-type circuits

ITU-T Rec. V.34 Covering Note (10/96) A modem operating at data signalling rates of up to 33 600 bit/s

for use on the...

ITU-T Rec. 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

ITU-T Rec. V.36 (11/88) Modems for synchronous data transmission using 60-108 kHz group band circuits

ITU-T Rec. V.37 (11/88) Synchronous data transmission at a data signalling rate higher than 72 kbit/s using 60-108 kHz group band circuits

ITU-T Rec. V.38 (10/96) A 48/56/64 kbit/s data circuit-terminating equipment standardized for use on digital point-to-point leased circuits

ITU-T Rec. V.41 (11/88) Code-independent error-control system

ITU-T Rec. V.42 bis (01/90) Data compression procedures for data circuit-terminating equipment (DCE)

using error correcting procedures

ITU-T Rec. V.42 (10/96) Error-correcting procedures for DCEs using asynchronous-to-synchronous conversion

ITU-T Rec. V.43 (02/98) Data flow control

ITU-T Rec. V.44 (11/00) - Data compression procedures - To be published

ITU-T Rec. V.50 (11/88) - Standard limits for transmission quality of data transmission

ITU-T Rec. V.51 (11/88) Organization of the maintenance of international telephone-type circuits used for

data transmission

ITU-T Rec. V.53 (11/88) Limits for the maintenance of telephone-type circuits used for data transmission

ITU-T Rec. V.54 (11/88) Loop test devices for modems

ITU-T Rec. V.55 (11/88) Impulsive noise measuring equipment for telephone-type circuits

ITU-T Rec. V.56 bis (08/95) Network transmission model for evaluating modem performance over 2-wire

voice grade connections

ITU-T Rec. V.56 ter (08/96) Test procedure for evaluation of 2-wire 4 kHz voiceband duplex modems

ITU-T Rec. V.56 (11/88) Comparative tests of modems for use over telephone-type circuits

ITU-T Rec. V.58 (09/94) Management information model for V-Series DCEs

ITU-T Rec. V.59 (11/00) - Managed objects for diagnostic information of public switched telephone network

connected V-series modem DCEs - To be published

ITU-T Rec. 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...

ITU-T Rec. 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

ITU-T Rec. V.75 (08/96) DSVD terminal control procedures

ITU-T Rec. V.75 Appendix II (02/98) DSVD terminal control procedures - Appendix II: Session establishment

using V.75/H.245 procedures

ITU-T Rec. V.76 (08/96) Generic multiplexer using V.42 LAPM-based procedures

ITU-T Rec. V.80 (08/96) In-band DCE control and synchronous data modes for asynchronous DTE

ITU-T Rec. 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

ITU-T Rec. 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

ITU-T Rec. V.92 (11/00) - Enhancements to Recommendation V.90 - To be published

ITU-T Rec. V.100 (11/88) Interconnection between public data networks (PDNs) and the public switched

telephone networks (PSTN)

ITU-T Rec. V.110 (02/2000) Support by an ISDN of data terminal equipments with V-series type interfaces

ITU-T Rec. V.120 Corrigendum 1 (05/99) Support by an ISDN of data terminal equipment with V-series type

interfaces with provision for statistical multiplexing

.ITU-T Rec. V.120 (10/96) Support by an ISDN of data terminal equipment with V-Series type interfaces with provision for statistical multiplexing
ITU-T Rec. V.130 (08/95) ISDN terminal adaptor framework
ITU-T Rec. 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
ITU-T Rec. V.230 (11/88) General data communications interface layer 1 specification
ITU-T Rec. V.250 (05/99) Serial asynchronous automatic dialling and control
ITU-T Rec. V.250 Supplement 1 (09/98) Serial asynchronous automatic dialling and control - Supplement 1:
Various extensions to V.250 basic command set
ITU-T Rec. V.251 (02/98) Procedure for DTE-controlled call negotiation
ITU-T Rec. V.252 (02/98) Procedure for control of V.70 and H.324 terminals by a DTE
ITU-T Rec. V.253 (02/98) Control of voice-related functions in a DCE by an asynchronous DTE
ITU-T Rec. V.300 (07/99) A 128 (144) kbit/s data circuit-terminating equipment standardized for use on digital point-to-point leased circuits

Series X Data networks and open system communication

ITU-T Rec. X.1 (03/00) International user classes of service in, and categories of access to, public data networks and integrated services digital networks (ISDNs)
ITU-T Rec. X.2 (03/00) International data transmission services and optional user facilities in public data networks and ISDNs
ITU-T Rec. X.3 (03/00) Packet assembly/disassembly facility (PAD) in a public data network
ITU-T Rec. X.4 (11/88) General structure of signals of International Alphabet No. 5 code for character oriented data transmission over public data networks
ITU-T Rec. X.5 (10/96) Facsimile Packet Assembly/Disassembly facility (FPAD) in a public data network
ITU-T Rec. X.6 (08/97) Multicast service definition
ITU-T Rec. X.6 Amendment 1 (03/00) Multicast service definition - Frame relay PVC multicast service definition - To be published
ITU-T Rec. X.7 (03/00) Technical characteristics of data transmission services
ITU-T Rec. X.8 (07/94) Multi-aspect PAD (MAP) framework and service definition
ITU-T Rec. X.20 bis (11/88) Use on public data networks of Data Terminal Equipment (DTE) which is designed for interfacing to asynchronous duplex V-Series modems
ITU-T Rec. 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
ITU-T Rec. X.21 bis (11/88) Use on public data networks of Data Terminal Equipment (DTE) which is designed for interfacing to synchronous V-Series modems
ITU-T Rec. X.21 (09/92) Interface between Data Terminal equipment and Data Circuit-terminating Equipment for synchronous operation on public data networks
.ITU-T Rec. X.22 (11/88) Multiplex DTE/DCE interface for user classes 3-6
ITU-T Rec. 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
ITU-T Rec. X.25 Corrigendum 1 (09/98) 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
ITU-T Rec. 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
ITU-T Rec. X.26 (03/93) Electrical characteristics for unbalanced double-current interchange circuits

operating at data signalling rates nominally up to 100 kbit/s
ITU-T Rec. X.27 (10/96) Electrical characteristics for balanced double-current interchange circuits operating at data signalling rates up to 10 Mbit/s
ITU-T Rec. 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
ITU-T Rec. X.28 Amendment 1 (03/00) Extensions of PAD parameter settings and PAD service signals - To be published
ITU-T Rec. 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
ITU-T Rec. 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)
ITU-T Rec. X.31 (11/95) Support of packet mode terminal equipment by an ISDN
ITU-T Rec. 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
ITU-T Rec. X.33 (10/96) Access to packet switched data transmission services via frame relaying data transmission services
ITU-T Rec. X.34 Corrigendum 1 (03/00) Access to packet switched data transmission services via B-ISDN - To be published
ITU-T Rec. X.34 (10/96) Access to packet switched data transmission services via B-ISDN
ITU-T Rec. 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
ITU-T Rec. X.36 (03/00) 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 - To be published
ITU-T Rec. X.37 (04/95) Encapsulation in X.25 packets of various protocols including frame relay
ITU-T Rec. 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
ITU-T Rec. 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
ITU-T Rec. X.42 (03/00) Procedures and methods for accessing a public data network from a DTE operating under control of a generalized polling protocol - To be published
ITU-T Rec. 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
ITU-T Rec. X.46 (09/98) Access to FRDTS via B-ISDN
ITU-T Rec. X.48 (10/96) Procedures for the provision of a basic multicast service for Data Terminal Equipments (DTEs) using Recommendation X.25
ITU-T Rec. X.49 (10/96) Procedures for the provision of an extended multicast service for Data Terminal Equipments (DTEs) using Recommendation X.25
ITU-T Rec. X.50 bis (11/88) Fundamental parameters of a 48-kbit/s user data signalling rate transmission scheme for the international interface between synchronous data networks
ITU-T Rec. X.50 (11/88) Fundamental parameters of a multiplexing scheme for the international interface between synchronous data networks

ITU-T Rec. X.51 bis (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

ITU-T Rec. X.51 (11/88) Fundamental parameters of a multiplexing scheme for the international interface between synchronous data networks using 10-bit envelope structure

ITU-T Rec. X.52 (11/88) Method of encoding anisochronous signals into a synchronous user bearer

ITU-T Rec. X.53 (03/93) Numbering of channels on international multiplex links at 64 kbit/s

ITU-T Rec. X.54 (11/88) Allocation of channels on international multiplex links at 64 kbit/s

ITU-T Rec. X.55 (11/88) Interface between synchronous data networks using a 6 + 2 envelope structure and single channel per carrier (SCPC) satellite channels

ITU-T Rec. X.56 (11/88) Interface between synchronous data networks using an 8 + 2 envelope structure and single channel per carrier (SCPC) satellite channels

ITU-T Rec. X.57 (11/88) Method of transmitting a single lower speed data channel on a 64 kbit/s data stream

ITU-T Rec. X.58 (11/88) Fundamental parameters of a multiplexing scheme for the international interface between synchronous non-switched data networks using no envelope structure

ITU-T Rec. X.60 (11/88) Common channel signalling for circuit switched data applications

ITU-T Rec. X.61 (11/88) Signalling System No. 7 - Data user part

ITU-T Rec. X.70 (11/88) Terminal and transit control signalling system for start-stop services on international circuits between anisochronous data networks

ITU-T Rec. X.71 (11/88) Decentralized terminal and transit control signalling system on international circuits between synchronous data networks

ITU-T Rec. X.75 Corrigendum 1 (09/98) Packet-switched signalling system between public networks providing data transmission services

ITU-T Rec. X.75 (10/96) Packet-switched signalling system between public networks providing data transmission services

ITU-T Rec. X.76 (03/00) Network-to-network interface between public data networks providing the frame relay data transmission service - To be published

ITU-T Rec. X.77 Corrigendum 1 (03/00) Interworking between PSPDNs via B-ISDN - To be published

ITU-T Rec. X.77 (08/97) Interworking between PSPDNs via B-ISDN

ITU-T Rec. X.78 Corrigendum 1 (03/00) Interworking procedures between networks providing frame relay data transmission services via B-ISDN - To be published...

ITU-T Rec. X.78 (06/99) Interworking procedures between networks providing frame relay data transmission services via B-ISDN

ITU-T Rec. X.80 (11/88) Interworking of interexchange signalling systems for circuit switched data services

ITU-T Rec. X.81 (11/88) Interworking between an ISDN circuit-switched and a circuit-switched public data network (CSPDN)

ITU-T Rec. X.82 (11/88) Detailed arrangements for interworking between CSPDNs and PSPDNs based on Recommendation T.70

ITU-T Rec. Y.1321/X.85 (03/01) - IP over SDH using LAPS - To be published

ITU-T Rec. X.86 (02/01) Ethernet over LAPS - To be published

ITU-T Rec. X.92 (11/88) Hypothetical reference connections for public synchronous data networks

ITU-T Rec. X.96 (03/00) Call progress signals in public data networks

ITU-T Rec. X.110 (10/96) International routing principles and routing plan for public data networks

ITU-T Rec. X.115 (04/95) Definition of address translation capability in public data networks

ITU-T Rec. X.115 Amendment 1 (10/96) Definition of address translation capability in public data networks

- Amendment 1: Refinements

ITU-T Rec. X.116 (10/96) Address translation registration and resolution protocol

ITU-T Rec. X.121 (10/00) International numbering plan for public data networks - To be published

ITU-T Rec. E.166/X.122 (03/98) Numbering plan interworking for the E.164 and X.121 numbering plans

ITU-T Rec. X.123 (10/96) Mapping between escape codes and TOA/NPI for E.164/X.121 numbering

plan
interworking during the transition period
ITU-T Rec. X.124 (06/99) Arrangements for the interworking of the E.164 and X.121 numbering plans for
frame relay and ATM networks
ITU-T Rec. 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
ITU-T Rec. X.130 (11/88) Call processing delays in public data networks when providing international synchronous circuit-switched data services
ITU-T Rec. X.131 (11/88) Call blocking in public data networks when providing international synchronous circuit-switched data services
ITU-T Rec. X.134 (08/97) Portion boundaries and packet-layer reference events: Basis for defining packet-switched performance parameters
ITU-T Rec. X.135 (08/97) Speed of service (delay and throughput) performance values for public data networks when providing international packet-switched services
ITU-T Rec. X.136 (08/97) Accuracy and dependability performance values for public data networks when providing international packet-switched services
ITU-T Rec. X.137 (08/97) Availability performance values for public data networks when providing international packet-switched services
ITU-T Rec. X.138 (08/97) Measurement of performance values for public data networks when providing international packet-switched services
ITU-T Rec. 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
ITU-T Rec. X.140 (09/92) General quality of service parameters for communication via public data networks
ITU-T Rec. X.141 (11/88) General principles for the detection and correction of errors in public data networks
ITU-T Rec. X.144 (10/00) User information transfer performance parameters for data networks providing international frame relay PVC service - To be published
ITU-T Rec. X.145 (10/96) Performance for data networks providing international frame relay SVC service
ITU-T Rec. X.146 (10/00) - Performance objectives and quality of service classes applicable to frame relay - To be published
ITU-T Rec. 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
ITU-T Rec. X.160 (10/96) Architecture for customer network management service for public data networks
ITU-T Rec. X.161 (08/97) Definition of customer network management services for public data networks
ITU-T Rec. X.162 (03/00) Definition of management information for customer network management service for public data networks to be used with the CNMc interface - To be published
ITU-T Rec. X.163 (04/95) Definition of management information for customer network management service for public data networks to be used with the CNMe interface
ITU-T Rec. X.170 (06/99) Network-network management architecture for data networks
ITU-T Rec. X.171 (03/00) Network-network management services for data networks - To be published
ITU-T Rec. X.180 (11/88) Administrative arrangements for international closed user groups (CUGs)
ITU-T Rec. X.181 (11/88) Administrative arrangements for the provision of international permanent virtual circuits (PVCs)
ITU-T Rec. X.200 (07/94) Information technology - Open Systems Interconnection - Basic reference model:
The basic model

ITU-T Rec. X.207 (11/93) Information technology - Open Systems Interconnection - Application layer structure

ITU-T Rec. X.208 (11/88) Specification of Abstract Syntax Notation One (ASN.1)

ITU-T Rec. X.209 (11/88) Specification of basic encoding rules for Abstract Syntax Notation One (ASN.1)

ITU-T Rec. X.210 (11/93) Information technology - Open systems interconnection - Basic Reference Model:
Conventions for the definition of OSI services

ITU-T Rec. X.211 (11/95) Information technology - Open systems interconnection - Physical service definition

ITU-T Rec. X.212 (11/95) Information technology - Open systems interconnection - Data link service definition

ITU-T Rec. X.213 (11/95) Information technology - Open Systems Interconnection - Network service definition

ITU-T Rec. X.213 Amendment 1 (08/97) Information technology - Open Systems Interconnection - Network services definition - Amendment 1: Addition of the Internet protocol address format identifier

ITU-T Rec. X.213 Amendment 2 (03/00) Addition of the authority and format identifier for ITU-T international network designators - To be published

ITU-T Rec. X.214 (11/95) Information technology - Open Systems Interconnection - Transport service definition

ITU-T Rec. X.215 Corrigendum 1 (03/00) Information technology - Open Systems Interconnection - Session service definition - To be published...

