ISO/IEC 18477-2:2016-07 (E)

Information technology - Scalable compression and coding of continuous-tone still images - Part 2: Coding of high dynamic range images

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Abbreviated terms and symbols 4
4.1 Abbreviated terms 4
4.2 Symbols 4

5 Conventions 4
5.1 Conformance language 4
5.2 Operators 4
5.2.1 Arithmetic operators 5
5.2.2 Logical operators 5
5.2.3 Relational operators 5
5.2.4 Precedence order of operators 5
5.2.5 Mathematical functions 6

6 General 6
6.1 Elements specified 6
6.2 High level overview of this document 6
6.3 High level functional overview of decoding process 7
6.4 Encoder requirements 8
6.5 Decoder requirements 8

7 Decoderdefinition 8
7.1 Decoder functionality overview 8
7.2 Legacy Inverse Decorrelation Block B3 9
7.3 Base Mapping and Colour space conversion Block B4 10
7.4 Residual decode Blocks B5, B6 11
7.5 Residual Mapping and Inverse Decorrelation Blocks B7, B8 12
7.6 HDR Reconstruction Blocks B9, B10 13

8 CodestreamsyntaxforMainProfile 13
8.1 Main Profile Header Structure 13
8.2 Parameter ASCII segment 14
8.3 Parameter binary segment 16
8.4 Residual codestream segment 16

Annex A (normative) Checksum computation 17

Bibliography 18