

ISO/IEC 23006-2:2016-12 (E)

Information technology - Multimedia service platform technologies - Part 2: MPEG extensible middleware (MXM) API

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms, definitions and abbreviated terms	1
3.1	Terms and definitions	1
3.2	Abbreviated terms	3
4	Namespace conventions	4
5	Common MXM interfaces and classes	7
6	MPEG-M Engines	8
6.1	General	8
6.2	Technology Engines	9
6.2.1	Digital Item Engine	9
6.2.2	MPEG-21 File Format Engine	9
6.2.3	REL Engine	10
6.2.4	IPMP Engine	11
6.2.5	GreenMetadata Engine	11
6.2.6	Media Framework Engine	12
6.2.7	Metadata Engine	16
6.2.8	Event Reporting Engine	16
6.2.9	Security Engine	17
6.2.10	Search Engine	18
6.2.11	Contract Engine	20
6.2.12	Overlay Engine	20
6.2.13	Sensory Effect Engine	21
6.2.14	Compact Descriptor for Visual Search Technology Engine	22
6.3	Protocol Engines	23
6.3.1	General	23
6.3.2	Base Protocol Engine	23
6.3.3	Authenticate Services APIs	25
6.3.4	Authorize Services APIs	25
6.3.5	Check With Services APIs	25
6.3.6	Create Services APIs	26
6.3.7	Deliver Services APIs	26
6.3.8	Describe Services APIs	26
6.3.9	Identify Services APIs	26
6.3.10	Negotiate Services APIs	27
6.3.11	Package Services APIs	27
6.3.12	Post Services APIs	27
6.3.13	Present Services APIs	27
6.3.14	Process Services APIs	27
6.3.15	Request Services APIs	27
6.3.16	Revoke Services APIs	28
6.3.17	Search Services APIs	28

6.3.18	Store Services APIs	29
6.3.19	Transact Services APIs	29
6.3.20	Verify Services APIs	29
6.4	MXM Orchestrator APIs	30
6.4.1	General	30
6.4.2	DID Engine Orchestrator APIs	30
6.4.3	Identify Content Engine Orchestrator APIs	30
6.4.4	Identify User Engine Orchestrator APIs	30
6.4.5	MF Orchestrator Engine APIs	30
Annex A (normative)	MXMConfiguration	31
Bibliography	39