

# ISO/IEC 18477-7:2016-02 (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
3.1	Terms and definitions .....	1
3.2	Symbols .....	6
3.3	Abbreviations .....	7
4	Conventions .....	7
4.1	Conformance language .....	7
4.2	Operators .....	7
4.2.1	Arithmetic operators .....	7
4.2.2	Logical operators .....	8
4.2.3	Relational operators .....	8
4.2.4	Precedence order of operators .....	8
4.2.5	Mathematical functions .....	8
5	General .....	9
5.1	High level overview on JPEG XT ISO 18477-7 (informative) .....	9
5.2	Profiles .....	11
5.3	Encoder requirements .....	11
5.4	Decoder requirements .....	11
Annex A (normative) Encoding and decoding process .....		12
Annex B (normative) Boxes .....		17
Annex C (normative) Multi-component decorrelation .....		29
Annex D (normative) Half-exponential output transformation .....		31
Annex E (normative) Profiles .....		32
Annex F (informative) Implementation guidelines .....		42
Bibliography .....		48