



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

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

**Technical Corrigendum 3**

ITU-T Recommendation X.745 – Corrigendum 3

(Formerly CCITT Recommendation)

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**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.

## INTELLECTUAL PROPERTY RIGHTS

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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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## 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

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Series N	Maintenance: international sound programme and television transmission circuits
Series O	Specifications of measuring equipment
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