ITU-T Rec. X.215 (11/95) Information technology - Open Systems Interconnection - Session service definition

ITU-T Rec. X.215 Amendment 1 (08/97) Information technology - Open Systems Interconnection - Session service definition - Amendment 1: Efficiency enhancements

ITU-T Rec. X.215 Amendment 2 (12/97) Information technology - Open Systems Interconnection - Session service definition - Amendment 2: Nested connections functional unit

ITU-T Rec. X.216 (07/94) Information technology - Open Systems Interconnection - Presentation service definition

ITU-T Rec. X.216 Amendment 1 (08/97) Information technology - Open Systems Interconnection - Presentation service definition - Amendment 1: Efficiency enhancements

ITU-T Rec. X.216 Amendment 2 (12/97) Information technology - Open Systems Interconnection - Presentation service definition - Amendment 2: Nested connections functional unit

ITU-T Rec. X.217 bis (09/98) Information technology - Open Systems Interconnection - Service definition for the application service object - Association control service element

ITU-T Rec. X.217 (04/95) Information technology - Open Systems Interconnection - Service definition for the association control service element

ITU-T Rec. X.217 Amendment 1 (10/96) Information technology - Open Systems Interconnection - Service definition for the association control service element - Amendment 1: Support of authentication mechanisms for the connectionless mode

ITU-T Rec. X.217 Amendment 2 (08/97) Information technology - Open Systems Interconnection - Service definition for the association control service element - Amendment 2: Fast-associate mechanism

ITU-T Rec. X.218 (03/93) Reliable transfer: Model and service definition

ITU-T Rec. X.219 (11/88) Remote operations: Model, notation and service definition

ITU-T Rec. X.220 (03/93) Use of X.200-Series protocols in CCITT applications

ITU-T Rec. X.222 (04/95) Use of X.25 LAPB compatible data link procedures to provide the OSI connection-mode Data Link Service

ITU-T Rec. X.222 Amendment 1 (10/96) Use of X.25 LAPB-compatible data link procedures to provide the OSI connection-mode data link service - Amendment 1: Frame relay mapping

ITU-T Rec. X.223 (11/93) Use of X.25 to provide the OSI connection-mode network service for ITU-T applications

ITU-T Rec. X.223 Amendment 1 (10/96) Use of X.25 to provide the OSI connection-mode network

service

for ITU-T applications - Amendment 1: Transit delay and other refinements

ITU-T Rec. X.224 (11/95) Information technology - Open Systems Interconnection - Protocol for providing

the connection-mode transport service

ITU-T Rec. X.224 Amendment 1 (08/97) Information technology - Open Systems Interconnection - Protocol

for providing the connection-mode transport service; Amendment 1: Relaxation of class conformance requirements and expedited data service feature...

ITU-T Rec. X.225 Corrigendum 1 (03/00) Information technology - Open Systems Interconnection - Connection-oriented session protocol: Protocol specification - To be published...

ITU-T Rec. X.225 (11/95) Information technology - Open Systems Interconnection - Connection-oriented

session protocol: Protocol specification

ITU-T Rec. X.225 Amendment 1 (08/97) Information technology - Open Systems Interconnection - Connection-oriented session protocol: Protocol specification; Amendment 1: Efficiency enhancements

ITU-T Rec. X.225 Amendment 2 (12/97) Information technology - Open Systems Interconnection - Connection-oriented session protocol: Protocol specification; Amendment 2: Nested connections

functional

unit

ITU-T Rec. X.226 (07/94) Information technology - Open Systems Interconnection - Connection-oriented

presentation protocol: Protocol specification

ITU-T Rec. X.226 Amendment 1 (08/97) Information technology - Open Systems Interconnection - Connection-oriented presentation protocol: Protocol specification; Amendment 1: Efficiency

enhancements

ITU-T Rec. X.226 Amendment 2 (12/97) Information technology - Open Systems Interconnection - Connection-oriented presentation protocol: Protocol specification; Amendment 2: Nested connections

functional unit

ITU-T Rec. X.227 bis (09/98) Information technology - Open Systems Interconnection - Connection-mode

protocol for the Application Service Object Association Control Service Element

ITU-T Rec. X.227 (04/95) Information technology - Open Systems Interconnection - Connection-oriented

protocol for the association control service element: Protocol specification

ITU-T Rec. X.227 Amendment 1 (10/96) Information technology - Open Systems Interconnection - Connection-oriented protocol for the association control service element: Protocol specification;

Amendment

1: Incorporation of extensibility markers

ITU-T Rec. X.227 Amendment 2 (08/97) Information technology - Open Systems Interconnection - Connection-oriented protocol for the association control service element: Protocol specification;

Amendment

2: Fast-associate mechanism

ITU-T Rec. X.228 Corrigendum 1 (03/00) Reliable transfer: Protocol specification - To be published...

ITU-T Rec. X.228 (11/88) Reliable transfer: Protocol specification

ITU-T Rec. X.229 (11/88) Remote operations: Protocol specification

ITU-T Rec. X.233 (08/97) Information technology - Protocol for providing the connectionless-mode network

service: Protocol specification

ITU-T Rec. X.234 (07/94) Information technology - Protocol for providing the OSI connectionless-mode

transport service

ITU-T Rec. X.234 Amendment 1 (11/95) Information technology - Protocol for providing the OSI connectionless-mode transport service - Amendment 1: Addition of connectionless-mode multicast capability

ITU-T Rec. X.235 (04/95) Information technology - Open Systems Interconnection - Connectionless Session

protocol: Protocol specification

ITU-T Rec. X.235 Amendment 1 (06/99) Information technology - Open Systems Interconnection - Connectionless Session protocol: Protocol specification - Amendment 1: Efficiency enhancements

ITU-T Rec. X.236 (04/95) Information technology - Open Systems Interconnection - Connectionless presentation protocol: Protocol specification

ITU-T Rec. X.236 Amendment 1 (06/99) Information technology - Open Systems Interconnection -

Connectionless Presentation protocol: Protocol specification - Amendment 1: Efficiency enhancements
ITU-T Rec. X.237 bis (09/98) Information technology - Open Systems Interconnection - Connectionless
protocol for the application service object Association control service
ITU-T Rec. X.237 (04/95) Information technology - Open Systems Interconnection - Connectionless
protocol
for the association control service element: Protocol specification
ITU-T Rec. X.237 Amendment 1/Corrigendum 1 (06/99) Information technology - Open Systems
Interconnection - Connectionless protocol for the association control service element: Protocol
specification;
Amendment 1: Incorporation of extensibility...
ITU-T Rec. X.237 Amendment 1 (10/96) Information technology - Open Systems Interconnection -
Connectionless protocol for the association control service element: Protocol specification;
Amendment 1:
Incorporation of extensibility markers and...
.ITU-T Rec. X.245 (04/95) Information technology - Open Systems Interconnection - Connection-
oriented
Session protocol: Protocol Implementation Conformance Statement (PICS) proforma
ITU-T Rec. X.246 (10/96) Information technology - Open Systems Interconnection - Connection-
oriented
presentation protocol: Protocol Implementation Conformance Statement (PICS) proforma
ITU-T Rec. X.247 (10/96) Information technology - Open Systems Interconnection - Protocol
specification
for the association control service element: Protocol Implementation Conformance Statement (PICS)
proforma
ITU-T Rec. X.248 (11/95) Information technology - Open Systems Interconnection - Reliable transfer:
Protocol Implementation Conformance Statement (PICS) proforma
ITU-T Rec. X.249 (11/95) Information technology - Open Systems Interconnection - Remote
operations:
Protocol Implementation Conformance Statement (PICS) proforma
ITU-T Rec. X.255 (04/95) Information technology - Open Systems Interconnection - Connectionless
session
protocol: Protocol Implementation Conformance Statement (PICS) proforma
ITU-T Rec. X.256 (04/95) Information technology - Open Systems Interconnection - Connectionless
presentation protocol: Protocol Implementation Conformance Statement (PICS) proforma
ITU-T Rec. X.257 (04/95) Information technology - Open Systems Interconnection - Connectionless
protocol
for the association control service element: Protocol Implementation Conformance Statement (PICS)
proforma
ITU-T Rec. X.257 Amendment 1 (10/96) Information technology - Open Systems Interconnection -
Connectionless protocol for the association control service element: Protocol Implementation
Conformance
Statement (PICS) proforma; Amendment 1: Support of...
ITU-T Rec. X.260 (10/96) Information technology - Framework for protocol identification and
encapsulation
ITU-T Rec. X.263 (09/98) Information technology - Protocol identification in the Network Layer
ITU-T Rec. X.264 (11/93) Transport protocol identification mechanism
.ITU-T Rec. X.272 (03/00) Data compression and privacy over frame relay networks - To be published
ITU-T Rec. X.273 (07/94) Information technology - Open Systems Interconnection - Network layer
security
protocol
ITU-T Rec. X.274 (07/94) Information technology - Telecommunication and information exchange
between
systems - Transport layer security protocol
ITU-T Rec. X.281 (06/99) Information technology - Elements of management information related to
the OSI
Physical Layer
ITU-T Rec. X.282 (06/99) Elements of management information related to the OSI data link layer
ITU-T Rec. X.283 (12/97) Information technology - Elements of management information related to
the OSI
Network layer
ITU-T Rec. X.284 (12/97) Information technology - Elements of management information related to
the OSI

Transport Layer

ITU-T Rec. X.287 (03/99) Information technology - Open Systems Interconnection - Structure of management information: Managed objects for supporting upper layers

ITU-T Rec. X.290 (04/95) OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications - General concepts

ITU-T Rec. X.291 (04/95) OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications - Abstract test suite specification

ITU-T Rec. X.292 (09/98) OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications - The Tree and Tabular Combined Notation (TTCN)

ITU-T Rec. X.293 (04/95) OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications - Test realization

ITU-T Rec. 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

ITU-T Rec. X.295 (04/95) OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications - Protocol profile test specification

ITU-T Rec. X.296 (11/95) OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications - Implementation conformance statements

ITU-T Rec. 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

ITU-T Rec. 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

ITU-T Rec. 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

ITU-T Rec. X.305 (11/88) Functionalities of subnetworks relating to the support of the OSI connection-mode network service

ITU-T Rec. X.320 (10/96) General arrangements for interworking between Integrated Services Digital Networks (ISDNs) for the provision of data transmission services

ITU-T Rec. X.321 (10/96) General arrangements for interworking between Circuit-Switched Public Data

Networks (CSPDNs) and Integrated Service Digital Networks (ISDNs) for the provision of data transmission services

ITU-T Rec. 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

ITU-T Rec. X.323 (11/88) General arrangements for interworking between Packet Switched Public Data

Networks (PSPDNs)

ITU-T Rec. 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

ITU-T Rec. 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

ITU-T Rec. X.326 (11/88) General arrangements for interworking between Packet Switched Public Data

Networks (PSPDNs) and Common Channel Signalling Network (CCSN)

ITU-T Rec. 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

ITU-T Rec. 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

ITU-T Rec. X.329 (03/2000) General arrangements for interworking between networks providing frame relay data transmission services and B-ISDN

ITU-T Rec. X.340 (03/93) General arrangements for interworking between a Packet Switched Public Data Network (PSPDN) and the international telex network

ITU-T Rec. X.350 (12/97) General interworking requirements to be met for data transmission in international public mobile satellite systems

ITU-T Rec. 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

ITU-T Rec. X.352 (11/88) Interworking between Packet Switched Public Data Networks and public maritime mobile satellite data transmission systems

.ITU-T Rec. X.353 (11/88) Routing principles for interconnecting public maritime mobile satellite data transmission systems with public data networks

ITU-T Rec. X.361 (10/96) Connection of VSAT systems with Packet-Switched Public Data Networks based on X.25 procedures

ITU-T Rec. X.371/Y.1402 (02/01) General arrangements for interworking between Public Data Networks and the Internet - To be published

ITU-T Rec. X.400/F.400 (06/99) Message handling system and service overview - To be published

ITU-T Rec. X.402 (06/99) Information Technology - Message Handling Systems (MHS) - Overall architecture - To be published

ITU-T Rec. X.404 (06/99) Information technology - Message Handling Systems (MHS): MHS Routing - Guide for messaging system managers

ITU-T Rec. X.408 (11/88) Message handling systems: Encoded information type conversion rules

ITU-T Rec. X.411 (06/99) Information Technology - Message Handling Systems (MHS) - Message transfer system: Abstract service definition and procedures - To be published

ITU-T Rec. X.412 (06/99) Information technology - Message handling systems (MHS): MHS routing

ITU-T Rec. X.413 (06/99) Information technology - Message Handling Systems (MHS): Message store: Abstract service definition

ITU-T Rec. X.419 (06/99) Information Technology - Message Handling Systems (MHS) - Protocol specifications - To be published

ITU-T Rec. X.420 (06/99) Information Technology - Message Handling Systems (MHS) - Interpersonal Messaging System - To be published

.ITU-T Rec. X.421 (06/1999) Message Handling Systems: COMFAX use of MHS

ITU-T Rec. X.435 (06/99) Information technology - Message Handling Systems (MHS): Electronic data interchange messaging system

ITU-T Rec. X.440 (06/99) Message handling systems: Voice messaging system - To be published

ITU-T Rec. X.445 (04/95) Asynchronous protocol specification - Provision of OSI connection mode network service over the telephone network

ITU-T Rec. X.446 (08/97) Common messaging call API

ITU-T Rec. X.460 (04/95) Information technology - Message Handling Systems (MHS) management: Model and architecture

ITU-T Rec. X.462 (10/96) Information technology - Message Handling Systems (MHS) management: Logging information

ITU-T Rec. X.467 (10/96) Information technology - Message Handling Systems (MHS) management: Message transfer agent management

