

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**X.682**

**Corrigendum 2**  
(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): Constraint specification

**Technical Corrigendum 2**

Recommendation ITU-T X.682 (2015) – Technical  
Corrigendum 2

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

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

**Technical Corrigendum 2**

**Summary**

Technical corrigendum 2 to Rec. ITU-T X.682 | ISO/IEC 8824-3 removes the restriction added in 2008 forbidding white space in AtNotation.

**History**

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T X.682	1994-07-01	7	<a href="http://handle.itu.int/11.1002/1000/3044">11.1002/1000/3044</a>
2.0	ITU-T X.682	1997-12-12	7	<a href="http://handle.itu.int/11.1002/1000/4445">11.1002/1000/4445</a>
2.1	ITU-T X.682 (1997) Technical Cor. 1	2000-03-31	7	<a href="http://handle.itu.int/11.1002/1000/5047">11.1002/1000/5047</a>
2.2	ITU-T X.682 (1997) Technical Cor. 2	2001-02-02	7	<a href="http://handle.itu.int/11.1002/1000/5334">11.1002/1000/5334</a>
2.3	ITU-T X.682 (1997) Technical Cor. 3	2001-03-15	7	<a href="http://handle.itu.int/11.1002/1000/5434">11.1002/1000/5434</a>
3.0	ITU-T X.682	2002-07-14	17	<a href="http://handle.itu.int/11.1002/1000/6087">11.1002/1000/6087</a>
4.0	ITU-T X.682	2008-11-13	17	<a href="http://handle.itu.int/11.1002/1000/9606">11.1002/1000/9606</a>
4.1	ITU-T X.682 (2008) Cor. 1	2014-03-01	17	<a href="http://handle.itu.int/11.1002/1000/12145">11.1002/1000/12145</a>
5.0	ITU-T X.682	2015-08-13	17	<a href="http://handle.itu.int/11.1002/1000/12481">11.1002/1000/12481</a>
5.1	ITU-T X.682 (2015) Cor. 1	2017-10-14	17	<a href="http://handle.itu.int/11.1002/1000/13362">11.1002/1000/13362</a>
5.2	ITU-T X.682 (2015) Cor. 2	2018-05-14	17	<a href="http://handle.itu.int/11.1002/1000/13600">11.1002/1000/13600</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  
RECOMMENDATION ITU-T**Information technology – Abstract Syntax Notation One (ASN.1):  
Constraint specification****Technical Corrigendum 2**

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 10.7**

Replace clause 10.7 with:

**10.7** A component relation constraint is applied using the associated table of an information object set and the following production:

```

ComponentRelationConstraint ::=
  "{" DefinedObjectSet "}" "{" AtNotation "," + "}"
AtNotation ::=
  "@" ComponentIdList |
  "@" & "." & Level ComponentIdList
Level ::= "." & Level | empty
ComponentIdList ::= identifier "." +

```

**2 Annex B**

Replace the ATNotation production with:

```

AtNotation ::= "@" ComponentIdList | "@" __ "." Level ComponentIdList

```





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