ISO/IEC 23090-15:2026-08 (E)

Information technology - Coded representation of immersive media - Part 15: Conformance testing for versatile video coding

Contents

Page

Foreword v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Abbreviated terms 2

5 Conventions 4

6 Conformance testing for ITU-T H.266 ..... ISO/IEC 23090-3|4
6.1 General 4
6.2 Bitstream conformance 4
6.3 Decoder conformance 4
6.4 Procedure to test bitstreams 4
6.5 Procedure to test decoder conformance 5
6.5.1 Conformance bitstreams 5
6.5.2 of the bitstream file 5
6.5.3 Requirements on output of the decoding process and timing 5
6.5.4 Static tests for output order conformance 6
6.5.5 Dynamic tests for output timing conformance 6
6.5.6 Decoder conformance test for a particular profile, tier, and level 7
6.6 Specification of the test bitstreams 7
6.6.1 General 7
6.6.2 Test bitstreams - Coding tools for Main 10 profile with 4:2:0 chroma format and 10 bit depth 7
6.6.3 Test bitstreams - High-level syntax features for Main 10 profile with 4:2:0 chroma format and 10 bit depth 37
6.6.4 Test bitstreams - Additional chroma formats and bit depths for Main 10 profile 50
6.6.5 Test bitstreams - Coding tools for Main 10 4:4:4 profile for 4:4:4 chroma format and 10 bit depth 51
6.6.6 Test bitstreams - Additional chroma formats and bit depths for Main 10 4:4:4 profile 55
6.6.7 Test bitstreams - Multilayer Main 10 profile 59
6.6.8 Test bitstreams - Multilayer Main 10 4:4:4 profile 62
6.6.9 Test bitstreams - Main 10 Still Picture profile 62
6.6.10 Test bitstreams - Main 10 4:4:4 Still Picture profile 63
6.6.11 Test bitstreams - Main 12 profile 63
6.6.12 Test bitstreams - Main 12 Intra profile 63
6.6.13 Test bitstreams - Main 12 Still Picture profile 63
6.6.14 Test bitstreams - Main 12 4:4:4 profile 64
6.6.15 Test bitstreams - Main 12 4:4:4 Intra profile 69
6.6.16 Test bitstreams - Main 12 4:4:4 Still Picture profile 70
6.6.17 Test bitstreams - Main 16 4:4:4 profile 73
6.6.18 Test bitstreams - Main 16 4:4:4 Intra profile 80
6.6.19 Test bitstreams - Main 16 4:4:4 Still Picture profile 81
6.7 Conformance test suites for Rec. ITU-T H.266 ..... ISO/IEC 23090-3|84
6.7.1 Bitstreams for Main 10 profile 84
6.7.2 Bitstreams for Main 10 4:4:4 profile 88
6.7.3 Bitstreams for Multilayer Main 10 profile 89

6.7.4 Bitstreams for Multilayer Main 10 4:4:4 profile 89
6.7.5 Bitstreams for Main 10 Still Picture profile 89
6.7.6 Bitstreams for Main 10 4:4:4 Still Picture profile 89
6.7.7 Bitstreams for Main 12 profile 90
6.7.8 Bitstreams for Main 12 Intra profile 90
6.7.9 Bitstreams for Main 12 Still Picture profile 90
6.7.10 Bitstreams for Main 12 4:4:4 profile 90

6.7.11 Bitstreams for Main 12 4:4:4 Intra profile 90
6.7.12 Bitstreams for Main 12 4:4:4 Still Picture profile 91
6.7.13 Bitstreams for Main 16 4:4:4 profile 91
6.7.14 Bitstreams for Main 16 4:4:4 Intra profile 91
6.7.15 Bitstreams for Main 16 4:4:4 Still Picture profile 92