

# Schema documentation for ANRESchema.xsd

march 14, 2022

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## Namespace: "http://www.anre.ro/ANRESchema"

### Schema(s)

#### Main schema ANRESchema.xsd

Namespace	http://www.anre.ro/ANRESchema
Properties	attribute form default: unqualified element form default: unqualified

### Element(s)

#### Element anre:Address

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class Address {         &lt;&lt;anre:Address&gt;&gt;     }     class anreAddress {         &lt;&lt;anre:Address&gt;&gt;     }     Address &lt; -- anreAddress     anreAddress "1" --&gt; "1" City     anreAddress "1" --&gt; "1" County     anreAddress "1" --&gt; "1" Extended     anreAddress "1" --&gt; "1" Number     anreAddress "1" --&gt; "1" Position     anreAddress "1" --&gt; "1" Street     anreAddress "1" --&gt; "1" Note     class Note {         &lt;&lt;Extra address information like Building, Stair, Apartment, Floor&gt;&gt;     }   </pre>
Type	anre:Address
Properties	content: complex
Model	city , county , extended , number , position{0,1} , street
Children	city, county, extended, number, position, street
Instance	<pre> &lt;anre:Address xmlns:anre="http://www.anre.ro/ANRESchema"&gt;   &lt;city&gt;{1,1}&lt;/city&gt;   &lt;county&gt;{1,1}&lt;/county&gt;   &lt;extended&gt;{1,1}&lt;/extended&gt;   &lt;number&gt;{1,1}&lt;/number&gt;   &lt;position geohash="" latitude="" longitude=""&gt;{0,1}&lt;/position&gt;   &lt;street&gt;{1,1}&lt;/street&gt; &lt;/anre:Address&gt;   </pre>
Source	<xs:element name="Address" type="anre:Address" />

#### Element anre:City

Namespace	http://www.anre.ro/ANRESchema

Diagram	
Type	anre:City
Properties	content: complex
Model	code , name
Children	code, name
Instance	<pre>&lt;anre:City xmlns:anre="http://www.anre.ro/ANRESchema"&gt;   &lt;code&gt;{1,1}&lt;/code&gt;   &lt;name&gt;{1,1}&lt;/name&gt; &lt;/anre:City&gt;</pre>
Source	<pre>&lt;xs:element name="City" type="anre:City"/&gt;</pre>

## Element anre:Client

Namespace	http://www.anre.ro/ANRESchema
Diagram	
Type	anre:Client
Properties	content: complex
Model	address , legalID , posfUser{0,1}
Children	address, legalID, posfUser
Instance	<pre>&lt;anre:Client xmlns:anre="http://www.anre.ro/ANRESchema"&gt;   &lt;address&gt;{1,1}&lt;/address&gt;   &lt;legalID number="" type=""&gt;{1,1}&lt;/legalID&gt;   &lt;posfUser&gt;{0,1}&lt;/posfUser&gt; &lt;/anre:Client&gt;</pre>
Source	<pre>&lt;xs:element name="Client" type="anre:Client"/&gt;</pre>

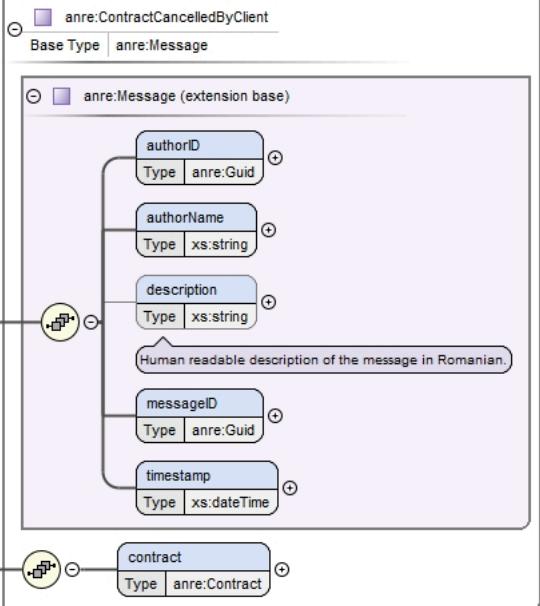
## Element anre:Contract

Namespace	http://www.anre.ro/ANRESchema
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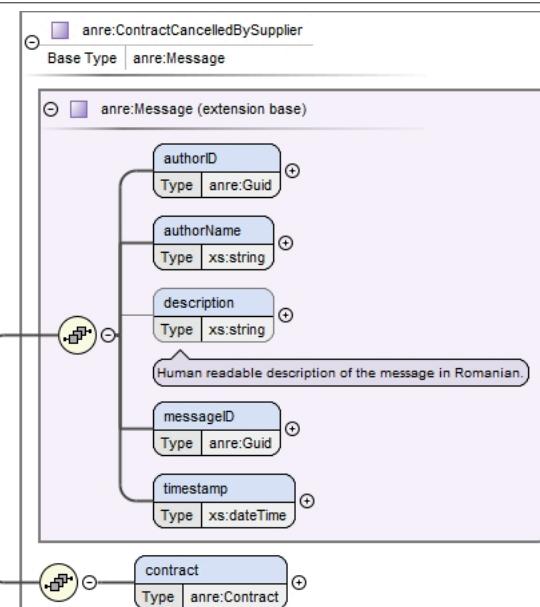
Diagram	<pre> classDiagram     class anre:Contract {         additionalDate* : xs:date         additionalNumber* : xs:string         client* : anre:Client         conventionNeeded* : xs:boolean         date* : xs:date         executionAddress* : anre:Address         number* : xs:string         operator* : anre:Operator         place* : anre:Place         previousSupplier* : anre:Supplier         startingDate* : xs:date         supplier* : anre:Supplier         type* : anre:ContractType     }     class Contract {         Type anre:Contract     }     anre:Contract &lt; -- Contract     </pre> <p>The diagram shows the UML Class Diagram for the <code>anre:Contract</code> element. It is a complex type with the following components:</p> <ul style="list-style-type: none"> <li><code>additionalDate</code>: xs:date (multiplicity *)</li> <li><code>additionalNumber</code>: xs:string (multiplicity *)</li> <li><code>client</code>: anre:Client (multiplicity *)</li> <li><code>conventionNeeded</code>: xs:boolean (multiplicity *)</li> <li><code>date</code>: xs:date (multiplicity *)</li> <li><code>executionAddress</code>: anre:Address (multiplicity *)</li> <li><code>number</code>: xs:string (multiplicity *)</li> <li><code>operator</code>: anre:Operator (multiplicity *)</li> <li><code>place</code>: anre:Place (multiplicity *)</li> <li><code>previousSupplier</code>: anre:Supplier (multiplicity *)</li> <li><code>startingDate</code>: xs:date (multiplicity *)</li> <li><code>supplier</code>: anre:Supplier (multiplicity *)</li> <li><code>type</code>: anre:ContractType (multiplicity *)</li> </ul> <p>A reference from the <code>Contract</code> class to the <code>anre:Contract</code> type is shown.</p>
Type	<code>anre:Contract</code>
Properties	content: complex
Model	additionalDate{0,1} , additionalNumber{0,1} , client , conventionNeeded , date , executionAddress , number , operator{0,1} , place , previousSupplier , startingDate , supplier , type
Children	additionalDate, additionalNumber, client, conventionNeeded, date, executionAddress, number, operator, place, previousSupplier, startingDate, supplier, type
Instance	<pre> &lt;anre:Contract xmlns:anre="http://www.anre.ro/ANRESchema"&gt;     &lt;additionalDate&gt;{0,1}&lt;/additionalDate&gt;     &lt;additionalNumber&gt;{0,1}&lt;/additionalNumber&gt;     &lt;client&gt;{1,1}&lt;/client&gt;     &lt;conventionNeeded&gt;{1,1}&lt;/conventionNeeded&gt;     &lt;date&gt;{1,1}&lt;/date&gt;     &lt;executionAddress&gt;{1,1}&lt;/executionAddress&gt;     &lt;number&gt;{1,1}&lt;/number&gt;     &lt;operator&gt;{0,1}&lt;/operator&gt;     &lt;place&gt;{1,1}&lt;/place&gt;     &lt;previousSupplier&gt;{1,1}&lt;/previousSupplier&gt;     &lt;startingDate&gt;{1,1}&lt;/startingDate&gt;     &lt;supplier&gt;{1,1}&lt;/supplier&gt;     &lt;type&gt;{1,1}&lt;/type&gt; &lt;/anre:Contract&gt; </pre>
Source	<code>&lt;xsd:element name="Contract" type="anre:Contract" /&gt;</code>

### Element `anre:ContractCancelledByClient`

Namespace	<code>http://www.anre.ro/ANRESchema</code>
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Diagram	
Type	anre:ContractCancelledByClient
Type hierarchy	<ul style="list-style-type: none"> <li>• anre:Message</li> <li>• anre:ContractCancelledByClient</li> </ul>
Properties	content: complex
Model	authorID , authorName , description{0,1} , messageID , timestamp , contract
Children	authorID, authorName, contract, description, messageID, timestamp
Instance	<pre>&lt;anre:ContractCancelledByClient xmlns:anre="http://www.anre.ro/ANRESchema"&gt;   &lt;authorID&gt;{1,1}&lt;/authorID&gt;   &lt;authorName&gt;{1,1}&lt;/authorName&gt;   &lt;description&gt;{0,1}&lt;/description&gt;   &lt;messageID&gt;{1,1}&lt;/messageID&gt;   &lt;timestamp&gt;{1,1}&lt;/timestamp&gt;   &lt;contract&gt;{1,1}&lt;/contract&gt; &lt;/anre:ContractCancelledByClient&gt;</pre>
Source	<code>&lt;xss:element name="ContractCancelledByClient" type="anre:ContractCancelledByClient"/&gt;</code>

### Element anre:ContractCancelledBySupplier

Namespace	http://www.anre.ro/ANRESchema
Diagram	

Type	anre:ContractCancelledBySupplier
Type hierarchy	<ul style="list-style-type: none"> <li>• anre:Message</li> <li>• anre:ContractCancelledBySupplier</li> </ul>
Properties	content: complex
Model	authorID , authorName , description{0,1} , messageID , timestamp , contract
Children	authorID, authorName, contract, description, messageID, timestamp
Instance	<pre>&lt;anre:ContractCancelledBySupplier xmlns:anre="http://www.anre.ro/ANRESchema"&gt;   &lt;authorID&gt;{1,1}&lt;/authorID&gt;   &lt;authorName&gt;{1,1}&lt;/authorName&gt;   &lt;description&gt;{0,1}&lt;/description&gt;   &lt;messageID&gt;{1,1}&lt;/messageID&gt;   &lt;timestamp&gt;{1,1}&lt;/timestamp&gt;   &lt;contract&gt;{1,1}&lt;/contract&gt; &lt;/anre:ContractCancelledBySupplier&gt;</pre>
Source	<code>&lt;xss:element name="ContractCancelledBySupplier" type="anre:ContractCancelledBySupplier"/&gt;</code>

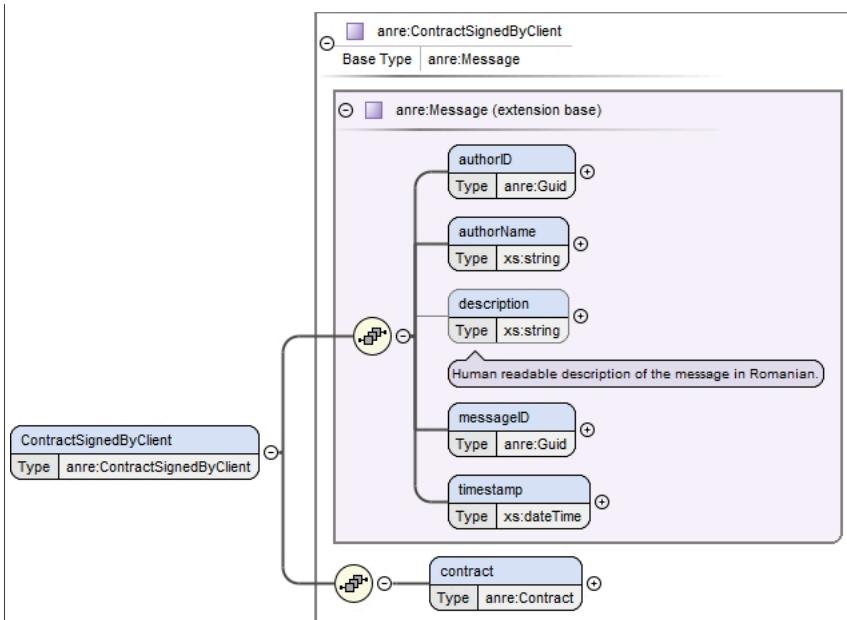
## Element anre:ContractNetworkSignedByOperator

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class ContractNetworkSignedByOperator {         &lt;&lt;anre:ContractNetworkSignedByOperator&gt;&gt;         Type anre:ContractNetworkSignedByOperator     }     class Message {         &lt;&lt;anre:Message&gt;&gt;         Base Type anre:Message     }     ContractNetworkSignedByOperator &lt; -- Message     class Message {         authorID anre:Guid         authorName xs:string         description xs:string         messageID anre:Guid         timestamp xs:dateTime         contract anre:Contract     }     note over description: Human readable description of the message in Romanian.   </pre>
Type	anre:ContractNetworkSignedByOperator
Type hierarchy	<ul style="list-style-type: none"> <li>• anre:Message</li> <li>• anre:ContractNetworkSignedByOperator</li> </ul>
Properties	content: complex
Model	authorID , authorName , description{0,1} , messageID , timestamp , contract
Children	authorID, authorName, contract, description, messageID, timestamp
Instance	<pre>&lt;anre:ContractNetworkSignedByOperator xmlns:anre="http://www.anre.ro/ANRESchema"&gt;   &lt;authorID&gt;{1,1}&lt;/authorID&gt;   &lt;authorName&gt;{1,1}&lt;/authorName&gt;   &lt;description&gt;{0,1}&lt;/description&gt;   &lt;messageID&gt;{1,1}&lt;/messageID&gt;   &lt;timestamp&gt;{1,1}&lt;/timestamp&gt;   &lt;contract&gt;{1,1}&lt;/contract&gt; &lt;/anre:ContractNetworkSignedByOperator&gt;</pre>
Source	<code>&lt;xss:element name="ContractNetworkSignedByOperator" type="anre:ContractNetworkSignedByOperator"/&gt;</code>

