

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

X.680

Corrigendum 1
(10/2011)

SERIES X: DATA NETWORKS, OPEN SYSTEM
COMMUNICATIONS AND SECURITY

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

Information technology – Abstract Syntax Notation
One (ASN.1): Specification of basic notation

Technical Corrigendum 1

Recommendation ITU-T X.680 (2008) – Technical
Corrigendum 1

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

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History

Edition	Recommendation	Approval	Study Group
1.0	ITU-T X.680	1994-07-01	7
1.1	ITU-T X.680 (1994) Amd. 1	1995-04-10	7
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1.3	ITU-T X.680 (1994) Technical Cor. 2	1997-12-12	7
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2.4	ITU-T X.680 (1997) Technical Cor. 2	2000-03-31	7
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2.6	ITU-T X.680 (1997) Technical Cor. 4	2001-03-15	7
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2.8	ITU-T X.680 (1997) Amd. 4	2001-10-29	7
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3.1	ITU-T X.680 (2002) Amd. 1	2003-10-29	17
3.2	ITU-T X.680 (2002) Amd. 2	2004-08-29	17
3.3	ITU-T X.680 (2002) Technical Cor. 1	2005-05-14	17
3.4	ITU-T X.680 (2002) Amd. 3	2006-06-13	17
3.5	ITU-T X.680 (2002) Amd. 4	2007-05-29	17
4.0	ITU-T X.680	2008-11-13	17
4.1	ITU-T X.680 (2008) Cor. 1	2011-10-14	17

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

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.

NOTE

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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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

RECOMMENDATION ITU-T

**Information technology – Abstract Syntax Notation One (ASN.1):
Specification of basic notation**

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 2

Add a new NOTE to the first paragraph as follows:

NOTE – This Recommendation | International Standard is based on ISO/IEC 10646:2003 and the Unicode standard version 3.2.0:2002. It cannot be applied using later versions of these two standards.

2 Clause 12.27

Replace the first sentence of the lexical item definition with:

This lexical item shall consist of an arbitrarily long sequence of ISO/IEC 10646 characters that satisfies the constraints specified in Rec. ITU-T X.660 | ISO 9834-1, 7.2.5 and identifies an arc of the International Object Identifier tree.

3 Clause 42.1

Add a new NOTE to the first paragraph as follows:

NOTE – This Recommendation | International Standard is based on ISO/IEC 10646:2003. It cannot be applied using later versions of this standard. The specification of the means by which the "ASN1-CHARACTER-MODULE" is defined can only be applied with ISO/IEC 10646:2003.

4 Clause 46

Rename the current NOTE as NOTE 1 and add the following new NOTE 2:

NOTE 2 – The time type (see clause 38) gives more flexibility and should be preferred.

5 Clause C.3.2.2

Replace the text of the last paragraph of (h) with:

If "TagDefault" is **AUTOMATIC TAGS**, the decision on whether to apply automatic tagging is taken according to 29.5 ~~(the automatic tagging will be performed later on)~~. If "ExtensionDefault" is **EXTENSIBILITY IMPLIED**, an ellipsis ("...") is added after the "AlternativeTypeLists" if it is not present.

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