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TECHNICAL CORRIGENDUM 1

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Information technology — Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 specifications

Part 4:

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Notation de syntaxe abstraite numéro un (ASN.1): Paramétrage des spécifications de la notation de syntaxe abstraite numéro un

Partie 4:

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 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.683 (05/2018).

INTERNATIONAL STANDARD ISO/IEC 8824-4
RECOMMENDATION ITU-T X.683

Information technology – Abstract Syntax Notation One (ASN.1):
Parameterization of ASN.1 specifications

Technical Corrigendum 1

Summary

Technical corrigendum 1 to Rec. ITU-T X.683 | ISO/IEC 8824-4 provides corrections which prevent parameterization from producing infinite ASN.1 definitions.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T X.683	1994-07-01	7	11.1002/1000/3045
2.0	ITU-T X.683	1997-12-12	7	11.1002/1000/4446
2.1	ITU-T X.683 (1997) Amd. 1	1999-06-18	7	11.1002/1000/4703
3.0	ITU-T X.683	2002-07-14	17	11.1002/1000/6088
3.1	ITU-T X.683 (2002) Technical Cor. 1	2007-05-29	17	11.1002/1000/9107
4.0	ITU-T X.683	2008-11-13	17	11.1002/1000/9607
4.1	ITU-T X.683 (2008) Cor. 1	2014-03-01	17	11.1002/1000/12146
5.0	ITU-T X.683	2015-08-13	17	11.1002/1000/12482
5.1	ITU-T X.683 (2015) Cor. 1	2018-05-14	17	11.1002/1000/13601

* 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>.

FOREWORD

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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.

NOTE

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
ITU-T RECOMMENDATION**Information technology – Abstract Syntax Notation One (ASN.1):
Parameterization of ASN.1 specifications****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 8.7

Replace clause 8.7 with:

8.7 ~~In the definition of a "ParameterizedType", "ParameterizedValueSet", or "ParameterizedObjectClass", a "DummyReference" shall not be passed as a tagged type (as an actual parameter) to a recursive reference to that "ParameterizedType", "ParameterizedValueSet", or "ParameterizedObjectClass"~~Given a set of parameterized assignments (one or more) and a recursive path of parameterized references crossing one or more of those parameterized assignments, all the parameterized references along that path shall satisfy the following condition: Each actual parameter present in the parameterized reference shall either consist solely of a dummy reference (with no lexical items or comments preceding or following the dummy reference) or shall not contain any dummy reference (see A.3).