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Nota di contenuto	The MPEG-21 Book; Contents; Foreword; Preface; Acronyms and Abbreviations; List of Contributors; 1 MPEG: Context, Goals and Working Methodologies; 1.1 Introduction; 1.2 MPEG Mission; 1.3 MPEG Standards Preceding MPEG-21; 1.3.1 The MPEG-1 Standard; 1.3.2 The MPEG-2 Standard; 1.3.3 The MPEG-4 Standard; 1.3.4 The MPEG-7 Standard; 1.4 The MPEG-21 Standard; 1.5 MPEG's Standardization Process; 1.5.1 Membership and Leadership; 1.5.2 Meetings; 1.5.3 Types of Standardization Documents; 1.5.4 Working Principles; 1.5.5 Standards Development Process; 1.6 After an MPEG Standard is Ready; 1.6.1 Licensing 1.6.2 The MPEG Industry Forum1.7 Final Remarks; References; 2 An Introduction to MPEG-21; 2.1 Introduction; 2.2 Motivation and Objectives; 2.2.1 Objectives; 2.3 Terms - Digital Items, Users and Resources; 2.4 The MPEG-21 Vision; 2.5 Digital Items - What is New?; 2.6 Walkthrough for a Broadcasting Use Case; 2.6.1 Digital Item Declaration; 2.6.2 Identification; 2.6.3 Rights Expressions; 2.6.4

Protected Digital Items; 2.6.5 Adaptation; 2.6.6 Event Reports; 2.7 MPEG-21 Standard Organization; 2.8 MPEG-21 Standard Overview; 2.8.1 Vision, Technologies and Strategy (Technical Report) 2.8.2 Digital Item Declaration 2.8.3 Digital Item Identification; 2.8.4 IPMP Components; 2.8.5 Rights Expression Language; 2.8.6 Rights Data Dictionary; 2.8.7 Digital Item Adaptation; 2.8.8 MPEG-21 Reference Software; 2.8.9 MPEG-21 File Format; 2.8.10 Digital Item Processing; 2.8.11 Evaluation Methods for Persistent Association Technologies; 2.8.12 Test Bed for MPEG-21 Resource Delivery; 2.8.13 Part 13: Unassigned; 2.8.14 MPEG-21 Conformance; 2.8.15 Event Reporting; 2.8.16 MPEG-21 Binary Format; 2.8.17 Fragment Identifiers for MPEG Resources; 2.8.18 Digital Item Streaming; 2.9 MPEG-21 Schemas 2.9.1 Motivation 2.9.2 Objective; 2.10 Conclusion; References; 3 Digital Item Declaration and Identification; 3.1 Introduction; 3.2 Digital Item Declaration; 3.2.1 The Abstract Model; 3.2.2 Digital Item Declaration Language; 3.2.3 Validation of MPEG-21 DIDs; 3.2.4 The Use of all DIDL Elements in a Real-World Example; 3.2.5 First and Second Edition of the Digital Item Declaration; 3.3 Digital Item Identification; 3.3.1 Link Between DII and DID; 3.3.2 DII Elements; 3.4 Summary; References; 4 IPMP Components; 4.1 Background and Objectives; 4.2 IPMP DIDL; 4.2.1 Elements in the IPMP DIDL 4.2.2 Using the IPMP DIDL 4.2.3 Structure of IPMP DIDL Elements; 4.3 IPMP Info; 4.3.1 Using the IPMPGeneralInfoDescriptor; 4.3.2 Positioning the IPMPGeneralInfoDescriptor in a Digital Item; 4.3.3 Using the InfoDescriptor; 4.4 Using IPMP Components in a Digital Item; 4.5 Relationship Between IPMP Components and the Other Parts of MPEG-21; 4.5.1 Relationship Between IPMP Components and MPEG-21 Part 2: Digital Item Declaration; 4.5.2 Relationship Between IPMP Components and MPEG-21 Part 3: Digital Item Identification 4.5.3 Relationship Between IPMP Components and ISO/IEC 21000-5 Rights Expression Language

Sommario/riassunto

Understand the MPEG-21 Multimedia Framework, the standard for the creation, delivery and consumption of multimedia. This text is the comprehensive guide to MPEG-21, the technology that provides an open framework for multimedia applications. Whereas previous MPEG standards defined compression techniques, MPEG-21 offers methods for the search, access, storage and Rights protection of content. The MPEG-21 Book offers a complete introduction to standardisation, before proceeding to discuss the vision behind MPEG-21, what 'Digital Items' are, how they are adapted and how they

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