



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

X.28

Amendment 1
(03/2000)

SERIES X: DATA NETWORKS AND OPEN SYSTEM
COMMUNICATIONS

Public data networks – Interfaces

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

Amendment 1: Extensions of PAD parameter settings and PAD service signals

ITU-T Recommendation X.28 – Amendment 1

(Formerly CCITT Recommendation)

ITU-T X-SERIES RECOMMENDATIONS
DATA NETWORKS AND OPEN SYSTEM COMMUNICATIONS

PUBLIC DATA NETWORKS	
Services and facilities	X.1–X.19
Interfaces	X.20–X.49
Transmission, signalling and switching	X.50–X.89
Network aspects	X.90–X.149
Maintenance	X.150–X.179
Administrative arrangements	X.180–X.199
OPEN SYSTEMS INTERCONNECTION	
Model and notation	X.200–X.209
Service definitions	X.210–X.219
Connection-mode protocol specifications	X.220–X.229
Connectionless-mode protocol specifications	X.230–X.239
PICS proformas	X.240–X.259
Protocol Identification	X.260–X.269
Security Protocols	X.270–X.279
Layer Managed Objects	X.280–X.289
Conformance testing	X.290–X.299
INTERWORKING BETWEEN NETWORKS	
General	X.300–X.349
Satellite data transmission systems	X.350–X.369
IP-based networks	X.370–X.399
MESSAGE HANDLING SYSTEMS	
DIRECTORY	
OSI NETWORKING AND SYSTEM ASPECTS	
Networking	X.600–X.629
Efficiency	X.630–X.639
Quality of service	X.640–X.649
Naming, Addressing and Registration	X.650–X.679
Abstract Syntax Notation One (ASN.1)	X.680–X.699
OSI MANAGEMENT	
Systems Management framework and architecture	X.700–X.709
Management Communication Service and Protocol	X.710–X.719
Structure of Management Information	X.720–X.729
Management functions and ODMA functions	X.730–X.799
SECURITY	
OSI APPLICATIONS	
Commitment, Concurrency and Recovery	X.850–X.859
Transaction processing	X.860–X.879
Remote operations	X.880–X.899
OPEN DISTRIBUTED PROCESSING	
	X.900–X.999

For further details, please refer to the list of ITU-T Recommendations.

**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**

AMENDMENT 1

Extensions of PAD parameter settings and PAD service signals

Summary

This amendment to ITU-T Recommendation X.28 contains extensions to the PAD parameter settings in line with ITU-T Recommendation X.3 (2000). It also includes additional possible PAD service signals text in Chinese for extended dialogue mode.

Source

Amendment 1 to ITU-T Recommendation X.28 was prepared by ITU-T Study Group 7 (1997-2000) and approved under the WTSC Resolution 1 procedure on 31 March 2000.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSC Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

© ITU 2001

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from ITU.

ITU-T Recommendation X.28

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

AMENDMENT 1

Extensions of PAD parameter settings and PAD service signals

1) **Table 1**

Add a new row to Table 1/X.28:

Parameter reference number (Note 3)	Parameter description	Parameter setting for ITU-T standard profile (Note 2)	
		Transparent standard profile (Note 2)	Simple standard profile (Note 4)
30 (Note 6)	Selection of the default packet size	The default packet size is network dependent (value 0)	The default packet size is network dependent (value 0)

2) **Annex C**

Add the following to Annex C:

C.3 Possible PAD service signals text in Chinese for extended dialogue mode

1 Engaged: 占 (5328) 线 (4763) (3.5.11)

2 Free: 空 (3153) 闲 (4748) (3.5.11)

3 *Reset PAD service signal (Table 5)*

DTE: 数 (4293) 据 (3061) 可 (3141) 能 (3660) 丢 (2210) 失 (4207), (0312) 远 (5222) 端 (2243) 设 (4172) 备 (1724) 复 (2420) 位 (4627)。 (0314)

ERR: 本 (1730) 地 (2156) 规 (2570) 程 (1944) 错 (2077) 误 (4683), (0312) 数 (4293) 据 (3061) 可 (3141) 能 (3660) 丢 (2210) 失 (4207), (0312) 网 (4588) 络 (3471) 复 (2420) 位 (4627)。 (0314)

NC: 由 (5141) 于 (5158) 临 (3357) 时 (4217) 的 (2136) 网 (4588) 络 (3471) 故 (2542) 障 (5347), (0312) 数 (4293) 据 (3061) 可 (3141) 能 (3660) 丢 (2210) 失 (4207), (0312) 复 (2420) 位 (4627)。 (0314)

RPE: 远 (5222) 端 (2243) 规 (2570) 程 (1944) 错 (2077) 误 (4683), (0312) 数 (4293) 据 (3061) 可 (3141) 能 (3660) 丢 (2210) 失 (4207), (0312) 网 (4588) 络 (3471) 复 (2420) 位 (4627)。 (0314)

4 *Clear PAD service signal (Table 6)*

OCC: 占 (5328) 线 (4763), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

NC: 暂 (5261) 时 (4217) 的 (2136) 网 (4588) 络 (3471) 故 (2542) 障 (5347), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

INV: 无 (4662) 效 (4807) 的 (2136) 设 (4172) 施 (4209) 请 (3975) 求 (3983), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

NA: 接 (2951) 入 (4075) 号 (2637) 码 (3475) 受 (4260) 阻 (5572), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

ERR: 网 (4588) 络 (3471) 检 (2876) 测 (1866) 到 (2129) 本 (1730) 地 (2156) 规 (2570) 程 (1944) 错 (2077), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

RPE: 网 (4588) 络 (3471) 检 (2876) 测 (1866) 到 (2129) 远 (5222) 地 (2156) 规 (2570) 程 (1944) 错 (2077), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

NP: 未 (4620) 分 (2354) 配 (3768) 的 (2136) 号 (2637) 码 (3475), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

DER: 号 (2637) 码 (3475) 故 (2542) 障 (5347), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

PAD: 远 (5222) 端 (2243) 请 (3975) 求 (3983), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

5 *Clear confirmation PAD service signal (Table 7)*

CONF: 证 (5404) 实 (4221) 呼 (2684) 叫 (2948) 清 (3969) 除 (1993)。 (0314)

DTE: 可 (3141) 能。 (0314) (3660) 丢 (2210) 失 (4207) 数 (4293) 据 (3061), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

RNA: 拒 (3060) 绝 (3088) 反 (2320) 向 (4782) 计 (2838) 费 (2349), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

ID: 不 (1827) 兼 (2870) 容 (4061) 的 (2136) 目 (3631) 的 (2136) 地 (2156), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

SA: 呼 (2684) 叫 (2948) 无 (4662) 法 (2308) 建 (2908) 立 (3302), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

FNA: 拒 (3060) 绝 (3088) 快 (3176) 速 (4357) 选 (4901) 择 (5281), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

ROO: 无 (4662) 法 (2308) 按 (1620) 请 (3975) 求 (3983) 寻 (4916) 路 (3423), (0312) 拆 (1880) 除 (1993) 呼 (2684) 叫 (2948)。 (0314)

SERIES OF ITU-T RECOMMENDATIONS

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