ITU-T

TELECOMMUNICATION STANDARDIZATION SECTOR OF ITU X.511

Corrigendum 3 (02/2011)

SERIES X: DATA NETWORKS, OPEN SYSTEM COMMUNICATIONS AND SECURITY Directory

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

**Technical Corrigendum 3** 

Recommendation ITU-T X.511 (2005) – Technical Corrigendum 3



## 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
INFORMATION AND NETWORK SECURITY	X.1000-X.1099
SECURE APPLICATIONS AND SERVICES	X.1100-X.1199
CYBERSPACE SECURITY	X.1200-X.1299
SECURE APPLICATIONS AND SERVICES	X.1300-X.1399
CYBERSECURITY INFORMATION EXCHANGE	X.1500-X.1598

 $For {\it further details, please refer to the list of ITU-T Recommendations}.$ 

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

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

## **Technical Corrigendum 3**

## History

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#### **FOREWORD**

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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.

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## CONTENTS

		Page
1)	Correction of the defects reported in defect report 336	1
2)	Correction of the defects reported in defect report 338	1
3)	Correction of the defects reported in defect report 340	2
4)	Correction of the defects reported in defect report 341	2
5)	Correction of the defects reported in defect report 345	2

#### INTERNATIONAL STANDARD

#### RECOMMENDATION ITU-T

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

### **Technical Corrigendum 3**

(covering resolution to defect reports 336, 338, 340, 341 and 345)

## 1) Correction of the defects reported in defect report 336

Add new items vii) to ix) to item 2) in 11.3.5:

- vii) Add permission for the attribute type and for each of the values in the replaceValues if the operation attempts to add the attribute type. If these permissions are not granted, the operation fails in accordance with 11.3.5.1, item g).
- viii) *Remove* permission for the attribute type in the replaceValues parameter if the operation attempts to remove the attribute. If this permission is not granted, the operation fails in accordance with 11.3.5.1, item b).
- ix) Remove permission for all the values currently in the attribute and Add permission for all values in the replaceValues if the operation attempts to replace the values.
  - If all the *Remove* permissions are not granted, the operation fails in accordance with 11.3.5.1, item d).
  - If all the *Remove* permissions are granted, but all the *Add* permissions are not granted, the operation fails in accordance with 11.3.5.1, item g).

Change items b) and d) in 11.3.5.1 as follows:

- b) If the operation fails as defined in 11.3.5 item 2), subitem ii) or subitem viii), the valid error returns are one of: if *DiscloseOnError* permission is granted to the attribute being removed and the attribute exists, a securityError with problem insufficientAccessRights or noInformation shall be returned; otherwise, an attributeError with problem noSuchAttributeOrValue shall be returned.
- d) If the operation fails as defined in 11.3.5 item 2), subitem iv) or subitem ix), first bullet, the valid error returns are one of: if *DiscloseOnError* permission is granted to any of the attribute values being removed, a securityError with problem insufficientAccessRights or noInformation shall be returned; otherwise, an attributeError with problem noSuchAttributeOrValue shall be returned.

Add a new item to the list:

g) If the operation fails as defined in 11.3.5 item 2), subitem vii) or subitem ix), second bullet, a securityError with problem insufficientAccessRights or noInformation shall be returned.

## 2) Correction of the defects reported in defect report 338

Delete 3.7.12.

In 10.1 and in Annex A, change in the PartialOutcomeQualifier:

from:

#### ISO/IEC 9594-3:2005/Cor.3:2011 (E)

Modify the seventh paragraph (i.e., the one immediately before the bullet list) in clause 10.1.3 as follows:

The partialOutcomeQualifier consists of eight nine-subcomponents as described below. This parameter shall be present whenever the result is incomplete because of a time limit, size limit, or administrative limit problem, because regions of the DIT were not explored, because some critical extensions were unavailable, because an unknown error was received, because paged results are being returned, an overspecified filter is to be indicated, or one or more notification attributes are to be returned, or the result of an operation is a streamed result and this response is not the last response of the result:

Delete item i) in the letter-numbered list of 10.1.3.

Delete NOTE 3 in 10.1.3.

## 3) Correction of the defects reported in defect report 340

In Table 1 of 7.3.1 of Rec. ITU-T X.511 | ISO/IEC 9594-3, clear the table rows for bit 21-24 and list the bits as reserved.

In 8.1.4, add to the securityError the values:

```
spkmError
```

 ${\tt unsupportedAuthenticationMethod}$ 

At the end of 8.1.4, add:

For details on serviceError and securityError, see 12.7 and 12.8.

In 12.7 and in Annex A, add to the SecurityProblem data type:

```
spkmError (9)}_
unsupportedAuthenticationMethod (10)}
```

Add a new item to the letter numbered list:

 j) unsupportedAuthenticationMethod – The authentication method suggested is not supported by the DSA.

## 4) Correction of the defects reported in defect report 341

In Annex A, add to the ServiceControlOptions at the end to make it consistent with 7.5:

```
dontMatchFriends (13)}_
allowWriteableCopy (14)}
```

### 5) Correction of the defects reported in defect report 345

In 8.2, change 9.3.2 of ITU-T Rec. X.519 | ISO/IEC 9594-5 to 9.2.2 of ITU-T Rec. X.519 | ISO/IEC 9594-5.

## 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	Terminals and subjective and objective assessment methods
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