## Element anre:ContractSignedByClient

Namespace	http://www.anre.ro/ANRESchema
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## Diagram



Type anre:ContractSignedByClient

Type hierarchy

- anre:Message
  - anre:ContractSignedByClient

Properties content: complex

Model authorID, authorName, description{0,1}, messageID, timestamp, contract

Children authorID, authorName, contract, description, messageID, timestamp

Instance

```

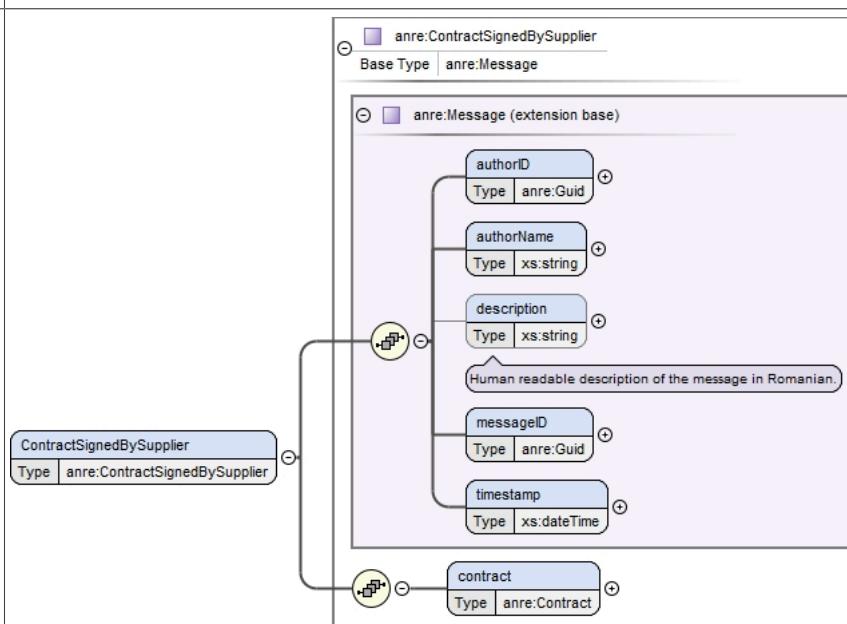
<anre:ContractSignedByClient xmlns:anre="http://www.anre.ro/ANRESchema">
  <authorID>{1,1}</authorID>
  <authorName>{1,1}</authorName>
  <description>{0,1}</description>
  <messageID>{1,1}</messageID>
  <timestamp>{1,1}</timestamp>
  <contract>{1,1}</contract>
</anre:ContractSignedByClient>
  
```

Source &lt;xss:element name="ContractSignedByClient" type="anre:ContractSignedByClient"/&gt;

**Element anre:ContractSignedBySupplier**

Namespace http://www.anre.ro/ANRESchema

## Diagram



Type	anre:ContractSignedBySupplier
Type hierarchy	<ul style="list-style-type: none"> <li>• anre:Message</li> <li>• anre:ContractSignedBySupplier</li> </ul>
Properties	content: complex
Model	authorID , authorName , description{0,1} , messageID , timestamp , contract
Children	authorID, authorName, contract, description, messageID, timestamp
Instance	<pre>&lt;anre:ContractSignedBySupplier xmlns:anre="http://www.anre.ro/ANRESchema"&gt;   &lt;authorID&gt;{1,1}&lt;/authorID&gt;   &lt;authorName&gt;{1,1}&lt;/authorName&gt;   &lt;description&gt;{0,1}&lt;/description&gt;   &lt;messageID&gt;{1,1}&lt;/messageID&gt;   &lt;timestamp&gt;{1,1}&lt;/timestamp&gt;   &lt;contract&gt;{1,1}&lt;/contract&gt; &lt;/anre:ContractSignedBySupplier&gt;</pre>
Source	<code>&lt;xs:element name="ContractSignedBySupplier" type="anre:ContractSignedBySupplier"/&gt;</code>

## Element anre:Covention

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class anre:Covention {         contract : anre:Contract         date : xs:date         number : xs:string     }     class Covention {         Type anre:Covention     }     anre:Covention "*" --&gt; "1" Covention   </pre>
Type	anre:Covention
Properties	content: complex
Model	contract , date , number
Children	contract, date, number
Instance	<pre>&lt;anre:Covention xmlns:anre="http://www.anre.ro/ANRESchema"&gt;   &lt;contract&gt;{1,1}&lt;/contract&gt;   &lt;date&gt;{1,1}&lt;/date&gt;   &lt;number&gt;{1,1}&lt;/number&gt; &lt;/anre:Covention&gt;</pre>
Source	<code>&lt;xs:element name="Covention" type="anre:Covention"/&gt;</code>

## Element anre:LegalID

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class anre:LegalID {         @number : xs:string         @type : anre:LegalIDType     }     class LegalID {         Type anre:LegalID     }     anre:LegalID "*" --&gt; "1" LegalID     note over anre:LegalID: CNP pentru cartea de identitate, CUI pentru societati, Numar pasaport pentru PASAPORT   </pre>
Type	anre:LegalID
Properties	content: complex
Model	

Attributes	QName	Type	Use	
	<b>number</b>	xs:string	optional	
		CNP pentru cartea de identitate, CUI pentru societati, Numar pasaport pentru PASAPORT		
	<b>type</b>	anre:LegalIDType	optional	
Source	<xss:element name="LegalID" type="anre:LegalID" />			

## Element anre:Message

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class Message {         &lt;&lt;Type anre:Message&gt;&gt;     }     class anre:Message {         authorID : anre:Guid         authorName : xs:string         description : xs:string         messageID : anre:Guid         timestamp : xs:dateTime     }     Message "1..*" -- "1..*" anre:Message   </pre>
Type	anre:Message
Properties	content: complex
Model	authorID , authorName , description{0,1} , messageID , timestamp
Children	authorID, authorName, description, messageID, timestamp
Instance	<anre:Message xmlns:anre="http://www.anre.ro/ANRESchema">   <authorID>{1,1}</authorID>   <authorName>{1,1}</authorName>   <description>{0,1}</description>   <messageID>{1,1}</messageID>   <timestamp>{1,1}</timestamp> </anre:Message>
Source	<xss:element name="Message" type="anre:Message" />

## Element anre:Operator

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class Operator {         &lt;&lt;Type anre:Operator&gt;&gt;     }     class anre:Operator {         address : anre:Address         legalID : anre:LegalID     }     Operator "1..*" -- "1..*" anre:Operator   </pre>
Type	anre:Operator
Properties	content: complex
Model	address , legalID
Children	address, legalID
Instance	<anre:Operator xmlns:anre="http://www.anre.ro/ANRESchema">   <address>{1,1}</address>   <legalID number="" type="">{1,1}</legalID> </anre:Operator>
Source	<xss:element name="Operator" type="anre:Operator" />

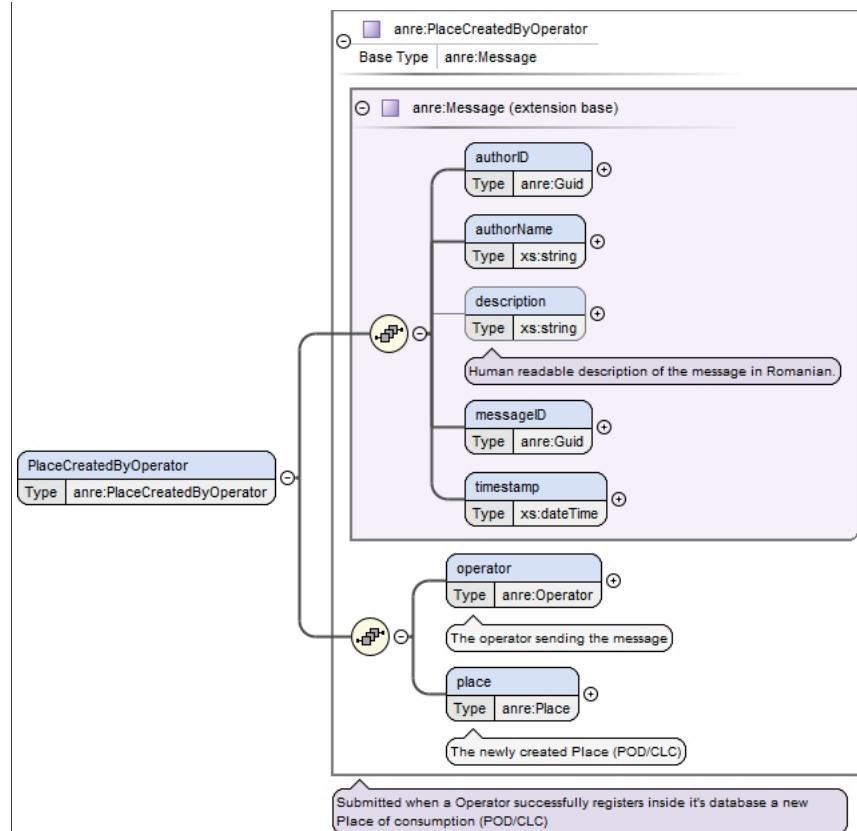
**Element anre:Place**

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class Place {         &lt;&lt;Type anre:Place&gt;&gt;     }     class anre:Place {         &lt;&lt;Type anre:Address&gt;&gt;         &lt;&lt;Type xs:string&gt;&gt;         &lt;&lt;Type anre:TechnicalData&gt;&gt;         &lt;&lt;Type anre:PlaceType&gt;&gt;     }     Place &lt; -- anre:Place     anre:Place &lt; --&gt; Place     anre:Place &lt; --&gt; anre:Address     anre:Place &lt; --&gt; xs:string     anre:Place &lt; --&gt; anre:TechnicalData     anre:Place &lt; --&gt; anre:PlaceType     anre:Place &lt; --&gt; TechnicalDataElectricity     anre:Place &lt; --&gt; TechnicalDataGas     anre:Place &lt; --&gt; PlaceType   </pre>
Type	anre:Place
Properties	content: complex
Model	address , code , technicalData , type
Children	address, code, technicalData, type
Instance	<anre:Place xmlns:anre="http://www.anre.ro/ANRESchema">   <address>{1,1}</address>   <code>{1,1}</code>   <technicalData>{1,1}</technicalData>   <type>{1,1}</type> </anre:Place>
Source	<xss:element name="Place" type="anre:Place" />

**Element anre:PlaceCreatedByOperator**

Namespace	http://www.anre.ro/ANRESchema
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## Diagram



Type	<code>anre:PlaceCreatedByOperator</code>
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>anre:Message</code></li> <li>• <code>anre:PlaceCreatedByOperator</code></li> </ul>
Properties	content: complex
Model	<code>authorID</code> , <code>authorName</code> , <code>description{0,1}</code> , <code>messageID</code> , <code>timestamp</code> , <code>operator</code> , <code>place</code>
Children	<code>authorID</code> , <code>authorName</code> , <code>description</code> , <code>messageID</code> , <code>operator</code> , <code>place</code> , <code>timestamp</code>
Instance	<pre>&lt;anre:PlaceCreatedByOperator xmlns:anre="http://www.anre.ro/ANRESchema"&gt;   &lt;authorID&gt;{1,1}&lt;/authorID&gt;   &lt;authorName&gt;{1,1}&lt;/authorName&gt;   &lt;description&gt;{0,1}&lt;/description&gt;   &lt;messageID&gt;{1,1}&lt;/messageID&gt;   &lt;timestamp&gt;{1,1}&lt;/timestamp&gt;   &lt;operator&gt;{1,1}&lt;/operator&gt;   &lt;place&gt;{1,1}&lt;/place&gt; &lt;/anre:PlaceCreatedByOperator&gt;</pre>
Source	<code>&lt;xss:element name="PlaceCreatedByOperator" type="anre:PlaceCreatedByOperator"/&gt;</code>

**Element `anre:PlaceUpdatedByOperator`**

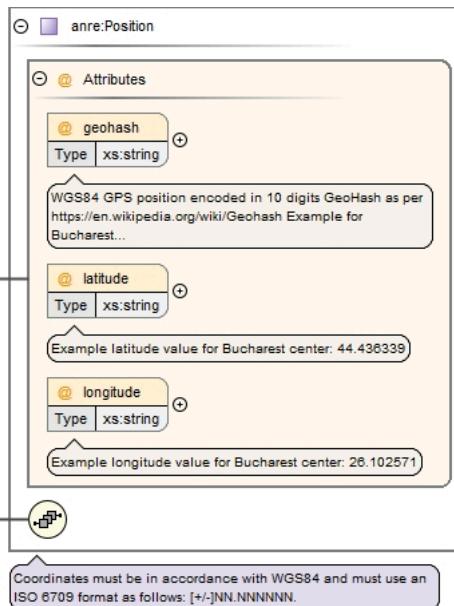
Namespace	<code>http://www.anre.ro/ANRESchema</code>
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Diagram	<pre> classDiagram     class anre:PlaceUpdatedByOperator {         &lt;&lt;anre:PlaceUpdatedByOperator&gt;&gt;         &lt;&lt;anre&gt;&gt;         &lt;&lt;http://www.anre.ro/ANRESchema&gt;&gt;         &lt;&lt;authorID&gt;&gt;{1,1}&lt;/authorID&gt;         &lt;&lt;authorName&gt;&gt;{1,1}&lt;/authorName&gt;         &lt;&lt;description&gt;&gt;{0,1}&lt;/description&gt;         &lt;&lt;messageID&gt;&gt;{1,1}&lt;/messageID&gt;         &lt;&lt;timestamp&gt;&gt;{1,1}&lt;/timestamp&gt;         &lt;&lt;operator&gt;&gt;{1,1}&lt;/operator&gt;         &lt;&lt;place&gt;&gt;{1,1}&lt;/place&gt;     }     anre:PlaceUpdatedByOperator &lt; -- anre:Message     anre:Message &lt; -- anre:Message     anre:Message {         &lt;&lt;anre:Message&gt;&gt;         &lt;&lt;extension base&gt;&gt;         &lt;&lt;authorID&gt;&gt;{1,1}&lt;/authorID&gt;         &lt;&lt;authorName&gt;&gt;{1,1}&lt;/authorName&gt;         &lt;&lt;description&gt;&gt;{0,1}&lt;/description&gt;         &lt;&lt;messageID&gt;&gt;{1,1}&lt;/messageID&gt;         &lt;&lt;timestamp&gt;&gt;{1,1}&lt;/timestamp&gt;         &lt;&lt;operator&gt;&gt;{1,1}&lt;/operator&gt;         &lt;&lt;place&gt;&gt;{1,1}&lt;/place&gt;     }     anre:Message {         &lt;&lt;Human readable description of the message in Romanian.&gt;&gt;         &lt;&lt;operator&gt;&gt;{1,1}&lt;/operator&gt;         &lt;&lt;place&gt;&gt;{1,1}&lt;/place&gt;     } </pre>
Type	anre:PlaceUpdatedByOperator
Type hierarchy	<ul style="list-style-type: none"> <li>• anre:Message</li> <li>• anre:PlaceUpdatedByOperator</li> </ul>
Properties	content: complex
Model	authorID , authorName , description{0,1} , messageID , timestamp , operator , place
Children	authorID, authorName, description, messageID, operator, place, timestamp
Instance	<anre:PlaceUpdatedByOperator xmlns:anre="http://www.anre.ro/ANRESchema">     <authorID>{1,1}</authorID>     <authorName>{1,1}</authorName>     <description>{0,1}</description>     <messageID>{1,1}</messageID>     <timestamp>{1,1}</timestamp>     <operator>{1,1}</operator>     <place>{1,1}</place> </anre:PlaceUpdatedByOperator>
Source	<xs:element name="PlaceUpdatedByOperator" type="anre:PlaceUpdatedByOperator"/>

