PHẦN VĂN BẢN QUY PHẠM PHÁP LUẬT

BỘ TÀI NGUYÊN VÀ MÔI TRƯỜNG

Thông tư số 21/2014/TT-BTNMT ngày 24 tháng 4 năm 2014 quy định kỹ thuật về mô hình cấu trúc, nội dung cơ sở dữ liệu nền địa lý tỷ lệ 1:10.000

Phụ lục số 5

LƯỢC ĐỒ GML ÁP DỤNG TRONG PHÂN PHỐI DỮ LIỆU NỀN ĐỊA LÝ TỶ LỆ 1:10.000

(Ban hành kèm theo Thông tư số 21/2014/TT-BTNMT ngày 24 tháng 4 năm 2014 của Bộ trưởng Bộ Tài nguyên và Môi trường)

(Tiếp theo Công báo số 551 + 552)

```
            <element name="surface" type="gml:SurfacePropertyType" />

        </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="BR03" type="ndl10n:BR03Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="BR03Type">
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    <extension base="ndl10n:NenDialy10NType">
      <sequence>
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                <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
                <element name="DIC" type= "string" minOccurs="0"  maxOccurs="1" />
                <element name="point" type="gml:PointPropertyType" />
                <element name="surface" type="gml:SurfacePropertyType" />

          </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="BR04" type="ndl10n:BR04Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="BR04Type">
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    <extension base="ndl10n:NenDialy10NType">
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            <element name="MDT" type= "string" minOccurs="1"  maxOccurs="1" />
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            <element name="point" type="gml:PointPropertyType" />
            <element name="surface" type="gml:SurfacePropertyType" />

        </sequence>
    </extension>
  </complexContent>
</complexType

<element name="BR05" type="ndl10n:BR05Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="BR05Type">
  <complexContent>
    <extension base="ndl10n:NenDialy10NType">
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            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="DIC" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="point" type="gml:PointPropertyType" />
            <element name="surface" type="gml:SurfacePropertyType" />

        </sequence>
    </extension>
  </complexContent>
</complexType

<element name="BM02" type="ndl10n:BM02Type" substitutionGroup="ndl10n:_NenDialy10N" />
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            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="DIC" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="point" type="gml:PointPropertyType" />
            <element name="surface" type="gml:SurfacePropertyType" />

        </sequence>
    </extension>
  </complexContent>
</complexType

<element name="BM03" type="ndl10n:BM03Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="BM03Type">
  <complexContent>
    <extension base="ndl10n:NenDialy10NType">
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            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="DIC" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="point" type="gml:PointPropertyType" />
            <element name="surface" type="gml:SurfacePropertyType" />

        </sequence>
    </extension>
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</complexType

<element name="BM04" type="ndl10n:BM04Type" substitutionGroup="ndl10n:_NenDialy10N" />
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                <element name="DIC" type= "string" minOccurs="0"  maxOccurs="1" />
                <element name="point" type="gml:PointPropertyType" />
                <element name="surface" type="gml:SurfacePropertyType" />

          </sequence>
    </extension>
  </complexContent>
</complexType

<element name="BM05" type="ndl10n:BM05Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="BM05Type">
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                <element name="DIC" type= "string" minOccurs="0"  maxOccurs="1" />
                <element name="point" type="gml:PointPropertyType" />
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            <element name="surface" type="gml:SurfacePropertyType" />

        </sequence>
    </extension>
  </complexContent>
</complexType

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<complexType name="BS01Type">
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            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="DIC" type= "string" minOccurs="0"  maxOccurs="1" />
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            <element name="surface" type="gml:SurfacePropertyType" />

        </sequence>
    </extension>
  </complexContent>
</complexType

<element name="BS02" type="ndl10n:BS02Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="BS02Type">
  <complexContent>
    <extension base="ndl10n:NenDialy10NType">
      <sequence>
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            <element name="DIC" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="point" type="gml:PointPropertyType" />
            <element name="surface" type="gml:SurfacePropertyType" />

        </sequence>
    </extension>
  </complexContent>
</complexType


<element name="BV02" type="ndl10n:BV02Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="BV02Type">
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      <sequence>
            <element name="MDT" type= "string" minOccurs="1"  maxOccurs="1" />
            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="DIC" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="point" type="gml:PointPropertyType" />
            <element name="surface" type="gml:SurfacePropertyType" />

        </sequence>
    </extension>
  </complexContent>
</complexType
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<element name="BV03" type="ndl10n:BV03Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="BV03Type">
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            <element name="MDT" type= "string" minOccurs="1"  maxOccurs="1" />
            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="DIC" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="point" type="gml:PointPropertyType" />
            <element name="surface" type="gml:SurfacePropertyType" />

        </sequence>
    </extension>
  </complexContent>
</complexType

<element name="BV04" type="ndl10n:BV04Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="BV04Type">
  <complexContent>
    <extension base="ndl10n:NenDialy10NType">
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            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="DIC" type= "string" minOccurs="0"  maxOccurs="1" />
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            <element name="surface" type="gml:SurfacePropertyType" />

        </sequence>
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    </extension>
  </complexContent>
</complexType

<element name="BV05" type="ndl10n:BV05Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="BV05Type">
  <complexContent>
    <extension base="ndl10n:NenDialy10NType">
      <sequence>
            <element name="MDT" type= "string" minOccurs="1"  maxOccurs="1" />
            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="DIC" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="point" type="gml:PointPropertyType" />
            <element name="surface" type="gml:SurfacePropertyType" />

        </sequence>
    </extension>
  </complexContent>
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<element name="HI01" type="ndl10n:HI01Type" substitutionGroup="ndl10n:_NenDialy10N" />
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            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="DIC" type= "string" minOccurs="0"  maxOccurs="1" />
```

```
            <element name="point" type="gml:PointPropertyType" />
            <element name="surface" type="gml:SurfacePropertyType" />

        </sequence>
    </extension>
  </complexContent>
</complexType

<element name="CB01" type="ndl10n:CB01Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="CB01Type">
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      <sequence>
            <element name="MDT" type= "string" minOccurs="1"  maxOccurs="1" />
            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="CAO" type="double" minOccurs="1"  maxOccurs="1"/>
            <element name="GEO" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
        </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="CB02" type="ndl10n:CB02Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="CB02Type">
  <complexContent>
    <extension base="ndl10n:NenDialy10NType">
      <sequence>
            <element name="MDT" type= "string" minOccurs="1"  maxOccurs="1" />
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```
            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="CAO" type="double" minOccurs="1"  maxOccurs="1"/>
            <element name="GEO" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
        </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="KB03" type="ndl10n:KB03Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="KB03Type">
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            <element name="LDN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="GEO" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
        </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="IA02" type="ndl10n:IA02Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="IA02Type">
  <complexContent>
    <extension base="ndl10n:NenDialy10NType">
      <sequence>
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            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
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            <element name="LPM" type= "integer" minOccurs="1"  maxOccurs="1" />
            <element name="GEO" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
        </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="IA04" type="ndl10n:IA04Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="IA04Type">
  <complexContent>
    <extension base="ndl10n:NenDialy10NType">
      <sequence>
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            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="LPM" type= "integer" minOccurs="1"  maxOccurs="1" />
            <element name="GEO" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
        </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="IA03" type="ndl10n:IA03Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="IA03Type">
  <complexContent>
    <extension base="ndl10n:NenDialy10NType">
      <sequence>
            <element name="MDT" type= "string" minOccurs="1"  maxOccurs="1" />
            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
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            <element name="LPM" type= "integer" minOccurs="1"  maxOccurs="1" />
            <element name="GEO" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
        </sequence>
    </extension>
  </complexContent>
</complexType>
<element name="IA05" type="ndl10n:IA05Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="IA05Type">
  <complexContent>
    <extension base="ndl10n:NenDialy10NType">
      <sequence>
            <element name="MDT" type= "string" minOccurs="1"  maxOccurs="1" />
            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="LPM" type= "integer" minOccurs="1"  maxOccurs="1" />
            <element name="GEO" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
        </sequence>
    </extension>
  </complexContent>
<element name="IB05" type="ndl10n:IB05Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="IB05Type">
  <complexContent>
    <extension base="ndl10n:NenDialy10NType">
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            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="LPM" type= "integer" minOccurs="1"  maxOccurs="1" />
            <element name="GEO" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
        </sequence>
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    </extension>
  </complexContent>
</complexType>

<element name="IB02" type="ndl10n:IB02Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="IB02Type">
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            <element name="LPM" type= "integer" minOccurs="1"  maxOccurs="1" />
            <element name="GEO" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
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</complexType>


<element name="IB03" type="ndl10n:IB03Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="IB03Type">
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            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="LPM" type= "integer" minOccurs="1"  maxOccurs="1" />
            <element name="GEO" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
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        </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="IB04" type="ndl10n:IB04Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="IB04Type">
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            <element name="LPM" type= "integer" minOccurs="1"  maxOccurs="1" />
            <element name="GEO" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
        </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="IB06" type="ndl10n:IB06Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="IB06Type">
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            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="LPM" type= "integer" minOccurs="1"  maxOccurs="1" />
            <element name="GEO" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
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        </sequence>
    </extension>
  </complexContent>
</complexType>
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<complexType name="IG01Type">
  <complexContent>
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            <element name="TEN" type= "string" minOccurs="0"  maxOccurs="1" />
            <element name="LPM" type= "integer" minOccurs="1"  maxOccurs="1" />
            <element name="GEO" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
        </sequence>
    </extension>
  </complexContent>
</complexType>
    </extension>
  </complexContent>
</complexType>
<element name="KB02" type="ndl10n:KB02Type" substitutionGroup="ndl10n:_NenDialy10N" />
<complexType name="KB02Type">
  <complexContent>
    <extension base="ndl10n:NenDialy10NType">
      <sequence>
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            <element name="LRG" type= "integer" minOccurs="1"  maxOccurs="1" />
            <element name="GEO" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>

        </sequence>
    </extension>
  </complexContent>
</complexType>
```

