



**INTERNATIONAL STANDARD ISO/IEC 8825-1:1998  
TECHNICAL CORRIGENDUM 2**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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

## TECHNICAL CORRIGENDUM 2

*Technologies de l'information — Règles de codage ASN.1: Spécification des règles de codage de base, des règles de codage canoniques et des règles de codage distinctives*

RECTIFICATIF TECHNIQUE 2

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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)**

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**1) New subclause 8.5.2 *bis***

*Create a new subclause as follows:*

**8.5.2 *bis*** 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 iTeh STANDARD PREVIEW  
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*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 8.5.2 *bis*. 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) Clause 11**

*In clause 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.)