**INTERNATIONAL STANDARD ISO/IEC 15938-3:2002/Amd.2:2006**
TECHNICAL CORRIGENDUM 1

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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 2: Perceptual 3D Shape Descriptor

TECHNICAL CORRIGENDUM 1

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

*Partie 3: Visuel*

*AMENDEMENT 2: Descripteur sensoriel de forme 3D*

*RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 to ISO/IEC 15938-3:2002/Amd.2:2006 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

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*Replace subclause 8.6.1 with the following:*

### 8.6.1 DDL representation syntax

```
<!-- ########################################################  -->
<!-- Definition of MPEG-7  P3DS Datatype                       -->
<!-- ########################################################  -->
<complexType name="Perceptual3DShapeType">
       <complexContent>
       <extension base="mpeg7:VisualDType">
       <sequence>
              <element name="BitsPerAttribute">
                     <simpleType>
                            <restriction base="integer">
                            <minInclusive value="1"/>
                            <maxInclusive value="15"/>
                            </restriction>
                     </simpleType>
              </element>
              <element name="IsConnected" minOccurs="0" maxOccurs="1">
                     <simpleType>
                            <restriction>
                                   <simpleType>
                                          <list itemType="boolean"/>
                                   </simpleType>
                                   <minLength value="1"/>
                                   <maxLength value="32385"/>
                            </restriction>
                     </simpleType>
              </element>
              <sequence minOccurs="1" maxOccurs="255">
                     <element name="Volume" type="mpeg7:unsigned15"/>
                     <element name="Center X" type="mpeg7:unsigned15"/>
                     <element name="Center Y" type="mpeg7:unsigned15"/>
                     <element name="Center_Z" type="mpeg7:unsigned15"/>
                     <element name="PCA_Axis_1X" type="mpeg7:unsigned15"/>
                     <element name="PCA Axis 1Y" type="mpeg7:unsigned15"/>
                     <element name="PCA_Axis_1Z" type="mpeg7:unsigned15"/>
                     <element name="PCA_Axis_2X" type="mpeg7:unsigned15"/>
                     <element name="PCA_Axis_2Y" type="mpeg7:unsigned15"/>
                     <element name="PCA Axis 2Z" type="mpeg7:unsigned15"/>
                     <element name="Max_1" type="mpeg7:unsigned15"/>
                     <element name="Max_2" type="mpeg7:unsigned15"/>
                     <element name="Max 3" type="mpeg7:unsigned15"/>
                     <element name="Convexity" type="mpeg7:unsigned15"/>
              </sequence>
       </sequence>
       </extension>
       </complexContent>
</complexType>
```


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