

TELECOMMUNICATION STANDARDIZATION SECTOR OF ITU

Corrigendum 1 X.680 (11/95)

DATA NETWORKS AND OPEN SYSTEM COMMUNICATIONS

OSI NETWORKING AND SYSTEM ASPECTS – ABSTRACT SYNTAX NOTATION ONE (ASN.1)

INFORMATION TECHNOLOGY – ABSTRACT SYNTAX NOTATION ONE (ASN.1): SPECIFICATION OF BASIC NOTATION

**TECHNICAL CORRIGENDUM 1** 

Corrigendum 1 to
ITU-T Recommendation X.680
Superseded by a more recent version

(Previously "CCITT Recommendation")

### **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. The text of ITU-T Recommendation X.680, Corrigendum 1, was approved on 21st of November 1995. The identical text is also published as ISO/IEC International Standard 8824-1.

#### **NOTE**

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized private operating agency.

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## ITU-T X-SERIES RECOMMENDATIONS

# DATA NETWORKS AND OPEN SYSTEM COMMUNICATIONS

(February 1994)

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# **Summary**

This technical corrigendum to Rec.  $X.680 \mid ISO/IEC~8824-1$  describes, through an example, how the ASN.1 types BMPString or UniversalString can be restricted to exclude all control functions by use of the subtype notation. It is based on the disposition of defect Report 8824-1/031. It also corrects editorial errors having to do with "COMPONENTS OF" in Rec.  $X.680/Amd.1 \mid ISO/IEC~8824-1/Amd.1$ .

#### INTERNATIONAL STANDARD

#### ITU-T RECOMMENDATION

# INFORMATION TECHNOLOGY – ABSTRACT SYNTAX NOTATION ONE (ASN.1): SPECIFICATION OF BASIC NOTATION

### TECHNICAL CORRIGENDUM 1

### 1) Subclause G.2.6 of Rec. X.680 | ISO/IEC 8824-1

*Insert a new subclause G.2.6 as shown below:* 

**G.2.6** A BMPString or UniversalString can be restricted to exclude all control functions by use of the subtype notation as follows:

VanillaBMPString ::= BMPString(FROM (ALL EXCEPT ({0,0,0,0}...{0,0,0,31} | {0,0,0,128}...{0,0,0,159})))

or equivalently:

VanillaBMPString ::= BMPString (FROM (ALL EXCEPT (C0 | C1)))

### 2) Subclause 11 of Rec. X.680/Amd.1 | ISO/IEC 8824-1/Amd.1 (Page 5)

Starting at line 11, change from:

{Replace the first sentence of 22.4 with the following:}

"Type" in the "COMPONENTS OF Type" notation shall be a sequence type that itself contains no extension marker, but it may include components that do.

to:

"Type" in the "COMPONENTS OF Type" notation shall be a sequence type. If "Type" in the "COMPONENTS OF Type" contains an extension marker, the extension marker is not visible to the "COMPONENTS OF Type". Thus, for the purposes of the "COMPONENTS OF Type", the "Type" is treated as though it was not defined with an extension marker.

Starting at line 12, change from:

{Replace the first sentence of 24.2 with the following:}

If a "Type" contains an extension marker and that "Type" is used as the "Type" in a "COMPONENTS OF Type", the extension marker is not visible to the "COMPONENTS OF Type". Thus, for the purposes of the "COMPONENTS OF Type" the "Type" is treated as though it was not defined with an extension marker.

to:

"Type" in the fourth alternative of the "ComponentType" (see 22.1) shall be a set type. If "Type" in the "COMPONENTS OF Type" contains an extension marker, the extension marker is not visible to the "COMPONENTS OF Type". Thus, for the purposes of the "COMPONENTS OF Type" the "Type" is treated as though it was not defined with an extension marker.

## Superseded by a more recent version ISO/IEC 8824-1: 1995/Cor.1: 1996 (E)

Starting at line 30, change from:

{Modify clause 24.4 to say:}

**24.4** Subclauses 22.2, 22.2 *bis* and 22.6-22.10 also apply to set types.

to:

**24.4** Subclauses 22.2, 22.3, 22.4 *bis* and 22.6-22.10 also apply to set types.