INTERNATIONAL STANDARD ISO/IEC 8824-2:1998

TECHNICAL CORRIGENDUM 1

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Information technology — Abstract Syntax Notation One (ASN.1): Information object specification

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Notation de syntaxe abstraite numéro un (ASN.1): Spécification des objets informationnels

RECTIFICATIF TECHNIQUE 1

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ITU-T RECOMMENDATION

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

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1)   New subclause 3.4.16 *bis*

Create a new subclause as follows:

3.4.16 *bis*   recursive definition (of an information object class): A set of ASN.1 definitions which cannot be reordered so that all information object classes used in a construction are defined before the definition of the construction.

> NOTE – Recursive definitions of information object classes are allowed in ASN.1. Recursive definitions of information objects and information object sets are not allowed.

2)   Subclause 8.3

Replace the two occurrences of "Usefulobjectclassreference" *with* "UsefulObjectClassReference".

3)   Subclause 9.16

In the first sentence, replace:

> as an example in 3.49

by:

> as an example in 3.4.9

4)   Subclause 10.6

Add the following below the "REAL" in 10.6:

> **RELATIVE-OID**

5)   Subclause 10.13

In the definition of the class OPERATION, *replace:*

> **&ArgumentTypeOPTIONAL**

by:

> **&ArgumentType   OPTIONAL**

6)   Subclause 11.9

In the definition of the object invertMatrix, *replace:*

&ArgumentTypeMatrix

by:

&ArgumentType   Matrix

7)   Subclause 12.2

Change the production for "ObjectSetSpec" to:

ObjectSetSpec ::=
    RootElementSetSpec |
    RootElementSetSpec "," "..." |
    "..." |
    "..." "," AdditionalElementSetSpec |
    RootElementSetSpec "," "..." "," AdditionalElementSetSpec

Also in 12.2, replace the paragraph that starts with "ElementSetSpecs is specified in ITU-T Rec. X.680 | ..." with the following:

"RootElementSetSpec" and "AdditionalElementSetSpec" are specified in ITU-T Rec. X.680 | ISO/IEC 8824-1 and enable an information object set to be specified in terms of information objects or sets thereof of the governing class. There shall be at least one information object in the set unless the third alternative ("…") of "ObjectSetSpec" is specified. In the latter case, the presence of the ellipsis is an indication that the object set is initially empty but will have objects dynamically added to it by the application program.

NOTE 1 – The elements that are referenced by "ObjectSetSpec" are the union of the elements referenced by the "RootElementSetSpec" and "AdditionalElementSetSpec".

Also in 12.2, change the existing "NOTE" to "NOTE 2".

8)   New subclause 12.2 *bis*

Create a new subclause as follows:

12.2 *bis*   The result of set arithmetic involving object sets that are extensible is specified in clause 46 of ITU-T Rec. X.680 | ISO/IEC 8824-1.

9)   Subclause 13.5

Replace:

as defined in 10.3

by:

as defined in 10.13

10)   Subclause 14.9

Replace:

Each of the following examples is based on the example in 10.3

by:

Each of the following examples is based on the example in 10.13