## Element anre:Position

Namespace	http://www.anre.ro/ANRESchema
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## Diagram



Type anre:Position

Properties content: complex

## Model

Attributes	QName	Type	Use	
	<b>geohash</b>	xs:string	optional	
				WGS84 GPS position encoded in 10 digits GeoHash as per <a href="https://en.wikipedia.org/wiki/Geohash">https://en.wikipedia.org/wiki/Geohash</a> . Example for Bucharest center: sxfscrrhng
	<b>latitude</b>	xs:string	optional	
				Example latitude value for Bucharest center: 44.436339
	<b>longitude</b>	xs:string	optional	
				Example longitude value for Bucharest center: 26.102571

Source &lt;xs:element name="Position" type="anre:Position"/&gt;

**Element anre:Supplier**

Namespace	http://www.anre.ro/ANRESchema
Diagram	<p><b>anre:Supplier</b></p> <ul style="list-style-type: none"> <li><b>Attributes</b> <ul style="list-style-type: none"> <li><b>address</b> (anre:Address)</li> <li><b>fuiType</b> (anre:FUIType)</li> <li><b>isFUI</b> (xs:boolean)</li> <li><b>legalID</b> (anre:LegalID)</li> </ul> </li> </ul>
Type	anre:Supplier
Properties	content: complex
Model	address , fuiType , isFUI , legalID
Children	address, fuiType, isFUI, legalID
Instance	<pre>&lt;anre:Supplier xmlns:anre="http://www.anre.ro/ANRESchema"&gt;   &lt;address&gt;{1,1}&lt;/address&gt;   &lt;fuiType&gt;{1,1}&lt;/fuiType&gt;   &lt;isFUI&gt;{1,1}&lt;/isFUI&gt;   &lt;legalID number="" type=""&gt;{1,1}&lt;/legalID&gt;</pre>

	</anre:Supplier>
Source	<xss:element name="Supplier" type="anre:Supplier"/>

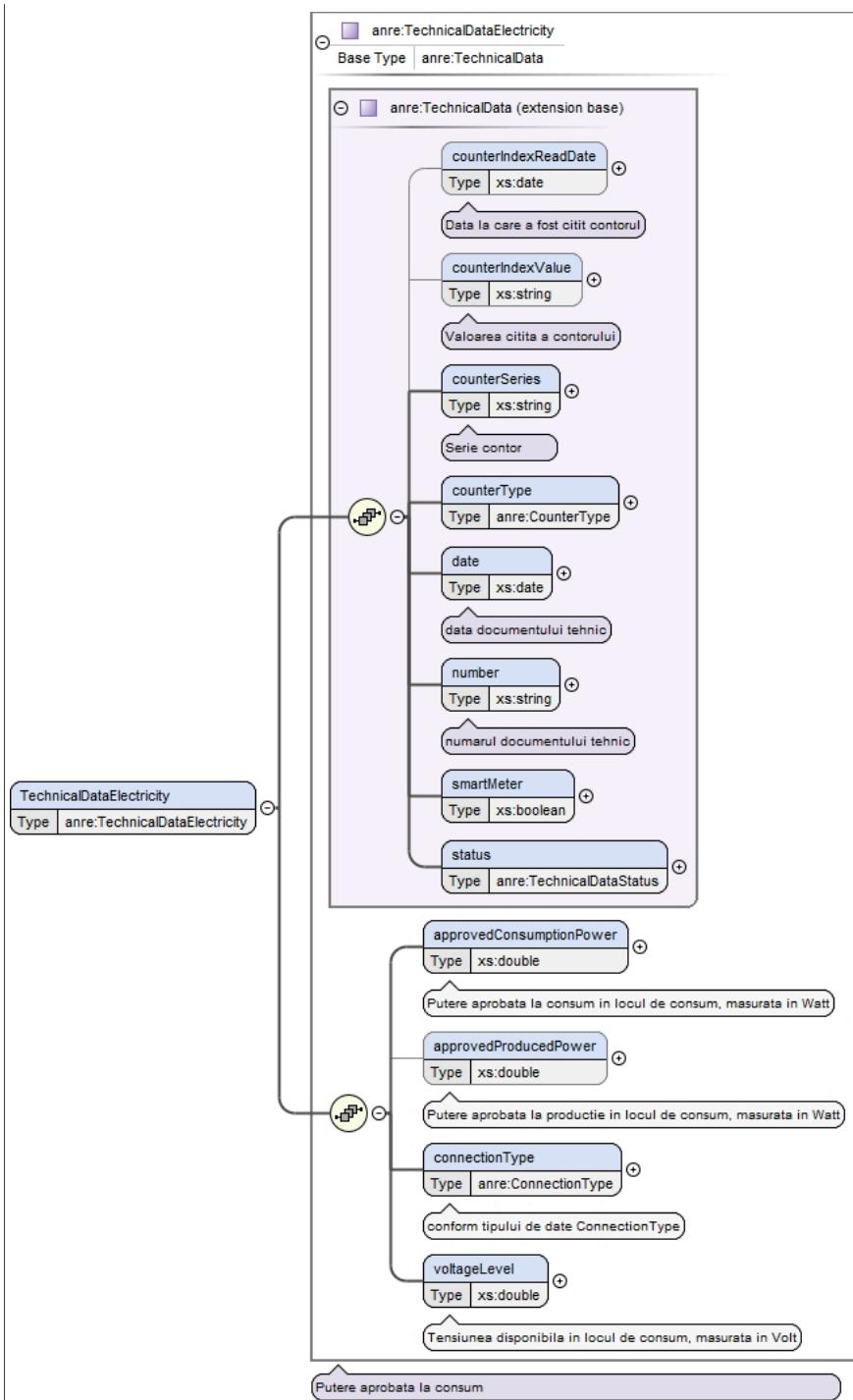
## Element anre:TechnicalData

Namespace	http://www.anre.ro/ANRESchema
Diagram	
Type	anre:TechnicalData
Properties	content: complex
Model	counterIndexReadDate{0,1} , counterIndexValue{0,1} , counterSeries , counterType , date , number , smartMeter , status
Children	counterIndexReadDate, counterIndexValue, counterSeries, counterType, date, number, smartMeter, status
Instance	<pre>&lt;anre:TechnicalData xmlns:anre="http://www.anre.ro/ANRESchema"&gt;   &lt;counterIndexReadDate&gt;{0,1}&lt;/counterIndexReadDate&gt;   &lt;counterIndexValue&gt;{0,1}&lt;/counterIndexValue&gt;   &lt;counterSeries&gt;{1,1}&lt;/counterSeries&gt;   &lt;counterType&gt;{1,1}&lt;/counterType&gt;   &lt;date&gt;{1,1}&lt;/date&gt;   &lt;number&gt;{1,1}&lt;/number&gt;   &lt;smartMeter&gt;{1,1}&lt;/smartMeter&gt;   &lt;status&gt;{1,1}&lt;/status&gt; &lt;/anre:TechnicalData&gt;</pre>
Source	<xss:element name="TechnicalData" type="anre:TechnicalData"/>

## Element anre:TechnicalDataElectricity

Namespace	http://www.anre.ro/ANRESchema
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## Diagram



Type	<code>anre:TechnicalDataElectricity</code>
Type hierarchy	<ul style="list-style-type: none"> <li><code>anre:TechnicalData</code></li> <li><code>anre:TechnicalDataElectricity</code></li> </ul>
Properties	content: complex
Model	<code>counterIndexReadDate{0,1}</code> , <code>counterIndexValue{0,1}</code> , <code>counterSeries</code> , <code>counterType</code> , <code>date</code> , <code>number</code> , <code>smartMeter</code> , <code>status</code> , <code>approvedConsumptionPower</code> , <code>approvedProducedPower{0,1}</code> , <code>connectionType</code> , <code>voltageLevel</code>
Children	<code>approvedConsumptionPower</code> , <code>approvedProducedPower</code> , <code>connectionType</code> , <code>counterIndexReadDate</code> , <code>counterIndexValue</code> , <code>counterSeries</code> , <code>counterType</code> , <code>date</code> , <code>number</code> , <code>smartMeter</code> , <code>status</code> , <code>voltageLevel</code>
Instance	<pre>&lt;anre:TechnicalDataElectricity xmlns:anre="http://www.anre.ro/ANRESchema"&gt;   &lt;counterIndexReadDate&gt;{0,1}&lt;/counterIndexReadDate&gt;   &lt;counterIndexValue&gt;{0,1}&lt;/counterIndexValue&gt;   &lt;counterSeries&gt;{1,1}&lt;/counterSeries&gt;   &lt;counterType&gt;{1,1}&lt;/counterType&gt;</pre>

	<pre> &lt;date&gt;{1,1}&lt;/date&gt; &lt;number&gt;{1,1}&lt;/number&gt; &lt;smartMeter&gt;{1,1}&lt;/smartMeter&gt; &lt;status&gt;{1,1}&lt;/status&gt; &lt;approvedConsumptionPower&gt;{1,1}&lt;/approvedConsumptionPower&gt; &lt;approvedProducedPower&gt;{0,1}&lt;/approvedProducedPower&gt; &lt;connectionType&gt;{1,1}&lt;/connectionType&gt; &lt;voltageLevel&gt;{1,1}&lt;/voltageLevel&gt; &lt;/anre:TechnicalDataElectricity&gt; </pre>
Source	<xss:element name="TechnicalDataElectricity" type="anre:TechnicalDataElectricity"/>

## Element anre:TechnicalDataGas

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class anre:TechnicalDataGas {         &lt;&lt;anre:TechnicalDataGas&gt;&gt;         &lt;&lt;Base Type   anre:TechnicalData&gt;&gt;     }     class anre:TechnicalData {         &lt;&lt;anre:TechnicalData (extension base)&gt;&gt;         counterIndexReadDate : xs:date         counterIndexValue : xs:string         counterSeries : xs:string         counterType : anre:CounterType         date : xs:date         number : xs:string         smartMeter : xs:boolean         status : anre:TechnicalDataStatus     }     class TechnicalDataGas {         &lt;&lt;TechnicalDataGas&gt;&gt;         &lt;&lt;Type   anre:TechnicalDataGas&gt;&gt;     }     anre:TechnicalData &lt; -- anre:TechnicalDataGas </pre>
Type	anre:TechnicalDataGas
Type hierarchy	<ul style="list-style-type: none"> <li>• anre:TechnicalData</li> <li>• anre:TechnicalDataGas</li> </ul>
Properties	content: complex

Model	counterIndexReadDate{0,1} , counterIndexValue{0,1} , counterSeries , counterType , date , number , smartMeter , status , category , debit , networkType , pressure
Children	category, counterIndexReadDate, counterIndexValue, counterSeries, counterType, date, debit, networkType, number, pressure, smartMeter, status
Instance	<pre>&lt;anre:TechnicalDataGas xmlns:anre="http://www.anre.ro/ANRESchema"&gt;   &lt;counterIndexReadDate&gt;{0,1}&lt;/counterIndexReadDate&gt;   &lt;counterIndexValue&gt;{0,1}&lt;/counterIndexValue&gt;   &lt;counterSeries&gt;{1,1}&lt;/counterSeries&gt;   &lt;counterType&gt;{1,1}&lt;/counterType&gt;   &lt;date&gt;{1,1}&lt;/date&gt;   &lt;number&gt;{1,1}&lt;/number&gt;   &lt;smartMeter&gt;{1,1}&lt;/smartMeter&gt;   &lt;status&gt;{1,1}&lt;/status&gt;   &lt;category&gt;{1,1}&lt;/category&gt;   &lt;debit&gt;{1,1}&lt;/debit&gt;   &lt;networkType&gt;{1,1}&lt;/networkType&gt;   &lt;pressure&gt;{1,1}&lt;/pressure&gt; &lt;/anre:TechnicalDataGas&gt;</pre>
Source	<code>&lt;xs:element name="TechnicalDataGas" type="anre:TechnicalDataGas" /&gt;</code>

## Simple Type(s)

### Simple Type anre:ConnectionType

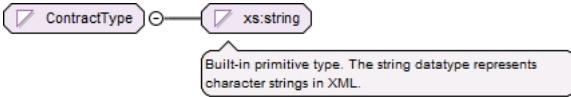
Namespace	http://www.anre.ro/ANRESchema				
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	restriction of xs:string				
Facets	<table> <tr> <td>enumeration</td> <td>MONOFAZAT</td> </tr> <tr> <td>enumeration</td> <td>TRIFAZAT</td> </tr> </table>	enumeration	MONOFAZAT	enumeration	TRIFAZAT
enumeration	MONOFAZAT				
enumeration	TRIFAZAT				
Used by	Element anre:TechnicalDataElectricity/connectionType				
Source	<pre>&lt;xs:simpleType name="ConnectionType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="MONOFAZAT" /&gt;     &lt;xs:enumeration value="TRIFAZAT" /&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>				