ITU-T Rec. X.481 (06/99) Message Handling Systems - P2 protocol PICS proforma

ITU-T Rec. X.482 (06/99) Message Handling Systems - P1 protocol PICS proforma

ITU-T Rec. X.483 (06/99) Message Handling Systems - P3 protocol PICS proforma

ITU-T Rec. X.484 (06/99) Message Handling Systems - P7 protocol PICS proforma
ITU-T Rec. X.485 (09/92) Message Handling Systems: Voice messaging system Protocol Implementation
Conformance Statement (PICS) proforma
.ITU-T Rec. X.486 (06/99) Message Handling Systems - P7 protocol PICS proforma
ITU-T Rec. X.487 (06/99) Message Handling Systems - IPM-MS attributes PICS proforma
ITU-T Rec. X.488 (06/99) Message Handling Systems - EDI-MS attributes PICS proforma
ITU-T Rec. X.500 (02/01) Information Technology - Open systems interconnection - The directory: Overview
of concepts, models and services - To be published
ITU-T Rec. X.501 (02/01) Information Technology - Open systems interconnection - The directory: Models -
To be published
ITU-T Rec. X.509 Corrigendum 1 (03/00) Information technology - Open Systems Interconnection - The
directory: Public-key and attribute certificate frameworks - To be published
ITU-T Rec. X.509 Corrigendum 2 (03/00) - Information technology - Open Systems Interconnection - The
directory: Public-key and attribute certificate frameworks - To be published
ITU-T Rec. X.509 (03/00) Information technology - Open Systems Interconnection - The directory: Public-key and attribute certificate frameworks - To be published
ITU-T Rec. X.511 (02/01) Information technology - Open systems interconnection - The directory: Abstract
service definition - To be published
ITU-T Rec. X.518 (02/01) Information technology - Open systems interconnection - The directory: Procedures for distributed operation - To be published
ITU-T Rec. X.519 (02/01) Information technology - Open systems interconnection - The directory: Protocol specifications - To be published
ITU-T Rec. X.520 (02/01) Information technology - Open Systems Interconnection - The Directory: Selected
attribute types - To be published
.ITU-T Rec. X.521 (02/01) Information technology - Open Systems Interconnection - The Directory: Selected
object classes - To be published
ITU-T Rec. X.525 (02/01) Information technology - Open systems interconnection - The directory: replication - To be published
ITU-T Rec. X.530 (02/01) Information technology - Open systems interconnection - The directory: Use of
systems management for administration of the directory - To be published
ITU-T Rec. X.581 (11/95) Information technology - Open Systems Interconnection - The directory : Directory access protocol - Protocol Implementation Conformance Statement (PICS) proforma
ITU-T Rec. X.582 (11/95) Information technology - Open Systems Interconnection - The Directory: Directory
system protocol - Protocol Implementation Conformance Statement (PICS) proforma
ITU-T Rec. X.583 (12/97) Information technology - Open Systems Interconnection - The Directory: Protocol
Implementation Conformance Statement (PICS) proforma for the Directory access protocol
ITU-T Rec. X.584 (12/97) Information technology - Open Systems Interconnection - The Directory: Protocol
Implementation Conformance Statement (PICS) proforma for the Directory system protocol
ITU-T Rec. X.585 (12/97) Information technology - Open Systems Interconnection - The Directory: Protocol
Implementation Conformance Statement (PICS) proforma for the Directory operational binding
management
protocol
ITU-T Rec. X.586 (12/97) Information technology - Open Systems Interconnection - The Directory: Protocol
Implementation Conformance Statement (PICS) proforma for the Directory information shadowing
protocol
ITU-T Rec. X.601 (03/2000) Multi-peer communications framework
ITU-T Rec. X.605 (09/98) Information technology - Enhanced Communications Transport Service
Definition
ITU-T Rec. X.610 (09/92) Provision and support of the OSI connection-mode network service

.ITU-T Rec. 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)

ITU-T Rec. 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

ITU-T Rec. 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

ITU-T Rec. X.622 (07/94) Information technology - Protocol for providing the connectionless-mode network service: Provision of the underlying service by an X.25 subnetwork

ITU-T Rec. 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

ITU-T Rec. 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

ITU-T Rec. X.630 (09/98) Efficient open systems interconnection (OSI) operations

ITU-T Rec. X.633 Addendum 1 (09/98) Information technology - Open Systems Interconnection - Network Fast Byte Protocol - Addendum 1: SDL specifications

ITU-T Rec. X.633 (10/96) Information technology - Open systems interconnection - Network Fast Byte protocol

ITU-T Rec. X.634 Addendum 1 (09/98) Information technology - Open Systems Interconnection - Transport Fast Byte Protocol - Addendum 1: SDL specifications

ITU-T Rec. X.634 (10/96) Information technology - Open Systems Interconnection - Transport Fast Byte Protocol

ITU-T Rec. X.637 (10/96) Basic connection-oriented common upper layer requirements

.ITU-T Rec. X.638 (10/96) Minimal OSI facilities to support basic communications applications

ITU-T Rec. X.639 (10/96) Basic connection-oriented requirements for ROSE-based profiles

ITU-T Rec. X.641 (12/97) Information technology - Quality of service: Framework

ITU-T Rec. X.642 (09/98) Information technology - Quality of service - Guide to methods and mechanisms

ITU-T Rec. X.650 (10/96) Information technology - Open Systems Interconnection - Basic Reference Model: Naming and addressing

ITU-T Rec. X.660 (09/92) Information technology - Open Systems Interconnection - Procedures for the operation of OSI Registration Authorities - General procedures

ITU-T Rec. X.660 Amendment 1 (10/96) Information technology - Open Systems Interconnection - Procedures for the operation of OSI Registration Authorities: General procedures - Amendment 1: Incorporation of object identifiers components

ITU-T Rec. X.660 Amendment 2 (08/97) Information technology - Open Systems Interconnection - Procedures for the operation of OSI Registration Authorities: General procedures; Amendment 2: Incorporation of the root arcs of the object identifier tree

ITU-T Rec. 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

ITU-T Rec. X.665 (09/92) Information technology - Open Systems Interconnection - Procedures for the operation of OSI Registration Authorities: Application processes and application entities

ITU-T Rec. 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

.ITU-T Rec. X.669 Corrigendum 1 (06/99) Procedures for the operation of OSI registration authorities: Registration procedures for the itu-t subordinate arcs

ITU-T Rec. X.669 (10/96) Procedures for the operation of OSI registration authorities: Registration procedures for the ITU-T subordinate arcs

ITU-T Rec. X.670 (10/96) Procedures for registration agents operating on behalf of organizations to register organization names subordinate to country names

ITU-T Rec. X.671 (10/96) Procedures for a registration authority operating on behalf of countries to register organization names subordinate to country names

ITU-T Rec. X.680 Corrigendum 1 (06/99) Information technology - Abstract Syntax Notation One (ASN.1):
Specification of basic notation

ITU-T Rec. X.680 Corrigendum 2 (03/00) Information technology - Abstract Syntax Notation One (ASN.1):
Specification of basic notation - To be published...

ITU-T Rec. X.680 Corrigendum 3 (02/01) Information technology - Abstract Syntax Notation One (ASN.1):
Specification of basic notation - To be published

ITU-T Rec. X.680 Corrigendum 4 (03/01) Information technology - Abstract Syntax Notation One (ASN.1):
Specification of basic notation - To be published

ITU-T Rec. X.680 (12/97) Information technology - Abstract Syntax Notation One (ASN.1):
Specification of basic notation

ITU-T Rec. X.680 Amendment 1 (06/99) Information technology - Abstract Syntax Notation One (ASN.1):
Specification of basic notation - Amendment 1: Relative object identifiers

ITU-T Rec. X.680 Amendment 2 (06/99) Information technology - Abstract Syntax Notation One (ASN.1):
Specification of basic notation - Amendment 2: ASN.1 semantic model

ITU-T Rec. X.681 Corrigendum 1 (06/99) Information technology - Abstract Syntax Notation One (ASN.1):
Information object specification

ITU-T Rec. X.681 (12/97) Information technology - Abstract Syntax Notation One (ASN.1):
Information object specification

ITU-T Rec. X.681 Amendment 1 (06/99) Information technology - Abstract Syntax Notation One (ASN.1):
Information object specification - Amendment 1: ASN.1 semantic model

ITU-T Rec. X.682 Corrigendum 1 (03/00) Information technology - Abstract Syntax Notation One (ASN.1):
Constraint specification - To be published...

ITU-T Rec. X.682 Corrigendum 2 (02/01) - Information technology - Abstract Syntax Notation One (ASN.1):
Constraint specification - To be published

ITU-T Rec. X.682 Corrigendum 3 (03/01) Information technology - Abstract Syntax Notation One (ASN.1):
Constraint specification - To be published

ITU-T Rec. X.682 (12/97) Information technology - Abstract Syntax Notation One (ASN.1):
Constraint specification

ITU-T Rec. X.683 (12/97) Information technology - Abstract Syntax Notation One (ASN.1):
Parameterization of ASN.1 specifications

ITU-T Rec. X.683 Amendment 1 (06/99) Information technology - Abstract Syntax Notation One (ASN.1):
Parameterization of ASN.1 specifications - Amendment 1: ASN.1 semantic model

ITU-T Rec. X.690 Corrigendum 1 (06/99) Information technology - ASN.1 encoding rules:
Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER) -
Technical Corrigendum 1

ITU-T Rec. X.690 Corrigendum 2 (02/01) Information technology - ASN.1 encoding rules -
Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules -

To be published

ITU-T Rec. X.690 (12/97) Information technology - ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)

ITU-T Rec. X.690 Amendment 1 (06/99) Information technology - ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER) - Amendment 1: Relative object identifiers

ITU-T Rec. X.691 Corrigendum 1 (06/99) Information technology - ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)

ITU-T Rec. X.691 Corrigendum 2 (02/01) Information technology - ASN.1 encoding rules - Specification of Packed Encoding Rules (PER) - To be published

ITU-T Rec. X.691 Corrigendum 3 (03/01) Information technology - ASN.1 encoding rules - Specification of Packed Encoding Rules (PER) - To be published

ITU-T Rec. X.691 (12/97) Information technology - ASN.1 encoding rules - Specification of Packed Encoding Rules (PER)

ITU-T Rec. X.691 Amendment 1 (06/99) Information technology - ASN.1 encoding rules: Specification of Packed Encoding Rules (PER) - Amendment 1: Relative object identifiers

ITU-T Rec. X.700 (09/92) Management framework for Open Systems Interconnection (OSI) for CCITT applications

ITU-T Rec. X.701 (08/97) Information technology - Open Systems Interconnection - Systems management overview

ITU-T Rec. X.702 (11/95) Information technology - Open Systems Interconnection - Application context for systems management with transaction processing

ITU-T Rec. X.703 (10/97) Information technology - Open Distributed Management Architecture

ITU-T Rec. X.703 Amendment 1 (06/98) Information technology - Open Distributed Management Architecture; Amendment 1: Support using Common Object Request Broker Architecture (CORBA)

ITU-T Rec. X.710 (10/97) Information technology - Open Systems Interconnection - Common Management Information Service

ITU-T Rec. X.711 Corrigendum 1 (03/99) Information technology - Open Systems Interconnection - Common management information protocol: Specification - Technical Corrigendum 1

ITU-T Rec. X.711 Corrigendum 2 (02/00) Information technology - Open systems interconnection - Common management information protocol: Specification - To be published

ITU-T Rec. X.711 (10/97) Information technology - Open Systems Interconnection - Common Management Information Protocol: Specification

ITU-T Rec. X.712 Corrigenda 1 and 2 (10/96) Information technology - Open Systems Interconnection - Common management information protocol: Protocol Implementation Conformance Statement (PICS) proforma

ITU-T Rec. X.712 Corrigendum 3 (06/98) Information technology - Open Systems Interconnection - Common management information protocol: Protocol Implementation Conformance Statement (PICS) proforma - Technical Corrigendum 3

ITU-T Rec. X.712 (09/92) Information technology - Open Systems Interconnection - Common management information protocol: Protocol Implementation Conformance Statement proforma

ITU-T Rec. X.720 Corrigendum 1 (02/94) Information technology - Open Systems Interconnection - Structure of management information: Management information model

ITU-T Rec. X.720 (01/92) Information technology - Open Systems Interconnection - Structure of management information: Management information model

ITU-T Rec. X.720 Amendment 1 (11/95) Information technology - Open Systems Interconnection - Structure of management information: Management information model - Amendment 1: Generalization of terms

ITU-T Rec. X.721 Corrigendum 1 (02/94) Information technology - Open Systems Interconnection - Structure of management information: Definition of management information

ITU-T Rec. X.721 Corrigendum 2 (10/96) Information technology - Open Systems Interconnection - Structure of management information : Definition of management information - Technical Corrigendum 2

ITU-T Rec. X.721 Corrigendum 3 (06/98) Information technology - Open Systems Interconnection - Structure of management information: Definition of management information; Technical corrigendum 3

ITU-T Rec. X.721 Corrigendum 4 (02/00) Information technology - Open Systems Interconnection - Structure of management information: Definition of management information - Technical Corrigendum 4: Use of ASN.1

1997

ITU-T Rec. X.721 (02/92) Information technology - Open Systems Interconnection - Structure of management information: definition of management information

ITU-T Rec. X.722 Corrigendum 1 (10/96) Information technology - Open Systems Interconnection - Structure of management information: Guidelines for the definition of managed objects - Technical Corrigendum 1

ITU-T Rec. X.722 Corrigendum 2 (02/00) Information technology - Open systems interconnection - Structure of management information: Guidelines for the definition of managed objects - To be published

ITU-T Rec. X.722 (01/92) Information technology - Open Systems Interconnection - Structure of Management Information: Guidelines for the definition of managed objects

ITU-T Rec. X.722 Amendment 1 (11/95) Information technology - Open systems interconnection - Structure of management information: Guidelines for the definition of managed objects; Amendment 1: Set by create and component...

ITU-T Rec. X.722 Amendment 2 (08/97) Information technology - Open Systems Interconnection - Structure of management information: Guidelines for the definition of managed objects; Amendment 2: Addition of the NO-MODIFY syntax element and...

ITU-T Rec. X.722 Amendment 3 (08/97) Information technology - Open Systems Interconnection - Structure of management information: Guidelines for the definition of managed objects - Amendment 3: Guidelines for the use of Z in formalizing...

ITU-T Rec. X.723 Corrigendum 1 (06/98) Information technology - Open Systems Interconnection - Structure of management information: Generic management information - Technical Corrigendum 1

ITU-T Rec. X.723 Corrigendum 2 (02/00) Information technology - Open systems interconnection - Systems management: Confidence and diagnostic test categories - To be published

ITU-T Rec. X.723 (11/93) Information technology - Open Systems Interconnection - Structure of management information: Generic management information

ITU-T Rec. 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

ITU-T Rec. X.725 (11/95) Information technology - Open Systems Interconnection - Structure of management information: General Relationship Model

ITU-T Rec. X.727 (03/99) Information technology - Open Systems Interconnection - Structure of management information: Systems management application layer managed objects

ITU-T Rec. X.730 (01/92) Information technology - Open Systems Interconnection - Systems Management:

Object management function

ITU-T Rec. X.730 Amendment 1/Corrigendum 1 (10/96) Information technology - Open Systems Interconnection - Systems management: Object management function; Amendment 1: Implementation conformance statement proformas - Technical Corrigendum 1

ITU-T Rec. X.730 Amendment 1 (04/95) Information technology - Open Systems Interconnection - Systems

management: Object management function - Amendment 1: Implementation conformance statement proformas

.ITU-T Rec. X.731 Corrigendum 1 (04/95) Information technology - Open Systems Interconnection - Systems

Management: State management function

ITU-T Rec. X.731 Corrigendum 2 (01/01) - Information technology - Open systems interconnection - Systems management: State management function - To be published

ITU-T Rec. X.731 (01/92) Information technology - Open Systems Interconnection - Systems

Management:

State management function

ITU-T Rec. X.731 Amendment 1/Corrigendum 1 (10/96) Information technology - Open Systems Interconnection - Systems management: State management function; Amendment 1: Implementation conformance statement proformas - Technical Corrigendum 1

ITU-T Rec. X.731 Amendment 1 (04/95) Information technology - Open Systems Interconnection - Systems

management: State management function; Amendment 1: Implementation conformance statement proformas

ITU-T Rec. X.731 Amendment 2 (01/01) - Information technology - Open systems interconnection - Structure of management information: Definition of management information - To be published

ITU-T Rec. X.732 (01/92) Information technology - Open Systems Interconnection - Systems

Management:

Attributes for representing relationships

ITU-T Rec. X.732 Amendment 1/Corrigendum 1 (10/96) Information technology - Open Systems Interconnection - Systems management: Attributes for representing relationships - Amendment 1: Implementation conformance statement proformas...

