International Telecommunication Union

# ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

# X.690

**Corrigendum 1**

(05/2007)

SERIES X: DATA NETWORKS, OPEN SYSTEM COMMUNICATIONS AND SECURITY

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

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## Information technology – ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)

## Technical Corrigendum 1

ITU-T Recommendation X.690 (2002) – Technical Corrigendum 1

ITU-T

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**INTERNATIONAL STANDARD ISO/IEC 8825-1**
**ITU-T RECOMMENDATION X.690**

# Information technology – ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)

## Technical Corrigendum 1


**Summary**

Technical Corrigendum 1 to ITU-T Recommendation X.690 | ISO/IEC 8825-1 clarifies the text defining the CER encoding of the last fragment of a bitstring, octetstring or restricted character string.



**Source**

Corrigendum 1 to ITU-T Recommendation X.690 (2002) was approved on 29 May 2007 by ITU-T Study Group 17 (2005-2008) under the ITU-T Recommendation A.8 procedure. An identical text is also published as Technical Corrigendum 1 to ISO/IEC 8825-1.

## FOREWORD

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The World Telecommunication Standardization Assembly (WTSA), 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 WTSA 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.

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**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)

## Technical Corrigendum 1

*Conventions used in this corrigendum: Original, unchanged, text is in* normal font. *Deleted text is struck-through, thus:* ~~deleted text~~. *Inserted text is underlined, thus:* inserted text.

## Subclause 9.2

*Replace subclause 9.2 with the following*:

### 9.2 String encoding forms

Bitstring, octetstring and restricted character string values shall be encoded with a primitive encoding if they would require no more than 1000 contents octets, and as a constructed encoding otherwise. The string fragments contained in the constructed encoding shall be encoded with a primitive encoding. The encoding of each fragment, except possibly the last, shall have 1000 contents octets. (Contrast with 8.21.6.) The last fragment shall have at least one, and no more than 1000, contents octets.

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