

ISO 21127:2006 Web Service

Class and property definitions service

The ISO 21127 Class and Property Names Service provides the names of ISO 21127 classes and properties on the basis of identification codes and preferred language.

Request URL

<http://www.open-world.ch/ISO/21127:2006>

Note: The ISO21127 web service accepts either HTTP GET or HTTP POST requests.

Request parameters

Parameter	Value	Description
code	string (required)	A comma separated list of identification codes for classes and/or properties (<i>En</i> or <i>Pn</i>)
lang	String : <i>en</i> (default), <i>fr</i>	Preferred language. Either <i>en</i> (English) or <i>fr</i> (French)
output	string: <i>xml</i> (default), <i>php</i>	The format for the output. If <i>php</i> is requested, the results will be returned in Serialized PHP format.

Response fields

Field	Description
ResultSet	Encapsulates the response set. ResultSet has an attribute <i>lang</i> which contains the two letter language code
Result	Encapsulates each class or property definition.
Code	The ISO 21127 class or property identifier
Name	Text of the class or property name
Properties	Encapsulates the set of properties
Domain	Property domain
Range	Property range
Superclasses	Encapsulates the set of direct super classes
Subclasses	Encapsulates the set of direct sub classes
Superproperties	Encapsulates the set of direct super properties
Subproperties	Encapsulates the set of direct sub properties

Sample response

<http://www.open-world.ch/ISO/21127:2006?lang=en&code=E3&output=xml>

The following is a sample response for the query above:

```
<?xml version="1.0" encoding="UTF-8" ?>
<ResultSet lang="en">
  <Result>
    <Code>E3</Code>
    <Name>Condition State</Name>
    <Properties>
      <Property>
        <Code>P5</Code>
        <Name>consists of (forms part of)</Name>
        <Domain>E3</Domain>
        <Range>E3</Range>
      </Property>
      <Property>
        <Code>P35</Code>
        <Name>has identified (identified by)</Name>
        <Domain>E14</Domain>
        <Range>E3</Range>
      </Property>
      <Property>
        <Code>P44</Code>
        <Name>has condition (condition of)</Name>
        <Domain>E18</Domain>
        <Range>E3</Range>
      </Property>
    </Properties>
    <Superclasses>
      <Superclass>
        <Code>E2</Code>
        <Name>Temporal Entity</Name>
      </Superclass>
    </Superclasses>
    <Subclasses>
      <Subclass />
    </Subclasses>
  </Result>
</ResultSet>
<!-- Open-World ISO 21127 service : 2008-04-01 10:26:56 -->
```

Errors

The ISO 21127 service returns standard HTTP errors. There are no service-specific errors.