



**INTERNATIONAL STANDARD ISO/IEC 8824-1:2015**  
**TECHNICAL CORRIGENDUM 2**

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

**Part 1:**

**TECHNICAL CORRIGENDUM 2**

*Technologies de l'information — Notation de syntaxe abstraite numéro un (ASN.1): Spécification de la notation de base*

*Partie 1:*

*RECTIFICATIF TECHNIQUE 2*

Technical Corrigendum 2 to this document was prepared by ISO/IEC JTC 1, *Information technology, SC 6, Telecommunications and information exchange between systems*, in collaboration with ITU-T. The identical text is published as ITU-T X.680 (10/2017).



INTERNATIONAL STANDARD ISO/IEC 8824-1  
RECOMMENDATION ITU-T X.680Information technology – Abstract Syntax Notation One (ASN.1):  
Specification of basic notation

## Technical Corrigendum 2

## Summary

This technical corrigendum to Rec. ITU-T X.680 | ISO/IEC 8824-1 provides a correction to the algorithm for analysing time type value notation in Annex K as well as some typing errors in Annex G and Annex L.

## History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T X.680	1994-07-01	7	<a href="http://handle.itu.int/11.1002/1000/3040">11.1002/1000/3040</a>
1.1	ITU-T X.680 (1994) Amd. 1	1995-04-10	7	<a href="http://handle.itu.int/11.1002/1000/3041">11.1002/1000/3041</a>
1.2	ITU-T X.680 (1994) Technical Cor. 1	1995-11-21	7	<a href="http://handle.itu.int/11.1002/1000/3282">11.1002/1000/3282</a>
1.3	ITU-T X.680 (1994) Technical Cor. 2	1997-12-12	7	<a href="http://handle.itu.int/11.1002/1000/4180">11.1002/1000/4180</a>
1.4	ITU-T X.680 (1994) Amd. 1/Technical Cor.1	1997-12-12	7	<a href="http://handle.itu.int/11.1002/1000/4179">11.1002/1000/4179</a>
1.5	ITU-T X.680 (1994) Amd. 2	1997-12-12	7	<a href="http://handle.itu.int/11.1002/1000/4181">11.1002/1000/4181</a>
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2.1	ITU-T X.680 (1997) Technical Cor. 1	1999-06-18	7	<a href="http://handle.itu.int/11.1002/1000/4700">11.1002/1000/4700</a>
2.2	ITU-T X.680 (1997) Amd. 1	1999-06-18	7	<a href="http://handle.itu.int/11.1002/1000/4698">11.1002/1000/4698</a>
2.3	ITU-T X.680 (1997) Amd. 2	1999-06-18	7	<a href="http://handle.itu.int/11.1002/1000/4699">11.1002/1000/4699</a>
2.4	ITU-T X.680 (1997) Technical Cor. 2	2000-03-31	7	<a href="http://handle.itu.int/11.1002/1000/5046">11.1002/1000/5046</a>
2.5	ITU-T X.680 (1997) Technical Cor. 3	2001-02-02	7	<a href="http://handle.itu.int/11.1002/1000/5331">11.1002/1000/5331</a>
2.6	ITU-T X.680 (1997) Technical Cor. 4	2001-03-15	7	<a href="http://handle.itu.int/11.1002/1000/5332">11.1002/1000/5332</a>
2.7	ITU-T X.680 (1997) Amd. 3	2001-10-29	7	<a href="http://handle.itu.int/11.1002/1000/5562">11.1002/1000/5562</a>
2.8	ITU-T X.680 (1997) Amd. 4	2001-10-29	7	<a href="http://handle.itu.int/11.1002/1000/5563">11.1002/1000/5563</a>
3.0	ITU-T X.680	2002-07-14	17	<a href="http://handle.itu.int/11.1002/1000/6085">11.1002/1000/6085</a>
3.1	ITU-T X.680 (2002) Amd. 1	2003-10-29	17	<a href="http://handle.itu.int/11.1002/1000/7019">11.1002/1000/7019</a>
3.2	ITU-T X.680 (2002) Amd. 2	2004-08-29	17	<a href="http://handle.itu.int/11.1002/1000/7291">11.1002/1000/7291</a>
3.3	ITU-T X.680 (2002) Technical Cor. 1	2005-05-14	17	<a href="http://handle.itu.int/11.1002/1000/8512">11.1002/1000/8512</a>
3.4	ITU-T X.680 (2002) Amd. 3	2006-06-13	17	<a href="http://handle.itu.int/11.1002/1000/8836">11.1002/1000/8836</a>
3.5	ITU-T X.680 (2002) Amd. 4	2007-05-29	17	<a href="http://handle.itu.int/11.1002/1000/9105">11.1002/1000/9105</a>
4.0	ITU-T X.680	2008-11-13	17	<a href="http://handle.itu.int/11.1002/1000/9604">11.1002/1000/9604</a>
4.1	ITU-T X.680 (2008) Cor. 1	2011-10-14	17	<a href="http://handle.itu.int/11.1002/1000/11376">11.1002/1000/11376</a>
4.2	ITU-T X.680 (2008) Cor. 2	2014-03-01	17	<a href="http://handle.itu.int/11.1002/1000/12144">11.1002/1000/12144</a>
5.0	ITU-T X.680	2015-08-13	17	<a href="http://handle.itu.int/11.1002/1000/12479">11.1002/1000/12479</a>
5.1	ITU-T X.680 (2015) Cor. 1	2017-05-14	17	<a href="http://handle.itu.int/11.1002/1000/13257">11.1002/1000/13257</a>
5.2	ITU-T X.680 (2015) Cor. 2	2017-10-14	17	<a href="http://handle.itu.int/11.1002/1000/13361">11.1002/1000/13361</a>

\* 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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INTERNATIONAL STANDARD  
ITU-T RECOMMENDATION**Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation**

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 G.2.8**

Replace the last occurrence of **PackedBCDString-AbstractSyntaxId** with `packedBCDString-AbstractSyntaxId` (lowercase the first letter).

**2 Clause G.4.3**

Replace the first occurrence of **Abstract-Syntax** with **abstract-Syntax** (lowercase the first letter).

**3 Clause K.2.6**

Replace clause K.2.6 with:

**K.2.6** Otherwise, if the string contains a COLON (":"), or has less than four characters, or has more than four characters with the third character being a PLUS ("+") or HYPHEN-MINUS ("-"), then it has the property setting "Basic=Time" and can be analyzed as a string containing a time (see K.7) to determine further property settings.

**4 Clause L**

Replace **ExensionEndMarker** with **ExtensionEndMarker** in the *ComponentTypeLists* production.