### Simple Type anre:ConsumptionCategory

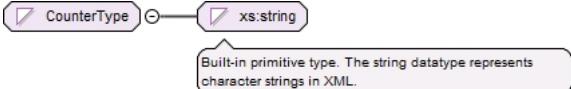
Namespace	http://www.anre.ro/ANRESchema						
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>						
Type	restriction of xs:string						
Facets	<table> <tr> <td>enumeration</td> <td>C1</td> </tr> <tr> <td>enumeration</td> <td>C2</td> </tr> <tr> <td>enumeration</td> <td>C3</td> </tr> </table>	enumeration	C1	enumeration	C2	enumeration	C3
enumeration	C1						
enumeration	C2						
enumeration	C3						
Used by	Element anre:TechnicalDataGas/category						
Source	<pre>&lt;xs:simpleType name="ConsumptionCategory"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="C1" /&gt;     &lt;xs:enumeration value="C2" /&gt;     &lt;xs:enumeration value="C3" /&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>						

### Simple Type anre:ContractType

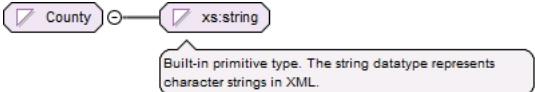
Namespace	http://www.anre.ro/ANRESchema
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Diagram	
Type	restriction of xs:string
Facets	enumeration FURNIZARE
	enumeration RETEA
	enumeration TRANSPORT
Used by	Element anre:Contract/type
Source	<pre>&lt;xs:simpleType name="ContractType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="FURNIZARE" /&gt;     &lt;xs:enumeration value="RETEA" /&gt;     &lt;xs:enumeration value="TRANSPORT" /&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>

### Simple Type anre:CounterType

Namespace	http://www.anre.ro/ANRESchema
Diagram	
Type	restriction of xs:string
Facets	enumeration ACTIVE
	enumeration GAS
	enumeration REACTIVE
Used by	Element anre:TechnicalData/counterType
Source	<pre>&lt;xs:simpleType name="CounterType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="ACTIVE" /&gt;     &lt;xs:enumeration value="GAS" /&gt;     &lt;xs:enumeration value="REACTIVE" /&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>

### Simple Type anre:County

Namespace	http://www.anre.ro/ANRESchema
Diagram	
Type	restriction of xs:string
Facets	enumeration AB
	enumeration AG
	enumeration AR
	enumeration B
	enumeration BC
	enumeration BH
	enumeration BN
	enumeration BR
	enumeration BT
	enumeration BV
	enumeration BZ
	enumeration CJ

	enumeration	CS
	enumeration	CT
	enumeration	CV
	enumeration	DB
	enumeration	DJ
	enumeration	GJ
	enumeration	GL
	enumeration	GR
	enumeration	HD
	enumeration	HR
	enumeration	IF
	enumeration	IL
	enumeration	IS
	enumeration	MH
	enumeration	MM
	enumeration	MS
	enumeration	NT
	enumeration	OT
	enumeration	PH
	enumeration	SB
	enumeration	SJ
	enumeration	SM
	enumeration	SV
	enumeration	TL
	enumeration	TM
	enumeration	TR
	enumeration	VL
	enumeration	VN
	enumeration	VS
Used by	Element	anre:Address/county
Source	<xs:simpleType name="County"> <xs:restriction base="xs:string"> <xs:enumeration value="AB"/> <xs:enumeration value="AG"/> <xs:enumeration value="AR"/> <xs:enumeration value="B"/> <xs:enumeration value="BC"/> <xs:enumeration value="BH"/> <xs:enumeration value="BN"/> <xs:enumeration value="BR"/> <xs:enumeration value="BT"/> <xs:enumeration value="BV"/> <xs:enumeration value="BZ"/> <xs:enumeration value="CJ"/> <xs:enumeration value="CL"/> <xs:enumeration value="CS"/> <xs:enumeration value="CT"/> <xs:enumeration value="CV"/> <xs:enumeration value="DB"/> <xs:enumeration value="DJ"/> <xs:enumeration value="GJ"/> <xs:enumeration value="GL"/> <xs:enumeration value="GR"/> <xs:enumeration value="HD"/> <xs:enumeration value="HR"/> <xs:enumeration value="IF"/> <xs:enumeration value="IL"/> <xs:enumeration value="IS"/> <xs:enumeration value="MH"/> <xs:enumeration value="MM"/> <xs:enumeration value="MS"/>	

```

<xs:enumeration value="NT" />
<xs:enumeration value="OT" />
<xs:enumeration value="PH" />
<xs:enumeration value="SB" />
<xs:enumeration value="SJ" />
<xs:enumeration value="SM" />
<xs:enumeration value="SV" />
<xs:enumeration value="TL" />
<xs:enumeration value="TM" />
<xs:enumeration value="TR" />
<xs:enumeration value="VL" />
<xs:enumeration value="VN" />
<xs:enumeration value="VS" />
</xs:restriction>
</xs:simpleType>

```

## Simple Type anre:Email

Namespace	http://www.anre.ro/ANRESchema
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Source	<pre> &lt;xs:simpleType name="Email"&gt;   &lt;xs:restriction base="xs:string" /&gt; &lt;/xs:simpleType&gt; </pre>

## Simple Type anre:FUIType

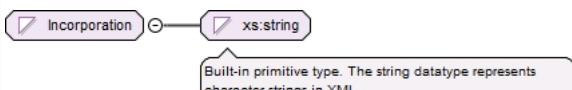
Namespace	http://www.anre.ro/ANRESchema				
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	restriction of xs:string				
Facets	<table> <tr> <td>enumeration</td> <td>DESEMNAT</td> </tr> <tr> <td>enumeration</td> <td>NOMINALIZAT</td> </tr> </table>	enumeration	DESEMNAT	enumeration	NOMINALIZAT
enumeration	DESEMNAT				
enumeration	NOMINALIZAT				
Used by	Element anre:Supplier/fuiType				
Source	<pre> &lt;xs:simpleType name="FUIType"&gt;   &lt;xs:restriction base="xs:string" /&gt;     &lt;xs:enumeration value="DESEMNAT" /&gt;     &lt;xs:enumeration value="NOMINALIZAT" /&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>				

## Simple Type anre:Guid

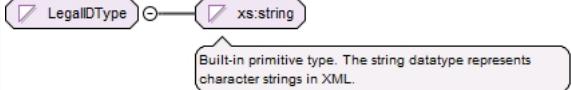
Namespace	http://www.anre.ro/ANRESchema
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string
Facets	length 32
Used by	Elements anre:Message/authorID, anre:Message/messageID
Source	<pre> &lt;xs:simpleType name="Guid"&gt;   &lt;xs:restriction base="xs:string" /&gt;     &lt;xs:length value="32" /&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>

## Simple Type anre:Incorporation

Namespace	http://www.anre.ro/ANRESchema
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Diagram	
Type	restriction of xs:string
Facets	enumeration      AltePersoaneJuridice enumeration      AutoritateInstitutiePublica enumeration      CompanieNationala enumeration      Fundatie enumeration      InstitutCulturalAlUnuiStat enumeration      InstitutieDeCredit enumeration      MisiuneDiplomatica enumeration      OficiuConsular enumeration      OrganizatieAsociatieCuPersonalitateJuridica enumeration      OrganizatiePatronala enumeration      OrganizatieSindicala enumeration      RegieAutonoma enumeration      ReprezentantaComercialaSiEconomicaAleAltuiStat enumeration      ReprezentantaDinRomaniaPentruPJStraina enumeration      SocietateComerciala enumeration      SocietateCooperativa enumeration      SocietateNationala
Source	<pre>&lt;xs:simpleType name="Incorporation"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="AltePersoaneJuridice"/&gt;     &lt;xs:enumeration value="AutoritateInstitutiePublica"/&gt;     &lt;xs:enumeration value="CompanieNationala"/&gt;     &lt;xs:enumeration value="Fundatie"/&gt;     &lt;xs:enumeration value="InstitutCulturalAlUnuiStat"/&gt;     &lt;xs:enumeration value="InstitutieDeCredit"/&gt;     &lt;xs:enumeration value="MisiuneDiplomatica"/&gt;     &lt;xs:enumeration value="OficiuConsular"/&gt;     &lt;xs:enumeration value="OrganizatieAsociatieCuPersonalitateJuridica"/&gt;     &lt;xs:enumeration value="OrganizatiePatronala"/&gt;     &lt;xs:enumeration value="OrganizatieSindicala"/&gt;     &lt;xs:enumeration value="RegieAutonoma"/&gt;     &lt;xs:enumeration value="ReprezentantaComercialaSiEconomicaAleAltuiStat"/&gt;     &lt;xs:enumeration value="ReprezentantaDinRomaniaPentruPJStraina"/&gt;     &lt;xs:enumeration value="SocietateComerciala"/&gt;     &lt;xs:enumeration value="SocietateCooperativa"/&gt;     &lt;xs:enumeration value="SocietateNationala"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>

## Simple Type anre:LegalIDType

Namespace	http://www.anre.ro/ANRESchema
Diagram	
Type	restriction of xs:string
Facets	enumeration      CNP enumeration      CUI enumeration      OTHER

	enumeration	PASSPORT
Used by	Attribute	anre:LegalID/@type
Source	<pre>&lt;xs:simpleType name="LegalIDType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="CNP"/&gt;     &lt;xs:enumeration value="CUI"/&gt;     &lt;xs:enumeration value="OTHER"/&gt;     &lt;xs:enumeration value="PASSPORT"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>	

### Simple Type anre:NetworkType

Namespace	http://www.anre.ro/ANRESchema							
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>							
Type	restriction of xs:string							
Facets	<table border="1"> <tr> <td>enumeration</td> <td>CA</td> </tr> <tr> <td>enumeration</td> <td>D</td> </tr> <tr> <td>enumeration</td> <td>T</td> </tr> </table>		enumeration	CA	enumeration	D	enumeration	T
enumeration	CA							
enumeration	D							
enumeration	T							
Used by	Element anre:TechnicalDataGas/networkType							
Source	<pre>&lt;xs:simpleType name="NetworkType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="CA"/&gt;     &lt;xs:enumeration value="D"/&gt;     &lt;xs:enumeration value="T"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>							

### Simple Type anre:Phone

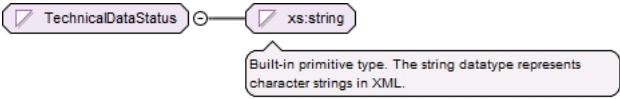
Namespace	http://www.anre.ro/ANRESchema	
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Source	<pre>&lt;xs:simpleType name="Phone"&gt;   &lt;xs:restriction base="xs:string"/&gt; &lt;/xs:simpleType&gt;</pre>	

### Simple Type anre:PlaceType

Namespace	http://www.anre.ro/ANRESchema					
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>					
Type	restriction of xs:string					
Facets	<table border="1"> <tr> <td>enumeration</td> <td>CLC</td> </tr> <tr> <td>enumeration</td> <td>POD</td> </tr> </table>		enumeration	CLC	enumeration	POD
enumeration	CLC					
enumeration	POD					
Used by	Element anre:Place/type					
Source	<pre>&lt;xs:simpleType name="PlaceType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="CLC"/&gt;     &lt;xs:enumeration value="POD"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>					

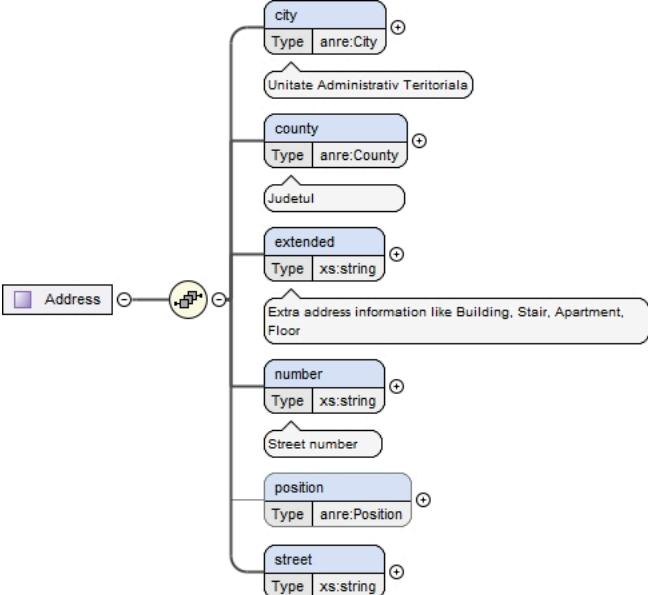
### Simple Type anre:TechnicalDataStatus

Namespace	http://www.anre.ro/ANRESchema
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Diagram	
Type	restriction of xs:string
Facets	enumeration CONECTAT enumeration DECONNECTAT
Used by	Element anre:TechnicalData/status
Source	<pre>&lt;xs:simpleType name="TechnicalDataStatus"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="CONECTAT" /&gt;     &lt;xs:enumeration value="DECONNECTAT" /&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>

## Complex Type(s)

### Complex Type anre:Address

Namespace	http://www.anre.ro/ANRESchema
Diagram	
Used by	Elements anre:Address, anre:Client/address, anre:Contract/executionAddress, anre:Operator/address, anre:Place/address, anre:Supplier/address
Model	city , county , extended , number , position{0,1} , street
Children	city, county, extended, number, position, street
Source	<pre>&lt;xs:complexType name="Address"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="city" type="anre:City" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Unitate Administrativ Teritoriala&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="county" type="anre:County" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Judetul&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="extended" type="xs:string" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Extra address information like Building, Stair, Apartment, Floor&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="number" type="xs:string" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Street number&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="position" type="anre:Position" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;anre:Position&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="street" type="xs:string" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Street&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>

```

</xs:annotation>
</xs:element>
<xs:element name="position" type="anre:Position" minOccurs="0" maxOccurs="1"/>
<xs:element name="street" type="xs:string" minOccurs="1" maxOccurs="1"/>
</xs:sequence>
</xs:complexType>

```

## Complex Type anre:City

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class City {         code : xs:string         name : xs:string     }     City &lt; -- anre:City     note over code: SIRUTA code as per ... </pre>
Used by	Elements anre:Address/city, anre:City
Model	code , name
Children	code, name
Source	<pre> &lt;xs:complexType name="City"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="code" type="xs:string" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;SIRUTA code as per https://data.gov.ro/dataset/unitati-administrativ-territoriale-coduri-siruta/resource/6772b5e3-2444-4bf2-8dcb-162fce602d28f&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="name" type="xs:string" minOccurs="1" maxOccurs="1"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>

