

ISO/IEC 23001-10:2020-04 (E)

Information technology - MPEG systems technologies - Part 10: Carriage of timed metadata metrics of media in ISO base media file format

Contents		Page
Foreword		iv
Introduction		v
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	Carriage of quality metadata	2
4.1	General	2
4.2	Quality metadata	2
4.2.1	Definition	2
4.2.2	Syntax	3
4.2.3	Semantics	3
4.3	Quality metrics	3
4.3.1	Peak signal to noise ratio (PSNR)	3
4.3.2	SSIM	4
4.3.3	MS-SSIM	5
4.3.4	VQM	7
4.3.5	PEVQ	7
4.3.6	MOS	8
4.3.7	Frame significance (FSIG)	8
5	Carriage of green metadata	9
5.1	General	9
5.2	Decoder power indication metadata	10
5.2.1	Definition	10
5.2.2	Syntax	10
5.2.3	Semantics	10
5.3	Display power reduction metadata	10
5.3.1	General	10
5.3.2	Display power indication metadata	11
5.3.3	Display fine control metadata	11
6	Carriage of coordinates	12
6.1	General	12
6.2	2D Cartesian coordinates	13
6.2.1	2D Cartesian coordinates sample entry	13
6.2.2	Syntax	13
6.2.3	Semantics	13
6.3	2D Cartesian coordinates sample format	14
6.3.1	Syntax	14
6.3.2	Semantics	14
Annex A (informative)	Use cases for carriage of ROI coordinates	15
Annex B (normative)	Eigen appearance metric matrix specification	17
Bibliography		21