

ISO/IEC 21000-20:2016-12 (E)

Information technology - Multimedia framework (MPEG-21) - Part 20: Contract Expression Language

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	2
4	Conventions	3
4.1	Document conventions	3
4.2	Namespace prefix conventions	4
4.2.1	General	4
4.2.2	Use of prefixes	4
6	Overview	5
6.1	General aspects	5
6.2	Syntactic representation	6
7	Contract Structured Representation	6
7.1	General	6
7.2	XML Schema definition	6
7.2.1	Contract element and main structure	6
7.2.2	Example	8
7.2.3	Metadata	8
7.2.4	Element to relate contracts	9
7.2.5	The parties	9
7.2.6	Body element	12
7.3	CEL Deontic Structure	18
7.3.1	General	18
7.3.2	Deontic Structured Block	18
7.3.3	Statement	19
7.3.4	Deontic Structured Clause Type	19
7.4	CEL Extension for Exploitation of Intellectual Property Rights	35
7.4.1	General	35
7.4.2	Acts	36
7.4.3	Constraints	39
7.4.4	Permission attributes	55
7.5	CEL Extension for payments and notifications	55
7.5.1	General	55
7.5.2	Payment	56
7.5.3	Notify	58
7.6	CEL Extension for Rights Expression Language standard and multimedia extensions rights and conditions	59
7.6.1	General	59
7.6.2	Acts	59
7.6.3	Constraints	61
7.7	Examples	63

7.7.1	General	63
7.7.2	Simple permission	63
7.7.3	Simple prohibition	63
7.7.4	Simple obligation	64
7.7.5	Statement	65
7.7.6	PreCondition example	66
7.7.7	Complex permission	67
7.8	CEL Extension mechanism	68
Annex A (normative) Schemas		70
Annex B (informative) Examples of CEL contracts		71
Bibliography		81