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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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RECOMMENDATION ITU-T

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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~~ccitt asn1(1)~~ examples(999~~123~~) 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
```