## Complex Type anre:Position

Namespace	http://www.anre.ro/ANRESchema																					
Annotations	Coordinates must be in accordance with WGS84 and must use an ISO 6709 format as follows: [+/-]NN.NNNNNN.																					
Diagram	<pre> classDiagram     class Position {         geohash : xs:string         latitude : xs:string         longitude : xs:string     }     Position &lt; -- anre:Position     note over Position: Coordinates must be in accordance with WGS84 and must use an ISO 6709 format as follows: [+/-]NN.NNNNNN.     note over geohash: WGS84 GPS position encoded in 10 digits GeoHash as per https://en.wikipedia.org/wiki/Geohash Example for Bucharest...     note over latitude: Example latitude value for Bucharest center: 44.436339     note over longitude: Example longitude value for Bucharest center: 26.102571 </pre>																					
Used by	Elements anre:Address/position, anre:Position																					
Model																						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>geohash</td> <td>xs:string</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td>WGS84 GPS position encoded in 10 digits GeoHash as per https://en.wikipedia.org/wiki/Geohash Example for Bucharest center: sxfscrrhng</td> </tr> <tr> <td>latitude</td> <td>xs:string</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td>Example latitude value for Bucharest center: 44.436339</td> </tr> <tr> <td>longitude</td> <td>xs:string</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td>Example longitude value for Bucharest center: 26.102571</td> </tr> </tbody> </table>	QName	Type	Use	geohash	xs:string	optional			WGS84 GPS position encoded in 10 digits GeoHash as per https://en.wikipedia.org/wiki/Geohash Example for Bucharest center: sxfscrrhng	latitude	xs:string	optional			Example latitude value for Bucharest center: 44.436339	longitude	xs:string	optional			Example longitude value for Bucharest center: 26.102571
QName	Type	Use																				
geohash	xs:string	optional																				
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latitude	xs:string	optional																				
		Example latitude value for Bucharest center: 44.436339																				
longitude	xs:string	optional																				
		Example longitude value for Bucharest center: 26.102571																				

	<b>QName</b>	<b>Type</b>	<b>Use</b>	
			Example longitude value for Bucharest center: 26.102571	
Source	<pre>&lt;xs:complexType name="Position"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Coordinates must be in accordance with WGS84 and must use an ISO 6709 format as follows: [+/-]NN.NNNNNN.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:attribute name="geohash" use="optional" type="xs:string"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;WGS84 GPS position encoded in 10 digits GeoHash as per https://en.wikipedia.org/wiki/Geohash Example for Bucharest center: sxfscrrhng&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:attribute&gt;     &lt;xs:attribute name="latitude" use="optional" type="xs:string"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Example latitude value for Bucharest center: 44.436339&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:attribute&gt;     &lt;xs:attribute name="longitude" use="optional" type="xs:string"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Example longitude value for Bucharest center: 26.102571&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:attribute&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>			

## Complex Type anre:Client

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class Client     class address {         &lt;&lt;anre:Address&gt;&gt;     }     class legalID {         &lt;&lt;anre:LegalID&gt;&gt;     }     class posfUser {         &lt;&lt;xs:string&gt;&gt;     }      Client "0..1" o-- "1..1" address     Client "0..1" o-- "1..1" legalID     Client "0..1" o-- "1..1" posfUser   </pre>
Used by	Elements anre:Client, anre:Contract/client
Model	address , legalID , posfUser{0,1}
Children	address, legalID, posfUser
Source	<pre>&lt;xs:complexType name="Client"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="address" type="anre:Address" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="legalID" type="anre:LegalID" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="posfUser" type="xs:string" minOccurs="0" maxOccurs="1"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>

## Complex Type anre:LegalID

Namespace	http://www.anre.ro/ANRESchema								
Diagram	<pre> classDiagram     class LegalID     class Attributes {         @ number         @ type     }      LegalID "0..1" o-- "1..1" Attributes   </pre> <p>CNP pentru cartea de identitate, CUI pentru societati, Numar passport pentru PASAPORT</p>								
Used by	Elements anre:Client/legalID, anre:LegalID, anre:Operator/legalID, anre:Supplier/legalID								
Model									
Attributes	<table border="1"> <thead> <tr> <th><b>QName</b></th> <th><b>Type</b></th> <th><b>Use</b></th> <th></th> </tr> </thead> <tbody> <tr> <td>number</td> <td>xs:string</td> <td>optional</td> <td></td> </tr> </tbody> </table>	<b>QName</b>	<b>Type</b>	<b>Use</b>		number	xs:string	optional	
<b>QName</b>	<b>Type</b>	<b>Use</b>							
number	xs:string	optional							

	<b>QName</b>	<b>Type</b>	<b>Use</b>	
		CNP pentru cartea de identitate, CUI pentru societati, Numar pasaport pentru PASAPORT		
	<b>type</b>	anre:LegalIDType	optional	
Source	<pre>&lt;xs:complexType name="LegalID"&gt;   &lt;xs:sequence/&gt;   &lt;xs:attribute name="number" use="optional" type="xs:string"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;CNP pentru cartea de identitate, CUI pentru societati, Numar pasaport pentru PASAPORT&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:attribute&gt;   &lt;xs:attribute name="type" use="optional" type="anre:LegalIDType" /&gt; &lt;/xs:complexType&gt;</pre>			

## Complex Type anre:Contract

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class Contract {         additionalDate : xs:date         additionalNumber : xs:string         client : anre:Client         conventionNeeded : xs:boolean         date : xs:date         executionAddress : anre:Address         number : xs:string         operator : anre:Operator         place : anre:Place         previousSupplier : anre:Supplier         startingDate : xs:date         supplier : anre:Supplier         type : anre:ContractType     }   </pre>
Used by	Elements anre:Contract, anre:ContractCancelledByClient/contract, anre:ContractCancelledBySupplier/contract, anre:ContractNetworkSignedByOperator/contract, anre:ContractSignedByClient/contract, anre:ContractSignedBySupplier/contract, anre:Covention/contract
Model	additionalDate{0,1} , additionalNumber{0,1} , client , conventionNeeded , date , executionAddress , number , operator{0,1} , place , previousSupplier , startingDate , supplier , type
Children	additionalDate, additionalNumber, client, conventionNeeded, date, executionAddress, number, operator, place, previousSupplier, startingDate, supplier, type
Source	<pre> &lt;xs:complexType name="Contract"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="additionalDate" type="xs:date" minOccurs="0" maxOccurs="1"/&gt;     &lt;xs:element name="additionalNumber" type="xs:string" minOccurs="0" maxOccurs="1"/&gt;     &lt;xs:element name="client" type="anre:Client" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="conventionNeeded" type="xs:boolean" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="date" type="xs:date" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="executionAddress" type="anre:Address" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="number" type="xs:string" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="operator" type="anre:Operator" minOccurs="0" maxOccurs="1"/&gt;     &lt;xs:element name="place" type="anre:Place" minOccurs="0" maxOccurs="1"/&gt;     &lt;xs:element name="previousSupplier" type="anre:Supplier" minOccurs="0" maxOccurs="1"/&gt;     &lt;xs:element name="startingDate" type="xs:date" minOccurs="0" maxOccurs="1"/&gt;     &lt;xs:element name="supplier" type="anre:Supplier" minOccurs="0" maxOccurs="1"/&gt;     &lt;xs:element name="type" type="anre:ContractType" minOccurs="0" maxOccurs="1"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>

```

<xs:element name="operator" type="anre:Operator" minOccurs="0" maxOccurs="1"/>
<xs:element name="place" type="anre:Place" minOccurs="1" maxOccurs="1"/>
<xs:element name="previousSupplier" type="anre:Supplier" minOccurs="1" maxOccurs="1"/>
<xs:element name="startDate" type="xs:date" minOccurs="1" maxOccurs="1"/>
<xs:element name="supplier" type="anre:Supplier" minOccurs="1" maxOccurs="1"/>
<xs:element name="type" type="anre:ContractType" minOccurs="1" maxOccurs="1"/>
</xs:sequence>
</xs:complexType>

```

## Complex Type anre:Operator

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class Operator     class address {         &lt;&lt;anre:Address&gt;&gt;     }     class legalID {         &lt;&lt;anre:LegalID&gt;&gt;     }      Operator "1..1" -- "1..1" address     Operator "1..1" -- "1..1" legalID   </pre>
Used by	Elements anre:Contract/operator, anre:Operator, anre:PlaceCreatedByOperator/operator, anre:PlaceUpdatedByOperator/operator
Model	address , legalID
Children	address, legalID
Source	<pre> &lt;xs:complexType name="Operator"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="address" type="anre:Address" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="legalID" type="anre:LegalID" minOccurs="1" maxOccurs="1"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>

