

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**X.693**

**Corrigendum 1**  
(10/2017)

SERIES X: DATA NETWORKS, OPEN SYSTEM  
COMMUNICATIONS AND SECURITY

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

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Information technology – ASN.1 encoding rules:  
XML Encoding Rules (XER)

**Technical Corrigendum 1**

Recommendation ITU-T X.693 (2015) – Technical  
Corrigendum 1

ITU-T X-SERIES RECOMMENDATIONS  
**DATA NETWORKS, OPEN SYSTEM COMMUNICATIONS AND SECURITY**

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*For further details, please refer to the list of ITU-T Recommendations.*

Information technology – ASN.1 encoding rules:  
XML Encoding Rules (XER)

Technical Corrigendum 1

Summary

This technical corrigendum to Rec. ITU-T X.693 | ISO/IEC 8825-4 clarifies the handling of encoding instructions on types in constraints.

History

| Edition | Recommendation            | Approval   | Study Group | Unique ID*  |
|---------|---------------------------|------------|-------------|---|
| 1.0     | ITU-T X.693               | 2001-12-22 | 7           | <a href="http://handle.itu.int/11.1002/1000/5565">11.1002/1000/5565</a>   |
| 1.1     | ITU-T X.693 (2001) Amd. 1 | 2003-10-29 | 17          | <a href="http://handle.itu.int/11.1002/1000/7023">11.1002/1000/7023</a>   |
| 1.2     | ITU-T X.693 (2001) Amd. 2 | 2006-06-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/8841">11.1002/1000/8841</a>   |
| 1.3     | ITU-T X.693 (2001) Amd. 3 | 2007-05-29 | 17          | <a href="http://handle.itu.int/11.1002/1000/9110">11.1002/1000/9110</a>   |
| 2.0     | ITU-T X.693               | 2008-11-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/9611">11.1002/1000/9611</a>   |
| 2.1     | ITU-T X.693 (2008) Cor. 1 | 2011-10-14 | 17          | <a href="http://handle.itu.int/11.1002/1000/11381">11.1002/1000/11381</a> |
| 2.2     | ITU-T X.693 (2008) Cor. 2 | 2014-03-01 | 17          | <a href="http://handle.itu.int/11.1002/1000/12148">11.1002/1000/12148</a> |
| 3.0     | ITU-T X.693               | 2015-08-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/12489">11.1002/1000/12489</a> |
| 3.1     | ITU-T X.693 (2015) Cor. 1 | 2017-10-14 | 17          | <a href="http://handle.itu.int/11.1002/1000/13363">11.1002/1000/13363</a> |

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\* 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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The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

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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In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <http://www.itu.int/ITU-T/ipr/>.

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INTERNATIONAL STANDARD  
ITU-T RECOMMENDATION

**Information technology – ASN.1 encoding rules:  
XML Encoding Rules (XER)**

**Technical Corrigendum 1**

*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 15.4.4**

*Replace clause 15.4.4 with the following:*

**15.4.4** If a type that appears in a "ContentsConstraint", ~~or~~ in a "TypeConstraint", or in a "TableConstraint" is to be encoded by EXTENDED-XER, then the final encoding instructions (as determined by the above rules) are used in determining the encoding of that type. If a type appears in any other ASN.1 constraint, then all associated encoding instructions are discarded.





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