2. Lược đồ GML đầy đủ

```
<?xml version="1.0" encoding="utf-8"?>
<schema xmlns:ndl10n="http://www.dosm.gov.vn/schemas/ndl10n"
    xmlns:gml="http://www.opengis.net/gml"
    xmlns:xlink="http://www.w3.org/1999/xlink"
    xmlns="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="ndl10n http://www.dosm.gov.vn/schemas/nendl10n.xsd"
    targetNamespace="http://www.dosm.gov.vn/ndl10n"
    elementFormDefault="qualified" version="1.0">
<import schemaLocation="vngmlbase.xsd" namespace="http://www.opengis.net/gml" />
<annotation>
  <documentation xml:lang="vi">
   Dữ liệu nền địa lý tỷ lệ 1:10.000
  </documentation>
</annotation>
<element name="NenDiaLy10NCollection" type="ndl10n:NenDiaLy10NCollectionType"
substitutionGroup="gml:_FeatureCollection"/>
<complexType name="NenDiaLy10NCollectionType">
  <complexContent>
    <extension base="gml:AbstractFeatureCollectionType" />
  </complexContent>
</complexType>

<!-- Đối tượng nền địa lý cơ sở 1:10.000-->

<element name="_NenDiaLy10N" type="ndl10n:NenDiaLy10NType" abstract="true" substitutionGroup="gml:_Feature" />
```

```
<complexType name="NenDiaLy10NType" abstract="true">
  <complexContent>
    <extension base="gml:AbstractFeatureType">
      <sequence>
        <element name="maNhanDang" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="ngayThuNhan" type="date" minOccurs="1"  maxOccurs="1"/>
        <element name="ngayCapNhat" type="date" minOccurs="0"  maxOccurs="unbounded"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="_CoSoDoDac" type="ndl10n:CoSoDoDacType" abstract="true" substitutionGroup="ndl10n:_NenDiaLy10N"
/>
<complexType name="CoSoDoDacType" abstract="true">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="soHieuDiem" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="DiemGocQuocGia" type="ndl10n:DiemGocQuocGiaType" substitutionGroup="ndl10n:_CoSoDoDac" />
<complexType name="DiemGocQuocGiaType">
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```
  <complexContent>
    <extension base="ndl10n:CoSoDoDacType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongDiemGocQuocGiaType" minOccurs="1"  maxOccurs="1" />
      </sequence>
    </extension>
  </complexContent>
</complexType>

<complexType name="DoiTuongDiemGocQuocGiaType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="GA01"/>
      <enumeration value="GA02"/>
      <enumeration value="GA03"/>
      <enumeration value="GA04"/>
      <enumeration value="GA05"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="DiemCoSoQuocGia" type="ndl10n:DiemCoSoQuocGiaType" substitutionGroup="ndl10n:_CoSoDoDac" />
<complexType name="DiemCoSoQuocGiaType">
  <complexContent>
    <extension base="ndl10n:CoSoDoDacType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongDiemCoSoQuocGiaType" minOccurs="1"  maxOccurs="1" />
```

```
      <element name="loaiCapHang" type="ndl10n:LoaiCapHangType" minOccurs="1" maxOccurs="1"/>
      <element name="loaiMoc" type="ndl10n:LoaiMocType" minOccurs="1" maxOccurs="1"/>
    </sequence>
  </extension>
 </complexContent>
</complexType>

<complexType name="DoiTuongDiemCoSoQuocGiaType">
 <simpleContent>
  <restriction base="gml:CodeType">
    <enumeration value="GB01"/>
    <enumeration value="GB02"/>
    <enumeration value="GB03"/>
    <enumeration value="GB04"/>
  </restriction>
 </simpleContent>
</complexType>

<complexType name="LoaiCapHangType">
 <simpleContent>
  <restriction base="gml:CodeType">
    <enumeration value="1"/>
    <enumeration value="2"/>
    <enumeration value="3"/>
    <enumeration value="4"/>
    <enumeration value="5"/>
  </restriction>
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  </simpleContent>
</complexType>

<complexType name="LoaiMocType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="DiemCoSoChuyenDung" type="ndl10n:DiemCoSoChuyenDungType"
substitutionGroup="ndl10n:_CoSoDoDac" />
<complexType name="DiemCoSoChuyenDungType">
  <complexContent>
    <extension base="ndl10n:CoSoDoDacType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongDiemCoSoChuyenDungType" minOccurs="1"  maxOccurs="1" />
        <element name="loaiMoc" type="ndl10n:LoaiMocType" minOccurs="1" maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>

<complexType name="DoiTuongDiemCoSoChuyenDungType">
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  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="GC01"/>
      <enumeration value="GC02"/>
    </restriction>
  </simpleContent>
</complexType>


<element name="MocQuocGioi" type="ndl10n:MocQuocGioiType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="MocQuocGioiType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="soHieuMoc" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="toaDoX" type="double" minOccurs="1"  maxOccurs="1"/>
        <element name="toaDoY" type="double" minOccurs="1"  maxOccurs="1"/>
        <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
    </restriction>
  </simpleContent>
</complexType>
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<element name="DuongBienGioi" type="ndl10n:DuongBienGioiType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DuongBienGioiType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" "ndl10n:DoiTuongDuongBienGioiType" minOccurs="1"  maxOccurs="1" />
        <element name="loaiHienTrangPhapLy" type="ndl10n:LoaiHienTrangPhapLyType" minOccurs="1" maxOccurs="1"/>
        <element name="quocGiaLienKe" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="chieuDai" type="double" minOccurs="1"  maxOccurs="1"/>
        <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongDuongBienGioiType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="AA01"/>
      <enumeration value="AA02"/>
     </restriction>
  </simpleContent>
</complexType>

<complexType name="LoaiHienTrangPhapLyType">
  <simpleContent>
    <restriction base="gml:CodeType">
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      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="DiaPhan" type="ndl10n:DiaPhanType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DiaPhanType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongDiaPhanType" minOccurs="1"  maxOccurs="1" />
        <element name="maDonViHanhChinh" type="string" minOccurs="1" maxOccurs="1"/>
        <element name="“ten”" type="string" minOccurs="1"  maxOccurs="1"/>
        <element name="dienTich" type="double" minOccurs="1"  maxOccurs="1"/>
        <element name="geo" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongDiaPhanType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="AD01"/>
      <enumeration value="AD02"/>
      <enumeration value="AD03"/>
    </restriction>
```

