

ISO/IEC 23006-3:2013-09 (E)

Information technology - Multimedia service platform technologies - Part 3: Conformance and reference software

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms, definitions and abbreviated terms	2
3.1	Terms and definitions	2
3.2	Abbreviated terms	4
4	Namespaces and conventions	5
4.1	Introduction	5
5	Reference software overview	9
5.1	Introduction	9
5.2	The MXM software repository	9
6	MXM Java software implementation	10
6.1	Introduction	10
6.2	mxm-core (normative)	11
6.3	mxm-engines (informative)	12
6.4	mxm-es (informative)	13
6.5	mxm-applications (informative)	13
6.6	mxm-dataobject (informative)	13
6.7	Java MXM Technology Engines	13
6.7.1	The Digital Item Engine	13
6.7.2	The MPEG21 File Format Engine	14
6.7.3	The REL Engine	14
6.7.4	The IPMP Engine	15
6.7.5	The Media Framework Engine	15
6.7.6	The Metadata Engine	16
6.7.7	The Event Report Engine	16
6.7.8	The Security Engine	16
6.7.9	The Search Engine	17
6.7.10	The Contract Engine	17
6.7.11	The Overlay Engine	17
6.8	Java MXM Protocol Engines	17
6.8.1	Java MXM Elementary Services	17
6.8.2	Technical Guidelines	18
6.8.3	Create Content Usage scenario	18
7	Profiles	19
7.1	Overview	19
7.2	"strict" profile	19
7.3	"lax" profile	20
7.4	ProfileCS	20
Annex A (informative)	Check out of MXM source code from the MXM svn repository	21

Annex B (informative) Building of MXM JAVA reference software	22
B.1 Software requirements	22
B.2 Building the MXM source code	22
Annex C (informative) Development with the MXM Java implementation	24
C.1 Overview	24
C.2 Developing an MXM Engine	24
C.3 Using an MXM Engine API from MXM application	25
C.4 Extending an MXM Engine	26
C.5 How to generate on your own the mxm-dataobject module	26
Bibliography	28