

ISO/IEC 15938-12:2008-12 (E)

Information technology - Multimedia content description interface - Part 12: Query format

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
1.1	Organization of the document	1
1.2	Overview of the Query Format	1
2	Normative references	1
3	Terms, definitions, abbreviated terms and conventions	2
3.1	Terms and definitions	2
3.2	Abbreviated terms	3
3.3	Conventions	3
4	Structure and Data Model	5
4.1	Structure	5
4.2	Data Model	8
5	Root Element	8
5.1	Introduction	8
5.2	Syntax	9
5.3	Semantics	10
5.4	Example	10
6	Datatypes	11
6.1	MediaLocatorType	11
6.2	MIME-Type	13
6.3	XPathType	13
6.4	ZeroToOneType	14
6.5	TermType	14
6.6	ClassificationScheme	15
6.7	RelationType	16
7	Input Query Format	17
7.1	Introduction	17
7.2	Syntax	18
7.3	Semantics	18
7.4	Example	19
8	QFDeclaration	20
8.1	Introduction	20
8.2	Syntax	20
8.3	Semantics	21
8.4	Example	22
9	Output Description	23
9.1	Introduction	23
9.2	Syntax	24
9.3	Semantics	24
9.4	Example	26

9.5	SortBy	27
10	Query Condition	30
10.1	Introduction	30
10.2	Syntax	30
10.3	Semantics	30
10.4	Example	31
11	Expression Types	32
11.1	Introduction	32
11.2	Syntax	32
11.3	Semantics	32
11.4	Operands	33
11.5	Boolean Expression Types	38
11.6	Comparison Expression Types	43
11.7	Arithmetic Expression Types	46
11.8	Aggregate Expression Types	49
11.9	String Expression Types	51
12	Query Types	52
12.1	Introduction	52
12.2	Syntax	52
12.3	Semantics	52
12.4	QueryByMedia	53
12.5	QueryByDescription	54
12.6	QueryByFreeText	56
12.7	QueryByFeatureRange	58
12.8	SpatialQuery	61
12.9	TemporalQuery	64
12.10	Query By XQuery	66
12.11	Query By Relevance Feedback	67
12.12	Query By ROI	68
12.13	Join Query	72
13	Output Query Format	74
13.1	Output	74
13.2	ResultItem	76
13.3	SystemMessageType	80
14	Query Management Tools	81
14.1	Introduction	81
14.2	InputManagementType	81
14.3	OutputManagementType	86
Annex A (normative) System Messages		89
Annex B (normative) Classification Scheme		91
Bibliography		120