## Complex Type anre:Place

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class Place     class address {         &lt;&lt;anre:Address&gt;&gt;     }     class code {         &lt;&lt;xs:string&gt;&gt;     }     class technicalData {         &lt;&lt;anre:TechnicalData&gt;&gt;     }     class type {         &lt;&lt;anre:PlaceType&gt;&gt;     }      Place "1..1" -- "1..1" address     Place "1..1" -- "1..1" code     Place "1..1" -- "1..1" technicalData     Place "1..1" -- "1..1" type      &lt;xs:annotation&gt;       &lt;xs:documentation&gt;reprezinta numarul POD sau CLC asa cum se regaseste in factura&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;      &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Poate fi de tip TechnicalDataElectricity sau TechnicalDataGas&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;      &lt;xs:annotation&gt;       &lt;xs:documentation&gt;ia valori conform tipului de data PlaceType&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   </pre>
Used by	Elements anre:Contract/place, anre:Place, anre:PlaceCreatedByOperator/place, anre:PlaceUpdatedByOperator/place
Model	address , code , technicalData , type
Children	address, code, technicalData, type
Source	<pre> &lt;xs:complexType name="Place"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="address" type="anre:Address" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="code" type="xs:string" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;reprezinta numarul POD sau CLC asa cum se regaseste in factura&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="technicalData" type="anre:TechnicalData" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Poate fi de tip TechnicalDataElectricity sau TechnicalDataGas&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="type" type="anre:PlaceType" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;ia valori conform tipului de data PlaceType&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>

```

</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

## Complex Type anre:TechnicalData

Namespace	http://www.anre.ro/ANRESchema				
Diagram	<pre> classDiagram     class TechnicalData {         counterIndexReadDate : xs:date         counterIndexValue : xs:string         counterSeries : xs:string         counterType : anre:CounterType         date : xs:date         number : xs:string         smartMeter : xs:boolean         status : anre:TechnicalDataStatus     } </pre>				
Used by	<table border="1"> <tr> <td>Elements</td> <td>anre:Place/technicalData, anre:TechnicalData</td> </tr> <tr> <td>Complex Types</td> <td>anre:TechnicalDataElectricity, anre:TechnicalDataGas</td> </tr> </table>	Elements	anre:Place/technicalData, anre:TechnicalData	Complex Types	anre:TechnicalDataElectricity, anre:TechnicalDataGas
Elements	anre:Place/technicalData, anre:TechnicalData				
Complex Types	anre:TechnicalDataElectricity, anre:TechnicalDataGas				
Model	counterIndexReadDate{0,1} , counterIndexValue{0,1} , counterSeries , counterType , date , number , smartMeter , status				
Children	counterIndexReadDate, counterIndexValue, counterSeries, counterType, date, number, smartMeter, status				
Source	<pre> &lt;xs:complexType name="TechnicalData"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="counterIndexReadDate" type="xs:date" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Data la care a fost citit contorul&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="counterIndexValue" type="xs:string" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Valoarea citita a contorului&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="counterSeries" type="xs:string" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Serie contor&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="counterType" type="anre:CounterType" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;data documentului tehnic&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="date" type="xs:date" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;data documentului tehnic&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="number" type="xs:string" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;numarul documentului tehnic&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="smartMeter" type="xs:boolean" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="status" type="anre:TechnicalDataStatus" minOccurs="1" maxOccurs="1"/&gt;   &lt;/xs:sequence&gt; </pre>				

<pre>&lt;/xs:complexType&gt;</pre>
------------------------------------

## Complex Type anre:Supplier

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class Supplier {         &lt;&lt;anre:Supplier&gt;&gt;         &lt;&lt;anre:Address&gt;&gt;         &lt;&lt;anre:FUIType&gt;&gt;         &lt;&lt;xs:boolean&gt;&gt;         &lt;&lt;anre:LegalID&gt;&gt;     }     Supplier &lt; -- Address     Supplier &lt; -- FUIType     Supplier &lt; -- isFUI     Supplier &lt; -- LegalID   </pre>
Used by	Elements anre:Contract/previousSupplier, anre:Contract/supplier, anre:Supplier
Model	address , fuiType , isFUI , legalID
Children	address, fuiType, isFUI, legalID
Source	<pre> &lt;xs:complexType name="Supplier"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="address" type="anre:Address" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="fuiType" type="anre:FUIType" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="isFUI" type="xs:boolean" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="legalID" type="anre:LegalID" minOccurs="1" maxOccurs="1"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>

## Complex Type anre:ContractCancelledByClient

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class ContractCancelledByClient {         &lt;&lt;anre:ContractCancelledByClient&gt;&gt;         &lt;&lt;anre:Message&gt;&gt;         &lt;&lt;anre:Contract&gt;&gt;     }     ContractCancelledByClient &lt; -- Message     ContractCancelledByClient &lt; -- Contract     Message &lt; -- authorID     Message &lt; -- authorName     Message &lt; -- description     Message &lt; -- messageID     Message &lt; -- timestamp   </pre> <p>Human readable description of the message in Romanian.</p>
Type	extension of anre:Message
Type hierarchy	<ul style="list-style-type: none"> <li>• anre:Message</li> <li>• anre:ContractCancelledByClient</li> </ul>
Used by	Element anre:ContractCancelledByClient
Model	authorID , authorName , description{0,1} , messageID , timestamp , contract
Children	authorID, authorName, contract, description, messageID, timestamp
Source	<pre> &lt;xs:complexType name="ContractCancelledByClient"&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="anre:Message"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="contract" type="anre:Contract" minOccurs="1" maxOccurs="1"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;   </pre>

## Complex Type anre:Message

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class Message {         authorID : anre:Guid         authorName : xs:string         description : xs:string         messageID : anre:Guid         timestamp : xs:dateTime     }     Note over description: Human readable description of the message in Romanian.   </pre>
Used by	Complex Types anre:ContractCancelledByClient, anre:ContractCancelledBySupplier, anre:ContractNetworkSignedByOperator, anre:ContractSignedByClient, anre:ContractSignedBySupplier, anre:PlaceCreatedByOperator, anre:PlaceUpdatedByOperator Element anre:Message
Model	authorID , authorName , description{0,1} , messageID , timestamp
Children	authorID, authorName, description, messageID, timestamp
Source	<pre> &lt;xs:complexType name="Message"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="authorID" type="anre:Guid" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="authorName" type="xs:string" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="description" type="xs:string" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Human readable description of the message in Romanian.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="messageID" type="anre:Guid" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="timestamp" type="xs:dateTime" minOccurs="1" maxOccurs="1"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>

## Complex Type anre:ContractCancelledBySupplier

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class ContractCancelledBySupplier {         &lt;&lt;Base Type: anre:Message&gt;&gt;         contract : anre:Contract     }     class Message {         authorID : anre:Guid         authorName : xs:string         description : xs:string         messageID : anre:Guid         timestamp : xs:dateTime     }   </pre>
Type	extension of anre:Message
Type hierarchy	<ul style="list-style-type: none"> <li>• anre:Message</li> <li>• anre:ContractCancelledBySupplier</li> </ul>
Used by	Element anre:ContractCancelledBySupplier

Model	authorID , authorName , description{0,1} , messageID , timestamp , contract
Children	authorID, authorName, contract, description, messageID, timestamp
Source	<pre>&lt;xs:complexType name="ContractCancelledBySupplier"&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="anre:Message"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="contract" type="anre:Contract" minOccurs="1" maxOccurs="1"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre>

### Complex Type anre:ContractNetworkSignedByOperator

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class ContractNetworkSignedByOperator {         &lt;&lt;Base Type   anre:Message&gt;&gt;     }     class anre:Message {         &lt;&lt;extension base&gt;&gt;         authorID : anre:Guid         authorName : xs:string         description : xs:string         messageID : anre:Guid         timestamp : xs:dateTime         contract : anre:Contract     }     ContractNetworkSignedByOperator &lt; -- anre:Message   </pre>
Type	extension of anre:Message
Type hierarchy	<ul style="list-style-type: none"> <li>• anre:Message</li> <li>• anre:ContractNetworkSignedByOperator</li> </ul>
Used by	Element anre:ContractNetworkSignedByOperator
Model	authorID , authorName , description{0,1} , messageID , timestamp , contract
Children	authorID, authorName, contract, description, messageID, timestamp
Source	<pre>&lt;xs:complexType name="ContractNetworkSignedByOperator"&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="anre:Message"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="contract" type="anre:Contract" minOccurs="1" maxOccurs="1"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre>

### Complex Type anre:ContractSignedByClient

Namespace	http://www.anre.ro/ANRESchema
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Diagram	
Type	extension of anre:Message
Type hierarchy	<ul style="list-style-type: none"> <li>• anre:Message</li> <li>• anre:ContractSignedByClient</li> </ul>
Used by	Element anre:ContractSignedByClient
Model	authorID , authorName , description{0,1} , messageID , timestamp , contract
Children	authorID, authorName, contract, description, messageID, timestamp
Source	<pre>&lt;xs:complexType name="ContractSignedByClient"&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="anre:Message"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="contract" type="anre:Contract" minOccurs="1" maxOccurs="1"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre>

## Complex Type anre:ContractSignedBySupplier

Namespace	http://www.anre.ro/ANRESchema
Diagram	
Type	extension of anre:Message
Type hierarchy	<ul style="list-style-type: none"> <li>• anre:Message</li> <li>• anre:ContractSignedBySupplier</li> </ul>
Used by	Element anre:ContractSignedBySupplier

Model	authorID , authorName , description{0,1} , messageID , timestamp , contract
Children	authorID, authorName, contract, description, messageID, timestamp
Source	<pre>&lt;xs:complexType name="ContractSignedBySupplier"&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="anre:Message"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="contract" type="anre:Contract" minOccurs="1" maxOccurs="1"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre>

### Complex Type anre:Covention

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class Convention {         contract         date         number     }     class Contract {         Type anre:Contract     }     class Date {         Type xs:date     }     class Number {         Type xs:string     }      Convention "1..1" o--&gt; Contract     Convention "1..1" o--&gt; Date     Convention "1..1" o--&gt; Number   </pre>
Used by	Element anre:Covention
Model	contract , date , number
Children	contract, date, number
Source	<pre>&lt;xs:complexType name="Covention"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="contract" type="anre:Contract" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="date" type="xs:date" minOccurs="1" maxOccurs="1"/&gt;     &lt;xs:element name="number" type="xs:string" minOccurs="1" maxOccurs="1"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>

### Complex Type anre:PlaceCreatedByOperator

Namespace	http://www.anre.ro/ANRESchema
Annotations	Submitted when a Operator successfully registers inside it's database a new Place of consumption (POD/CLC)
Diagram	<pre> classDiagram     class PlaceCreatedByOperator {         &lt;&lt;Submitted when a Operator successfully registers inside it's database a new Place of consumption (POD/CLC)&gt;&gt;         anre:Message &lt; -- PlaceCreatedByOperator         authorID         authorName         description         messageID         timestamp         operator         place     }     class Message {         authorID         authorName         description         messageID         timestamp     }     class Operator {         Type anre:Operator     }     class Place {         Type anre:Place     }      PlaceCreatedByOperator "1..1" o--&gt; Message     PlaceCreatedByOperator "1..1" o--&gt; Operator     PlaceCreatedByOperator "1..1" o--&gt; Place   </pre> <p>Annotations for PlaceCreatedByOperator:</p> <ul style="list-style-type: none"> <li>Submitted when a Operator successfully registers inside it's database a new Place of consumption (POD/CLC)</li> </ul> <p>Annotations for description:</p> <ul style="list-style-type: none"> <li>Human readable description of the message in Romanian.</li> </ul>
Type	extension of anre:Message
Type hierarchy	<ul style="list-style-type: none"> <li>• anre:Message</li> </ul>

	<ul style="list-style-type: none"> <li>• anre:PlaceCreatedByOperator</li> </ul>
Used by	Element anre:PlaceCreatedByOperator
Model	authorID , authorName , description{0,1} , messageID , timestamp , operator , place
Children	authorID, authorName, description, messageID, operator, place, timestamp
Source	<pre>&lt;xs:complexType name="PlaceCreatedByOperator"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Submitted when a Operator successfully registers inside it's database a new Place of consumption (POD/CLC)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="anre:Message"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="operator" type="anre:Operator" minOccurs="1" maxOccurs="1"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation&gt;The operator sending the message&lt;/xs:documentation&gt;           &lt;/xs:annotation&gt;         &lt;/xs:element&gt;         &lt;xs:element name="place" type="anre:Place" minOccurs="1" maxOccurs="1"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation&gt;The newly created Place (POD/CLC)&lt;/xs:documentation&gt;           &lt;/xs:annotation&gt;         &lt;/xs:element&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre>

### Complex Type anre:PlaceUpdatedByOperator

Namespace	http://www.anre.ro/ANRESchema
Diagram	<pre> classDiagram     class anre:Message {         authorID : anre:Guid         authorName : xs:string         description : xs:string         messageID : anre:Guid         timestamp : xs:dateTime     }     class anre:PlaceUpdatedByOperator {         &lt;&lt;Base Type : anre:Message&gt;&gt;         operator : anre:Operator         place : anre:Place     }     anre:Message &lt; -- anre:PlaceUpdatedByOperator </pre>
Type	extension of anre:Message
Type hierarchy	<ul style="list-style-type: none"> <li>• anre:Message</li> <li>• anre:PlaceUpdatedByOperator</li> </ul>
Used by	Element anre:PlaceUpdatedByOperator
Model	authorID , authorName , description{0,1} , messageID , timestamp , operator , place
Children	authorID, authorName, description, messageID, operator, place, timestamp
Source	<pre>&lt;xs:complexType name="PlaceUpdatedByOperator"&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="anre:Message"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="operator" type="anre:Operator" minOccurs="1" maxOccurs="1"&gt;</pre>

```

<xs:annotation>
  <xs:documentation>Operatorul care a creat acest loc de consum</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="place" type="anre:Place" minOccurs="1" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>Locul de consum nou creat</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

## Complex Type anre:TechnicalDataElectricity

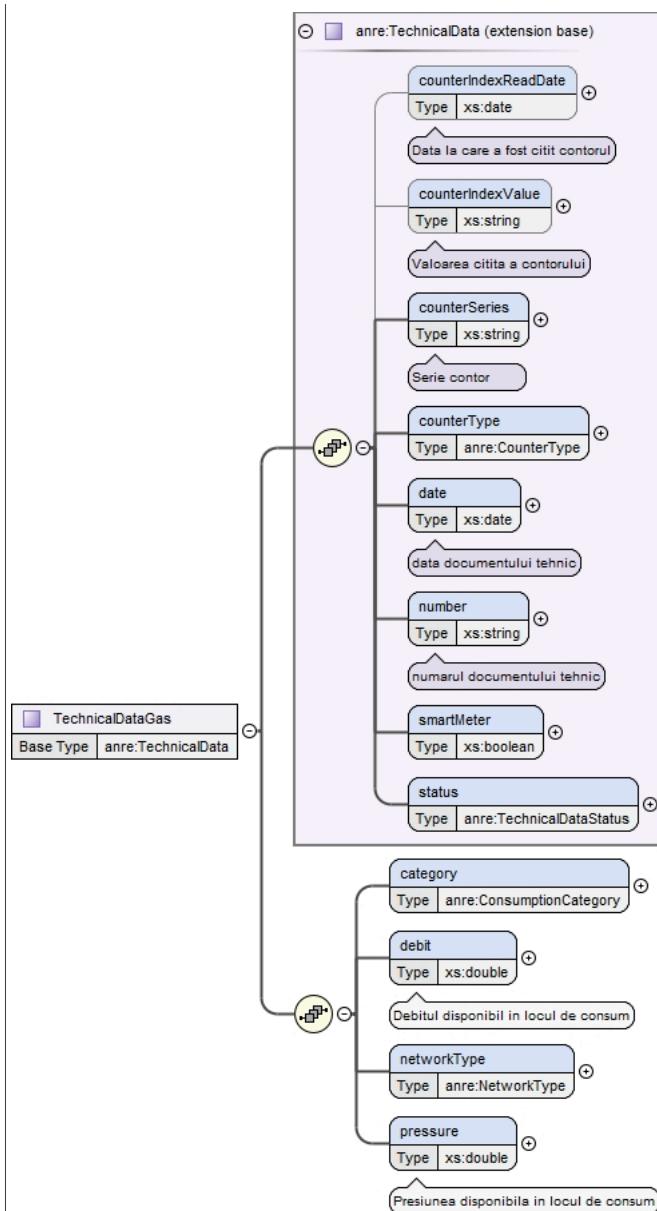
Namespace	http://www.anre.ro/ANRESchema
Annotations	Putere aprobată la consum
Diagram	<pre> classDiagram     class anre:TechnicalData {         counterIndexReadDate : xs:date         counterIndexValue : xs:string         counterSeries : xs:string         counterType : anre:CounterType         date : xs:date         number : xs:string         smartMeter : xs:boolean         status : anre:TechnicalDataStatus     }     class TechnicalDataElectricity {         approvedConsumptionPower : xs:double         approvedProducedPower : xs:double         connectionType : anre:ConnectionType         voltageLevel : xs:double     }     anre:TechnicalData &lt; -- TechnicalDataElectricity     </pre> <p>The diagram shows the inheritance of the <code>TechnicalDataElectricity</code> class from the <code>anre:TechnicalData</code> base class. The <code>anre:TechnicalData</code> class contains attributes: <code>counterIndexReadDate</code> (xs:date), <code>counterIndexValue</code> (xs:string), <code>counterSeries</code> (xs:string), <code>counterType</code> (anre:CounterType), <code>date</code> (xs:date), <code>number</code> (xs:string), <code>smartMeter</code> (xs:boolean), and <code>status</code> (anre:TechnicalDataStatus). The <code>TechnicalDataElectricity</code> class extends <code>anre:TechnicalData</code> and adds attributes: <code>approvedConsumptionPower</code> (xs:double) with the annotation "Putere aprobată la consum in locul de consum, măsurată în Watt", <code>approvedProducedPower</code> (xs:double) with the annotation "Putere aprobată la producție în locul de consum, măsurată în Watt", <code>connectionType</code> (anre:ConnectionType) with the annotation "conform tipului de date ConnectionType", and <code>voltageLevel</code> (xs:double) with the annotation "Tensiunea disponibilă în locul de consum, măsurată în Volt".</p>
Type	extension of <code>anre:TechnicalData</code>
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>anre:TechnicalData</code></li> </ul>

	<ul style="list-style-type: none"> <li>• anre:TechnicalDataElectricity</li> </ul>
Used by	Element anre:TechnicalDataElectricity
Model	counterIndexReadDate{0,1} , counterIndexValue{0,1} , counterSeries , counterType , date , number , smartMeter , status , approvedConsumptionPower , approvedProducedPower{0,1} , connectionType , voltageLevel
Children	approvedConsumptionPower, approvedProducedPower, connectionType, counterIndexReadDate, counterIndexValue, counterSeries, counterType, date, number, smartMeter, status, voltageLevel
Source	<pre> &lt;xs:complexType name="TechnicalDataElectricity"&gt;     &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Putere aprobată la consum&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;     &lt;xs:complexContent&gt;         &lt;xs:extension base="anre:TechnicalData"&gt;             &lt;xs:sequence&gt;                 &lt;xs:element name="approvedConsumptionPower" type="xs:double" minOccurs="1" maxOccurs="1"&gt;                     &lt;xs:annotation&gt;                         &lt;xs:documentation&gt;Putere aprobată la consum în locul de consum, măsurată în Watt&lt;/xs:documentation&gt;                     &lt;/xs:annotation&gt;                 &lt;/xs:element&gt;                 &lt;xs:element name="approvedProducedPower" type="xs:double" minOccurs="0" maxOccurs="1"&gt;                     &lt;xs:annotation&gt;                         &lt;xs:documentation&gt;Putere aprobată la producție în locul de consum, măsurată în Watt&lt;/xs:documentation&gt;                     &lt;/xs:annotation&gt;                 &lt;/xs:element&gt;                 &lt;xs:element name="connectionType" type="anre:ConnectionType" minOccurs="1" maxOccurs="1"&gt;                     &lt;xs:annotation&gt;                         &lt;xs:documentation&gt;Conform tipului de date ConnectionType&lt;/xs:documentation&gt;                     &lt;/xs:annotation&gt;                 &lt;/xs:element&gt;                 &lt;xs:element name="voltageLevel" type="xs:double" minOccurs="1" maxOccurs="1"&gt;                     &lt;xs:annotation&gt;                         &lt;xs:documentation&gt;Tensiunea disponibilă în locul de consum, măsurată în Volt&lt;/xs:documentation&gt;                     &lt;/xs:annotation&gt;                 &lt;/xs:element&gt;             &lt;/xs:sequence&gt;         &lt;/xs:extension&gt;     &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre>