ITU-T Rec. X.732 Amendment 1 (04/95) Information technology - Open Systems Interconnection - Systems

management: Attributes for representing relationships; Amendment 1: Implementation conformance statement proformas

ITU-T Rec. X.733 Corrigendum 1 (02/94) Information technology - Open Systems Interconnection - Systems

management: Alarm reporting function

.ITU-T Rec. X.733 Corrigendum 2 (03/99) Information technology - Open Systems Interconnection - Systems

Management: Alarm reporting function - Technical Corrigendum 2

ITU-T Rec. X.733 (02/92) Information technology - Open Systems Interconnection - Systems

Management:

Alarm reporting function

ITU-T Rec. X.733 Amendment 1/Corrigendum 1 (10/96) Information technology - Open Systems Interconnection - Systems management: Alarm reporting function; Amendment 1: Implementation conformance statement proformas - Technical Corrigendum 1

ITU-T Rec. X.733 Amendment 1 (04/95) Information technology - Open Systems Interconnection - Systems

management: Alarm reporting function; Amendment 1: Implementation conformance statement proformas

ITU-T Rec. X.734 Corrigendum 1 (02/94) Information technology - Open Systems Interconnection - Systems

management: Event report management functions

ITU-T Rec. X.734 Corrigendum 2 (03/99) Information technology - Open Systems Interconnection - Systems

Management: Event Report Management Function - Technical Corrigendum 2

ITU-T Rec. X.734 (09/92) Information technology - Open Systems Interconnection - Systems

Management:

Event report management function

ITU-T Rec. X.734 Amendment 1/Corrigendum 1 (10/96) Information technology - Open Systems Interconnection - Systems management: Event report management function; Amendment 1:

Implementation

conformance statement proformas - Technical Corrigendum 1
ITU-T Rec. X.734 Amendment 1 (04/95) Information technology - Open Systems Interconnection - Systems
management: Event report management function; Amendment 1: Implementation conformance statement proformas
ITU-T Rec. X.735 Corrigendum 2 (03/01) Information technology - Open Systems Interconnection - Systems
management: Log control function - To be published
.ITU-T Rec. X.735 (09/92) Information technology - Open Systems Interconnection - Systems Management:
Log control function
ITU-T Rec. X.735 Amendment 1/Corrigendum 1 (10/96) Information technology - Open Systems Interconnection - Systems management: Event report management function; Amendment 1: Implementation
conformance statement proformas - Technical Corrigendum 1
ITU-T Rec. X.735 Amendment 1 (04/95) Information technology - Open systems interconnection - Systems
management: Log control function; Amendment 1: Implementation conformance statement proformas
ITU-T Rec. X.736 (01/92) Information technology - Open Systems Interconnection - Systems Management:
Security alarm reporting function
ITU-T Rec. X.736 Amendment 1/Corrigendum 1 (10/96) Information technology - Open Systems Interconnection - Systems management: Security alarm reporting function; Amendment 1: Implementation
conformance statement proformas - Technical Corrigendum 1
ITU-T Rec. X.736 Amendment 1 (04/95) Information technology - Open systems interconnection - Systems
management: Security alarm reporting function; Amendment 1: Implementation conformance statement proformas
ITU-T Rec. X.737 Corrigendum 1 (06/98) Information technology - Open Systems Interconnection - Systems
management: Confidence and diagnostic test categories; Technical Corrigendum 1
ITU-T Rec. X.737 Corrigendum 2 (02/00) Information technology - Open systems interconnection - Systems management: Confidence and diagnostic test categories - To be published
ITU-T Rec. X.737 Corrigendum 3 (03/01) Information technology - Open Systems Interconnection - Systems
management: Confidence and diagnostic test categories - To be published
ITU-T Rec. X.737 (11/95) Information technology - Open Systems Interconnection - Systems management:
Confidence and diagnostic test categories
.ITU-T Rec. X.738 Corrigendum 1 (06/98) Information technology - Open Systems Interconnection - Systems
management: Summarization function - Technical Corrigendum 1
ITU-T Rec. X.738 Corrigendum 2 (02/00) Information technology - Open systems interconnection - Systems management: Summarization function - To be published
ITU-T Rec. X.738 (11/93) Information technology - Open Systems Interconnection - Systems management:
Summarization function
ITU-T Rec. X.738 Amendment 1 (10/96) Information technology - Open systems interconnection - Systems
management: Summarization function - Amendment 1: Implementation conformance statement proformas
ITU-T Rec. X.739 Corrigendum 1 (06/98) Information technology - Open Systems Interconnection - Systems
management: Metric objects and attributes - Technical corrigendum 1
ITU-T Rec. X.739 (11/93) Information technology - Open Systems Interconnection - Systems Management:
Metric objects and attributes
ITU-T Rec. X.739 Amendment 1 (08/97) Information technology - Open Systems Interconnection - Systems
management: Metric objects and attributes; Amendment 1: Implementation conformance statement

proformas
ITU-T Rec. X.740 Corrigendum 1 (04/95) Information technology - Open Systems Interconnection - Systems
management: Security audit trail function; Technical Corrigendum 1
ITU-T Rec. X.740 Corrigendum 2 (10/96) Information technology - Open Systems Interconnection - Systems
management: Security audit trail function - Technical Corrigendum 2
ITU-T Rec. X.740 Corrigendum 3 (06/98) Information technology - Open Systems Interconnection - Systems
management: Security audit trail function - Technical Corrigendum 3
ITU-T Rec. X.740 (09/92) Information technology - Open Systems Interconnection - Systems
Management:
Security audit trail function
.ITU-T Rec. X.741 Corrigendum 1 (10/96) Information technology - Open systems interconnection - Systems
management: Objects and attributes for access control - Technical Corrigendum 1
ITU-T Rec. X.741 Corrigendum 2 (06/98) Information technology - Open Systems Interconnection - Systems
management: Objects and attributes for access control - Technical Corrigendum 2
ITU-T Rec. X.741 Corrigendum 3 (02/00) Information technology - Open systems interconnection - Systems
management: objects and attributes for access control - To be published
ITU-T Rec. X.741 (04/95) Information technology - Open Systems Interconnection - Systems
management:
Objects and attributes for access control
ITU-T Rec. X.742 Corrigendum 1 (06/98) Information technology - Open Systems Interconnection - Systems
management: Usage metering function for accounting purposes - Technical corrigendum 1
ITU-T Rec. X.742 Corrigendum 2 (02/00) Information technology - Open systems interconnection - Systems management: Usage metering function - To be published
ITU-T Rec. X.742 (04/95) Information technology - Open Systems Interconnection - Systems management:
Usage metering function for accounting purposes
ITU-T Rec. X.742 Amendment 1 (10/97) Information technology - Open Systems Interconnection - Systems
management: Usage metering function for accounting purposes; Amendment 1: Implementation conformance
statement proformas
ITU-T Rec. X.743 Corrigendum 1 (03/01) Information technology - Open Systems Interconnection - Systems
management: Time management function - To be published
ITU-T Rec. X.743 (06/98) Information technology - Open Systems Interconnection - Systems management:
Time management function
ITU-T Rec. X.744 Corrigendum 1 (06/98) Information technology - Open Systems Interconnection - Systems
management: Software management function; Technical corrigendum 1
.ITU-T Rec. X.744 Corrigendum 2 (02/00) Information technology - Open systems interconnection - Systems management: Usage metering function - To be published
ITU-T Rec. X.744 Corrigendum 3 (03/01) Information technology - Open Systems Interconnection - Systems
management: Software management function - To be published
ITU-T Rec. X.744 (10/96) Information technology - Open Systems Interconnection - Systems management:
Software management function
ITU-T Rec. X.745 Corrigendum 1 (08/97) Information technology - Open Systems Interconnection - Systems
management: Test management function - Technical Corrigendum 1
ITU-T Rec. X.745 Corrigendum 2 (06/98) Information technology - Open Systems Interconnection - Systems
management: Test management function - Technical corrigendum 2
ITU-T Rec. X.745 Corrigendum 3 (02/00) - Information technology - Open systems interconnection - Systems management: Test management function - To be published

ITU-T Rec. X.745 (11/93) Information technology - Open Systems Interconnection - Systems Management:
Test management function
ITU-T Rec. X.746 Corrigendum 2 (02/00) - Information technology - Open systems interconnection - Systems management: scheduling function - To be published
ITU-T Rec. X.746 (02/00) Information technology - Open systems interconnection - System management:
scheduling function - To be published
ITU-T Rec. X.748 (03/99) Information technology - Open Systems Interconnection - Systems management:
Response Time Monitoring Function
ITU-T Rec. X.749 (08/97) Information technology - Open Systems Interconnection - Systems management:
Management domain and management policy management function
.ITU-T Rec. X.750 Corrigendum 1 (02/00) Information technology - Open systems interconnection - Systems management: Management knowledge management function - To be published
ITU-T Rec. X.750 (10/96) Information technology - Open Systems Interconnection - Systems management:
Management knowledge management function
ITU-T Rec. X.750 Amendment 1 (10/97) Information technology - Open Systems Interconnection - Systems management: Management knowledge management function; Amendment 1: Extension for General Relationship Model
ITU-T Rec. X.751 Corrigendum 1 (06/98) Information technology - Open Systems Interconnection - Systems management: Changeover function - Technical corrigendum 1
ITU-T Rec. X.751 Corrigendum 2 (02/00) Information technology - Open systems interconnection - Systems management: changeover function - To be published
ITU-T Rec. X.751 (11/95) Information technology - Open Systems Interconnection - Systems Management:
Changeover function
ITU-T Rec. X.753 (10/97) Information technology - Open Systems Interconnection - Systems management:
Command sequencer for systems management
ITU-T Rec. X.754 (02/00) - Editorial consistency corrections for draft Rec. X.754 - Enhanced Event Control
- To be published
ITU-T Rec. X.770 (01/01) - Information technology - Open distributed management - Notification dispatch function - To be published
ITU-T Rec. X.780 (01/01) - TMN guidelines for defining CORBA managed objects - To be published
ITU-T Rec. X.790 Corrigendum 1 (03/99) Trouble management function for ITU-T applications
.ITU-T Rec. X.790 Corrigendum 2 (03/01) Trouble management function for ITU-T applications - To be published
ITU-T Rec. X.790 (11/95) Trouble management function for ITU-T applications
ITU-T Rec. X.790 Amendment 1 (10/96) Trouble management function for ITU-T applications - Amendment 1: Implementation conformance statement proformas
ITU-T Rec. X.791 (10/96) Profile for trouble management function for ITU-T applications
ITU-T Rec. X.792 (03/99) Configuration audit support function for ITU-T applications
ITU-T Rec. X.800 (03/91) Security architecture for Open Systems Interconnection for CCITT applications
ITU-T Rec. X.800 Amendment 1 (10/96) Security architecture for Open systems interconnection for CCITT applications - Amendment 1: Layer two security service and mechanisms for LANs
ITU-T Rec. X.802 (04/95) Information technology - Lower layers security model
ITU-T Rec. X.803 (07/94) Information technology - Open Systems Interconnection - Upper layers security model
ITU-T Rec. X.810 (11/95) Information technology - Open Systems Interconnection - Security frameworks for

open systems: Overview
ITU-T Rec. X.811 (04/95) Information technology - Open Systems Interconnection - Security frameworks for

open systems: Authentication framework
ITU-T Rec. X.812 (11/95) Information technology - Open Systems Interconnection - Security frameworks for

open systems: Access control framework
ITU-T Rec. X.813 (10/96) Information technology - Open Systems Interconnection - Security frameworks in

open systems: Non-repudiation framework
ITU-T Rec. X.814 (11/95) Information technology - Open Systems Interconnection - Security frameworks for

open systems: Confidentiality framework
ITU-T Rec. X.815 (11/95) Information technology - Open Systems Interconnection - Security frameworks for

open systems: Integrity framework
ITU-T Rec. X.816 (11/95) Information technology - Open Systems Interconnection - Security frameworks for

open systems: Security audit and alarms framework
ITU-T Rec. X.830 (04/95) Information technology - Open Systems Interconnection - Generic upper layers

security: Overview, models and notation
ITU-T Rec. X.831 (04/95) Information technology - Open Systems Interconnection - Generic upper layers

security: Security Exchange Service Element (SESE) service definition
ITU-T Rec. X.832 (04/95) Information technology - Open Systems Interconnection - Generic upper layers

security: Security Exchange Service Element (SESE) protocol specification
ITU-T Rec. X.833 (04/95) Information technology - Open Systems Interconnection - Generic upper layers

security: Protecting transfer syntax specification
ITU-T Rec. X.834 (10/96) Information technology - Open systems interconnection - Generic upper layers

security: Security exchange service element (SESE) protocol implementation conformance statement (PICS)
proforma
ITU-T Rec. X.835 (10/96) Information technology - Open Systems Interconnection - Generic upper layers

security: Protecting transfer syntax Protocol Implementation Conformance Statement (PICS) proforma
ITU-T Rec. X.841 (10/00) - Information technology - Security techniques - Security information objects for

access control - To be published
ITU-T Rec. X.842 (10/00) - Information technology - Security techniques - Guidelines on the use and management of Trusted Third Party Services - To be published
ITU-T Rec. X.843 (10/00) - Information technology - Security techniques - Specification of TTP Services to

support the Application of Digital Signatures - To be published
ITU-T Rec. X.851 (12/97) Information technology - Open Systems Interconnection - Service definition for

