



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
```