
**Information technology — Multimedia
framework (MPEG-21) —**

**Part 5:
Rights Expression Language**

Technologies de l'information — Cadre multimédia (MPEG-21) —

Partie 5: Langage d'expression des droits

Reference number
ISO/IEC 21000-5:2004(E)



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.

© 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

Contents

	Page
Foreword.....	viii
Introduction	ix
1 Scope.....	1
2 Normative references	1
3 Terms, definitions, symbols, and abbreviated terms.....	2
4 Namespaces and conventions	6
4.1 Namespaces	6
4.2 Namespace conventions.....	7
4.3 Special typographical conventions.....	7
4.4 XML structural notation conventions	8
4.5 Authorization context conventions.....	8
5 Authorization model	8
5.1 General	8
5.2 Authorization request	9
5.3 Authorization context	10
5.4 Authorization story	10
5.5 Authorizer	10
5.6 Authorization model authorization context properties.....	10
5.7 Authorization proof.....	11
5.8 License Semantics.....	12
6 Architectural concepts	12
6.1 Equality	12
6.2 License syntax	12
6.3 License parts	12
6.4 License issuers	13
6.5 Variables	14
6.5.1 Variable definition	14
6.5.2 Variable referencing.....	14
6.6 Conceptually abstract elements and types.....	15
6.7 Revocable	15
6.8 Principal surpassing.....	15
6.8.1 General	15
6.8.2 Principal set representation.....	15
6.9 Derived grants and grant groups	15
6.9.1 General	15
6.9.2 One-step-derived grants and grant groups.....	15
6.10 Encrypted Elements.....	17
7 Core	17
7.1 General	17
7.2 Core authorization context properties.....	17
7.3 General core elements and types.....	18
7.3.1 License	18
7.3.2 LicenseGroup	20
7.3.3 ForAll.....	20
7.3.4 DelegationControl	20
7.3.5 NonSecureReference.....	21
7.3.6 EncryptedContent	21
7.4 Core conceptually abstract elements and types	21
7.4.1 LicensePart.....	21