the commitment, concurrency and recovery service element
ITU-T Rec. X.852 (12/97) Information technology - Open Systems Interconnection - Protocol for the commitment, concurrency and recovery service element: Protocol specification
ITU-T Rec. X.853 (11/95) Information technology - Open Systems Interconnection - Protocol for the commitment, concurrency and recovery service element: Protocol Implementation Conformance Statement
(PICS) proforma
ITU-T Rec. X.860 (12/97) Open Systems Interconnection - Distributed transaction processing: Model
ITU-T Rec. X.861 (12/97) Open Systems Interconnection - Distributed transaction processing: Service definition
ITU-T Rec. X.862 (12/97) Open Systems Interconnection - Distributed transaction processing: Protocol specification
ITU-T Rec. X.863 (07/94) Information technology - Open Systems Interconnection - Distributed transaction

processing: Protocol Implementation Conformance Statement (PICS) proforma
ITU-T Rec. X.880 Corrigendum 1 (11/95) Information technology - Remote operations: Concepts, model and notation - Technical Corrigendum 1
ITU-T Rec. X.880 (07/94) Information technology - Remote Operations: Concepts, model and notation
ITU-T Rec. X.880 Amendment 1 (11/95) Information technology - Remote operations: Concepts, model and notation - Amendment 1: Built-in operations
.ITU-T Rec. X.881 (07/94) Information technology - Remote Operations: OSI realizations - Remote Operations Service Element (ROSE) service definition
ITU-T Rec. X.881 Amendment 1 (11/95) Information technology - Remote operations: OSI realizations - Remote Operations Service Element (ROSE) service definition - Amendment 1: Mapping to A-UNIT-DATA and built-in operations
ITU-T Rec. X.882 Corrigendum 1 (11/95) Information technology - Remote operations: OSI realizations - Remote Operations Service Element (ROSE) protocol specification - Technical Corrigendum 1
ITU-T Rec. X.882 (07/94) Information technology - Remote Operations: OSI realizations - Remote Operations Service Element (ROSE) protocol specification
ITU-T Rec. X.882 Amendment 1 (11/95) Information technology - Remote operations: OSI realizations - Remote Operations Service Element (ROSE) protocol specification - Amendment 1: Mapping to A-UNIT-DATA and built-in operations
ITU-T Rec. X.901 (08/97) Information technology - Open distributed processing - Reference Model: Overview
ITU-T Rec. X.902 (11/95) Information technology - Open distributed processing - Reference Model: Foundations
ITU-T Rec. X.903 (11/95) Information technology - Open distributed processing - Reference Model: Architecture
ITU-T Rec. X.904 (12/97) Information technology - Open distributed processing - Reference Model: Architectural semantics
ITU-T Rec. X.904 Amendment 1 (03/00) Computational formalization - To be published
ITU-T Rec. X.910 (09/98) Information technology - Open distributed processing - Naming framework
.ITU-T Rec. X.920 (12/97) Information technology - Open distributed processing - Interface definition language
ITU-T Rec. X.930 (09/98) Information technology - Open distributed processing - Interface references and binding
ITU-T Rec. X.931 (06/99) Information technology - Open Distributed Processing - Protocol support for computational interactions
ITU-T Rec. X.950 (08/97) Information technology - Open distributed processing - Trading function: Specification
ITU-T Rec. X.952 (12/97) Information technology - Open distributed processing - Trading function: Provision of trading function using OSI Directory service
ITU-T Rec. X.960 (06/99) Information Technology - Open Distributed Processing - Type Repository Function

Series Y Global information infrastructure and Internet protocol aspects

ITU-T Rec. Y.100 (06/98) General overview of the Global Information Infrastructure standards development
ITU-T Rec. Y.101 (03/2000) Global Information Infrastructure terminology: Terms and definitions
ITU-T Rec. Y.110 (06/98) Global Information Infrastructure principles and framework architecture
ITU-T Rec. Y.120 Corrigendum 1 (11/00) - To be published
ITU-T Rec. Y.120 (06/98) Global Information Infrastructure scenario methodology

ITU-T Rec. Y.120 Annex A (02/99) Global information infrastructure scenario methodology - Annex A:
Examples of use
ITU-T Rec. Y.130 (03/2000) Information communication architecture
ITU-T Rec. Y.140 (11/00) Global Information Infrastructure (GII) - Reference points for interconnection framework - To be published
ITU-T Rec. I.351/Y.801/Y.1501 (10/2000) Relationships among ISDN, Internet Protocol and GII performance
Recommendations
ITU-T Rec. Y.1001 (11/00) - IP Framework - A Framework for convergence of Telecommunications Network and IP Network technologies - To be published
ITU-T Rec. Y.1231 (11/00) IP Access Network architecture - To be published
ITU-T Rec. Y.1241 (03/01) Support of IP-based services using IP transfer capabilities - To be published
ITU-T Rec. Y.1301/G.871 (03/00) Framework for optical transport network Recommendations - To be published
ITU-T Rec. Y.1310 (03/2000) Transport of IP over ATM in public networks
ITU-T Rec. Y.1321/X.85 (03/01) - IP over SDH using LAPS - To be published
ITU-T Rec. Y.1322/G.707 (10/00) - Network node interface for the synchronous digital hierarchy (SDH) - To be published
ITU-T Rec. Y.1401 (10/2000) General requirements for interworking with Internet protocol (IP)-based networks
ITU-T Rec. I.351/Y.801/Y.1501 (10/2000) Relationships among ISDN, Internet Protocol and GII performance
Recommendations

Series Z Programming languages

ITU-T Rec. Z.100 (11/99) Specification and description language (SDL)
ITU-T Rec. Z.100 Annex F1 (11/00) Formal description techniques (FDT) - Specification and Description Language (SDL) - To be published
ITU-T Rec. Z.100 Annex F2 (11/00) - Formal definition of SDL - Well-formedness and transformation rules - To be published
ITU-T Rec. Z.100 Annex F3 (11/00) Formal description techniques (FDT) - Specification and Description Language (SDL) - To be published
ITU-T Rec. Z.100 Supplement 1 (05/97) SDL + methodology: Use of MSC and SDL (with ASN.1)
ITU-T Rec. Z.105 (11/99) SDL Combined with ASN.1 modules (SDL/ASN.1)
ITU-T Rec. Z.106 (11/00) Common interchange format for SDL - To be published
ITU-T Rec. Z.107 (11/99) SDL with embedded ASN.1
ITU-T Rec. Z.109 (11/99) SDL combined with UML
ITU-T Rec. Z.110 (11/00) Criteria for use of description techniques by ITU-T - To be published
ITU-T Rec. Z.120 (11/99) Message Sequence Chart (MSC) - To be published
ITU-T Rec. Z.120 Annex B - Formal Semantics of Message Sequence Charts - To be published
ITU-T Rec. Z.130 (02/99) ITU object definition language
ITU-T Rec. Z.200 (11/99) The ITU-T programming language - To be published
ITU-T Rec. Z.301 (11/88) Introduction to the CCITT man-machine language
ITU-T Rec. Z.302 (11/88) The meta-language for describing MML syntax and dialogue procedures
ITU-T Rec. Z.311 (11/88) Introduction to syntax and dialogue procedures
ITU-T Rec. Z.312 (11/88) Basic format layout
ITU-T Rec. Z.314 (11/88) The character set and basic elements
ITU-T Rec. Z.315 (11/88) Input (command) language syntax specification
ITU-T Rec. Z.316 (11/88) Output language syntax specification
ITU-T Rec. Z.317 (11/88) Man-machine dialogue procedures
ITU-T Rec. Z.321 (11/88) Introduction to the extended MML for visual display terminals

ITU-T Rec. Z.322 (11/88) Capabilities of visual display terminals
 ITU-T Rec. Z.323 (11/88) Man-machine interaction
 ITU-T Rec. Z.331 (11/88) Introduction to the specification of the man-machine interface
 ITU-T Rec. Z.332 (11/88) Methodology for the specification of the man-machine interface - General working procedure
 ITU-T Rec. Z.333 (11/88) Methodology for the specification of the man-machine interface - Tools and methods
 ITU-T Rec. Z.334 (11/88) Subscriber administration
 ITU-T Rec. Z.335 (11/88) Routing administration
 ITU-T Rec. Z.336 (11/88) Traffic measurement administration
 ITU-T Rec. Z.337 (11/88) Network management administration
 ITU-T Rec. Z.341 (11/88) Glossary of terms
 ITU-T Rec. Z.351 (03/93) Data oriented human-machine interface specification technique - Introduction
 ITU-T Rec. Z.352 (03/93) Data oriented human-machine interface specification technique - Scope, approach and reference model
 ITU-T Rec. Z.360 (05/97) Graphic GDMO: A graphic notation for the Guidelines for the Definition of Managed Objects
 ITU-T Rec. Z.361 (02/99) Design guidelines for Human-Computer Interfaces (HCI) for the management of telecommunications networks
 ITU-T Rec. Z.400 (03/93) Structure and format of quality manuals for telecommunications software
 ITU-T Rec. Z.500 (05/97) Framework on formal methods in conformance testing
 ITU-T Rec. Z.600 (11/00) Distributed processing environment architecture - To be published

Prepublished ITU-T Recommendations

Series A - Organization of the work of the ITU-T

File	Size	Date	Recommendation title
A0001E.ZIP	64KB	10/00	A.1 - Work Methods for Study Groups of the ITU Telecommunication Standardization Sector (ITU-T)
A0002E.ZIP	62KB	10/00	A.2 - Presentation of contributions relative to the study of Questions assigned to the ITU-T
A0004E.ZIP	57KB	10/00	A.4 - Communication process between ITU-T and Forums and Consortia
A0006E.ZIP	58KB	10/00	A.6 - Cooperation and exchange of information between ITU-T and national and regional standards development organizations
A0008E.ZIP	71KB	(10/00)	A0008 - Alternative approval process for new and revised Recommendations.
A0009E.ZIP	48KB	(10/00)	A0009 - Provisional working procedures for the special study group on IMT-2000 and beyond

A0011E.ZIP	53KB	(10/00)	A0011 - Publication of ITU-T Recommendations and WTSA proceedings
A0012E.ZIP	51KB	(10/00)	A0012 - Identification and layout of ITU-T Recommendations
A0013E.ZIP	51KB	(10/00)	A0013 - Supplements to ITU-T Recommendations

Series D - General tariff principles

File	Size	Date	Recommendation title
D0050E.ZIP	22KB	11/88	D.50 - Tariff and international accounting principles for the international teletex service
D0140E.ZIP	45KB	07/98	D.140 - Accounting rate principles for international telephone services

Series E - Overall network operation, telephone service, service operation and human factors

File	Size	Date	Recommendation title
E0118E.ZIP	52KB	02/01	E.118 - The international telecommunication charge card
E0152E.ZIP	171KB	02/01	E.152 - International freephone service
E0155E.ZIP	38KB	02/01	E.155 - International premium rate service
E0164_2E.ZIP	42KB	(02/01)	E0164_2 - numbering resources for trials
E0180D1E.ZIP	6KB	(1998)	E0180D1 - Technical characteristics of tones for the telephone service
E0191_1E.ZIP	50KB	(02/01)	E0191_1 - Criteria and procedures for the allocation of the ITU-T international network designator addresses
E0370E.ZIP	798KB	(02/01)	E0370 - Service principles when public circuit-switched international telecommunication networks interwork with IP-based networks
E0411ME.ZIP	32KB	(03/01)	ITU-T Amendment to Recommendation E.411
E0412ME.ZIP	33KB	(03/01)	ITU-T Amendment to Recommendation E.412

E0417E.ZIP	64KB	(02/01)	E0417 - Framework for the network management of IP-based networks 20 CHF
------------	------	---------	--

Series F - *Non-telephone telecommunication services*

File	Size	Date	Recommendation title
F0400E.ZIP	451KB	06/99	F.400/X.400 - Message handling services: Message handling system and service overview

Series G - *Transmission systems and media, digital systems and networks*

File	Size	Date	Recommendation title
G0100E.ZIP	147KB	02/01	G.100 - Definitions used in Recommendations on general characteristics of international telephone connections and circuits
G0113E.ZIP	77KB	02/01	G.113 - Transmission impairments
G0168E.ZIP	574KB	04/00	G.168 - Digital network echo cancellers
G0650E.ZIP	1,110KB	10/00	G.650 - Definition and test methods for the relevant parameters of single-mode fibres
G0652E.ZIP	76KB	10/00	G.652 - Characteristics of a single-mode optical fibre cable
G0653E.ZIP	73KB	10/00	G.653 - Characteristics of a dispersion-shifted single-mode optical fibre cable
G0654E.ZIP	107KB	10/00	G.654 - Characteristics of a cut-off shifted single-mode optical fibre cable
G0655E.ZIP	71KB	10/00	G.655 - Characteristics of a non-zero dispersion shifted single-mode optical fibre cable
G0663E.ZIP	127KB	04/00	G.663 - ...Application related aspects of optical amplifier devices and subsystems
G0671E.ZIP	205KB	02/01	G.671 - Transmission characteristics of passive optical components