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  </simpleContent>
</complexType>


<element name="DuongDiaGioi" type="ndl10n:DuongDiaGioiType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DuongDiaGioiType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongDuongDiaGioiType" minOccurs="1"  maxOccurs="1" />
        <element name="loaiHienTrangPhapLy" type="ndl10n:LoaiHienTrangPhapLyType" minOccurs="1" maxOccurs="1"/>
        <element name="donViHanhChinhLienKeTrai" type= "string" minOccurs="0"  maxOccurs="1" />
        <element name="donViHanhChinhLienKePhai" type= "string" minOccurs="0"  maxOccurs="1" />
        <element name="chieuDai" type="double" minOccurs="1"  maxOccurs="1"/>
        <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongDuongDiaGioiType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="AC01"/>
      <enumeration value="AC02"/>
      <enumeration value="AC03"/>
    </restriction>
  </simpleContent>
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</complexType>


<element name="MocDiaGioi" type="ndl10n:MocDiaGioiType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="MocDiaGioiType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongMocDiaGioiType" minOccurs="1"  maxOccurs="1" />
        <element name="soHieuMoc" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="toaDoX" type="double" minOccurs="1"  maxOccurs="1"/>
        <element name="toaDoY" type="double" minOccurs="1"  maxOccurs="1"/>
        <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongMocDiaGioiType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="AG03"/>
      <enumeration value="AG04"/>
      <enumeration value="AG05"/>
    </restriction>
  </simpleContent>
</complexType>
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<element name="DuongCoSoLanhHai" type="ndl10n:DuongCoSoLanhHaiType" substitutionGroup="ndl10n:_NenDiaLy10N"
/>
<complexType name="DuongCoSoLanhHaiType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="chieuDai" type="double" minOccurs="1" maxOccurs="1"/>
        <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>


<element name="DiemCoSoLanhHai" type="ndl10n:DiemCoSoLanhHaiType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DiemCoSoLanhHaiType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="soHieuMoc" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="KinhDo" type="double" minOccurs="1"  maxOccurs="1"/>
        <element name="ViDo" type="double" minOccurs="1"  maxOccurs="1"/>
        <element name="doCaoH" type="double" minOccurs="1" maxOccurs="1"/>
        <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
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    </extension>
  </complexContent>
</complexType>

