



INTERNATIONAL STANDARD ISO/IEC 8824-4:2008
TECHNICAL CORRIGENDUM 1

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Information technology — Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 specifications

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Notation de syntaxe abstraite numéro un (ASN.1): Paramétrage des spécifications de la notation de syntaxe abstraite numéro un

RECTIFICATIF TECHNIQUE 1

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INTERNATIONAL STANDARD
RECOMMENDATION ITU-TInformation technology – Abstract Syntax Notation One (ASN.1):
Parameterization of ASN.1 specifications

Technical Corrigendum 1

Conventions used in this corrigendum: Original, unchanged text is in normal font; deleted text is struck through e.g., ~~deleted text~~, and inserted text is underlined e.g., inserted text.

1) Clause 8.4

Modify the first paragraph as follows:

The scope of a "DummyReference" appearing in a "ParameterList" is the "ParameterList" itself, together with that part of the "ParameterizedAssignment" which follows the "ParameterList" ~~":="~~. The "DummyReference" hides any other "Reference" with the same name in that scope in any given instantiation.

2) Clause A.2

Modify the example as follows:

Example

-- An instance of this class contains all the parameters for the abstract
-- syntax, Message-PDU.

```
MESSAGE-PARAMETERS ::= CLASS {
    &maximum-priority-level          INTEGER,
    &maximum-message-buffer-size    INTEGER,
    &maximum-reference-buffer-size  INTEGER
}
WITH SYNTAX {
    THE MAXIMUM PRIORITY LEVEL IS      &maximum-priority-level
    THE MAXIMUM MESSAGE BUFFER SIZE IS &maximum-message-buffer-size
    THE MAXIMUM REFERENCE BUFFER SIZE IS &maximum-reference-buffer-size
}

-- The "ValueFromObject" production is used to extract values
-- from the abstract syntax parameter, "param". The values can be
-- used only in constraints. In addition the parameter is passed
-- through to another parameterized type.
```

```
Message-PDU { MESSAGE-PARAMETERS : param } ::= SEQUENCE {
    priority-level INTEGER (0..param.&maximum-priority-level),
    message      BMPString (SIZE (0..param.&maximum-message-buffer-size)),
    reference    Reference { param }
}
Reference { MESSAGE-PARAMETERS : param } ::=
    SEQUENCE OF IA5String (SIZE (0..param.&maximum-reference-buffer-size))
-- Definition of a parameterized abstract syntax information object.
-- The abstract syntax parameter is used only in constraints.
message-Abstract-Syntax { MESSAGE-PARAMETERS : param }
ABSTRACT-SYNTAX ::=
{
    Message-PDU { param }
    IDENTIFIED BY { joint-iso-itu-t ecitt asn1(1) examples(999123) 0 }
}
```

The class MESSAGE-PARAMETERS and the parameterized abstract syntax object, message-Abstract-Syntax, are used as follows:

-- This instance of MESSAGE-PARAMETERS defines parameter values
-- for the abstract syntax.

```
my-message-parameters MESSAGE-PARAMETERS ::= {
    THE MAXIMUM PRIORITY LEVEL IS 10
```