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*.

ICS 35.040 **Ref. No. ISO/IEC 15938-3:2002/Amd.1:2004/Cor.1:2005(E)**

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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>
</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">
```


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```
        <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>
```

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