G0691E.ZIP	191KB	(10/00)	G0691 - Optical interfaces for single channel STM-64, STM-256 systems and other SDH systems with optical amplifiers
G0705E.ZIP	459KB	10/00	G.705 - Characteristics required to terminate digital links on a digital exchange
G0707C1E.ZIP	348KB	03/01)	G0707C1 - Title not available.
G0709E.ZIP	302KB	02/01	G.709 - Synchronous multiplexing structure
G0722_1E.ZIP	1,119KB	09/99	G.722.1 - Coding at 24 and 32 kbit/s for hands-free operation in systems with low frame loss
G0729NCE.ZIP	82KB	(03/01)	G0729NC - ITU-T Corrigendum to Annexes of Recommendation G.729
G0768E.ZIP	82KB	(03/01)	G0768 - Digital circuit multiplication equipment using 8 kbit/s CS-ACELP
G0774E.ZIP	336KB	02/01	G.774 - Synchronous digital hierarchy (SDH) management information model for the network element view
G0774_10E.ZIP	102KB	(02/01)	G0774_10 - Synchronous digital hierarchy (SDH) bidirectional performance monitoring for the network element view
G0774_1E.ZIP	144KB	02/01	G.774.01 - Synchronous Digital Hierarchy (SDH) performance monitoring for the network element view
G0774_2E.ZIP	126KB	02/01	G.774.02 - Synchronous digital hierarchy (SDH) configuration of the payload structure for the network element view
G0774_3E.ZIP	247KB	02/01	G.774.03 - Synchronous digital hierarchy (SDH) management of multiplex-section protection for the network element view
G0774_4E.ZIP	845KB	02/01	G.774.04 - Synchronous digital hierarchy (SDH) management of the subnetwork connection protection for the network element view
G0774_5E.ZIP	121KB	02/01	G.774.05 - Synchronous Digital Hierarchy (SDH) management of connection supervision functionality (HCS/LCS) for the network element view
G0774_6E.ZIP	129KB	02/01	G.774.6 - Synchronous digital hierarchy (SDH) unidirectional performance monitoring for the

			network element view
G0774_7E.ZIP	55KB	02/01	G.774.7 - Synchronous Digital Hierarchy (SDH) management of lower order path trace and interface labelling for the network element view
G0774_8E.ZIP	192KB	02/01	G.774.8 - Synchronous Digital Hierarchy (SDH) management of radio-relay systems for the network element view
G0774_9E.ZIP	60KB	02/01	G.774.9 - Synchronous Digital Hierarchy (SDH) configuration of linear multiplex section protection for the network element view
G0783C1E.ZIP	102KB	(03/01)	G.783C1 - ITU-T Corrigendum 1 to Recommendation G.783
G0783E.ZIP	645KB	10/00	G.783 - Characteristics of synchronous digital hierarchy (SDH) equipment functional blocks
G0806E.ZIP	262KB	(10/00)	G0806 - Characteristics of transport equipment - Description methodology and generic functionality
G0823E.ZIP	182KB	03/00	G.823 - The control of jitter and wander within digital networks which are based on the 2048 kbit/s hierarchy
G0824E.ZIP	441KB	03/00	G.824 - The control of jitter and wander within digital networks which are based on the 1544 kbit/s hierarchy
G0827E.ZIP	343KB	03/00	G.827 - Availability parameters and objectives for path elements of international constant bit-rate digital paths at or above the primary rate
G0827_1E.ZIP	82KB	(11/00)	G0827_1 - Availability performance objectives for end-to-end international constant bit-rate digital paths at or above the primary rate
G0852_16E.ZIP	91KB	(01/01)	G0852_16 - Enterprise viewpoint for pre-provisioned route discovery
G0853_16E.ZIP	90KB	(01/01)	G0853_16 - Title not available.
G0854_16E.ZIP	37KB	(01/01)	G0854_16 - Computational viewpoint for pre-provisioned route discovery
G0871E.ZIP	77KB	(10/00)	G0871 - - Framework for optical transport network Recommendations
G0959_1E.ZIP	164KB	(02/01)	G0959 1 - Optical transport network

			physical layer interfaces
G0964E.ZIP	393KB	03/01	G.964 - V-Interfaces at the digital local exchange (LE) - V5.1 interface (based on 2048 kbit/s) for the support of access network (AN)
G0965E.ZIP	493KB	03/01	G.965 - V-Interfaces at the digital local exchange (LE) - V5.2 Interface (based on 2048 kbit/s) for the support of access network (AN)
G0971E.ZIP	59KB	04/00	G.971 - ...General features of optical fibre submarine cable systems
G0972E.ZIP	84KB	10/00	G.972 - Definition of terms relevant to optical fibre submarine cable systems
G0975E.ZIP	110KB	10/00	G.975 - Forward error correction for submarine systems
G0976E.ZIP	97KB	10/00	G.976 - Test methods applicable to optical fibre submarine cable systems
G0977E.ZIP	119KB	04/00	G.977 - ...Characteristics of optically amplified optical submarine cable systems
G0983_2E.ZIP	1,369KB	04/00	G.983.2 - ...ONT management and control interface specification for ATM PON
G0983_3E.ZIP	428KB	(02/01)	G0983_3 - A broadband optical access system with increased service capability by wavelength allocation
G0989_1E.ZIP	128KB	(02/01)	G0989_1 - Phoneline networking transceivers - Foundation
G0991_2E.ZIP	930KB	(02/01)	G0991_2 - Single-pair high-speed digital subscriber line (SHDSL) transceivers - For approval - Updated
G0992_1NHE.ZIP	265KB	(10/00)	G0992_1NH - Specific requirements for a synchronized symmetrical DSL (SSDSL) system operating in the same cable binder as ISDN as defined in ITU-T Recommendation G.961
G0994_1E.ZIP	389KB	02/01	G.994.1 - Handshake procedures for digital subscriber line (DSL) transceivers
G0995_1E.ZIP	524KB	02/01	G.995.1 - Overview of digital subscriber line (DSL) Recommendations

G0996_1E.ZIP	1,000KB	02/01	G.996.1 - Test procedures for digital subscriber line (DSL) transceivers
--------------	---------	-------	--

Series H - *Audiovisual and multimedia systems*

File	Size	Date	Recommendation title
H0222_0CE.ZIP	55KB	(03/01)	H0222_0C - ITU-T Corrigendum to Recommendation H.222.0 - Corrigendum: Information technology - Generic coding of moving pictures and associated audio information: Systems
H0225_0CNE.ZIP	312KB	(12/00)	Covering note to Recommendation H.225.0
H0225_0E.ZIP	480KB	11/00	H.225.0 - Call signalling protocols and media stream packetization for packet-based multimedia communication systems
H0235E.ZIP	229KB	11/00	H.235 - Security and encryption for H-Series (H.323 and other H.245-based) multimedia terminals
H0245E.ZIP	542KB	11/00	H.245 - Control protocol for multimedia communication
H0246NE1E.ZIP	101KB	(11/00)	H0246NE1 - Interworking function (IWF) between mobile application part and H.225.0
H0246NE2E.ZIP	468KB	(11/00)	H0246NE2 - ANSI-

			41 (Americas) mobile application part and H.225.0 inter-working
H0248NFE.ZIP	92KB	(11/00)	H0248NF - Facsimile, Text Conversation and Call Discrimination packages
H0248NGE.ZIP	55KB	(11/00)	H0248NG - - User Interface Elements and Actions Packages
H0248NHE.ZIP	47KB	(11/00)	H0248NH - Transport over Stream Control Transmission Protocol (SCTP)
H0248NIE.ZIP	48KB	(11/00)	H0248NI - Transport over ATM
H0248NJE.ZIP	48KB	(11/00)	H0248NJ - Dynamic Tone Definition package
H0248NKE.ZIP	48KB	(11/00)	H0248NK - Generic announcement package (determined text)
H0262C1E.ZIP	49KB	(11/00)	H0262C1 - Information technology - Generic coding of moving pictures and associated audio information: Video
H0263NXE.ZIP	42KB	(04/01)	H0263NX - Profiles and Levels Definition
H0323E.ZIP	783KB	11/00	H.323 - Packet- based multimedia communications systems
H0323NJE.ZIP	50KB	(11/00)	H0323NJ - Security for H.323 Annex F
H0323NLE.ZIP	97KB	(11/00)	H0323NL - - Packet-Based Multimedia Communications

			Systems
H0323NM1E.ZIP	31KB	(11/00)	H0323NM1 - Tunnelling of signalling protocols (QSIG) in H.323
H0450_10E.ZIP	112KB	(03/01)	H0450_10 - Call offer supplementary service for H.323
H0450_11E.ZIP	227KB	(03/01)	H0450_11 - Call intrusion supplementary service for H.323

Series I - Integrated services digital network

File	Size	Date	Recommendation title
I0356E.ZIP	265KB	03/00	I.356 - B-ISDN ATM layer cell transfer performance
I0363_2E.ZIP	332KB	11/00	I.363.2 - Type 2 AAL
I0371E.ZIP	395KB	03/00	I.371 - Traffic control and congestion control in B-ISDN
I0371_1E.ZIP	64KB	11/00	I.371.1 - Traffic control and congestion control in B-ISDN: conformance definitions for ABT and ABR
I0381E.ZIP	94KB	(03/01)	I0381 - ATM Adaptation Layer (AAL) performance
I0731E.ZIP	181KB	10/00	I.731 - Types and general characteristics of ATM equipment
I0732E.ZIP	361KB	10/00	I.732 - Functional characteristics of ATM equipment
I0732NDE.ZIP	647KB	10/00	I0732ND - Library of atomic functions

Series J - Transmission of television, sound programme and other multimedia signals

File	Size	Date	Recommendation title
J0053E.ZIP	23KB	05/00	J.53 - Sampling frequency to be used for the digital transmission of high-quality

			sound-programme signals
J0067E.ZIP	105KB	03/01	J.67 - Test signals and measurement techniques for transmission circuits carrying MAC/packet signals or HD-MAC signals
J0084E.ZIP	230KB	03/01	J.84 - Distribution of digital multi-programme signals for television, sound and data services through SMATV networks
J0087E.ZIP	78KB	03/01	J.87 - Use of hybrid cable television links for the secondary distribution of television into the user's premises
J0090E.ZIP	35KB	05/00	J.90 - Electronic programme guides for delivery by digital cable television and similar methods
J0094M1E.ZIP	507KB	10/00	J0094M1 - ITU-T Amendment 1 to Recommendation J.94
J0096E.ZIP	207KB	03/01	J0096 - Technical method for ensuring privacy in long-distance international MPEG-2 television transmission conforming to Recommendation J.89
J0116E.ZIP	1,097KB	05/00	J.116 - Interaction channel for local multipoint distribution systems
J0118E.ZIP	776KB	05/00	J.118 - Access systems for interactive services on SMATV/MATV networks
J0120E.ZIP	60KB	05/00	J.120 - Distribution of sound and television programs over the IP network
J0142E.ZIP	220KB	05/00	J.142 - Methods for the measurement of parameters in the transmission of digital cable television signals
J0143E.ZIP	52KB	05/00	J.143 - User requirements for objective perceptual video quality measurements in digital cable television
J0144E.ZIP	3,075KB	03/01	J0144 - Objective perceptual video quality measurement techniques for digital cable television in the presence of a full reference
J0145E.ZIP	88KB	03/01	J0145 - Measurement and control of the quality of service for sound transmission over contribution and distribution network
J0150M2E.ZIP	95KB	03/01	J0150M2 - Operational functionalities for the delivery of digital multiprogramme television, sound and data services through multichannel, multipoint distribution systems (MMDS)
J0151E.ZIP	313KB	10/00	J0151 - RF remodulator interface for digital television
J0161E.ZIP	58KB	03/01	J0161 - Audio codec requirements for the

			provision of bi-directional audio service over cable television networks using cable modems
J0162E.ZIP	308KB	03/01	J0162 - Network call signalling protocol for the delivery of time critical services over cable television networks using cable modems
J0163E.ZIP	1,035KB	03/01	J0163 - Dynamic quality of service for the provision of real time services over cable television networks using cable modems
J0164E.ZIP	380KB	03/01	J0164 - Event message requirements for the support of real-time services over cable television networks using cable modems
J0166E.ZIP	123KB	03/01	J0166 - IPCablecom management information base (MIB) framework
J0167E.ZIP	358KB	03/01	J0167 - Media terminal adapter (MTA) device provisioning requirements for the delivery of real time services over cable television networks using cable modems
J0168E.ZIP	62KB	03/01	J0168 - - IPCablecom Media Terminal Adapter (MTA) MIB Requirement
J0169E.ZIP	61KB	03/01	J0169 - IPCablecom Network Call Signaling (NCS) MIB Requirements
J0180E.ZIP	28KB	05/00	J.180 - User requirements for statistical multiplexing of several programmes on a transmission channel
J0181E.ZIP	111KB	03/01	J0181 - Digital program insertion cueing message for cable television systems
J0182E.ZIP	181KB	03/01	J0182 - Parameter sets for analogue interface specifications for the interconnection of set-top-boxes and presentation devices in home
J0183E.ZIP	63KB	03/01	J0183 - Time division multiplexing of multiple MPEG-2 transport streams over cable television systems
J0184E.ZIP	576KB	03/01	J0184 - Digital broadband delivery system: Out-of-band transport
J0200E.ZIP	95KB	03/01	J0200 - Application environment for digital interactive television services

Series K - Protection against interference

File	Size	Date	Recommendation title
------	------	------	----------------------

K0021E.ZIP	81KB	10/00	K.21 - Resistibility of subscriber's terminal to overvoltages and overcurrents
K0046E.ZIP	105KB	12/00	K0046 - Protection of telecommunication lines using metallic symmetric conductors against lightning induced surges
K0047E.ZIP	63KB	12/00	K0047 - Protection of telecommunication lines using metallic conductors against direct lightning discharges
K0054E.ZIP	92KB	10/00	K0054 - Conducted Immunity Test Method and Level at Fundamental Power Frequencies

Series L - Construction, installation and protection of cables and other elements of outside plant

File	Size	Date	Recommendation title
L0019E.ZIP	180KB	10/00	L.19 - Outside plant copper networks for ISDN services
L0040E.ZIP	76KB	10/00	L0040 - Optical fibre outside plant maintenance support, monitoring and testing system - For determination
L0044E.ZIP	136KB	10/00	L0044 - Electric power supply for equipment installed as outside plant
L0045E.ZIP	126KB	10/00	L0045 - Minimizing the effect on the environment from the outside plant in telecommunication networks
L0046E.ZIP	2,969KB	10/00	L0046 - Protection of telecommunication cables and plant from biological attack
L0047E.ZIP	422KB	10/00	L0047 - Access facilities using hybrid fibre/copper networks

Series M - TMN and network maintenance: international transmission systems, telephone circuits, telegraphy, facsimile and leased circuits

File	Size	Date	Recommendation title
M1301E.ZIP	77KB	01/01	M1301 - General description and operational procedures for international SDH leased circuits
M2102E.ZIP	128KB	02/00	M.2102 - Maintenance thresholds and procedures for recovery mechanisms

			(protection and restoration) of international SDH VC trails (paths) and multiplex sections
M2130E.ZIP	63KB	02/00	M.2130 - Operational procedures for the maintenance of the transport network
M2140E.ZIP	91KB	02/00	M.2140 - Transport network event correlation
M3100C2E.ZIP	69KB	01/01	M3100C2 - Generic network information model
M3100M3E.ZIP	174KB	01/01	M3100M3 - Definition of the management interface for a generic Alarm Reporting Control (ARC) Feature
M3108_1C1E.ZIP	47KB	01/01	M3108_1C1 - Information model for management of leased circuit and reconfigurable services
M3108_3E.ZIP	94KB	01/01	M3108_3 - Information model for management of virtual private network service
M3208_1C1E.ZIP	72KB	02/00	M.3208.1 Cor 1 - Corrigendum 1
M3208_2C1E.ZIP	47KB	01/01	M3208_2C1 - TMN management services for dedicated and reconfigurable circuits network: Connection management of pre-provisioned service link connections to form a leased circuit service
M3210_1E.ZIP	206KB	01/01	M3210_1 - TMN management services for IMT-2000 security management
M3400E.ZIP	291KB	02/00	M.3400 - TMN Management Functions

Series O - *Specifications of measuring equipment*

File	Size	Date	Recommendation title
O0001E.ZIP	449KB	02/00	O.1 - Scope and application of measurement equipment specifications covered in the O-series Recommendations
O0172E.ZIP	172KB	03/01	O.172 - Jitter and wander measuring equipment for digital systems which are based on the synchronous digital hierarchy (SDH)

Series P - Telephone transmission quality, telephone installations, local line networks

File	Size	Date	Recommendation title
P0340E.ZIP	191KB	05/00	P.340 - Transmission characteristics of hands-free telephones
P0342E.ZIP	205KB	05/00	P.342 - Transmission characteristics for telephone band (300-3400 Hz) digital loudspeaking and hands-free telephony terminals
P0350E.ZIP	171KB	03/01	P0350 - Handset dimensions
P0502E.ZIP	423KB	05/00	P.502 - Objective test methods for speech communication systems using complex test signals
P0562E.ZIP	186KB	05/00	P.562 - Analysis and interpretation of INMD voice-services measurements
P0832E.ZIP	203KB	05/00	P.832 - Subjective performance evaluation of hands-free terminals
P0833E.ZIP	78KB	02/01	P0833 - Methodology for derivation of equipment impairment factors from subjective listening-only tests