### Complex Type anre:TechnicalDataGas

Namespace	http://www.anre.ro/ANRESchema
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## Diagram



Type	extension of <code>anre:TechnicalData</code>
Type hierarchy	<ul style="list-style-type: none"> <li><code>anre:TechnicalData</code></li> <li><code>anre:TechnicalDataGas</code></li> </ul>
Used by	Element <code>anre:TechnicalDataGas</code>
Model	<code>counterIndexReadDate{0,1}</code> , <code>counterIndexValue{0,1}</code> , <code>counterSeries</code> , <code>counterType</code> , <code>date</code> , <code>number</code> , <code>smartMeter</code> , <code>status</code> , <code>category</code> , <code>debit</code> , <code>networkType</code> , <code>pressure</code>
Children	<code>category</code> , <code>counterIndexReadDate</code> , <code>counterIndexValue</code> , <code>counterSeries</code> , <code>counterType</code> , <code>date</code> , <code>debit</code> , <code>networkType</code> , <code>number</code> , <code>pressure</code> , <code>smartMeter</code> , <code>status</code>
Source	<pre> &lt;xs:complexType name="TechnicalDataGas"&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="anre:TechnicalData"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="category" type="anre:ConsumptionCategory" minOccurs="1" maxOccurs="1"/&gt;         &lt;xs:element name="debit" type="xs:double" minOccurs="1" maxOccurs="1"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation&gt;Debitul disponibil in locul de consum&lt;/xs:documentation&gt;           &lt;/xs:annotation&gt;         &lt;/xs:element&gt;         &lt;xs:element name="networkType" type="anre:NetworkType" minOccurs="1" maxOccurs="1"/&gt;         &lt;xs:element name="pressure" type="xs:double" minOccurs="1" maxOccurs="1"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation&gt;Presiunea disponibila in locul de consum&lt;/xs:documentation&gt;           &lt;/xs:annotation&gt;         &lt;/xs:element&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;   </pre>

```

        </xs:annotation>
    </xs:element>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

## Namespace: ""

### Element(s)

#### Element anre:Address / city

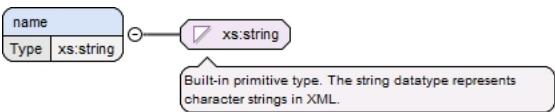
Namespace	No namespace						
Annotations	Unitate Administrativ Teritoriala						
Diagram	<pre> classDiagram     class anre:City {         code : xs:string         name : xs:string     }     class city {         Type anre:City     }     city --&gt; anre:City : Unitate Administrativ Teritoriala </pre>						
Type	anre:City						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	code , name						
Children	code, name						
Instance	<pre> &lt;city&gt;   &lt;code&gt;{1,1}&lt;/code&gt;   &lt;name&gt;{1,1}&lt;/name&gt; &lt;/city&gt; </pre>						
Source	<pre> &lt;xs:element name="city" type="anre:City" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Unitate Administrativ Teritoriala&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>						

#### Element anre:City / code

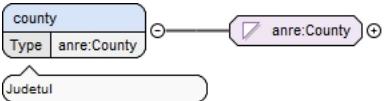
Namespace	No namespace						
Annotations	SIRUTA code as per <a href="https://data.gov.ro/dataset/unitati-administrativ-teritoriale-coduri-siruta/resource/6772b5e3-2444-4bf2-8dcb-162fce602d28f">https://data.gov.ro/dataset/unitati-administrativ-teritoriale-coduri-siruta/resource/6772b5e3-2444-4bf2-8dcb-162fce602d28f</a>						
Diagram	<pre> classDiagram     class code {         Type xs:string     }     code &lt;--&gt; xs:string : SIRUTA code as per...     note over xs:string: Built-in primitive type. The string datatype represents character strings in XML. </pre>						
Type	xs:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre> &lt;xs:element name="code" type="xs:string" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;SIRUTA code as per <a href="https://data.gov.ro/dataset/unitati-administrativ-teritoriale-coduri-siruta/resource/6772b5e3-2444-4bf2-8dcb-162fce602d28f">https://data.gov.ro/dataset/unitati-administrativ-teritoriale-coduri-siruta/resource/6772b5e3-2444-4bf2-8dcb-162fce602d28f</a>&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>						

#### Element anre:City / name

Namespace	No namespace
-----------	--------------

Diagram	
Type	xs:string
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Source	<code>&lt;xs:element name="name" type="xs:string" minOccurs="1" maxOccurs="1" /&gt;</code>

### Element anre:Address / county

Namespace	No namespace
Annotations	Judetul
Diagram	
Type	anre:County
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Facets	enumeration AB enumeration AG enumeration AR enumeration B enumeration BC enumeration BH enumeration BN enumeration BR enumeration BT enumeration BV enumeration BZ enumeration CJ enumeration CL enumeration CS enumeration CT enumeration CV enumeration DB enumeration DJ enumeration GJ enumeration GL enumeration GR enumeration HD enumeration HR enumeration IF enumeration IL enumeration IS enumeration MH enumeration MM enumeration MS

	enumeration	NT
	enumeration	OT
	enumeration	PH
	enumeration	SB
	enumeration	SJ
	enumeration	SM
	enumeration	SV
	enumeration	TL
	enumeration	TM
	enumeration	TR
	enumeration	VL
	enumeration	VN
	enumeration	VS
Source	<pre>&lt;xs:element name="county" type="anre:County" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Judetul&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>	

### Element anre:Address / extended

Namespace	No namespace						
Annotations	Extra address information like Building, Stair, Apartment, Floor						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre>&lt;xs:element name="extended" type="xs:string" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Extra address information like Building, Stair, Apartment, Floor&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>						

### Element anre:Address / number

Namespace	No namespace						
Annotations	Street number						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre>&lt;xs:element name="number" type="xs:string" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Street number&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>						

**Element anre:Address / position**

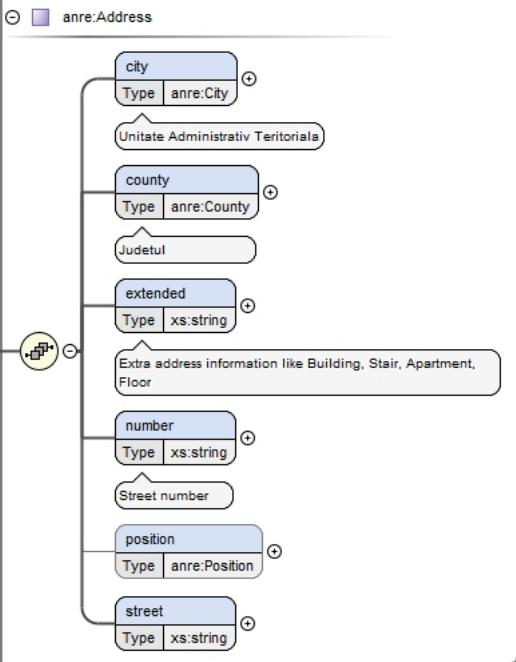
Namespace	No namespace																												
Diagram	<pre> classDiagram     class anre:Position {         @ geohash         @ latitude         @ longitude     }     class position {         Type anre:Position     }     position --&gt; anre:Position     note over anre:Position: WGS84 GPS position encoded in 10 digits GeoHash as per https://en.wikipedia.org/wiki/Geohash Example for Bucharest...     note over anre:Position: Example latitude value for Bucharest center: 44.436339     note over anre:Position: Example longitude value for Bucharest center: 26.102571     note over position: Coordinates must be in accordance with WGS84 and must use an ISO 8709 format as follows: [+/-]NN.NNNNNN.   </pre>																												
Type	anre:Position																												
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																						
content:	complex																												
minOccurs:	0																												
maxOccurs:	1																												
Model																													
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>geohash</td> <td>xs:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>WGS84 GPS position encoded in 10 digits GeoHash as per https://en.wikipedia.org/wiki/Geohash Example for Bucharest center: sxfsccrhng</td> </tr> <tr> <td>latitude</td> <td>xs:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Example latitude value for Bucharest center: 44.436339</td> </tr> <tr> <td>longitude</td> <td>xs:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Example longitude value for Bucharest center: 26.102571</td> </tr> </tbody> </table>	QName	Type	Use		geohash	xs:string	optional					WGS84 GPS position encoded in 10 digits GeoHash as per https://en.wikipedia.org/wiki/Geohash Example for Bucharest center: sxfsccrhng	latitude	xs:string	optional					Example latitude value for Bucharest center: 44.436339	longitude	xs:string	optional					Example longitude value for Bucharest center: 26.102571
QName	Type	Use																											
geohash	xs:string	optional																											
			WGS84 GPS position encoded in 10 digits GeoHash as per https://en.wikipedia.org/wiki/Geohash Example for Bucharest center: sxfsccrhng																										
latitude	xs:string	optional																											
			Example latitude value for Bucharest center: 44.436339																										
longitude	xs:string	optional																											
			Example longitude value for Bucharest center: 26.102571																										
Source	<xs:element name="position" type="anre:Position" minOccurs="0" maxOccurs="1"/>																												

**Element anre:Address / street**

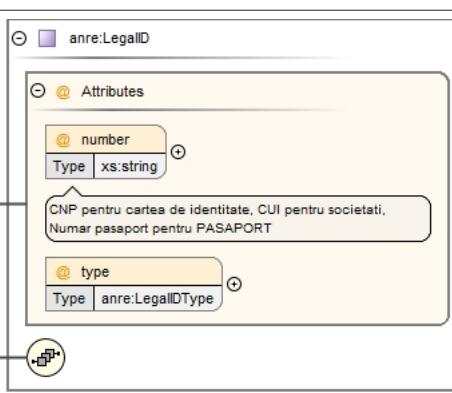
Namespace	No namespace						
Diagram	<pre> classDiagram     class street {         Type xs:string     }     note over street: Built-in primitive type. The string datatype represents character strings in XML.   </pre>						
Type	xs:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<xs:element name="street" type="xs:string" minOccurs="1" maxOccurs="1"/>						

**Element anre:Client / address**

Namespace	No namespace
-----------	--------------

Diagram	
Type	anre:Address
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Model	city , county , extended , number , position{0,1} , street
Children	city, county, extended, number, position, street
Instance	<pre>&lt;address&gt;   &lt;city&gt;{1,1}&lt;/city&gt;   &lt;county&gt;{1,1}&lt;/county&gt;   &lt;extended&gt;{1,1}&lt;/extended&gt;   &lt;number&gt;{1,1}&lt;/number&gt;   &lt;position geohash="" latitude="" longitude=""&gt;{0,1}&lt;/position&gt;   &lt;street&gt;{1,1}&lt;/street&gt; &lt;/address&gt;</pre>
Source	<code>&lt;xss:element name="address" type="anre:Address" minOccurs="1" maxOccurs="1"/&gt;</code>

### Element anre:Client / legalID

Namespace	No namespace
Diagram	
Type	anre:LegalID
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Model	

Attributes	QName	Type	Use		
	<b>number</b>	xs:string	optional		
		CNP pentru cartea de identitate, CUI pentru societati, Numar pasaport pentru PASAPORT			
	<b>type</b>	anre:LegalIDType	optional		
Source	<xs:element name="legalID" type="anre:LegalID" minOccurs="1" maxOccurs="1"/>				

**Element anre:Client / posfUser**

Namespace	No namespace						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xs:element name="posfUser" type="xs:string" minOccurs="0" maxOccurs="1"/>						

**Element anre:Contract / additionalDate**

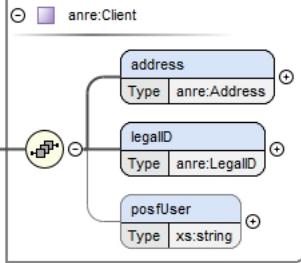
Namespace	No namespace						
Diagram							
Type	xs:date						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xs:element name="additionalDate" type="xs:date" minOccurs="0" maxOccurs="1"/>						

**Element anre:Contract / additionalNumber**

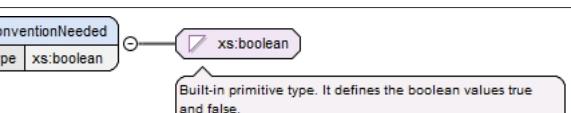
Namespace	No namespace						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xs:element name="additionalNumber" type="xs:string" minOccurs="0" maxOccurs="1"/>						

**Element anre:Contract / client**

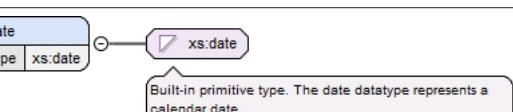
Namespace	No namespace
-----------	--------------

Diagram	
Type	anre:Client
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Model	address , legalID , posfUser{0,1}
Children	address, legalID, posfUser
Instance	<pre>&lt;client&gt;   &lt;address&gt;{1,1}&lt;/address&gt;   &lt;legalID number="" type=""&gt;{1,1}&lt;/legalID&gt;   &lt;posfUser&gt;{0,1}&lt;/posfUser&gt; &lt;/client&gt;</pre>
Source	<code>&lt;xss:element name="client" type="anre:Client" minOccurs="1" maxOccurs="1"/&gt;</code>

### Element anre:Contract / conventionNeeded

Namespace	No namespace
Diagram	
Type	xs:boolean
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Source	<code>&lt;xss:element name="conventionNeeded" type="xs:boolean" minOccurs="1" maxOccurs="1"/&gt;</code>

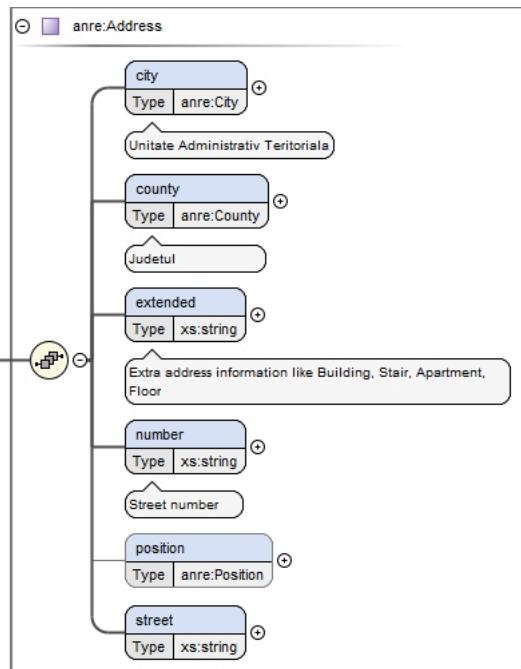
### Element anre:Contract / date

Namespace	No namespace
Diagram	
Type	xs:date
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Source	<code>&lt;xss:element name="date" type="xs:date" minOccurs="1" maxOccurs="1"/&gt;</code>

### Element anre:Contract / executionAddress

Namespace	No namespace
-----------	--------------

## Diagram



Type	anre:Address
------	--------------

Properties	content: complex minOccurs: 1 maxOccurs: 1
------------	--

Model	city , county , extended , number , position{0,1} , street
-------	--

Children	city, county, extended, number, position, street
----------	--

Instance	<pre> &lt;executionAddress&gt;   &lt;city&gt;{1,1}&lt;/city&gt;   &lt;county&gt;{1,1}&lt;/county&gt;   &lt;extended&gt;{1,1}&lt;/extended&gt;   &lt;number&gt;{1,1}&lt;/number&gt;   &lt;position geohash="" latitude="" longitude=""&gt;{0,1}&lt;/position&gt;   &lt;street&gt;{1,1}&lt;/street&gt; &lt;/executionAddress&gt; </pre>
----------	---

Source	<code>&lt;xss:element name="executionAddress" type="anre:Address" minOccurs="1" maxOccurs="1" /&gt;</code>
--------	--

**Element anre:Contract / number**

Namespace	No namespace
-----------	--------------

Diagram	
---------	--

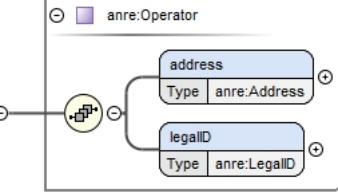
Type	xs:string
------	-----------

Properties	content: simple minOccurs: 1 maxOccurs: 1
------------	---

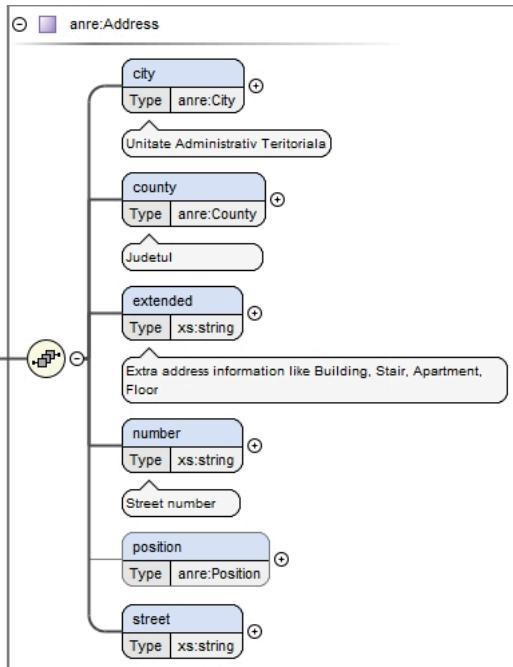
Source	<code>&lt;xss:element name="number" type="xs:string" minOccurs="1" maxOccurs="1" /&gt;</code>
--------	---

**Element anre:Contract / operator**

Namespace	No namespace
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Diagram	
Type	anre:Operator
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	address , legalID
Children	address, legalID
Instance	<pre>&lt;operator&gt;   &lt;address&gt;{1,1}&lt;/address&gt;   &lt;legalID number="" type=""&gt;{1,1}&lt;/legalID&gt; &lt;/operator&gt;</pre>
Source	<code>&lt;xss:element name="operator" type="anre:Operator" minOccurs="0" maxOccurs="1" /&gt;</code>

### Element anre:Operator / address

Namespace	No namespace
Diagram	
Type	anre:Address
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Model	city , county , extended , number , position{0,1} , street
Children	city, county, extended, number, position, street
Instance	<pre>&lt;address&gt;   &lt;city&gt;{1,1}&lt;/city&gt;   &lt;county&gt;{1,1}&lt;/county&gt;   &lt;extended&gt;{1,1}&lt;/extended&gt;   &lt;number&gt;{1,1}&lt;/number&gt;   &lt;position geohash="" latitude="" longitude=""&gt;{0,1}&lt;/position&gt;   &lt;street&gt;{1,1}&lt;/street&gt; &lt;/address&gt;</pre>
Source	<code>&lt;xss:element name="address" type="anre:Address" minOccurs="1" maxOccurs="1" /&gt;</code>

**Element anre:Operator / legalID**

Namespace	No namespace												
Diagram													
Type	anre:LegalID												
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1						
content:	complex												
minOccurs:	1												
maxOccurs:	1												
Model													
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><b>number</b></td> <td>xs:string</td> <td>optional</td> </tr> <tr> <td></td> <td>CNP pentru cartea de identitate, CUI pentru societati, Numar pasaport pentru PASAPORT</td> <td></td> </tr> <tr> <td><b>type</b></td> <td>anre:LegalIDType</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	<b>number</b>	xs:string	optional		CNP pentru cartea de identitate, CUI pentru societati, Numar pasaport pentru PASAPORT		<b>type</b>	anre:LegalIDType	optional
QName	Type	Use											
<b>number</b>	xs:string	optional											
	CNP pentru cartea de identitate, CUI pentru societati, Numar pasaport pentru PASAPORT												
<b>type</b>	anre:LegalIDType	optional											
Source	<code>&lt;xss:element name="legalID" type="anre:LegalID" minOccurs="1" maxOccurs="1"/&gt;</code>												

**Element anre:Contract / place**

Namespace	No namespace						
Diagram							
Type	anre:Place						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	address , code , technicalData , type						
Children	address, code, technicalData, type						
Instance	<code>&lt;place&gt;     &lt;address&gt;{1,1}&lt;/address&gt;     &lt;code&gt;{1,1}&lt;/code&gt;     &lt;technicalData&gt;{1,1}&lt;/technicalData&gt;</code>						

	<pre>&lt;type&gt;{1,1}&lt;/type&gt; &lt;/place&gt;</pre>
Source	<code>&lt;xss:element name="place" type="anre:Place" minOccurs="1" maxOccurs="1"/&gt;</code>

### Element anre:Place / address

Namespace	No namespace						
Diagram							
Type	anre:Address						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	city , county , extended , number , position{0,1} , street						
Children	city, county, extended, number, position, street						
Instance	<pre>&lt;address&gt;   &lt;city&gt;{1,1}&lt;/city&gt;   &lt;county&gt;{1,1}&lt;/county&gt;   &lt;extended&gt;{1,1}&lt;/extended&gt;   &lt;number&gt;{1,1}&lt;/number&gt;   &lt;position geohash="" latitude="" longitude=""&gt;{0,1}&lt;/position&gt;   &lt;street&gt;{1,1}&lt;/street&gt; &lt;/address&gt;</pre>						
Source	<code>&lt;xss:element name="address" type="anre:Address" minOccurs="1" maxOccurs="1"/&gt;</code>						

### Element anre:Place / code

Namespace	No namespace						
Annotations	reprezinta numarul POD sau CLC asa cum se regaseste in factura						
Diagram							
Type	xs:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code>&lt;xss:element name="code" type="xs:string" minOccurs="1" maxOccurs="1"/&gt;</code>						

