



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

X.745

Corrigendum 3

(02/2000)

SERIES X: DATA NETWORKS AND OPEN SYSTEM
COMMUNICATIONS

OSI management – Management functions and ODMA
functions

Information technology – Open Systems
Interconnection – Systems management:
Test management function

Technical Corrigendum 3

ITU-T Recommendation X.745 – Corrigendum 3

(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	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 the list of ITU-T Recommendations.

**INTERNATIONAL STANDARD ISO/IEC 10164-12
ITU-T RECOMMENDATION X.745**

**INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION –
SYSTEMS MANAGEMENT: TEST MANAGEMENT FUNCTION**

TECHNICAL CORRIGENDUM 3

Summary

This Recommendation | International Standard (1993) specifies a model and managed objects for the invocation of tests on remote resources. Tests may be controlled and subject to monitoring, suspension and resumption during application or uncontrolled and where results are returned until complete.

This Technical Corrigendum 3 revises the text to include ASN.1:1997 in 2.1 and 2.2.

Source

Corrigendum 3 to ITU-T Recommendation X.745 was prepared by ITU-T Study Group 4 (1997-2000) and approved on 4 February 2000. An identical text is also published as Technical Corrigendum 3 to ISO/IEC 10164-12.

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.

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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.

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CONTENTS

	<i>Page</i>
1) Subclause 2.1	1
2) Subclause 2.2	1
3) Subclause 13.1.1.....	1
4) Subclause 13.2.1.....	1
5) Subclause A.7.....	2
6) Subclause A.7.1.....	2

INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION –
SYSTEMS MANAGEMENT: TEST MANAGEMENT FUNCTION

TECHNICAL CORRIGENDUM 3

1) Subclause 2.1

Insert the following references alphanumerically:

- ITU-T Recommendation X.680 (1997) | ISO/IEC 8824-1:1998, *Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation.*
- ITU-T Recommendation X.681 (1994) | ISO/IEC 8824-2:1995, *Information technology – Abstract Syntax Notation One (ASN.1): Information object specification.*
- ITU-T Recommendation X.682 (1997) | ISO/IEC 8824-3:1998, *Information technology – Abstract Syntax Notation One (ASN.1): Constraint specification.*
- ITU-T Recommendation X.690 (1997) | ISO/IEC 8825-1:1998, *Information technology – ASN.1 encoding rules: Specification of Basic encoding rules (BER), Canonical Encoding Rules (CER) and Distinguished encoding rules (DER).*
- ITU-T Recommendation X.710 (1997) | ISO/IEC 9595:1998, *Information technology – Open Systems Interconnection – Common management information service.*

2) Subclause 2.2

Remove the following paired references:

- CCITT Recommendation X.208 (1988), *Specification of Abstract Syntax Notation One (ASN.1).*
ISO/IEC 8824:1990, *Information technology – Open Systems Interconnection – Specification of Abstract Syntax Notation One (ASN.1).*
- CCITT Recommendation X.209 (1988), *Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1).*
ISO/IEC 8825:1990, *Information technology – Open Systems Interconnection – Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1).*
- CCITT Recommendation X.710 (1991), *Common management information service definition for CCITT applications.*
ISO/IEC 9595:1991, *Information technology – Open Systems Interconnection – Common management information service definition.*

3) Subclause 13.1.1

Replace "CCITT Rec. X.209 | ISO/IEC 8825" with "ITU-T Rec. X.690 | ISO/IEC 8825-1".

4) Subclause 13.2.1

Replace "CCITT Rec. X.209 | ISO/IEC 8825" with "ITU-T Rec. X.690 | ISO/IEC 8825-1".

5) **Subclause A.7**

a) *Remove the following IMPORTS statement:*

-- NOTE – This Recommendation / International Standard imports DistinguishedName from
-- CCITT Rec. X.501 (1988) / ISO/IEC 9594-2:1990. The specification for this syntax can now be
-- found in an informative annex of ITU-T Rec. X.711 (1997) / ISO/IEC 9596-1:1998.

```
DistinguishedName
FROM InformationFramework
{ joint-iso-ccitt ds(5) modules(1) informationFramework(1) }
```

```
CMISFilter, Attribute, AttributeId, ObjectInstance, Scope
FROM CMIP-1
{ joint-iso-ccitt ms(9) cmip(1) version1(1) protocol(3) }
```

b) *In the IMPORTS FROM CMIP-1, insert the following before ObjectInstance:*

```
"DistinguishedName,"
```

c) *In the IMPORTS FROM Attribute-ASN1Module, insert the following before StopTime:*

```
"DMI-TYPE-IDENTIFIER,"
```

6) **Subclause A.7.1**

Replace the production for AssociatedObjects with the following ASN.1 production:

```
"TMF-OBJECT ::= DMI-TYPE-IDENTIFIER

AssociatedObjects ::= SET OF SEQUENCE {
    associatedObject      ObjectInstance,
    associatedObjectInfo  SEQUENCE {
        associatedObjectInfoId  TMF-OBJECT.&id ({AssociatedObjectSet}),
        associatedObjectInform  TMF-OBJECT.&Value ({AssociatedObjectSet}
        {@.associatedObjectInfoId})
    }
OPTIONAL }
}

AssociatedObjectSet TMF-OBJECT ::= {...}
"
```


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