



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**X.680**

**Corrigendum 4**  
(03/2001)

SERIES X: DATA NETWORKS AND OPEN SYSTEM  
COMMUNICATIONS

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

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Information technology – Abstract syntax notation  
one (ASN.1): Specification of basic notation

**Corrigendum 4**

**CAUTION !**

***PREPUBLISHED RECOMMENDATION***

This prepublication is an unedited version of a recently approved Recommendation. It will be replaced by the published version after editing. Therefore, there will be differences between this prepublication and the published version.

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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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**TITLE:** Draft Technical Corrigendum 4 to ITU-T Recommendation X.680 | ISO/IEC 8824-1, Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation

### **Summary**

This Technical Corrigendum to ITU-T Rec. X.680 | ISO/IEC 8824-1 adds the ability to more easily create multi-line comments.

## INTERNATIONAL STANDARD

## ITU-T RECOMMENDATION

### INFORMATION TECHNOLOGY – ABSTRACT SYNTAX NOTATION ONE (ASN.1): SPECIFICATION OF BASIC NOTATION

#### TECHNICAL CORRIGENDUM 4 TO X.680

#### 1) Table 2 of subclause 10.1

*Add the character "/" to the last row of Table 2 of subclause 10.1.*

#### 2) Subclause 11.6.1bis

*Add a new subclause 11.6.1bis after subclause 11.6.1 as follows:*

**11.6.1bis** The lexical item "comment" can have two forms:

- One-line comments which begin with "--" as explained in 11.6.2;
- Multiple-line comments which begin with "/\*" as explained in 11.6.3.

#### 3) Subclause 11.6.2

*Replace subclause 11.6.2 with:*

**11.6.2** Whenever a "comment" begins with a pair of adjacent hyphens, it shall end with the next pair of adjacent hyphens or at the end of the line, whichever occurs first. A comment shall not contain a pair of adjacent hyphens other than the pair which starts it and the pair, if any, which ends it. If a comment beginning with "--" includes the adjacent characters "/\*" or "\*/", these have no special meaning and are considered part of the comment. The comment may include graphic symbols which are not in the character set specified in 10.1 (see 10.3).

#### 4) Clause 11.6.3

*Add a new subclause 11.6.3 as follows:*

**11.6.3** Whenever a "comment" begins with "/\*", it shall end with a corresponding "\*/", whether this "\*/" is on the same line or not. If another "/\*" is found before a "\*/", then the comment terminates when a matching "\*/" has been found for each "/\*". If a comment beginning with "/\*" includes two adjacent hyphens "--", these hyphens have no special meaning and are considered part of the comment. The comment may include graphic symbols which are not in the character set specified in 10.1 (see 10.3).

**NOTE** —This allows the user to comment parts of an ASN.1 module that already contain comments (whether they begin with "--" or "/\*") by simply inserting "/\*" at the beginning of the part to be commented and "\*/" at its end.

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