INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

X.741
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: Objects and attributes for access control

Technical Corrigendum 3

ITU-T Recommendation X.741 – Corrigendum 3

(Formerly CCITT Recommendation)

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INTERNATIONAL STANDARD 10164-9
ITU-T RECOMMENDATION X.741

INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION – SYSTEMS MANAGEMENT: OBJECTS AND ATTRIBUTES FOR ACCESS CONTROL

TECHNICAL CORRIGENDUM 3

Summary

This Recommendation | International Standard (1995) specifies an Access Control Security Model and the management information necessary for creating and administering access control associated with OSI Systems Management.

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.741 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 10164-9.

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

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, 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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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 (1997) | ISO/IEC 8824-2:1998, *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.*

– ITU-T Recommendation X.711 (1997) | ISO/IEC 9596-1:1998, *Information technology – Open Systems Interconnection – Common management information protocol: Specification.*

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.*

– CCITT Recommendation X.711 (1991), *Common management information protocol specification for CCITT applications.*

ISO/IEC 9596-1:1991, *Information technology – Open Systems Interconnection – Common management information protocol – Part 1: Specification.*

3) Subclause 13.1

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

4)   Subclause A.6

a)   *In the* **IMPORTS FROM CMIP-1**, *insert the following before* **ObjectClass***:*

"DistinguishedName,"

b)   *Remove the following* **IMPORTS** *statement:*

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

c)   *In the* **IMPORTS FROM Attribute-ASN1Module**, *insert the following before* **DiscriminatorConstruct***:*
"DMI-TYPE-IDENTIFIER,"

d)   *Replace the production for* **Proxy** *with the following ASN.1 production:*

"AC-PROXY ::= DMI-TYPE-IDENTIFIER"

Proxy ::= SEQUENCE {
      proxyId   [0] IMPLICIT AC-PROXY.&id ({ProxySet}),
      proxyValue   [1] AC-PROXY.&Value ({ProxySet} {@.proxyId}) }
ProxySet AC-PROXY ::= {...}
"

e)   *Replace the production for* **AuthenticationContext** *with the following ASN.1 production:*

"AC-AUTH-CONTEXT ::= DMI-TYPE-IDENTIFIER

AuthenticationContext ::= SEQUENCE {
      authenticationPolicyId   [0] IMPLICIT AC-AUTH-CONTEXT.&id ({AuthenticationContextSet}),
      requirements   [1] AC-AUTH-CONTEXT.&Value ({AuthenticationContextSet}
                                                            {@.authenticationPolicyId}) }
AuthenticationContextSet AC-AUTH-CONTEXT ::= {...}
"

f)   *Replace the production for* **CapabilityIdentitiesList** *with the following ASN.1 production:*

AC-CAP-IDENTITY ::= DMI-TYPE-IDENTIFIER

CapabilityIdentitiesList ::= SET OF CHOICE {
      knownForm   [0] SEQUENCE {
            initiatorName   InitiatorName,
            sdaList   SdaList OPTIONAL },
      unknownForm   [1] SEQUENCE {
            identifier   AC-CAP-IDENTITY.&id ({CapabilityIdentitiesSet}),
            value   AC-CAP-IDENTITY.&Value ({CapabilityIdentitiesSet} {@.identifier})}
      }

CapabilityIdentitiesSet AC-CAP-IDENTITY ::= {...}
"

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