



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

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION  
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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 -->

```

```

    <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">

```