ISO/IEC 23000-9:2008-08 (E)

Information technology - Multimedia application format (MPEG-A) - Part 9: Digital Multimedia Broadcasting application format

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms, definitions and abbreviated terms 2
3.1 Terms and definitions 2
3.2 Abbreviated terms 2

4 Overview of technology 4
4.1 Components summary 4
4.2 File format - ISO base media file format 4
4.3 Organization of contents - MPEG-21 DID 5
4.4 Content creation and consumption description - TV Anytime Metadata 5
4.5 Protection and governance - MPEG-21 IPMP and REL 6
4.6 Timed text 6

5 Components of DMB-AF 6
5.1 Supported components and restrictions 6
5.2 Restrictions on MPEG-21 IPMP components 7
5.3 Restrictions on TV-Anytime metadata 12

6 File structures 17
6.1 Table for boxes 17
6.2 File structure for a single type file 19
6.3 File structure for a multiple type file 22
6.4 Protected file structure 23
6.5 Storage and playback of transport stream 25
6.6 Storage and playback of 3GPP time text 28
6.7 Relating content ID with item or track 30

7 Brands identification 32
7.1 Introduction 32
7.2 Audio applications 32
7.3 Video applications 33
7.4 All-in-one applications 33

Annex A (informative) MPEG-21 DID and TV-Anytime Usage Examples 34

Annex B (informative) User-Creative Data Usage Example 41

Annex C (informative) Specifying the Player's Behavior 43

Bibliography 44