ISO/IEC 21000-3:2003-04 (E)

Information technology - Multimedia framework (MPEG-21) - Part 3: Digital item identification

Contents

Page

Foreword v

Executive Summary for MPEG-21 vi

1 Scope 1
1.1 Organisation of the Document 1
1.2 Introduction to Digital Items 2
1.3 Example of a Digital Item 2
1.4 Relationship between Digital Item Declaration and Digital Item Identification 2
1.5 Using Identifiers to Link Identifiers with Associated Information 4

2 Normative references 4

3 Terms and definitions 5
3.1 Terms and definitions 5
3.2 Abbreviations 6

4 Identification of Digital Items and their Parts 7
4.1 Identifier Element 7
4.1.1 Syntax 7
4.1.2 Semantics 8
4.1.3 Notes (informative) 8
4.2 RelatedIdentifier Element 8
4.2.1 Syntax 8
4.2.2 Semantics 8
4.2.3 Example 9
4.3 Type Element 9
4.3.1 Syntax 9
4.3.2 Semantics 9
4.3.3 Example 9
4.4 Digital Item Identification XML Schema Definition 9
4.5 Examples (informative) 10
4.5.1 Example: Identification of a Music Release 10
4.5.2 Example: Referring to Digital Item in external DID Document 10
4.5.3 Example: Referring to Resources stored on external server 12
4.5.4 Example: Identifying a Sound Recording and the related Underlying Musical Work 12
4.5.5 Example: Identifying a Digital Item Type 13

5 Identification of Description Schemes 13

Annex A (normative) Requirements for the Registration Authority for Digital Item Identification Systems 14

A.3 Responsibilities of the Registration Authority 14
A.4 Contact information for the Registration Authority 15
A.6 Appeal Procedure for Denied Applications 15
A.7 Registration Application Form 16

Annex B (informative) Interoperability Considerations on Resolution Systems 17

B.1 Introduction 17

B.2 Necessary Functions and Resolution System Switcher 17
B.3 An Overall Example of a DID Browsing System with Resolution System Switcher 19
B.4 Summary 19

Annex C (informative) List of existing Identification and Description Schemes 20

C.1 Common Information System - CIS 20
C.2 Content ID Forum - cIDf 20
C.3 Digital Object Identifier - DOI 21
C.4 Dublin Core Metadata Initiative - DCMI 22
C.5 The EAN/UCC System 22
C.6 Global Release Identifier - GRID 22
C.7 Identifier for Versions of Audiovisual works - V-ISAN 23
C.8 International Standard Audiovisual Number - ISAN 23
C.9 International Standard Book Number - ISBN 23
C.10 International Standard Recording Code - ISRC 24
C.11 International Standard Serial Number - ISSN 24
C.12 International Standard Textual Work Code - ISTC 25
C.13 International Standard Work Code - ISWC 25
C.14 INteroperability of Data in E-Commerce Systems - INDECS 26
C.15 ONline Information eXchange - ONIX International 26
C.16 URL-based Identification Schemes 27

Annex D (informative) Patent statements 29

Bibliography 30