

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

X.511

Corrigendum 1
(05/2008)

SERIES X: DATA NETWORKS, OPEN SYSTEM
COMMUNICATIONS AND SECURITY

Directory

Information technology – Open Systems
Interconnection – The Directory: Abstract service
definition

Technical Corrigendum 1

Recommendation ITU-T X.511 (2005) – Technical
Corrigendum 1

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

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.379

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.889
Generic applications of ASN.1	X.890–X.899

OPEN DISTRIBUTED PROCESSING

X.900–X.999

TELECOMMUNICATION SECURITY

X.1000–

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

**INTERNATIONAL STANDARD ISO/IEC 9594-3
RECOMMENDATION ITU-T X.511**

**Information technology – Open Systems Interconnection –
The Directory: Abstract service definition**

Technical Corrigendum 1

Source

Corrigendum 1 to Recommendation ITU-T X.511 (2005) was approved on 29 May 2008 by ITU-T Study Group 17 (2005-2008) under the Recommendation ITU-T A.8 procedure. An identical text is also published as Technical Corrigendum 1 to ISO/IEC 9594-3.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). 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 Assembly (WTSA), 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 WTSA 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.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure e.g. interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

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, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <http://www.itu.int/ITU-T/ipr/>.

© ITU 2008

All rights reserved. No part of this publication may be reproduced, by any means whatsoever, without the prior written permission of ITU.

INTERNATIONAL STANDARD
RECOMMENDATION ITU-TInformation technology – Open Systems Interconnection –
The Directory: Abstract service definition

Technical Corrigendum 1

*(Covering resolution to defect reports 321, 323 and 324)***1) Correction of the defects reported in defect report 321**a) *In 8.1.1 and Annex A, change the data type **directoryBindError** as shown:*

```

directoryBindError ERROR ::= {
  PARAMETER      OPTIONALLY-PROTECTED {
    SET {
      versions      [0] Versions DEFAULT {v1},
      error          CHOICE {
        serviceError [1] ServiceProblem,
        securityError [2] SecurityProblem },
        securityParameters [30] SecurityParameters OPTIONAL } } }

```

b) *Add the following sentence at the end of the first paragraph of 8.1.4:*

If the Bind request was either using strong authentication or SPKM credentials are supplied, then the Bind responder may sign the error parameters.

c) *Add a new paragraph to the end of 8.1.4:*

The **SecurityParameters** components (see 7.10) shall be included if the error is to be signed.

2) Correction of the defects reported in defect report 323a) *In 7.3.1, change NOTE 2 in Table 1 as follows:*

NOTE 2 – Use of ~~encrypted or signed and encrypted security transformation or any protection~~ of ~~n~~ errors ~~or results~~ to Add Entry, Remove Entry, Modify Entry, Modify DN requires version 2 or higher of the protocol.

b) *In 8.1.1, 9.2.1, 9.3, 10.1.1, 10.2.1, 11.1.1, 11.2.1 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 12.8 and 12.9 delete in the first paragraph:*

, encrypted, or signed and encrypted

, encrypt, or sign and encrypt

c) *In 9.1.2 delete in the third paragraph:*

, encrypted, or signed and encrypted

d) *In 9.1.3, 9.2.2, 9.2.3, 10.1.2, 10.1.3, 10.2.2, 10.2.3, 11.1.2, 11.4.2 and 12.2 delete in the last paragraph:*

, encrypted, or signed and encrypted

e) *In 9.3 delete in the fourth to the last paragraph:*

, encrypted, or signed and encrypted

f) *In 11.1.3 and 11.4.3 delete:*

, encrypted, or signed and encrypted

g) *In 11.2.2 delete in the second paragraph:*

, encrypted, or signed and encrypted

h) *In 11.2.3 delete in the first paragraph:*

, encrypted, or signed and encrypted

i) *In 11.3.1 delete in the second paragraph (after the letter-numbered list):*

, encrypted, or signed and encrypted

, encrypt, or sign and encrypt

j) *In 11.3.2 delete in the second paragraph after the letter-numbered list:*

, encrypted, or signed and encrypted

k) *In 11.3.3 delete four times:*

, encrypted, or signed and encrypted

l) *In 11.4.1 delete in the third paragraph:*

, encrypted, or signed and encrypted

, encrypt, or sign and encrypt

m) *In 12.3, 12.4, 12.5, 12.7, 12.8 and 12.9 delete in the second to the last paragraph:*

, encrypted, or signed and encrypted

3) **Correction of the defects reported in defect report 324**

*In 7.3, add the following component to the **CommonArguments** data type:*

exclusions [22] **Exclusions OPTIONAL,**

Make the same change to Annex A.

SERIES OF ITU-T RECOMMENDATIONS

Series A	Organization of the work of ITU-T
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	Cable networks and 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	Telecommunication management, including TMN and network maintenance
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, open system communications and security
Series Y	Global information infrastructure, Internet protocol aspects and next-generation networks
Series Z	Languages and general software aspects for telecommunication systems