<element name="VungBien" type="ndl10n:VungBienType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="VungBienType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongDuongDiaGioiType" minOccurs="1"  maxOccurs="1" />
        <element name="dienTich" type="double" minOccurs="1"  maxOccurs="1"/>
        <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongVungBienType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="AE01"/>
      <enumeration value="AE02"/>
      <enumeration value="AE03"/>
      <enumeration value="AE06"/>
    </restriction>
  </simpleContent>
</complexType>
<element name="DiaDanhSonVan" type="ndl10n:DiaDanhSonVanType" substitutionGroup="ndl10n:_NenDiaLy10N" />
```

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<complexType name="DiaDanhSonVanType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiDoiTuongSonVan" type="ndl10n:LoaiDoiTuongSonVanType" minOccurs="1"  maxOccurs="1" />
        <element name="“ten”" type="string" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiDoiTuongSonVanType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="4"/>
      <enumeration value="15"/>
      <enumeration value="29"/>
      <enumeration value="35"/>
      <enumeration value="59"/>
      <enumeration value="70"/>
      <enumeration value="89"/>
      <enumeration value="110"/>
      <enumeration value="111"/>
    </restriction>
  </simpleContent>
</complexType>
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<element name="DiemDoCao" type="ndl10n:DiemDoCaoType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DiemDoCaoType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="doCaoH" type="double" minOccurs="1"  maxOccurs="1" />
        <element name="loaiDiemDoCao" type="ndl10n:LoaiDiemDoCaoType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiDiemDoCaoType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="DiemDoSau" type="ndl10n:DiemDoSauType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DiemDoSauType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
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```
    <sequence>
      <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
      <element name="doSauH" type="double" minOccurs="1"  maxOccurs="1" />
      <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
    </sequence>
  </extension>
 </complexContent>
</complexType>

element name="DuongBinhDo" type="ndl10n:DuongBinhDoType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DuongBinhDoType">
 <complexContent>
  <extension base="ndl10n:NenDiaLy10NType">
    <sequence>
      <element name="maDoiTuong" type= "ndl10n:DuongBinhDoType" minOccurs="1"  maxOccurs="1" />
      <element name="loaiDuongBinhDo" type="ndl10n:LoaiDuongBinhDoType" minOccurs="1"  maxOccurs="1" />
      <element name="loaiKhongCaoDeu" type="ndl10n:LoaiKhongCaoDeuType" minOccurs="1"  maxOccurs="1" />
      <element name="doCaoH" type="double" minOccurs="1"  maxOccurs="1" />
      <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
    </sequence>
  </extension>
 </complexContent>
</complexType>
<complexType name="DoiTuongDuongBinhDoType">
        <simpleContent>
                <restriction base="gml:CodeType">
            <enumeration value="EA03"/>
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            <enumeration value="EA04"/>
          </restriction>
        </simpleContent>
</complexType>
<complexType name="LoaiDuongBinhDoType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
      <enumeration value="4"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiKhongCaoDeuType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
      <enumeration value="4"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="DiaHinhDacBiet" type="ndl10n:DiaHinhDacBietType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DiaHinhDacBietType">
```

```
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongDiaHinhDacBietType" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type="string" minOccurs="0"  maxOccurs="1" />
        <element name="tyCaoTySau" type="double" minOccurs="0"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianDiaHinhDacBietType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongDiaHinhDacBietType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="EB01"/>
      <enumeration value="EB02"/>
      <enumeration value="EB03"/>
      <enumeration value="EB04"/>
      <enumeration value="EB05"/>
      <enumeration value="EB06"/>
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      <enumeration value="EB09"/>
      <enumeration value="EB10"/>
      <enumeration value="EB11"/>
      <enumeration value="EB12"/>
      <enumeration value="EB13"/>
```

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      <enumeration value="EB14"/>
      <enumeration value="EB15"/>
      <enumeration value="EB17"/>
      <enumeration value="EB18"/>
      <enumeration value="EB20"/>
      <enumeration value="EB21"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiMoTaKhongGianDiaHinhDacBietType">
  <sequence>
    <element name="point" type="gml:PointPropertyType" />
    <element name="curve" type="gml:CurvePropertyType" />
    <element name="surface" type="gml:SurfacePropertyType" />
  </sequence>
</complexType>

<element name="Bien" type="ndl10n:BienType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="BienType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongBienType" minOccurs="1"  maxOccurs="1" />
        <element name="“ten” type="string" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianBienDaoType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
```

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  </complexContent>
</complexType>
<complexType name="DoiTuongBienType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="LC03"/>
      <enumeration value="LC06"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiMoTaKhongGianBienDaoType">
  <sequence>
    <element name="point" type="gml:PointPropertyType" />
    <element name="surface" type="gml:SurfacePropertyType" />
  </sequence>
</complexType>

<element name="Dao" type="ndl10n:DaoType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DaoType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="“ten” type="string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiTrangThaiXuatLo" type= "ndl10n:LoaiTrangThaiXuatLoType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianBienDaoType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
```

```
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiTrangThaiXuatLoType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="NguonNuoc" type="ndl10n:NguonNuocType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="NguonNuocType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongNguonNuocType" minOccurs="1"  maxOccurs="1" />
        <element name="loaiNguonNuoc" type="ndl10n:LoaiNguonNuocType" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type="string" minOccurs="0"  maxOccurs="1" />
        <element name="geo" type="gml:PointPropertyType"  minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongNguonNuocType">
```

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  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="LA03"/>
      <enumeration value="LA05"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiNguonNuocType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
    </restriction>
  </simpleContent>
</complexType>


<element name="BienDoiDongChay" type="ndl10n:BienDoiDongChayType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="BienDoiDongChayType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongBienDoiDongChayType" minOccurs="1"  maxOccurs="1" />
          <element name=“ten” type="string" minOccurs="1"  maxOccurs="1" />
          <element name="chieuDai" type="string" minOccurs="0"  maxOccurs="1" />
        <element name="tyCaoTySau" type="double" minOccurs="0"  maxOccurs="1" />
```

```
      <element name="loaiTrangThaiXuatLo" type="ndl10n:LoaiTrangThaiXuatLoType" minOccurs="1"  maxOccurs="1" />
      <element name="geo" type="ndl10n:LoaiMoTaKhongGianBienDoiDongChayType" minOccurs="1"  maxOccurs="1"/>
    </sequence>
  </extension>
 </complexContent>
</complexType>
<complexType name="DoiTuongBienDoiDongChayType">
 <simpleContent>
  <restriction base="gml:CodeType">
   <enumeration value="LC01"/>
   <enumeration value="LD02"/>
   <enumeration value="LD03"/>
  </restriction>
 </simpleContent>
</complexType>
<complexType name="LoaiMoTaKhongGianBienDoiDongChayType">
 <sequence>
  <element name="point" type="gml:PointPropertyType" />
  <element name="curve" type="gml:CurvePropertyType" />
  <element name="surface" type="gml:SurfacePropertyType" />
 </sequence>
</complexType>

<element name="BaiBoi" type="ndl10n:BaiBoiType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="BaiBoiType">
 <complexContent>
  <extension base="ndl10n:NenDiaLy10NType">
```

```
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
         <element name="ten" type="string" minOccurs="0"  maxOccurs="1" />
        <element name="loaiBaiBoi" type="ndl10n:LoaiBaiBoiType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianBaiBoiType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name=" loaiBaiBoiType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="-1"/>
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
      <enumeration value="4"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name=" LoaiMoTaKhongGianBaiBoiType ">
  <sequence>
    <element name="point" type="gml:PointPropertyType" />
    <element name="surface" type="gml:SurfacePropertyType" />
  </sequence>
</complexType>
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<element name="_NuocMat" type="ndl10n:NuocMatType" abstract="true" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="NuocMatType" abstract="true">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
    </extension>
  </complexContent>
</complexType>

<element name="MatNuocTinh" type="ndl10n:MatNuocTinhType" substitutionGroup="ndl10n:_NuocMat" />
<complexType name="MatNuocTinhType">
  <complexContent>
    <extension base="ndl10n:NuocMatType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongNuocMatTinhType" minOccurs="1"  maxOccurs="1" />
          <element nametype="ten" ="ndl10n:DoiTuongNuocMatTinhType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongNuocMatTinhType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="LB01"/>
      <enumeration value="LB02"/>
      <enumeration value="LB03"/>
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    </restriction>
  </simpleContent>
</complexType>

