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AMENDMENT 1
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Information technology — Multimedia content description interface —

Part 7: Conformance testing

AMENDMENT 1: Conformance extensions

Technologies de l'information — Description de l'interface du contenu multimédia —

Partie 7: Essais de conformité

AMENDEMENT 1: Extensions de conformité

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Foreword

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The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

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Amendment 1 to ISO/IEC 15938-7:2003 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

Information technology — Multimedia content description interface —

Part 7: Conformance testing

AMENDMENT 1: Conformance extensions

In subclause 5.6.3, Definition of Reference Textual Access Unit Form Descriptions, add the following items to the list:

- FUContext: dynamic insertion of elements using insert command
- FU payload: deferred and non deferred fragment references

In subclause 5.9.2, Definition of Reference Binary Access Unit Form Descriptions, add the following items to list to the list:

- DecoderInit: Optimized decoder initialisation, fragment references and multiple payload with rationale position codes
- FUContext: dynamic insertion of elements using rationale position codes
- FU context: mixed content model
- FU payload: dynamical configurable optimized decoders
- FU payload: multiple assignment of optimized decoders for a single type
- FU payload: mixed content model
- FU payload: deferred and non deferred fragment references

In subclause 6.5.1.1, Systems BiM Conformance Bitstreams, add the following items to Table 1 and corresponding bitstreams:

Table 1 summarizes the Systems BiM conformance bistreams.

Table 1 — Systems BiM Conformance Bistreams

Conformance Stream	Decoder Init			Fragment Updates	Context Path		Commands				Payload
	Descr	Multiple Fragments	Schema References	Fragment Updates	Type	Address	Add	Delete	Replace	Reset	Deferred Nodes
BiM_Audio_UniformQuantization_1.bin BiM_Audio_UniformQuantization_2.bin				Single	Absolute	root	✓				
BiM_Audio_NonUniformQuantization_1.bin BiM_Audio_NonUniformQuantization_2.bin				Single	Absolute	root	✓				
BiM_XML_AbsoluteContextPath_MixedContent_1.bin BiM_XML_AbsoluteContextPath_MixedContent_2.bin				Single	Absolute	mixed text	✓				
BiM_XML_RelativeContextPath_MixedContent_1.bin BiM_XML_RelativeContextPath_MixedContent_2.bin				Single	relative	mixed text	✓				
BiM_MDS_RationaleMultiplePayload_1.bin BiM_MDS_RationaleMultiplePayload_2.bin				Single	Absolute	root	✓				
BiM_MDS_Zlib_1.bin BiM_MDS_Zlib_2.bin				Single	Absolute	root	✓				

Conformance Stream	Decoder Init			Fragment Updates	Context Path		Commands				Payload
	Descr	Multiple Fragments	Schema References	Fragment Updates	Type	Address	Add	Delete	Replace	Reset	Deferred Nodes
BiM_XML_Payload_MixedContent_1.bin BiM_XML_Payload_MixedContent_2.bin				Single	Absolute	root	✓				
BiM_MDS_RationalPositionCode_1.bin BiM_MDS_RationalPositionCode_2.bin				Single	Absolute	element	✓				
BiM_MDS_DeferredFragmentReference_1.bin BiM_MDS_DeferredFragmentReference_2.bin				Single	Absolute	fragment reference	✓				
BiM_MDS_NonDeferredFragmentReference_1.bin BiM_MDS_NonDeferredFragmentReference_2.bin				Single	Absolute	fragment reference	✓				

In subclause 6.5.1.2, Systems TeM Conformance Bitstreams, add the "INSERT" column to Table 2:

In subclause 6.5.1.2, add the following items to Table 2 and corresponding bitstreams:

Table 2 summarizes the Systems TeM conformance bistreams.

Table 2 — Systems TeM Conformance Bistreams

Conformance Stream	Decoder Init			Fragment Updates	Context Path		Commands					Payload
	Initial Descr	Multiple Fragments	Schema References	Fragment Updates	Type	Address	Add	Delete	Replace	Reset	Insert	Deferred Nodes
description098–attribute-systems.xml	✓		✓	Single	Both	Both	✓	✓	✓	✓		
TeM_MDS_DeferredFragmentReference_1.bin TeM_MDS_DeferredFragmentReference_2.bin				Single	Absolute	fragment reference	✓					
TeM_MDS_NonDeferredFragmentReference_1.bin TeM_MDS_NonDeferredFragmentReference_2.bin				Single	Absolute	fragment reference	✓					
TeM_MDS_InsertCommand_1.bin TeM_MDS_InsertCommand_2.bin				Single	Absolute	element					✓	

In subclause 7.3.4, Naming Scheme for Visual Conformance Descriptions, add the following items to Table 3 and corresponding bitstreams:

Table 3 — Naming Scheme for Video Conformance Descriptions

Descriptor/Descriptionscheme	Basename
GofGopFeature	GofGopFeature
Color Temperature	Color Temperature
IlluminationInvariantColor	IlluminationInvariantColor
Shape Variation	Shape Variation
AdvancedFaceRecognition	AdvancedFaceRecognition
StillRegionFeature	StillRegionFeature
VideoSegmentFeature	VideoSegmentFeature
MovingRegionFeature	MovingRegionFeature

In subclause 7.4.3, Naming Scheme for Conformance Descriptions, add the following items to Table 4 and corresponding bitstreams:

Table 4 — Naming Scheme for Audio Conformance Descriptions

Descriptor/Descriptionscheme	Basename
AudioBpmD	AudioBpm
AudioSignalQualityDS	AudioSignalQualityDS
BackgroundNoiseLevelD	BackgroundNoiseLevel
BalanceD	Balance
BandwidthD	Bandwidth
CrossChannelCorrelationD	CrossChannelCorrelation
DCOffsetD	DCOffset
RelativeDelayD	RelativeDelay