Series Q - Switching and signalling

File	Size	Date	Recommendation title
Q0052E.ZIP	57KB	03/01	Q0052 - Signalling between international switching centres (ISC) and stand-alone echo control devices (ECD)
Q0055E.ZIP	469KB	12/99	Q.55 - Signalling between signal processing network equipment (SPNE) and international switching centres (ISC)
Q0065E.ZIP	464KB	06/00	Q.65 - The unified functional methodology for the characterization of services and network capabilities

Q0711E.ZIP	226KB	03/01	Q.711 - Functional description of the Signalling Connection Control Part
Q0713E.ZIP	97KB	03/01	Q.713 - Signalling Connection Control Part formats and codes
Q0732_2E.ZIP	113KB	12/99	Q0732_2 - Stage 3 description for call offering supplementary services using Signalling System No. 7: Call diversion services
Q0762D1E.ZIP	42KB	06/00	Q.762 Addendum 1 - Title not available.
Q0763D1E.ZIP	52KB	06/00	Q.763 Addendum 1 - Title not available.
Q0763E.ZIP	242KB	12/99	Q.763 - Signalling System No. 7 - ISDN User Part formats and codes
Q0763M1E.ZIP	36KB	03/01	Q0763M1 - Title not available.
Q0764E.ZIP	470KB	12/99	Q.764 - Signalling System No. 7 - ISDN User Part signalling procedures
Q0765E.ZIP	216KB	06/00	Q.765 - Signalling system No. 7 - Application transport mechanism
Q0765_1-BISE.ZIP	96KB	12/99	Q0765_1-BIS - Abstract test suite for the APM support of VPN applications
Q0765_4E.ZIP	98KB	06/00	Q.765.4 - Signalling system No. 7 - Application transport mechanism: Support of the generic addressing and transport protocol
Q0765_5E.ZIP	117KB	06/00	Q.765.5 - Signalling system No. 7 - Application

			transport mechanism: Bearer Independent Call Control (BICC)
Q0812D1E.ZIP	28KB	03/99	Q0812D1 - Additional X interface protocols for the service management layer (SML) Addendum 1
Q0812D2E.ZIP	55KB	03/99	Q0812D2 - Proposed new Appendix for Q.812 (Using allomorhism)
Q0812M2E.ZIP	60KB	02/00	Q0812M2 - Protocol profile for electronic communications interactive agent
Q0816E.ZIP	280KB	01/01	Q0816 - CORBA based TMN services
Q0817E.ZIP	66KB	01/01	Q0817 - TMN PKI digital certificates and certificate revocation lists profiles
Q0821E.ZIP	282KB	02/00	Q.821 - Stage 2 and Stage 3 description for the Q3 interface - Alarm Surveillance
Q0824_7E.ZIP	134KB	02/00	Q.824.7 - Enhanced Broadband Switch
Q0826E.ZIP	845KB	02/00	Q.826 - Stage 2 and Stage 3 Functional Specification of Call Routing Information Management on Operation System/Network Element (OS/NE) Interface
Q0831C1E.ZIP	31KB	03/01	Q0831C1 - Title not available.
Q0831_1E.ZIP	443KB	02/00	Q.831.1 - Access Management for V5
Q0832_1C1E.ZIP	37KB	03/01	Q0832_1C1 - Title not available.
Q0832_3E.ZIP	122KB	01/01	Q0832_3 - Broadband access coordination

Q0833_1E.ZIP	95KB	01/01	Q0833_1 - Asymmetric digital subscriber line (ADSL) network element management Part 1 - CMIP model
Q0834_1E.ZIP	517KB	04/01	Q0834_1 - ATM-PON requirements and managed entities for the network element view
Q0834_2E.ZIP	197KB	04/01	Q0834_2 - ATM-PON requirements and managed entities for the network view
Q0835C1E.ZIP	31KB	03/01	Q0835C1 - Corrigendum 1
Q0850D1E.ZIP	44KB	06/00	Q.850 Addendum 1 - Title not available.
Q0860E.ZIP	181KB	06/00	Q.860 - Integrated Services Digital Network (ISDN) and Broadband Integrated Services Digital Network (B-ISDN) Generic Addressing and Transport (GAT) Protocol
Q0920M1E.ZIP	70KB	06/00	Q.920 Amd 1 - Title not available.
Q0921M1E.ZIP	52KB	06/00	Q.921 Amd 1 - Title not available.
Q0932M1E.ZIP	61KB	06/00	Q.932 Amd 1 - Title not available.
Q0950E.ZIP	68KB	06/00	Q.950 - Supplementary services protocols, structure and general principles
Q1237E.ZIP	346KB	06/00	Q.1237 - ... Extensions to Intelligent Network Capability Set 3 in Support of B-ISDN
Q1238_1E.ZIP	359KB	06/00	Q.1238.1 - Common aspects
Q1238_2E.PDF	2,264KB	06/00	Q.1238.2 - SCF-SSF interface

Q1238_3E.ZIP	346KB	06/00	Q.1238.3 - SCF-SRF interface
Q1238_4E.ZIP	186KB	06/00	Q.1238.4 - SCF-SDF interface
Q1238_5E.ZIP	218KB	06/00	Q.1238.5 - SDF-SDF interface
Q1238_6E.ZIP	224KB	06/00	Q.1238.6 - SCF-SCF interface
Q1238_7E.ZIP	278KB	06/00	Q.1238.7 - SCF-CUSF interface
Q1521E.ZIP	257KB	06/00	Q.1521 - Requirements on underlying networks and signalling protocols to support UPT
Q1531E.ZIP	74KB	06/00	Q.1531 - UPT security requirements for Service Set 1
Q1542E.ZIP	982KB	06/00	Q.1542 - UPT stage 2 for service set 1 on CS2 - Procedures for universal telecommunication functional modelling and information flows
Q1831E.ZIP	115KB	02/00	Q1831 - SSF management information model
Q1901E.ZIP	778KB	06/00	Q.1901 - Bearer independent call control protocol
Q2111E.PDF	671KB	12/99	Q.2111 - Service specific connection oriented protocol in a multi-link and connectionless environment (SSCOPMCE)
Q2630_1NBE.ZIP	212KB	03/01	Q2630_1NB - SDL definition of the AAL type 2 signalling protocol CS1
Q2722_1M1E.ZIP	46KB	06/00	Q.2722.1 Amd 1 - Title not available.
Q2764E.ZIP	586KB	12/99	Q.2764 - Signalling

			System No. 7 B-ISDN User Part (B-ISUP) - Basic call procedures
Q2766_1M1E.ZIP	50KB	06/00	Q.2766.1 Amd 1 - Title not available.
Q2767_1E.ZIP	81KB	06/00	Q.2767.1 - Soft PVC capability
Q2769_1E.ZIP	57KB	06/00	Q.2769.1 - Support of number portability information across B-ISUP
Q2931-BISE.ZIP	87KB	12/00	Q2931-BIS - 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 ...
Q2931-QUAE.ZIP	48KB	12/00	Q2931-QUA - 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 ..
Q2931-QUIE.ZIP	47KB	12/00	Q2931-QUI - 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...
Q2931-SEXE.ZIP	48KB	12/00	Q2931-SEX - 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 ..
Q2931-TERE.ZIP	47KB	12/00	Q2931-TER - 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...
Q2931M2C1E.ZIP	46KB	06/00	Q2931M2C1 - Digital subscriber signalling system No. 2 - User-network interface (UNI) layer 3 specification for basic call/connection control
Q2931M4E.ZIP	253KB	12/99	Q.2931 Amd 4 - Title not available.
Q2961-BISE.ZIP	76KB	12/00	Q2961-BIS - 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 ...
Q2961-QUAE.ZIP	48KB	12/00	Q2961-QUA - Digital subscriber signalling system No. 2 (DSS 2) - Additional traffic parameters - Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) pro forma for the user
Q2961-QUIE.ZIP	48KB	12/00	Q2961-QUI - Digital subscriber signalling system No. 2 (DSS 2) - Additional traffic parameters - Test Suite Structure and Test Purposes (TSS&TP) for the network
Q2961-SEXE.ZIP	48KB	12/00	Q2961-SEX - Digital subscriber signalling system No. 2 (DSS 2) - Additional traffic parameters - Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) pro forma for the Network
Q2961-TERE.ZIP	47KB	12/00	Q2961-TER - Digital subscriber signalling system No. 2 (DSS 2) - Additional traffic parameters - Test Suite Structure and Test Purposes (TSS&TP) for the user
Q2962-BISE.ZIP	47KB	12/00	Q2962-BIS - Digital subscriber

			<p>signalling system No. 2 - Connection characteristics negotiation during call/connection establishment phase Protocol Implementation Conformance Statement (PICS) pro forma</p>
Q2962-QUAE.ZIP	48KB	12/00	<p>Q2962-QUA - 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</p>
Q2962-QUIE.ZIP	47KB	12/00	<p>Q2962-QUI - 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</p>
Q2962-SEXE.ZIP	48KB	12/00	<p>Q2962-SEX - Digital subscriber signalling system No. 2 - Connection characteristics negotiation during call/connection establishment phase Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information ...</p>
Q2962-TERE.ZIP	47KB	12/00	<p>Q2962-TER - Digital subscriber signalling system No. 2 - Connection characteristics negotiation during call/connection establishment phase</p>

			Test Suite Structure and Test Purposes (TSS&TP) for the user
Q2963_1-BISE.ZIP	48KB	12/00	Q2963_1-BIS - Digital Subscriber Signalling System No. 2 - Connection Modification: Peak Cell Rate Modification by the Connection Owner - Protocol Implementation Conformance Statement (PICS) Proforma
Q2963_1-QUAE.ZIP	48KB	12/00	Q2963_1-QUA - 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 ...
Q2963_1-QUIE.ZIP	47KB	12/00	Q2963_1-QUI - 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
Q2963_1-SEXE.ZIP	48KB	12/00	Q2963_1-SEX - 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
Q2963_1-TER	47KB	12/00	Q2963_1-TER -

TERE.ZIP			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
Q2965_1M1E.ZIP	48KB	06/00	Q.2965.1 Amd 1 - Digital subscriber signalling system No. 2 - Support of quality of service classes
Q2981E.ZIP	238KB	12/99	Q.2981 - Broadband integrated services digital network (B-ISDN) and broadband private integrated services network (B-PISN) - Call control protocol
Q2991_1E.ZIP	187KB	12/99	Q.2991.1 - TSS & TP
Q2991_2E.ZIP	90KB	12/99	Q.2991.2 - ICS & IXIT and ATS
Q_S14E.ZIP	266KB	12/99	Q_S14 - Co-ordinated call control and bearer control signalling requirements - Third party co-ordinated call and bearer control
Q_S16E.ZIP	394KB	12/99	Q_S16 - Technical Report TRQ.2140: Signalling requirements for the support of narrowband services via broadband transport technologies
Q_S23E.ZIP	75KB	12/99	Q_S23 - Technical Report TRQ.3010: Operation of the Bearer Independent Call Control (BICC) protocol with AAL type 2 signalling protocol (CS1)
Q_S24E.ZIP	71KB	12/99	Q_S24 - Technical Report TRQ 3020:

			Operation of the Bearer Independent Call Control (BICC) protocol with broadband integrated services digital network User Part (B-ISUP) for AAL type 1 adaptation
Q_S28E.ZIP	269KB	12/99	Q_S28 - Technical Report: Signalling and Protocol Framework for an Evolving Environment (SPFEE) - Specifications for service access
Q_S30E.ZIP	173KB	12/00	Q_S30 - Supplement to ITU-T Recommendation Q.1701: Specifications of International Mobile Telecommunications-2000 (IMT-2000)
Q_S31E.ZIP	201KB	12/00	Q_S31 - TRQ.2141.0: Signalling Requirements for the Support of Narrow-band Services over Broadband Technologies CS-2
Q_S32E.ZIP	1,596KB	12/00	Q_S32 - TRQ.2141.1: Signalling Requirements for the Support of Narrow-band Services via Broadband Transport Technologies CS-2 - Signalling Flows
Q_S33E.ZIP	77KB	12/00	Q_S33 - TRQ.2401: Requirements for Q.AAL2 Capability Set 2
Q_S34E.ZIP	58KB	12/00	Q_S34 - TRQ.2410: Signalling Requirements CS1 for the support of IP Bearer Control in BICC networks
Q_S35E.ZIP	624KB	12/00	Q_S35 - TRQ.2500: Signalling

			Requirements for Call Bearer Interface (CS-1)
Q_S36E.ZIP	72KB	12/00	Q_S36 - Supplement to Q.1902, TRQ.3030: Supplement for BICC Operations with IP Bearer Control Protocol (IPBCP)
Q_S37E.ZIP	60KB	12/00	Q_S37 - DSS 1 and DSS 2 Messages and Information Element Identifiers
Q_S9E.ZIP	36KB	12/00	Q_S9 - Technical Report TRQ.2000: Updated roadmap for the TRQ.2xxxx-Series Technical Reports

Series T - *Terminals for telematic services*

File	Size	Date	Recommendation title
T0004M2E.ZIP	29KB	11/00	T0004M2 - Standardization of group 3 facsimile terminals for document transmission
T0030M1E.ZIP	94KB	02/00	T.30 Amd 1 - Title not available.
T0030M2E.ZIP	43KB	11/00	T0030M2 - Procedures for document facsimile transmission in the general switched telephone network
T0030M3E.ZIP	44KB	03/01	T0030M3 - Procedures for document facsimile transmission in the general switched telephone network
T0037M2E.ZIP	24KB	03/01	T0037M2 - Title not available.
T0038M3E.ZIP	137KB	11/00	T0038M3 - Title not available.
T0082C2E.ZIP	52KB	03/01	T0082C2 - Title not available.
T0089E.ZIP	44KB	11/00	T0089 - Title not available.