<element name="SongSuoi" type="ndl10n:SongSuoiType" substitutionGroup="ndl10n:_NuocMat" />
<complexType name="SongSuoiType">
  <complexContent>
    <extension base="ndl10n:NuocMatType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiTrangThaiNuocMat" type="ndl10n:LoaiTrangThaiNuocMatType" minOccurs="1"  maxOccurs="1"/>
        <element nametype="ten" ="string" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianDongChayMatType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiTrangThaiNuocMatType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiMoTaKhongGianDongChayMatType">
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  <sequence>
    <element name="curve" type="gml:CurvePropertyType" />
    <element name="surface" type="gml:SurfacePropertyType" />
  </sequence>
</complexType>

<element name="KenhMuong" type="ndl10n:KenhMuongType" substitutionGroup="ndl10n:_NuocMat" />
<complexType name="KenhMuongType">
  <complexContent>
    <extension base="ndl10n:NuocMatType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element nametype="ten" ="string" minOccurs="1"  maxOccurs="1" />
          <element name="LoaiHienTrangSuDung" type="string" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianDongChayMatType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiHienTrangSuDungType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
</complexType>
```

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<complexType name="LoaiMoTaKhongGianKenhMuongType">
  <sequence>
    <element name="curve" type="gml:CurvePropertyType" />
    <element name="surface" type="gml:SurfacePropertyType" />
  </sequence>
</complexType>


<element name="_RanhGioiNuocMat" type="ndl10n:RanhGioiNuocMatType" abstract="true"
substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="RanhGioiNuocMatType" abstract="true">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiRanhGioiNuocMatQuyUoc" type="ndl10n:LoaiRanhGioiNuocMatQuyUocType" minOccurs="1"
maxOccurs="1"/>
        <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiRanhGioiNuocMatQuyUocType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
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    <enumeration value="3"/>
    <enumeration value="4"/>
    <enumeration value="5"/>
    <enumeration value="6"/>
   </restriction>
  </simpleContent>
</complexType>

<element name="DuongBoNuoc" type="ndl10n:DuongBoNuocType" substitutionGroup="ndl10n:_RanhGioiNuocMat" />
<complexType name="DuongBoNuocType">
  <complexContent>
   <extension base="ndl10n:RanhGioiNuocMatType">
    <sequence>
     <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
     <element name="loaiTrangThaiDuongBoNuoc" type="ndl10n:LoaiTrangThaiDuongBoNuocType" minOccurs="1"
maxOccurs="1" />
      <element name="loaiRanhGioiNuocMat" type="ndl10n:LoaiRanhGioiNuocMatType" minOccurs="1"  maxOccurs="1" />
      <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
    </sequence>
   </extension>
  </complexContent>
</complexType>
<complexType name="LoaiTrangThaiDuongBoNuocType">
  <simpleContent>
   <restriction base="gml:CodeType">
    <enumeration value="1"/>
    <enumeration value="2"/>
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    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiRanhGioiNuocMatType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
      <enumeration value="4"/>
      <enumeration value="5"/>
      <enumeration value="6"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="DuongMepNuoc" type="ndl10n:DuongMepNuocType" substitutionGroup="ndl10n:_RanhGioiNuocMat" />
<complexType name="DuongMepNuocType">
  <complexContent>
    <extension base="ndl10n:RanhGioiNuocMatType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
          <element name="loaiRanhGioiNuocMat" type="ndl10n:LoaiRanhGioiNuocMatType" minOccurs="1"  maxOccurs="1" />
          <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
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</complexType>
<complexType name="LoaiRanhGioiNuocMatType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
      <enumeration value="4"/>
      <enumeration value="5"/>
      <enumeration value="6"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="RanhGioiNuocMatQuyUoc" type="ndl10n:RanhGioiNuocMatQuyUocType"
substitutionGroup="ndl10n:_RanhGioiNuocMat" />
<complexType name="RanhGioiNuocMatQuyUocType">
  <complexContent>
    <extension base="ndl10n:RanhGioiNuocMatType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiRanhGioiNuocMatQuyUoc" type="ndl10n:LoaiRanhGioiNuocMatQuyUocType" minOccurs="1"
maxOccurs="1" />
          <element name="ten" type= "string" minOccurs="1"  maxOccurs="1" />
          <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
```

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  </complexContent>
</complexType>
<complexType name="LoaiRanhGioiNuocMatQuyUocType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="De" type="ndl10n:DeType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DeType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
         <element nametype="ten" = "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiDe" type= "ndl10n:LoaiDeType" minOccurs="1"  maxOccurs="1" />
        <element name="dungLamGiaoThong" type= "boolean" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianDeDapType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiDeType">
  <simpleContent>
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    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
      <enumeration value="4"/>
      <enumeration value="5"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiMoTaKhongGianDeDapType">
  <sequence>
    <element name="curve" type="gml:CurvePropertyType" />
    <element name="surface" type="gml:SurfacePropertyType" />
  </sequence>
</complexType>

<element name="Dap" type="ndl10n:DapType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DapType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="danhTuChung" type="string" minOccurs="1"  maxOccurs="1" />
        <element nametype="ten" = "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiDap" type= "ndl10n:LoaiDapType" minOccurs="1"  maxOccurs="1" />
        <element name="dungLamGiaoThong" type= "boolean" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianDeDapType" minOccurs="1"  maxOccurs="1"/>
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      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiDapType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="BoKeBoCap " type="ndl10n:BoKeBoCapType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="BoKeBoCapType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
         <element name="geo" type="surface" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="CongThuyLoi" type="ndl10n:CongThuyLoiType" substitutionGroup="ndl10n:_NenDiaLy10N" />
```

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<complexType name="CongThuyLoiType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
        <element name="loaiCongThuyLoi" type= "ndl10n:LoaiCongThuyLoiType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianCongType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiCongThuyLoiType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiMoTaKhongGianCongType">
  <sequence>
    <element name="point" type="gml:PointPropertyType" />
    <element name="curve" type="gml:CurvePropertyType" />
    </sequence>
</complexType>
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<element name="CongTrinhTrenDe" type="ndl10n:CongTrinhTrenDeType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="CongTrinhTrenDeType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongCongTrinhTrenDeType" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianCongTrinhTrenDeType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiMoTaKhongGianCongTrinhTrenDeType">
  <sequence>
    <element name="point" type="gml:PointPropertyType" />
    <element name="curve" type="gml:CurvePropertyType" />
  </sequence>
</complexType>
<complexType name="DoiTuongCongTrinhTrenDeType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="LE06"/>
      <enumeration value="LE02"/>
    </restriction>
  </simpleContent>
</complexType>
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<element name="MatBoKenhMuong" type="ndl10n:MatBoKenhMuongType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="MatBoKenhMuongType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="dungLamGiaoThong" type= "boolean" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="TaLuyCongTrinhThuyLoi" type="ndl10n:TaLuyCongTrinhThuyLoiType"
substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="TaLuyCongTrinhThuyLoiType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiTaLuyThuyLoi" type= "ndl10n:LoaiTaLuyThuyLoiType" minOccurs="1"  maxOccurs="1" />
        <element name="loaiHinhThaiTaLuy" type= "ndl10n:LoaiHinhThaiTaLuyType" minOccurs="1"  maxOccurs="1" />
        <element name="loaiThanhPhanTaLuy" type= "ndl10n:LoaiThanhPhanTaLuyType" minOccurs="1"  maxOccurs="1" />
        <element name="tyCaoTySau" type= "double" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
```

