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
INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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.*

ICS 35.040 **Ref. No. ISO/IEC 15938-3:2002/Amd.1:2004/Cor.2:2007(E)**

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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>
```

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