

### CONTENTS

	<i>Page</i>	
1	Scope .....	1
2	Normative references .....	1
3	Definitions .....	1
4	Compatibility and technology derivation .....	1
4.1	Family members .....	1
4.2	ISO Media file inheritance and compatibility .....	2
4.3	JP2 inheritance and compatibility .....	2
4.4	Conformance .....	2
4.5	Profiles and levels .....	2
4.6	Visual composition .....	3
4.7	Box order .....	4
5	File identification .....	4
6	Required additions .....	4
6.1	Sample Description Box .....	4
7	Template fields used .....	7
8	Definition of compliance points .....	7
8.1	General .....	7
8.2	H, W, C: Image size guarantees .....	7
8.3	N <sub>cb</sub> : Code-block parsing guarantee .....	8
8.4	N <sub>comp</sub> : Component parsing guarantee .....	8
8.5	L <sub>body</sub> : Coded data buffering guarantee .....	8
8.6	M: Decoded bit-plane guarantee .....	8
8.7	P: 9-7I precision guarantee .....	8
8.8	B: 5-3R precision guarantee .....	9
8.9	TL: Transform level guarantee .....	9
8.10	L: Layer guarantee .....	9
8.11	Progressions .....	9
8.12	Tiles .....	9
8.13	Tile-parts .....	9
8.14	Precincts .....	10
8.15	Frame-rate and bit-rate .....	10
8.16	Profile: Codestream guarantee .....	10
9	Compliance point definitions .....	10
10	Definition of test methods .....	11
11	Executable test suite (ETS) .....	11
11.1	Test sequences .....	11
11.2	Cpoint-3 .....	12
11.3	Cpoint-2 .....	13
11.4	Cpoint-1 .....	13
11.5	Cpoint-0 .....	14
Annex A	File and codestream profiles .....	16
A.1	Profile introduction .....	16
A.2	Motion JPEG 2000 simple profile .....	16
Annex B	Guidelines for use of the JPEG 2000 codec .....	17
B.1	Introduction .....	17
B.2	Frequency weighting for motion sequences .....	17
B.3	Encoder sub-sampling of components .....	18
Annex C	Indicating sub-sampling chroma offset .....	19
Annex D	Field Structures for Interlace .....	21

	<i>Page</i>
Annex E – Guidelines for implementing Motion JPEG 2000 .....	23
E.1 Introduction .....	23
E.2 Guidelines .....	23
Annex F – Guide to JPEG 2000 .....	26
F.1 Structure and status of the standard .....	26
F.2 JPEG 2000 file formats .....	26
Annex G – Reference components file format .....	28
G.1 PGX file format .....	28
G.2 Header format .....	28
G.3 Data format .....	28
Annex H – Patent statements .....	29
Bibliography .....	30
Electronic attachment: Binary test files	