



**INTERNATIONAL STANDARD ISO/IEC 8824-1:2015**  
**TECHNICAL CORRIGENDUM 3**

Published 2018-10

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION  
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## **Information technology — Abstract Syntax Notation One (ASN.1): Specification of basic notation**

Part 1:

TECHNICAL CORRIGENDUM 3

*Technologies de l'information — Notation de syntaxe abstraite numéro un (ASN.1): Spécification de la notation de base*

*Partie 1:*

*RECTIFICATIF TECHNIQUE 3*

Technical Corrigendum 1 to ISO/IEC 8824-1:2015 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems*, in collaboration with ITU-T. The identical text is published as Rec. ITU-T X.680 (2015)/Cor.3 (05/2018).

**Information technology – Abstract Syntax Notation One (ASN.1):  
Specification of basic notation**

**Technical Corrigendum 3**

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.

**1 Clause 3.8.13**

Delete the note.

**2 Clause 11.8**

Replace clause 11.8 with the following:

**11.8** The NON-BREAKING HYPHEN and the HYPHEN-MINUS should be treated as identical in all names (including reserved words).

NOTE – A name such as My-Type is the same name whether it contains a HYPHEN-MINUS or a NON-BREAKING HYPHEN.

**3 Clause 12.1.2**

Replace clause 12.1.2 with:

**12.1.2** The lexical items specified in the subclauses of this clause 12 (except multiple-line "comment", "bstring", xmlbitstring, "hstring", xmlhstring, and cstring, xmlcstring and simplestring) shall not contain white-space (see 12.6, 12.10, 12.11, 12.12, 12.13 and 12.14, 12.15 and 12.16). A single-line "comment" shall not contain "new-line" characters. The "non-integerUnicodeLabel" lexical item may include the NON-BREAKING-SPACE character.

**4 Clause 12.9**

Replace clause 12.9 with:

**12.9 Real numbers**

Name of lexical item – realnumber

A "realnumber" shall consist of an integer part that is a series of one or more digits, and optionally a decimal point (.). The decimal point can optionally be followed by a fractional part which is one or more digits. The integer part, decimal point or fractional part (whichever is last present) can optionally be followed by an e or E and an optionally-signed exponent which is one or more digits. The leading digit of the "realnumber" shall not be zero unless it is either the only digit or is immediately followed by a decimal point followed by a fractional part of which at least one digit is not zero. ~~The leading digit of the exponent shall not be zero unless the exponent is a single digit.~~

A "number" is also a valid instance of "realnumber". In analyzing an instance of use of this notation, a "realnumber" is distinguished from a "number" by the context in which it appears.