INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

X.691
Corrigendum 1
(05/2005)

SERIES X: DATA NETWORKS, OPEN SYSTEM COMMUNICATIONS AND SECURITY

OSI networking and system aspects – Abstract Syntax Notation One (ASN.1)

Information technology – ASN.1 encoding rules: Specification of packed encoding rules (PER)
Technical Corrigendum 1:

CAUTION !
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INTERNATIONAL STANDARD 8825-2

ITU-T RECOMMENDATION X.691

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

TECHNICAL CORRIGENDUM 1

Summary

This technical corrigendum to ITU-T Rec. X.691 | ISO/IEC 8825-2 clarifies how the "useful types" are to be encoded in PER.

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Conventions used in this corrigendum: Original, unchanged, text is in normal font*. Deleted text is struck-through, thus:* ~~deleted text~~*. Inserted text is underlined, thus:* <u>inserted text</u>.

1)   Subclause 10.1.4

Add the following note to 10.1.4 (retaining the existing note as NOTE 1):

<u>NOTE 2 – Zero-length octet-aligned bit-fields can never be present in the field-list (see 10.9.3.3).</u>

2)   Subclause 27.5.7

Replace 27.5.7 with the following:

27.5.7   If "aub" does not equal "alb" or is greater than or equal to 64K, then 10.9 shall be invoked to add <u>the bit-field preceded by</u> a length determinant with "n" as a count of the characters in the character string with a lower bound for the length determinant of "alb" and an upper bound of "aub". The bit-field shall ~~then~~ be added as a field (octet-aligned in the ALIGNED variant) if "aub" times "b" is greater than or equal to 16, but shall otherwise be added as a bit-field that is not octet-aligned. This completes the procedures of this subclause.

3)   Subclause 27.6.3

Replace 27.6.3 with the following:

27.6.3   Subclause 10.9 shall be invoked to add ~~an unconstrained length determinant with "n" as a count in octets and~~ the field of "n" octets ~~shall be added~~ as a bit-field (octet-aligned in the ALIGNED variant), <u>preceded by an unconstrained length determinant with "n" as a count in octets,</u> completing the procedures of this subclause.