INTERNATIONAL TELECOMMUNICATION UNION

ITU-T X.690

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Corrigendum 2
(02/2001)

SERIES X: DATA NETWORKS AND OPEN SYSTEM COMMUNICATIONS

OSI networking and system aspects – Abstract Syntax Notation One (ASN.1)

Corrigendum 2:

CAUTION !

PREPUBLISHED RECOMMENDATION

This prepublication is an unedited version of a recently approved Recommendation. It will be replaced by the published version after editing. Therefore, there will be differences between this prepublication and the published version.

FOREWORD

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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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Summary

This technical corrigendum to Rec. X.690 | ISO/IEC 8825-1:

a) clarifies the encoding of REAL when the base of the abstract value is 10.

b) corrects an editorial oversight, and

c) clarifies the encoding of bitstring values that have no 1 bits and whose type has a named bit list.

INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

INFORMATION TECHNOLOGY – ASN.1 ENCODING RULES: SPECIFICATION OF BASIC ENCODING RULES (BER), CANONICAL ENCODING RULES (CER) AND DISTINGUISHED ENCODING RULES (DER)

DRAFT TECHNICAL CORRIGENDUM 2

1) New subclause 8.5.2bis

Create a new subclause as follows:

8.5.2bis For a non-zero real value, if the base of the abstract value is 10, then the base of the encoded value shall be 10, and if the base of the abstract value is 2 the base of the encoded value shall be 2, 8 or 16 as a sender's option.

2) Subclause 8.5.3

Change subclause 8.5.3 as follows:

8.5.3 If the real value is non-zero, then the base used for the encoding shall be B' as specified in 8.5.2bis. If B' is 2, 8 or 16, a binary encoding, specified in 8.5.5, shall be used. If B' is 10, a character encoding, specified in 8.5.6, shall be used.

Delete the Note on subclause 8.5.3.

3) Subclause 8.6.2.4

Change the NOTE in subclause 8.6.2.4 to:

NOTE - If a bitstring value has no 1 bits, then an encoder (as a sender's option) may encode the value with a length of 1 and with an initial octet set to 0 or may encode it as a bit string with one or more 0 bits following the initial octet.

4) Subclause 11

In subclause 11 change:

(See 8.16.1 and 8.18.1)

to:

(See 8.16.1, 8.17.1, 8.18.1 and 8.21.1)