

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**X.681**

**Corrigendum 1**  
(05/2018)

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 – Abstract Syntax Notation  
One (ASN.1): Information object specification

**Technical Corrigendum 1**

Recommendation ITU-T X.681 (2015) – Technical  
Corrigendum 1

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

**Information technology – Abstract Syntax Notation One (ASN.1):  
Information object specification**

**Technical Corrigendum 1**

**Summary**

Technical corrigendum 1 to Rec. ITU-T X.681 | ISO/IEC 8824-2 provides corrections to which words cannot be used as literals.

**History**

Edition	Recommendation	Approval	Study Group	Unique ID*
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3.0	ITU-T X.681	2002-07-14	17	<a href="http://handle.itu.int/11.1002/1000/6086">11.1002/1000/6086</a>
3.1	ITU-T X.681 (2002) Amd. 1	2003-10-29	17	<a href="http://handle.itu.int/11.1002/1000/7020">11.1002/1000/7020</a>
3.2	ITU-T X.681 (2002) Technical Cor. 1	2006-06-13	17	<a href="http://handle.itu.int/11.1002/1000/8837">11.1002/1000/8837</a>
3.3	ITU-T X.681 (2002) Technical Cor. 2	2007-05-29	17	<a href="http://handle.itu.int/11.1002/1000/9106">11.1002/1000/9106</a>
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4.1	ITU-T X.681 (2008) Cor. 1	2011-10-14	17	<a href="http://handle.itu.int/11.1002/1000/11377">11.1002/1000/11377</a>
5.0	ITU-T X.681	2015-08-13	17	<a href="http://handle.itu.int/11.1002/1000/12480">11.1002/1000/12480</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.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure, e.g., interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

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INTERNATIONAL STANDARD  
ITU-T RECOMMENDATION**Information technology – Abstract Syntax Notation One (ASN.1):  
Information object specification****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 10.6**

*Replace clause 10.6 with:*

**10.6** A "word" token used as a "Literal" shall not be one of the following:

ABSTRACT-SYNTAX  
 BIT  
 BOOLEAN  
 CHARACTER  
 CHOICE  
CONTAINING  
 DATE  
 DATE-TIME  
 DURATION  
 EMBEDDED  
 END  
 ENUMERATED  
 EXTERNAL  
 FALSE  
 INSTANCE  
 INTEGER  
INTERSECTION  
 MINUS-INFINITY  
NOT-A-NUMBER  
 NULL  
 OBJECT  
 OCTET  
OID-IRI  
 PLUS-INFINITY  
 REAL  
 RELATIVE-OID  
RELATIVE-OID-IRI  
SEQUENCE  
 SET  
 TIME  
 TIME-OF-DAY  
 TRUE  
TYPE-IDENTIFIER  
 UNION

NOTE – This list comprises only and all those ASN.1 reserved words which can appear as the first lexical item of a "Type", "Value", "ValueSet", "Object" or "ObjectSet", and also the reserved word **END**. Use of other ASN.1 reserved words does not cause ambiguity and is permitted. Where the defined syntax is used in an environment in which a "word" is also a "typereference" or "objectsetreference", the use as a "word" takes precedence.





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Series K	Protection against interference
Series L	Environment and ICTs, climate change, e-waste, energy efficiency; construction, installation and protection of cables and other elements of outside plant
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Series U	Telegraph switching
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