



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

X.225

Amendment 2
(12/97)

**SERIES X: DATA NETWORKS AND OPEN SYSTEM
COMMUNICATION**

**Open System Interconnection – Connection-mode
protocol specifications**

**Information technology – Open Systems
Interconnection – Connection-oriented
session protocol: Protocol specification**

**Amendment 2: Nested connections
functional unit**

ITU-T Recommendation X.225 – Amendment 2

(Previously CCITT Recommendation)

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

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 SYSTEM 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.399

MESSAGE HANDLING SYSTEMS

X.400–X.499

DIRECTORY

X.500–X.599

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	X.800–X.849

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 ITU-T List of Recommendations.

INTERNATIONAL STANDARD 8327-1

ITU-T RECOMMENDATION X.225

INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION – CONNECTION-ORIENTED SESSION PROTOCOL: PROTOCOL SPECIFICATION

AMENDMENT 2

Nested connections functional unit

Summary

The session protocol specification defined in ITU-T Rec. X.225 | ISO/IEC 8327-1 is enhanced to support the establishment of additional, independent, nested session connections within an existing session connection. This enhancement will support the reusability of existing application layer standards (each making full, and possibly incompatible, use of the session synchronization services) as components of new application layer standards.

Source

The ITU-T Recommendation X.225, Amendment 2 was approved on the 12th of December 1997. The identical text is also published as ISO/IEC International Standard 8327-1, Amendment 2.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the ITU. The 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 their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 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

The ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. The 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, the 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 1998

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 the ITU.

CONTENTS

	<i>Page</i>
1) Subclause 2.1	1
2) Subclause 3.2	1
3) Subclause 5.6.10	1
4) New subclause 5.6.15.....	1
5) New subclause 5.8 <i>bis</i>	2
6) Subclause 6.1.4	2
7) New subclause 6.3.8.....	2
8) Subclause 6.5	3
9) Subclause 7.1	3
10) Subclause 7.1.1	3
11) Subclause 7.2.1	3
12) Subclause 7.3.1	3
13) Subclause 7.4.1	3
14) Subclause 7.5.1	3
15) Subclause 7.5.2	4
16) Subclause 7.5.3	4
17) Subclause 7.6.1	4
18) Subclause 7.7.1	4
19) Subclause 7.7.2	4
20) Subclause 7.7.3	5
21) Subclause 7.8.1	5
22) Subclause 7.9	5
23) Subclause 7.9.1.1	5
24) Subclause 7.9.1.2	5
25) Subclause 7.9.2	5
26) Subclause 7.9.3	6
27) Subclause 7.10	6
28) Subclause 7.11.1	6
29) Subclauses 7.12.1 and 7.12.2	6
30) Subclause 7.13.1	7
31) Subclause 7.14.1	7
32) Subclause 7.15.1	7
33) Subclause 7.16.1	7
34) Subclause 7.17.1	7
35) Subclause 7.18.1	7
36) Subclause 7.19.1	7
37) Subclause 7.20.1	7
38) Subclause 7.21.1	8
39) Subclause 7.22.1	8



	<i>Page</i>
40) Subclause 7.23.1	8
41) Subclause 7.24.1	8
42) Subclause 7.25.1	8
43) Subclause 7.26.1	8
44) Subclause 7.27	8
45) Subclause 7.27.1	8
46) Subclause 7.27.2	8
47) Subclause 7.28.1	9
48) Subclause 7.29.1	9
49) Subclause 7.30.1	9
50) Subclause 7.31.1	9
51) Subclause 7.32.1	9
52) Subclause 7.33.1	9
53) Subclause 7.34.1	9
54) Subclause 7.35.1	9
55) Subclause 7.36.1	10
56) Subclause 8.3.1.8	10
57) Subclause 8.3.1.16	10
58) New subclauses 8.3.1.19 <i>bis</i> and 8.3.1.19 <i>ter</i>	10
59) Subclauses 8.3.1 through 8.3.36.....	10
60) Subclause A.1.....	11
61) Subclause C.2.....	11
62) Subclause D.1.....	11