

# ISO/IEC 18477-7:2017-05 (E)

## Information technology - Scalable compression and coding of continuous-tone still images - Part 7: HDR Floating-Point Coding

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms, definitions, symbols and abbreviated terms .....	1
4	Conventions .....	9
4.1	Conformance language .....	9
4.2	Operators .....	9
4.2.1	Arithmetic operators .....	10
4.2.2	Logical operators .....	10
4.2.3	Relational operators .....	10
4.2.4	Precedence order of operators .....	10
4.2.5	Mathematical functions .....	11
5	General .....	11
5.1	Overview .....	11
5.3	Profiles .....	13
5.4	Encoder requirements .....	13
5.5	Decoder requirements .....	13
Annex A (normative) Encoding and decoding process .....		14
Annex B (normative) Boxes .....		19
Annex C (normative) Multi-component decorrelation .....		31
Annex D (normative) Half-exponential output transformation .....		32
Annex E (normative) Profiles .....		33
Annex F (informative) Implementation guidelines .....		43
Bibliography .....		49