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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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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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 |                  | Type         | Address    | Add      | Delete | Replace | Reset |         |
| BiM_Audio_UniformQuantization_1.bin<br>BiM_Audio_UniformQuantization_2.bin                       |              |                    |                   | Single           | Absolute     | root       | ✓        |        |         |       |         |
| BiM_Audio_NonUniformQuantization_1.bin<br>BiM_Audio_NonUniformQuantization_2.bin                 |              |                    |                   | Single           | Absolute     | root       | ✓        |        |         |       |         |
| BiM_XML_AbsoluteContextPath_MixedContent_1.bin<br>BiM_XML_AbsoluteContextPath_MixedContent_2.bin |              |                    |                   | Single           | Absolute     | mixed text | ✓        |        |         |       |         |
| BiM_XML_RelativeContextPath_MixedContent_1.bin<br>BiM_XML_RelativeContextPath_MixedContent_2.bin |              |                    |                   | Single           | relative     | mixed text | ✓        |        |         |       |         |
| BiM_MDS_RationalMultiplePayload_1.bin<br>BiM_MDS_RationalMultiplePayload_2.bin                   |              |                    |                   | Single           | Absolute     | root       | ✓        |        |         |       |         |
| BiM_MDS_Zlib_1.bin<br>BiM_MDS_Zlib_2.bin                                                         |              |                    |                   | Single           | Absolute     | root       | ✓        |        |         |       |         |

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

Table 2 — Systems TeM Conformance Bistreams

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