

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

X.696

Corrigendum 2
(10/2017)

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 Octet Encoding Rules (OER)

Technical Corrigendum 2

Recommendation ITU-T X.696 (2015) – Technical
Corrigendum 2

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**Information technology – ASN.1 encoding rules:
Specification of Octet Encoding Rules (OER)**

Technical Corrigendum 2

Summary

This technical corrigendum to Rec. ITU-T X.696 | ISO/IEC 8825-7 eliminates nested OER visible inner type constraints.

History

| Edition | Recommendation | Approval | Study Group | Unique ID* |
|---------|---------------------------|------------|-------------|---|
| 1.0 | ITU-T X.696 | 2014-08-29 | 17 | 11.1002/1000/12151 |
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| 2.1 | ITU-T X.696 (2015) Cor. 1 | 2017-05-14 | 17 | 11.1002/1000/13258 |
| 2.2 | ITU-T X.696 (2015) Cor. 2 | 2017-10-14 | 17 | 11.1002/1000/13364 |

* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

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In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

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INTERNATIONAL STANDARD
ITU-T RECOMMENDATION

Information technology – ASN.1 encoding rules:
Specification of Octet Encoding Rules (OER)

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: inserted text.

1 Clause 8.2.1

Replace clause 8.2.1 with the following:

8.2.1 In general, the constraint on a type will consist of individual constraints combined using some or all of set arithmetic, contained subtype constraints, and serial application of constraints.

The following constraints are OER-visible:

- a) non-extensible single value constraints and value range constraints on integer types;
- b) non-extensible single value constraints on real types where the single value is either plus zero or minus zero or one of the special real values **PLUS-INFINITY**, **MINUS-INFINITY** and **NOT-A-NUMBER**;
- c) non-extensible size constraints on known-multiplier character string types, octetstring types, and bitstring types;
- d) an inner type constraints applying an OER-visible constraints to real types when used to (including one that restricts the mantissa, base, or exponent of a real type);
- e) inner type constraints applied to CHARACTER STRING or EMBEDDED-PDV types when used to restrict the value of the syntaxes component to a single value, or when used to restrict identification to the fixed alternative;
- ef) a contained subtype constraints in which the constraining type carries an OER-visible constraint.

2 Clause 8.2.2

Replace clause 8.2.2 n) with the following:

- n) an inner type constraints applied to a components of an-unrestricted character string, or embedded-pdv type or external types, except those specified in 8.2.1 e);

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