Information technology — ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)

TECHNICAL CORRIGENDUM 3

Technologies de l'information — Règles de codage ASN.1: Spécification des règles de codage compact (PER)

RECTIFICATIF TECHNIQUE 3

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INTERNATIONAL STANDARD
ITU-T RECOMMENDATION

INFORMATION TECHNOLOGY – ASN.1 ENCODING RULES: SPECIFICATION OF PACKED ENCODING RULES (PER)

TECHNICAL CORRIGENDUM 3

1)   Subclause 3.7.8

Relabel the current Note in 3.7.8 as "Note 1".

Add a new Note to 3.7.8 as follows:

> NOTE 2 – The effective SizeConstraint is used only to determine the encoding of lengths (and not to determine the set of abstract values).

2)   Subclause 3.7.9

Relabel the current Note in 3.7.9 as "Note 1".

Add a new Note to 3.7.9 as follows:

> NOTE 2 – The effective PermittedAlphabet constraint is used only to determine the encoding of characters (and not to describe the set of abstract values).

3)   Subclause 3.7.11

Add a Note to 3.7.11 as follows:

> NOTE – In 9.6, the extensibility bit will be set to 1 if the value to be encoded is not in the extension root of the constructed or constrained type as it is defined in the ASN.1 specification, without considering the possible effective constraints associated to the type.

4)   Subclause 9.3.9

Replace 9.3.9 with the following:

9.3.9   PermittedAlphabet constraints on known-multiplier character string types, which are not extensible after application of 47.3 to 47.5 of ITU-T Rec. X.680 | ISO/IEC 8824-1, are PER-visible.

5)   New subclause 9.3.13 *bis*

Add a new subclause 9.3.13 bis as follows:

9.3.13 *bis*   If a subtype constraint is made of a serial application of constraints, the constraints which are not PER-visible, if any, are simply ignored.

> NOTE – For example:

> **A ::= IA5String(SIZE(1..4))(FROM("ABCD",…))**

> has an effective PermittedAlphabet constraint that consists of the entire IA5String alphabet since the extensible PermittedAlphabet constraint is not PER-visible. It has nevertheless an effective SizeConstraint which is SIZE(1..4).

> Similarly,

> **B ::= IA5String(A)**

> has the same effective SizeConstraint and the same effective PermittedAlphabet constraint.