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  </complexContent>
</complexType>
<complexType name="LoaiTaLuyThuyLoiType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
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      <enumeration value="4"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiHinhThaiTaLuyType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiThanhPhanTaLuyType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
```

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</complexType>

<element name="MangDanNuoc" type="ndl10n:MangDanNuocType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="MangDanNuocType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiMangDanNuoc" type= "ndl10n:LoaiMangDanNuocType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianMangNuocType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiMangDanNuocType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiMoTaKhongGianMangNuocType">
  <sequence>
    <element name="curve" type="gml:CurvePropertyType" />
  </sequence>
</complexType>
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<element name="TramBom" type="ndl10n:TramBomType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="TramBomType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
        <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="DamLay" type="ndl10n:DamLayType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DamLayType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
        <element name="geo" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
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<element name="NutDuongSat" type="ndl10n:NutDuongSatType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="NutDuongSatType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="DoanDuongSat" type="ndl10n:DoanDuongSatType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DoanDuongSatType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiDuongSat" type= "ndl10n:LoaiDuongSatType" minOccurs="1"  maxOccurs="1" />
     <element name="loaiChucNangDuongSat" type= "ndl10n:LoaiChucNangDuongSatType" minOccurs="1"  maxOccurs="1" />
       <element name="loaiHienTrangSuDung" type= "ndl10n:LoaiHienTrangDuongSatType" minOccurs="1"  maxOccurs="1" />
        <element name="loaiKhoDuongSat" type= "ndl10n:LoaiKhoDuongSatType" minOccurs="1"  maxOccurs="1" />
        <element name="loaiKetCauDuongSat" type= "ndl10n:LoaiKetCauDuongSatType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
```

```
  </complexContent>
</complexType>

<complexType name="LoaiDuongSatType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiChucNangDuongSatType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiHienTrangDuongSatType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
    </restriction>
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  </simpleContent>
</complexType>
<complexType name="LoaiKhoDuongSatType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
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      <enumeration value="3"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiKetCauDuongSatType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
      <enumeration value="4"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="CauGiaoThong" type="ndl10n:CauGiaoThongType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="CauGiaoThongType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
```

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      <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
      <element name="ten" type= "string" minOccurs="1"  maxOccurs="1" />
       <element name="loaiCauGiaoThong" type= "ndl10n:LoaiCauGiaoThongType" minOccurs="1"  maxOccurs="1" />
      <element name="loaiChucNangCau" type= "ndl10n:LoaiChucNangCauType" minOccurs="1"  maxOccurs="1" />
      <element name="taiTrong" type= "double" minOccurs="0"  maxOccurs="1" />
      <element name="chieuRong" type= "double" minOccurs="1"  maxOccurs="1" />
      <element name="chieuDai" type= "double" minOccurs="1"  maxOccurs="1" />
       <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
    </sequence>
   </extension>
  </complexContent>
</complexType>

<complexType name="LoaiCauGiaoThongType">
  <simpleContent>
   <restriction base="gml:CodeType">
    <enumeration value="1"/>
    <enumeration value="2"/>
    <enumeration value="3"/>
    <enumeration value="4"/>
    <enumeration value="5"/>
    <enumeration value="6"/>
   </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiChucNangCauType">
  <simpleContent>
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```
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
      <enumeration value="4"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="HamGiaoThong" type="ndl10n:HamGiaoThongType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="HamGiaoThongType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiHamGiaoThong" type= "ndl10n:LoaiHamGiaoThongType" minOccurs="1"  maxOccurs="1" />
        <element name="chieuDai" type= "double" minOccurs="1"  maxOccurs="1" />
        <element name="chieuCao" type= "double" minOccurs="1"  maxOccurs="1" />
        <element name="chieuRong" type= "double" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:CurveType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
  <complexType name="LoaiHamGiaoThongType">
  <simpleContent>
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```
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="3"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="DuongNoiBo" type="ndl10n:DuongNoiBoType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DuongNoiBoType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiChatLieuTraiMat" type= "ndl10n:LoaiChatLieuTraiMatType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianDuongNoiBoType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiChatLieuTraiMatType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="-1"/>
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
      <enumeration value="4"/>
```

```
      <enumeration value="5"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiMoTaKhongGianDuongNoiBoType">
  <sequence>
    <element name="curve" type="gml:CurvePropertyType" />
    <element name="surface" type="gml:SurfacePropertyType" />
  </sequence>
</complexType>

<element name="BenBai" type="ndl10n:BenBaiType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="BenBaiType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongBenBaiType" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
          <element name="geo" type="gml:Point" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongBenBaiType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="HA01"/>
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      <enumeration value="HA02"/>
      <enumeration value="HA03"/>
      <enumeration value="HA14"/>
      <enumeration value="HB02"/>
      <enumeration value="HC01"/>
      <enumeration value="HC02"/>
      <enumeration value="HC03"/>
      <enumeration value="HC04"/>
      <enumeration value="HD01"/>
      <enumeration value="HE02"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="DuongCaoTreo" type="ndl10n:DuongCaoTreoType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DuongCaoTreoType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
        <element name="chieuDai" type= "double" minOccurs="0"  maxOccurs="1" />
        <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
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<element name="BaoHieuGiaoThong" type="ndl10n:BaoHieuGiaoThongType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="BaoHieuGiaoThongType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongBaoHieuGiaoThongType" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
      <element name="loaiBaoHieuGiaoThong" type= "ndl10n:LoaiBaoHieuGiaoThongType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongBaoHieuGiaoThongType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="HGO7"/>
      <enumeration value="HG08"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiBaoHieuGiaoThongType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="3"/>
      <enumeration value="4"/>
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```
    </restriction>
  </simpleContent>
</complexType>

