INTERNATIONAL STANDARD

ISO/IEC 8824-2

Third edition
2002-12-15

AMENDMENT 1
2004-10-15

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 8824-2:2002/Amd 1:2004

Information technology — Abstract Syntax Notation One (ASN.1): Information object specification

AMENDMENT 1: Support for EXTENDED-XER

Technologies de l'information — Notation de syntaxe abstraite numéro un (ASN.1): Spécification des objets informationnels

AMENDEMENT 1: Support pour règles de codage XML étendu

Reference number
ISO/IEC 8824-2:2002/Amd.1:2004(E)

© ISO/IEC 2004

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 8824-2:2002/Amd 1:2004

© ISO/IEC 2004

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

 © ISO/IEC 2004 – All rights reserved

CONTENTS

Page

1) Subclause 14.6.1 1
2) Subclause 14.9 1
3) Subclause 14.12 1
4) Subclause 15.6 2
5) Annex F 2

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 8824-2:2002/Amd 1:2004

© ISO/IEC 2004 – All rights reserved

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to International Standard ISO/IEC 8824-2:2002 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems,* in collaboration with ITU-T. The identical text is published as Amendment 1 to ITU-T Rec. X.681.

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 8824-2:2002/Amd.1:2004

© ISO/IEC 2004 – All rights reserved

INTERNATIONAL STANDARD
ITU-T RECOMMENDATION

Information technology – Abstract Syntax Notation One (ASN.1) – Information object specification

Amendment 1

Support for EXTENDED-XER

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 8824-2:2002/Amd 1:2004

NOTE – All new or changed text in this amendment is underlined in the clauses being replaced. When merging all such text into the base Recommendation, the underlining is to be removed.

1) Subclause 14.6.1

In subclause 14.6, replace the production "XMLOpenTypeFieldValue" with the following:

XMLOpenTypeFieldVal ::=
XMLTypedValue
| xmlhstring

2) Subclause 14.9

Replace subclause 14.9 with the following three subclauses:

14.9 For a type field or a variable-type value or value set field defined by an "ObjectClassFieldType", the "XMLOpenTypeFieldVal" shall be used in any "XMLValue".

14.9.1 When used in an ASN.1 module, the type identified by the "XMLTypedValue" shall be any ASN.1 type (but see ITU-T Rec. X.680 | ISO/IEC 8824-1, 13.3) and the "XMLValue" in the "XMLTypedValue" shall be any value of that type.

NOTE – When the notation is used as specified in ITU-T Rec. X.693 | ISO/IEC 8825-4, 8.5, the type of the "XMLTypedValue" in an "XMLOpenTypeFieldVal" is identified by the protocol (for example, by a component relation constraint), the "NonParameterizedTypeName" in the "XMLTypedValue" is derived from this, and the "XMLValue" is a value of this type.

14.9.2 The "xmlhstring" alternative of "XMLOpenTypeFieldVal" shall not be used in an ASN.1 module. This alternative can be used only as specified in ITU-T Rec. X.693 | ISO/IEC 8825-4, 8.5, when the type is identified by the protocol and the "xmlhstring" is the hexadecimal value for the encoding of that type, using some (unspecified) encoding rules.

3) Subclause 14.12

Replace subclause 14.12 with the following:

14.12 For an "XMLOpenTypeFieldVal", if the "Type" specified in the information object (after ignoring any tags) is a "typereference" or an "ExternalTypeReference", then the "NonParameterizedTypeName" shall be that "typereference" or "ExternalTypeReference"; otherwise, it shall be the "xmlasn1typename" specified in ITU-T Rec. X.680 | ISO/IEC 8824-1, Table 4, corresponding to the built-in type specified in the information object, after application of the subclauses of ITU-T Rec. X.680 | ISO/IEC 8824-1, 25.11, if applicable.

4) Subclause 15.6

Replace subclause 15.6 with the following:

15.6 For a "TypeFromObject" and a "ValueSetFromObjects", the XML value notation for sequence-of and set-of (see ITU-T Rec. X.680 | ISO/IEC 8824-1, Table 5) and the "xmlasn1typename" (if required) shall be determined by the "Type" specified in the information object(s), after application of the subclauses of ITU-T Rec. X.680 | ISO/IEC 8824-1, 25.11, if applicable.

5) Annex F

In Annex F, replace the production "XMLOpenTypeFieldValue" with the following:

```
XMLOpenTypeFieldVal ::=
        XMLTypedValue
|       xmlhstring
```

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 8824-2:2002/Amd 1:2004