



INTERNATIONAL STANDARD ISO/IEC 15938-3:2002/Amd.1:2004
TECHNICAL CORRIGENDUM 1

Published 2005-03-01

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

Information technology — Multimedia content description interface —

Part 3: Visual

AMENDMENT 1: Visual extensions

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Interface de description du contenu multimédia —

Partie 3: Visuel

AMENDEMENT 1: Extensions visuelles

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO/IEC 15938-3:2002/Amd.1:2004 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

Replace subclause 5.7.2 with:

5.7.2 DDL representation syntax

```
<!-- ##### -->
<!-- Definition of MPEG-7 GofGopFeatureType -->
<!-- ##### -->
<complexType name="GofGopFeatureType">
  <sequence>
    <element name="Descriptor" xsi:type="mpeg7:VisualDType"/>
  <sequence>
    <attribute name="aggregation" use="optional">
      <simpleType>
        <restriction base="string">
          <enumeration value="Average"/>
          <enumeration value="Median"/>
          <enumeration value="SplitMerge"/>
        </restriction>
      </simpleType>
    </attribute>
  </sequence>
</complexType>
```

Replace subclause 12.1.2 with:

12.1.2 DDL representation syntax

```
<!-- ##### -->
<!-- Definition of media-centric visual DSs -->
<!-- ##### -->

<!-- ##### -->
<!-- Definition of MPEG-7 Still Region Feature Type -->
<!-- ##### -->

<complexType name="StillRegionFeatureType">
  <complexContent>
    <extension base="mpeg7:VisualDSType">
      <sequence>
        <!-- List of features available -->
        <!-- Color Distribution -->
        <choice minOccurs="0">
          <!-- for the region with limited number of colors -->
          <element name="DominantColor" type="mpeg7:DominantColorType">
            <!-- for generic applications -->
          <element name="ScalableColor" type="mpeg7:ScalableColorType">
            <!-- for high-level applications requesting precise retrieval -->
          <element name="ColorStructure" type="mpeg7:ColorStructureType">
          </choice>
        <!-- Spatial Distribution of Color -->
        <element name="ColorLayout" type="mpeg7:ColorLayoutType" minOccurs="0">
        <!-- Color Temperature -->
        <element name="ColorTemperature" type="mpeg7:ColorTemperatureType"
          minOccurs="0">
        <!-- Illumination Independent Color -->
        <element name="IlluminationCompensatedColor"
          type="mpeg7:IlluminationInvariantColorType" minOccurs="0">
        <!-- Spatial Distribution of edges -->
        <element name="Edge" type="mpeg7:EdgeHistogramType" minOccurs="0">
        <!-- Homogeneous Patterns -->
        <!-- It is applicable only to the picture with homogeneous pattern -->
        <choice minOccurs="0">
```

```

        <element name="HomogeneousPattern" type="mpeg7:HomogenousTextureType">
        <!-- In case only rough browsing is requested -->
        <element name="TextureBrowsing" type="mpeg7:TextureBrowsingType">
    </choice>
    <!-- Shape -->
    <choice minOccurs="0">
        <!-- for shape mask-->
        <element name="ShapeMask" type="mpeg7:RegionShapeType">
        <!-- for contour -->
        <element name="Contour" type="mpeg7:ContourShapeType">
    </choice>
    </sequence>
</extension>
</complexContent>
</complexType>

<!-- ##### -->
<!-- Definition of MPEG-7 VideoSegmentFeatureType -->
<!-- ##### -->

<complexType name="VideoSegmentFeatureType">
    <complexContent>
        <extension base="mpeg7:VisualDSType">
            <sequence>
                <!-- List of features available -->
                <!-- Temporal transition of frame feature -->
                <element name="TemporalTransition" type="mpeg7:VisualTimeSeriesType"
                    minOccurs="0" maxOccurs="unbounded"/>
                <!-- Representative feature over all frame in the sequence -->
                <element name="RepresentativeFeature" type="mpeg7:GofGopFeatureType"
                    minOccurs="0" maxOccurs="unbounded"/>
                <!-- motion activity -->
                <element name="MotionActivity" type="mpeg7:MotionActivityType"
                    minOccurs="0"/>
            </sequence>
        </extension>
    </complexContent>
</complexType>

<!-- ##### -->
<!-- Definition of MPEG-7 MovingRegionFeatureType -->
<!-- ##### -->

<complexType name="MovingRegionFeatureType">
    <complexContent>
        <extension base="mpeg7:VideoSegmentFeatureType">
            <sequence>
                <!-- List of features available -->
                <!-- description of statistical characteristics of shape changes -->
                <element name="ShapeVariation" type="mpeg7:ShapeVariationType"
                    minOccurs="0"/>
                <!-- description of motion characteristics -->
                <choice minOccurs="0">
                    <element name="ParametricMotion" type="mpeg7:ParametricMotionType">
                    <element name="MotionTrajectory" type="mpeg7:MotionTrajectoryType">
                </choice>
            </sequence>
        </extension>
    </complexContent>
</complexType>

```