<element name="TaLuyGiaoThong" type="ndl10n:TaLuyGiaoThongType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="TaLuyGiaoThongType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiTaLuyGiaoThong" type= "ndl10n:LoaiTaLuyGiaoThongType" minOccurs="1"  maxOccurs="1" />
        <element name="loaiHinhThaiTaLuy" type= "ndl10n:LoaiHinhThaiTaLuyType" minOccurs="1"  maxOccurs="1" />
        <element name="loaiThanhPhanTaLuy" type= "ndl10n:LoaiThanhPhanTaLuyType" minOccurs="1"  maxOccurs="1" />
        <element name="tyCaoTySau" type= "double" minOccurs="0"  maxOccurs="1" />
        <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiTaLuyGiaoThongType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
</complexType>
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<element name="MatDuongBo" type="ndl10n:MatDuongBoType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="MatDuongBoType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongMatDuongBoType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>

<complexType name="DoiTuongMatDuongBoType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="HA04"/>
      <enumeration value="HA05"/>
      <enumeration value="HA09"/>
      <enumeration value="HA22"/>
      <enumeration value="HA23"/>

    </restriction>
  </simpleContent>
</complexType>
<element name="RanhGioiDuongBo" type="ndl10n:RanhGioiDuongBoType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="RanhGioiDuongBoType">
```

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  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongRanhGioiDuongBoType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongRanhGioiDuongBoType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="HA08"/>
      <enumeration value="HA15"/>
      <enumeration value="HA21"/>
    </restriction>
  </simpleContent>
</complexType>
<element name="HamDiBo" type="ndl10n:HamDiBoType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="HamDiBoType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="point" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
```

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  </complexContent>
</complexType>

<element name="CongGiaoThong" type="ndl10n:CongGiaoThongType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="CongGiaoThongType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
        <element name="loaiCongGiaoThong" type= "ndl10n:LoaiCongGiaoThongType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiCongGiaoThongType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="CauDiBo" type="ndl10n:CauDiBoType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="CauDiBoType">
```

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  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="DoanVuotSongSuoi" type="ndl10n:DoanVuotSongSuoiType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DoanVuotSongSuoiType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongDoanVuotSongSuoiType" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
        <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongDoanVuotSongSuoiType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="HA16"/>
      <enumeration value="HA17"/>
```

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      <enumeration value="HA18"/>
      <enumeration value="HA19"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="NutMangDuongBo" type="ndl10n:NutMangDuongBoType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="NutMangDuongBoType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="DoanTimDuongBo" type="ndl10n:DoanTimDuongBoType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DoanTimDuongBoType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiDuongBo" type= "ndl10n:LoaiDuongBoType" minOccurs="1"  maxOccurs="1" />
        <element name="loaiChatLieuTraiMat" type= "ndl10n:LoaiChatLieuTraiMatType" minOccurs="1"  maxOccurs="1" />
        <element name="loaiHienTrangSuDung" type= "ndl10n:LoaiHienTrangSuDungType" minOccurs="1"  maxOccurs="1" />
```

```
      <element name="loaiKetCau" type= "ndl10n:LoaiKetCauType" minOccurs="1"  maxOccurs="1" />
      <element name="doRong" type= "double" minOccurs="1"  maxOccurs="1" />
      <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
      <element name="tenTuyen1" type= "string" minOccurs="0"  maxOccurs="1" />
      <element name="tenTuyen2" type= "string" minOccurs="0"  maxOccurs="1" />
      <element name="tenTuyen3" type= "string" minOccurs="0"  maxOccurs="1" />
      <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
    </sequence>
  </extension>
 </complexContent>
</complexType>

<complexType name="LoaiDuongBoType">
 <simpleContent>
  <restriction base="gml:CodeType">
    <enumeration value="1"/>
    <enumeration value="3"/>
    <enumeration value="4"/>
    <enumeration value="5"/>
    <enumeration value="6"/>
    <enumeration value="7"/>
    <enumeration value="9"/>
  </restriction>
 </simpleContent>
</complexType>
<complexType name="LoaiHienTrangSuDungType">
 <simpleContent>
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```
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiKetCauType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
      <enumeration value="4"/>
      <enumeration value="5"/>
      <enumeration value="6"/>
      <enumeration value="7"/>
      <enumeration value="8"/>
      <enumeration value="9"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="Deo" type="ndl10n:DeoType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DeoType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
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      <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
      <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
        <element name="chieuDai" type= "string" minOccurs="0"  maxOccurs="1" />
      <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
    </sequence>
  </extension>
 </complexContent>
</complexType>
</schema>

<element name="RanhGioiKhuChucNang" type="ndl10n:RanhGioiKhuChucNangType"
substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="RanhGioiKhuChucNangType">
 <complexContent>
  <extension base="ndl10n:NenDiaLy10NType">
   <sequence>
    <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
  <element name="loaiDoiTuongNhanDang" type= "ndl10n:LoaiDoiTuongNhanDangType" minOccurs="1"  maxOccurs="1" />
    <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
   </sequence>
  </extension>
 </complexContent>
</complexType>
<complexType name="LoaiDoiTuongNhanDangType">
 <simpleContent>
  <restriction base="gml:CodeType">
   <enumeration value="1"/>
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```
      <enumeration value="2"/>
      <enumeration value="3"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="KhuChucNang" type="ndl10n:Khu ChucNangType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name=" KhuChucNangType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongKhuChucNangType" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="diaChi" type= "string" minOccurs="0"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianKhuChucNangType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongKhuChucNangType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="BD02"/>
      <enumeration value="BD03"/>
      <enumeration value="BD04"/>
      <enumeration value="BE02"/>
      <enumeration value="BE03"/>
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<enumeration value="BE04"/>
<enumeration value="BE05"/>
<enumeration value="BE06"/>
<enumeration value="BE07"/>
<enumeration value="BE09"/>
<enumeration value="BE10"/>
<enumeration value="BG02"/>
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<enumeration value="BK02"/>
<enumeration value="BK03"/>
<enumeration value="BL02"/>
<enumeration value="BL03"/>
<enumeration value="BL04"/>
```

```
<enumeration value="BL05"/>
<enumeration value="BL06"/>
<enumeration value="BL07"/>
<enumeration value="BL08"/>
<enumeration value="BL09"/>
<enumeration value="BL11"/>
<enumeration value="BL12"/>
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<enumeration value="BP04"/>
<enumeration value="BO03"/>
<enumeration value="BO04"/>
<enumeration value="BO05"/>
<enumeration value="BQ04"/>
```

