



INTERNATIONAL STANDARD ISO/IEC 15938-3:2002/Amd.1:2004
TECHNICAL CORRIGENDUM 2

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**Information technology — Multimedia content description
interface —**

**Part 3:
Visual**

AMENDMENT 1: Visual extensions

TECHNICAL CORRIGENDUM 2

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

Partie 3: Visuel

AMENDEMENT 1: Extensions visuelles

RECTIFICATIF TECHNIQUE 2

Technical Corrigendum 2 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 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 -->
        <!-- for the region with limited number of colors -->
        <element name="DominantColor" type="mpeg7:DominantColorType" minOccurs="0">
          <!-- for generic applications -->
          <element name="ScalableColor" type="mpeg7:ScalableColorType" minOccurs="0">
            <!-- for high-level applications requesting precise retrieval -->
            <element name="ColorStructure" type="mpeg7:ColorStructureType" minOccurs="0">
              <!-- 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 -->
                      <element name="HomogeneousPattern" type="mpeg7:HomogenousTextureType"
                        minOccurs="0">
                        <!-- In case only rough browsing is requested -->
                        <element name="TextureBrowsing" type="mpeg7:TextureBrowsingType" minOccurs="0">
                          <!-- Shape -->
                          <!-- for shape mask-->
                          <element name="ShapeMask" type="mpeg7:RegionShapeType" minOccurs="0">
                            <!-- for contour -->
                            <element name="Contour" type="mpeg7:ContourShapeType" minOccurs="0">
                              </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 -->

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    <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>

```