Series V - *Data communication over the telephone network*

File	Size	Date	Recommendation title
V0008-BISE.ZIP	207KB	11/00	V0008-BIS - Procedures for starting sessions of data transmission over the public switched telephone network
V0008E.ZIP	68KB	11/00	V.8 - Procedures for starting sessions of data transmission over the public switched telephone network
V0018E.ZIP	220KB	11/00	V.18 - Operational and interworking requirements for DCEs operating in the text telephone mode
V0044E.ZIP	157KB	11/00	V0044 - Data compression procedures
V0059E.ZIP	115KB	11/00	V0059 - Managed objects for diagnostic information of public switched telephone network connected V-series modem DCEs
V0092E.ZIP	572KB	11/00	V0092 - Enhancements to Recommendation V.90

Series X - Data networks and open system communication

File	Size	Date	Recommendation title
X0006M1E.ZIP	89KB	03/00	X.6 Amd 1 - Frame relay PVC multicast service definition
X0028M1E.ZIP	135KB	03/00	X.28 Amd 1 - Extensions of PAD parameter settings and PAD service signals
X0034C1E.ZIP	69KB	03/00	X.34 Cor 1 - Title not available.
X0036E.ZIP	439KB	03/00	X.36 - 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
X0042E.ZIP	266KB	03/00	X.42 - Procedures and methods for accessing a public data network from a DTE operating under control of a generalized polling protocol
X0076E.ZIP	409KB	03/00	X.76 - Network-to-network interface between public networks providing PVC and/or SVC frame relay data transmission service
X0077C1E.ZIP	69KB	03/00	X.77 Cor 1 - Title not available.
X0078C1E.ZIP	68KB	03/00	X.78 Cor 1 - Corrigendum 1

X0085E.ZIP	78KB	03/01	X0085 - IP over SDH using LAPS
X0086E.ZIP	103KB	02/01	X0086 - Ethernet over LAPS
X0121E.ZIP	125KB	10/00	X.121 - International numbering plan for public data networks
X0144E.ZIP	257KB	10/00	X.144 - User information transfer performance parameters for data networks providing international frame relay PVC service
X0146E.ZIP	98KB	10/00	X.146 - Performance objectives and quality of service classes applicable to frame relay
X0162E.ZIP	506KB	03/00	X.162 - Definition of management information for customer network management service for public data networks to be used with the CNMc interface
X0171E.ZIP	47KB	03/00	X.171 - Network-network management services for data networks
X0213M2E.ZIP	70KB	03/00	X.213 Amd 2 - Addition of the authority and format identifier for ITU-T international network designators
X0215C1E.ZIP	43KB	03/00	X.215 Cor 1 - Corrigendum 1
X0225C1E.ZIP	67KB	03/00	X.225 Cor 1 - Corrigendum 1
X0228C1E.ZIP	67KB	03/00	X.228 Cor 1 - Corrigendum 1
X0272E.ZIP	121KB	03/00	X.272 - Data compression and privacy over frame relay networks
X0371E.ZIP	167KB	02/01	X0371 - General arrangements for interworking between Public Data Networks and the Internet
X0400E.ZIP	451KB	06/99	X.400/F.400 - Message handling services: Message handling system and service overview
X0402E.ZIP	241KB	06/99	X.402 - Information technology - Message Handling Systems (MHS): Overall architecture
X0411E.ZIP	291KB	06/99	X.411 - Information technology - Message Handling Systems (MHS): Message transfer system: abstract service definition and procedures
X0419E.ZIP	87KB	06/99	X.419 - Information technology - Message Handling Systems (MHS): Protocol specifications
X0420E.ZIP	305KB	06/99	X.420 - Information technology - Message Handling Systems (MHS): Interpersonal messaging system

X0421E.ZIP	68KB	06/99	X.421 - Message handling systems: COMFAX use of MHS
X0440E.ZIP	209KB	06/99	X.440 - Message handling systems: Voice messaging system
X0500E.ZIP	122KB	02/01	X.500 - Information technology - Open Systems Interconnection - The Directory: Overview of concepts, models and services
X0501E.ZIP	1,079KB	02/01	X.501 - Information Technology - Open Systems Interconnection - The directory: Models
X0509CN1E.ZIP	355KB	03/00	X0509CN1 - Title not available.
X0509CN2E.ZIP	5KB	03/00	X0509CN2 - Title not available.
X0509E.ZIP	803KB	03/00	X.509 - Information technology - Open Systems Interconnection - The Directory: Public-key and attribute certificate frameworks
X0511E.ZIP	263KB	02/01	X.511 - Information technology - Open Systems Interconnection - The directory: Abstract service definition
X0518E.ZIP	671KB	02/01	X.518 - Information technology - Open Systems Interconnection - The directory: Procedures for distributed operation
X0519E.ZIP	88KB	02/01	X.519 - Information technology - Open Systems Interconnection - The directory: Protocol specifications
X0520E.ZIP	138KB	02/01	X.520 - Information technology - Open Systems Interconnection - The directory: Selected attribute types
X0521E.ZIP	59KB	02/01	X.521 - Information technology - Open Systems Interconnection - The directory: Selected object classes
X0525E.ZIP	118KB	02/01	X.525 - Information technology - Open Systems Interconnection - The Directory: Replication
X0530E.ZIP	116KB	02/01	X.530 - Information technology - Open Systems Interconnection - The Directory: Use of systems management for administration of the Directory
X0680C2E.ZIP	38KB	03/00	X.680 Cor 2 - Corrigendum 2
X0680C3E.ZIP	36KB	05/01	X0680C3 - Title not available.
X0680C4E.ZIP	25KB	03/01	X0680C4 - Title not available.
X0682C1E.ZIP	26KB	03/00	X.682 Cor 1 - Corrigendum 1
X0682C2E.ZIP	28KB	02/01	X0682C2 - Title not available.

X0682C3E.ZIP	24KB	03/01	X0682C3 - Title not available.
X0690C2E.ZIP	27KB	02/01	X0690C2 - Title not available.
X0691C2E.ZIP	29KB	02/01	X0691C2 - Title not available.
X0691C3E.ZIP	25KB	03/01	X0691C3 - Title not available.
X0711C2E.ZIP	35KB	02/00	X.711 Cor 2 - CMIP revision to include ASN.1:1997
X0722C2E.ZIP	25KB	02/00	X.722 Cor 2 - Revision of GDMO to include ASN.1:1997
X0723C2E.ZIP	26KB	02/00	X.723 Cor 2 - Revision of GMI to include ASN.1:1997
X0731C2E.ZIP	24KB	01/01	X0731C2 - Information technology - Open systems interconnection - Systems management: State management function
X0731M2E.ZIP	56KB	01/01	X0731M2 - Information technology - Open systems interconnection - Structure of management information: Definition of management information
X0735C2E.ZIP	25KB	03/01	X0735C2 - Title not available.
X0737C2E.ZIP	29KB	02/00	X.737 Cor 2 - Revision to include ASN.1:1997
X0737C3E.ZIP	25KB	03/01	X0737C3 - Title not available.
X0738C2E.ZIP	27KB	02/00	X.738 Cor 2 - Revision to include ASN.1:1997
X0741C3E.ZIP	28KB	02/00	X.741 Cor 3 - Revision to include ASN.1:1997
X0742C2E.ZIP	23KB	02/00	X.742 Cor 2 - Revision to include ASN.1:1997
X0743C1E.ZIP	25KB	03/01	X0743C1 - Title not available.
X0744C2E.ZIP	28KB	02/00	X.744 Cor 2 - Revision to include ASN.1:1997
X0744C3E.ZIP	26KB	03/01	X0744C3 - Title not available.
X0745C3E.ZIP	28KB	02/00	X.745 Cor 3 - Test Management Function - revision to include ASN.1:1997 (Corrigendum 3)
X0746C2E.ZIP	28KB	02/00	X0746C2 - Title not available.
X0746E.ZIP	79KB	02/00	X.746 - Information technology - Open Systems Interconnection - Systems management: Scheduling function
X0750C1E.ZIP	25KB	02/00	X.750 Cor 1 - Revision to include ASN.1:1997
X0751C2E.ZIP	26KB	02/00	X.751 Cor 2 - Revision to include

			ASN.1:1997
X0754E.ZIP	314KB	02/00	X.754 - Enhanced Event Control Function
X0770E.ZIP	171KB	01/01	X0770 - Title not available.
X0780E.ZIP	175KB	01/01	X0780 - Title not available.
X0790C2E.ZIP	26KB	03/01	X0790C2 - Title not available.
X0841E.ZIP	106KB	10/00	X0841 - Information technology - Security techniques - Security information objects for access control
X0842E.ZIP	170KB	10/00	X0842 - Information technology - Security techniques - Guidelines on the use and management of Trusted Third Party Services
X0843E.ZIP	160KB	10/00	X0843 - Information technology - Security techniques - Specification of TTP Services to support the Application of Digital Signatures
X0904M1E.ZIP	570KB	03/00	X.904 Amd 1 - Computational formalization

Series Y - Global information infrastructure and Internet protocol aspects

File	Size	Date	Recommendation title
Y0120C1E.ZIP	58KB	11/00	Y0120C1 - Title not available.
Y1001E.ZIP	410KB	11/00	Y1001 - Title not available.
Y1231E.ZIP	225KB	11/00	Y1231 - Title not available.
Y1241E.ZIP	274KB	03/01	Y1241 - Title not available.
Y1301E.ZIP	77KB	10/00	Y1301 - Title not available.
Y1321E.ZIP	78KB	03/01	Y1321 - Title not available.

Series Z - Languages and general software aspects for telecommunication systems

File	Size	Date	Recommendation title
------	------	------	----------------------

Z0100NF1E.ZIP	136KB	11/00	Z0100NF1 - Formal description techniques (FDT) - Specification and Description Language (SDL)
Z0100NF3E.ZIP	475KB	11/00	Z0100NF3 - Formal description techniques (FDT) - Specification and Description Language (SDL)
Z0106E.ZIP	114KB	11/00	Z.106 - Common interchange format for SDL
Z0110E.ZIP	54KB	11/00	Z.110 - Criteria for use of formal description techniques by ITU-T
Z0120E.ZIP	495KB	11/99	Z.120 - Message sequence chart (MSC)
Z0120NBE.PDF	303KB	04/98	Z.120 Annex B - Formal semantics of message sequence charts
Z0200E.ZIP	337KB	11/99	Z.200 - CHILL - The ITU-T Programming Language
Z0600E.ZIP	258KB	11/00	Z0600 - Distributed processing environment architecture

ITU-T Software

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

G.191 (11/11/96)

This Recommendation includes 3 diskettes which contain the software tools library (STL-96) and the STL-96 Manual

G.722 Appendix II (05/03/87)

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

G.722.1 (30/09/99)

This Annex includes 1 CD-ROM containing the reference code and the test vectors for ITU-T G.722.1 algorithm implementation verification

G.723.1 An. A (11/11/96)

This Annex includes 3 diskettes which are common to Recommendation main body and to this annex and which contain test vectors and C reference code for implementation verification of the G.723.1 fixed point dual rate speech coder for multimedia communications

G.723.1 An. B (11/11/96)

This Annex includes 1 CD-ROM containing the reference code and the test vectors for implementation

verification of the G.723.1 floating point speech coder. The CD-ROM may be replaced on demand by 14 diskettes

G.723.1 An. C (11/11/96)

This Annex includes 1 diskette containing the reference code and the test vectors for implementation verification of the scalable channel coding scheme

G.726 App.II test vectors (21/03/91)

This document corresponds to G.726 Appendix II. It includes 2 diskettes containing respectively the A-Law and Mu-Law digital test sequences for the verification of the G.726 ADPCM codec implementations. The document reproduces the user guide published in the CCITT collective letter No. 11/XV (1991)

G.727 App.I test vectors (21/03/91)

This document corresponds to G.727 Appendix I. It includes 6 diskettes containing digital test sequences for the verification of the G.727 embedded ADPCM codec implementations. The document reproduces the user guide published in the CCITT collective letter No. 12/XV (1991)

G.728 Annex H (27/05/99)

This Annex includes 1 CD-ROM containing the test data for verification of G.728 Annex H low bit rate LD-CELP implementations

G.728 Annex J (30/09/99)

This Annex includes 1 CD-ROM containing the test vectors for verification of G.728 Annex J variable bit-rate LD-CELP implementations

G.728 App.I Software (01/07/95)

This document corresponds to G.728 Appendix I. It includes 4 diskettes containing programs and test sequences for verification of the floating point and fixed point implementations of the G.728 LD-CELP algorithm. The document reproduces the user guide published in the CCITT collective letter No. 17/XV (1992)

G.729 (20/03/96)

This Recommendation includes 3 diskettes containing source code and test sequences for implementation verification of the algorithm of the G.729 8 kbit/s CS-ACELP speech coder

G.729 Annex A (11/11/96)

This Annex includes 3 diskettes containing source code and test sequences for implementation verification of the algorithm of the G.729 reduced complexity 8 kbit/s CS-ACELP speech coder

G.729 Annex B (18/10/96)

This Annex includes 1 diskette containing source code and test sequences for implementation verification of the version 1.3 algorithm of the G.729 silence compression scheme

G.729 Annex C (25/09/98)

This Annex includes 1 diskette containing version 1.01 of reference C code for floating point implementation of the G.729 8 kbit/s CS-ACELP speech coder

G.729 Annex C+

G.729 Annex D (25/09/98)

This Annex includes 1 diskette containing version 1.2 of source C code for fixed point implementation of the G.729 6.4 kbit/s CS-ACELP speech coder

G.729 Annex E (25/09/98)

This Annex includes 2 diskettes containing version 1.2 of source C code and test vectors for fixed point implementation of the G.729 11.8 kbit/s CS-ACELP speech coder

G.729 Annex F

G.729 Annex G

G.729 Annex H

G.729 Annex I

G.763 (13/10/98)

This Recommendation includes two diskettes. The first one contains A-Law and Mu-Law test vectors for DCME verification. The second one contains example transmit/receive SDLs.

G.776.1 (23/10/98)

This Recommendation includes 1 diskette containing the information model of Signal Processing Network Elements (SPNE).

G.967.1 (06/98)

V-interfaces at the service node (SN): VB5.1 reference point specification

G.967.2

H.341

P.561 App.III (27/02/98)

This Appendix includes a CD-ROM containing digital speech recordings for INMD devices testing.

P.861 (27/02/98)

This Recommendation includes one diskette containing test vectors for implementation verification of the PSQM algorithm.

Q.784.2 (06/97)

ISUP basic call test specification: Abstract test suite for ISUP' 92 basic call control procedures.

Q.785.2

Q.921bis (03/93)

Abstract test suite for LAPD conformance testing – Part I: basic rate user side.

Q.933bis (10/95)

Abstract test suite for digital subscriber signalling system No. 1 (DSS 1) – Signalling specification for frame mode basic call control conformance testing for permanent virtual connections (PVCs) (Annex A to Recommendation Q.933).

Q.953.5

Q.1228

Interface Recommendation for intelligent network Capability Set 2.

T.83 (11/11/94)

This Recommendation includes 3 diskettes containing compliance test data for the generic encoder and decoder compliance tests.

T.87 (18/06/98)

This Recommendation includes one diskette containing the JPEG-LS Lossless and near-lossless image compression reference implementation and a conformance testing image set.

V.56 ter (16/08/96)

This Recommendation includes 2 diskettes containing the data files used for the voiceband duplex modems throughput tests.

X.633 Addendum1

Information technology - Open systems interconnection - Network Fast Byte protocol: SDL Specifications

X.634 Addendum 1

Information technology - Open systems interconnection - Network Fast Byte protocol: SDL Specifications