```
      <enumeration value="BQ08"/>
      <enumeration value="BQ09"/>
      <enumeration value="BQ10"/>
      <enumeration value="BQ11"/>
      <enumeration value="BQ13"/>
      <enumeration value="BQ15"/>
      <enumeration value="BT01"/>
      <enumeration value="BT02"/>
      <enumeration value="BR02"/>
      <enumeration value="BR03"/>
      <enumeration value="BR04"/>
      <enumeration value="BR05"/>
      <enumeration value="BS01"/>
      <enumeration value="BS02"/>
      <enumeration value="BV02"/>
      <enumeration value="BV03"/>
      <enumeration value="BV04"/>
      <enumeration value="BV05"/>
      <enumeration value="HI01"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiMoTaKhongGianKhuChucNangType">
  <sequence>
    <element name="point" type="gml:PointPropertyType" />
    <element name="surface" type="gml:SurfacePropertyType" />
  </sequence>
```

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</complexType>

<element name="Nha" type="ndl10n:NhaType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="NhaType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongNhaType" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
        <element name="chieuCao" type="double" minOccurs="1"  maxOccurs="1"/>
        <element name="geo" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongNhaType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="CB02"/>
      <enumeration value="CB01"/>
    </restriction>
  </simpleContent>
</complexType>
<element name="CongTrinhKienTrucDacBiet" type="ndl10n:CongTrinhKienTrucDacBietType"
substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="CongTrinhKienTrucDacBietType">
  <complexContent>
```

```
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "ndl10n:DoiTuongCongTrinhKienTrucType" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
        <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongCongTrinhKienTrucType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="BQ03"/>
      <enumeration value="BQ05"/>
      <enumeration value="BQ12"/>
      <enumeration value="BQ14"/>
    </restriction>
  </simpleContent>
</complexType>

<element name="TramThuPhatSong" type="ndl10n:TramThuPhatSongType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="TramThuPhatSongType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="point" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
```

```
    </sequence>
   </extension>
  </complexContent>
</complexType>

<element name="TramQuanTrac" type="ndl10n:TramQuanTracType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="TramQuanTracType">
  <complexContent>
   <extension base="ndl10n:NenDiaLy10NType">
    <sequence>
     <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
     <element name="loaiTramQuanTrac" type= "ndl10n:LoaiTramQuanTracType" minOccurs="1"  maxOccurs="1" />
     <element name="geo" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
    </sequence>
   </extension>
  </complexContent>
</complexType>
<complexType name="LoaiTramQuanTracType">
  <simpleContent>
   <restriction base="gml:CodeType">
    <enumeration value="1"/>
    <enumeration value="2"/>
    <enumeration value="3"/>
    <enumeration value="4"/>
   </restriction>
  </simpleContent>
</complexType>
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```
<element name="ThapNuocBeNuoc" type="ndl10n:ThapNuocBeNuocType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="ThapNuocBeNuocType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="point" type="gml:PointPropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="TramDien" type="ndl10n:TramDienType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="TramDienType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiViTriTramDien" type= "ndl10n:LoaiViTriTramDienType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="ndl10n:LoaiMoTaKhongGianTramDienType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiViTriTramDienType">
  <simpleContent>
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    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiMoTaKhongGianTramDienType">
  <sequence>
    <element name="point" type="gml:PointPropertyType" />
    <element name="surface" type="gml:SurfacePropertyType" />
  </sequence>
</complexType>
<element name="DuongDayTaiDien" type="ndl10n:DuongDayTaiDienType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DuongDayTaiDienType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="dienAp" type= "double" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>

<element name="DiemDanCu" type="ndl10n:DiemDanCuType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="DiemDanCuType">
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  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
        <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="ten" type= "string" minOccurs="1"  maxOccurs="1" />
        <element name=“ten” type= "string" minOccurs="1"  maxOccurs="1" />
        <element name="loaiDiemDanCu" type= "ndl10n:LoaiDiemDanCuType" minOccurs="1"  maxOccurs="1" />
        <element name="geo" type="gml:PointType" minOccurs="1"  maxOccurs="1"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="LoaiDiemDanCuType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
    </restriction>
  </simpleContent>
</complexType>


<element name="RanhGioiPhuBeMat" type="ndl10n:RanhGioiPhuBeMatType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="RanhGioiPhuBeMatType">
  <complexContent>
    <extension base="ndl10n:NenDiaLy10NType">
      <sequence>
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      <element name="maDoiTuong" type= "string" minOccurs="1"  maxOccurs="1" />
      <element name="loaiRanhGioiPhuBeMat" type= "ndl10n:LoaiRanhGioiPhuBeMatType" minOccurs="1"  maxOccurs="1"
/>
      <element name="geo" type="gml:CurvePropertyType" minOccurs="1"  maxOccurs="1"/>
    </sequence>
   </extension>
  </complexContent>
</complexType>
<complexType name="LoaiRanhGioiPhuBeMatType">
  <simpleContent>
   <restriction base="gml:CodeType">
    <enumeration value="1"/>
    <enumeration value="2"/>
   </restriction>
  </simpleContent>
</complexType>

<element name="PhuBeMat" type="ndl10n:PhuBeMatType" substitutionGroup="ndl10n:_NenDiaLy10N" />
<complexType name="PhuBeMatType">
  <complexContent>
   <extension base="ndl10n:NenDiaLy10NType">
    <sequence>
      <element name="maDoiTuong" type= "ndl10n:DoiTuongPhuBeMatType" minOccurs="1"  maxOccurs="1" />
      <element name="ten" type= "string" minOccurs="0"  maxOccurs="1" />
      <element name="loaiPhuBeMat" type= "ndl10n:LoaiPhuBeMatType" minOccurs="1"  maxOccurs="1" />
      <element name="geo" type="gml:SurfacePropertyType" minOccurs="1"  maxOccurs="1"/>
    </sequence>
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    </extension>
  </complexContent>
</complexType>
<complexType name="DoiTuongPhuBeMatType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="IA02"/>
      <enumeration value="IA03"/>
      <enumeration value="IA04"/>
      <enumeration value="IA05"/>
      <enumeration value="IB02"/>
      <enumeration value="IB03"/>
      <enumeration value="IB04"/>
      <enumeration value="IB05"/>
      <enumeration value="IB06"/>
      <enumeration value="IG01"/>
    </restriction>
  </simpleContent>
</complexType>
<complexType name="LoaiPhuBeMatType">
  <simpleContent>
    <restriction base="gml:CodeType">
      <enumeration value="1"/>
      <enumeration value="2"/>
      <enumeration value="3"/>
      <enumeration value="4"/>
      <enumeration value="5"/>
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      <enumeration value="6"/>
      <enumeration value="7"/>
      <enumeration value="8"/>
      <enumeration value="9"/>
      <enumeration value="11"/>
      <enumeration value="12"/>
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      <enumeration value="17"/>
      <enumeration value="18"/>
      <enumeration value="19"/>
      <enumeration value="20"/>
      <enumeration value="21"/>
    </restriction>
  </simpleContent>
</complexType>
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VĂN PHÒNG CHÍNH PHỦ XUẤT BẢN

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