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AMENDMENT 3
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Information technology — Multimedia content description interface —

Part 5: Multimedia description schemes

AMENDMENT 3: Improvements to geographic descriptor

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

Partie 5: Schémas de description multimédia

AMENDEMENT 3: Améliorations au descripteur géographique

Reference number
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The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

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Amendment 3 to ISO/IEC 15938-5:2003 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

This Amendment provides the ability to define a geographical position with one or more Points, the ability to provide an accuracy value related to the Points and the ability to define the type of GeographicPosition Point details.

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Information technology — Multimedia content description interface —

Part 5:
Multimedia description schemes

AMENDMENT 3: Improvements to geographic descriptor

In 7.6.2.2, replace schema definition by the following schema text:

```
<!-- ################################ -->
<!-- Definition of Place DS (7.5.2) -->
<!-- ################################ -->
<!-- Definition of Place DS -->
<complexType name="PlaceType">
  <complexContent>
    <extension base="mpeg7:DSType">
      <sequence>
        <element name="Name" type="mpeg7:TextualType"
                minOccurs="0" maxOccurs="unbounded"/>
        <element name="NameTerm" type="mpeg7:ControlledTermUseType"
                minOccurs="0" maxOccurs="unbounded"/>
        <element name="Role" type="mpeg7:TermUseType"
                minOccurs="0"/>
        <element name="GeographicPosition" minOccurs="0">
          <complexType>
            <sequence>
              <element name="Point" type="mpeg7:GeographicPointType"
                  minOccurs="0" maxOccurs="unbounded"/>
            </sequence>
            <attribute name="datum" type="string" use="optional"/>
            <attribute name="accuracy" type="float" use="optional"/>
            <attribute name="type" use="optional" default="point">
              <simpleType>
                <restriction base="NMTOKEN">
                  <enumeration value="area"/>
                  <enumeration value="route"/>
                  <enumeration value="point"/>
                </restriction>
              </simpleType>
            </attribute>
          </complexType>
        </element>
        <element name="AstronomicalBody" type="mpeg7:TermUseType"
                minOccurs="0" maxOccurs="unbounded"/>
        <element name="Region" type="mpeg7:regionCode"
                minOccurs="0" maxOccurs="unbounded"/>
        <element name="AdministrativeUnit"
                minOccurs="0" maxOccurs="unbounded">
```

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```
          <complexType>
            <simpleContent>
              <extension base="string">
                <attribute name="type" type="string" use="optional"/>
              </extension>
            </simpleContent>
          </complexType>
        </element>
        <element name="PostalAddress" minOccurs="0">
          <complexType>
            <sequence>
              <element name="AddressLine" type="mpeg7:TextualType"
                     minOccurs="1" maxOccurs="unbounded"/>
              <element name="PostingIdentifier" type="mpeg7:TextualType"
                     minOccurs="0"/>
            </sequence>
            <attribute ref="xml:lang" use="optional"/>
          </complexType>
        </element>
        <element name="InternalCoordinates" type="string" minOccurs="0"/>
      </sequence>
      <attribute ref="xml:lang" use="optional"/>
    </extension>
  </complexContent>
</complexType>
```

In 7.6.2.3, after the definition for datum term and before the definition for Astronomical Body term, insert the definitions for the term "accuracy" and "type", as follows:

Accuracy Indicates the accuracy, in meters, of the GeographicPosition details.

type Indicates the type of GeographicPosition Details. The values for the type are defined as follows: Values include "Area", "Point" or "Route".

• *area* - The Points refer to an area. The last Point is related to the first Point in that if you join up the Points you have a complete area of interest

• *route* – The Points refer to a route. The end Point bears no relation to the first Point, the points are in a sequence.

• point – The Point refers to a particular Point.

In 7.6.2.4, replace the entire text of the subclause with the following text:

7.6.2.4 Place DS examples (informative)

The following example shows the use of Place DS for describing a shooting location. In this case, the place is a university in Madrid, Spain.

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```
<Mpeg7>
  <DescriptionUnit xsi:type="PlaceType">
    <Name xml:lang="en">Madrid</Name>
    <Role>
      <Name>shooting location</Name>
    </Role>
    <GeographicPosition accuracy="1.5" type="point" datum="itrf">
      <Point longitude="135.75" latitude="35.5" altitude="100"/>
    </GeographicPosition>
    <Region>es-cam</Region>
    <AdministrativeUnit type="city">Madrid</AdministrativeUnit>
    <PostalAddress>
      <AddressLine>E.T.S.Ing. Telecommunication</AddressLine>
      <AddressLine>Universidad Politecnica de Madrid</AddressLine>
      <AddressLine>Ciudad Universitaria s/n</AddressLine>
      <PostingIdentifier>E-28040</PostingIdentifier>
    </PostalAddress>
    <InternalCoordinates>C-306</InternalCoordinates>
  </DescriptionUnit>
</Mpeg7>
```

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