```

<xs:annotation>
  <xs:documentation>reprezinta numarul POD sau CLC asa cum se regaseste in factura</
  xs:documentation>
</xs:annotation>
</xs:element>

```

## Element anre:Place / technicalData

Namespace	No namespace						
Annotations	Poate fi de tip TechnicalDataElectricity sau TechnicalDataGas						
Diagram	<pre> classDiagram     class anre:TechnicalData {         counterIndexReadDate : xs:date         counterIndexValue : xs:string         counterSeries : xs:string         counterType : anre:CounterType         date : xs:date         number : xs:string         smartMeter : xs:boolean         status : anre:TechnicalDataStatus     }     class technicalData {         Type : anre:TechnicalData     }     anre:TechnicalData "1" -- "1" technicalData     note over technicalData: Poate fi de tip TechnicalDataElectricity sau TechnicalDataGas     note over anre:TechnicalData: Poate fi de tip TechnicalDataElectricity sau TechnicalDataGas   </pre>						
Type	anre:TechnicalData						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	counterIndexReadDate{0,1} , counterIndexValue{0,1} , counterSeries , counterType , date , number , smartMeter , status						
Children	counterIndexReadDate, counterIndexValue, counterSeries, counterType, date, number, smartMeter, status						
Instance	<pre> &lt;technicalData&gt;   &lt;counterIndexReadDate&gt;{0,1}&lt;/counterIndexReadDate&gt;   &lt;counterIndexValue&gt;{0,1}&lt;/counterIndexValue&gt;   &lt;counterSeries&gt;{1,1}&lt;/counterSeries&gt;   &lt;counterType&gt;{1,1}&lt;/counterType&gt;   &lt;date&gt;{1,1}&lt;/date&gt;   &lt;number&gt;{1,1}&lt;/number&gt;   &lt;smartMeter&gt;{1,1}&lt;/smartMeter&gt;   &lt;status&gt;{1,1}&lt;/status&gt; &lt;/technicalData&gt;   </pre>						
Source	<pre> &lt;xs:element name="technicalData" type="anre:TechnicalData" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Poate fi de tip TechnicalDataElectricity sau TechnicalDataGas&lt;/     xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;   </pre>						

## Element anre:TechnicalData / counterIndexReadDate

Namespace	No namespace
-----------	--------------

Annotations	Data la care a fost citit contorul
Diagram	
Type	xs:date
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<pre>&lt;xs:element name="counterIndexReadDate" type="xs:date" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Data la care a fost citit contorul&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

### Element anre:TechnicalData / counterIndexValue

Namespace	No namespace
Annotations	Valoarea citita a contorului
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<pre>&lt;xs:element name="counterIndexValue" type="xs:string" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Valoarea citita a contorului&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

### Element anre:TechnicalData / counterSeries

Namespace	No namespace
Annotations	Serie contor
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<pre>&lt;xs:element name="counterSeries" type="xs:string" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Serie contor&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

### Element anre:TechnicalData / counterType

Namespace	No namespace
Diagram	
Type	anre:CounterType

Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	enumeration	ACTIVE
	enumeration	GAS
	enumeration	REACTIVE
Source	<xs:element name="counterType" type="anre:CounterType" minOccurs="1" maxOccurs="1"/>	

**Element anre:TechnicalData / date**

Namespace	No namespace
Annotations	data documentului tehnic
Diagram	<pre> classDiagram     date "1" -- "0..1" xsdate     date &lt;&lt;data documentului tehnic&gt;&gt;     xsdate &lt;&lt;Built-in primitive type. The date datatype represents a calendar date.&gt;&gt;   </pre>
Type	xs:date
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xs:element name="date" type="xs:date" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation>data documentului tehnic</xs:documentation> </xs:annotation> </xs:element>

**Element anre:TechnicalData / number**

Namespace	No namespace
Annotations	numarul documentului tehnic
Diagram	<pre> classDiagram     number "1" -- "0..1" xsstring     number &lt;&lt;numarul documentului tehnic&gt;&gt;     xsstring &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;   </pre>
Type	xs:string
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xs:element name="number" type="xs:string" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation>numarul documentului tehnic</xs:documentation> </xs:annotation> </xs:element>

**Element anre:TechnicalData / smartMeter**

Namespace	No namespace
Diagram	<pre> classDiagram     smartMeter "1" -- "0..1" xsboolean     smartMeter &lt;&lt;smartMeter&gt;&gt;     xsboolean &lt;&lt;Built-in primitive type. It defines the boolean values true and false.&gt;&gt;   </pre>
Type	xs:boolean
Properties	content: simple minOccurs: 1 maxOccurs: 1

Source	<code>&lt;xs:element name="smartMeter" type="xs:boolean" minOccurs="1" maxOccurs="1"/&gt;</code>
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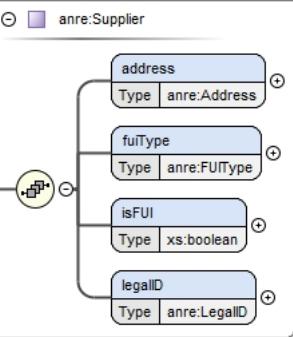
### Element anre:TechnicalData / status

Namespace	No namespace
Diagram	
Type	anre:TechnicalDataStatus
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Facets	<p>enumeration CONECTAT</p> <p>enumeration DECONECTAT</p>
Source	<code>&lt;xs:element name="status" type="anre:TechnicalDataStatus" minOccurs="1" maxOccurs="1"/&gt;</code>

### Element anre:Place / type

Namespace	No namespace
Annotations	ia valori conform tipului de data PlaceType
Diagram	
Type	anre:PlaceType
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Facets	<p>enumeration CLC</p> <p>enumeration POD</p>
Source	<code>&lt;xs:element name="type" type="anre:PlaceType" minOccurs="1" maxOccurs="1"&gt; &lt;xs:annotation&gt; &lt;xs:documentation&gt;ia valori conform tipului de data PlaceType&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:element&gt;</code>

### Element anre:Contract / previousSupplier

Namespace	No namespace
Diagram	
Type	anre:Supplier
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>

Model	address , fuiType , isFUI , legalID
Children	address, fuiType, isFUI, legalID
Instance	<pre>&lt;previousSupplier&gt;   &lt;address&gt;{1,1}&lt;/address&gt;   &lt;fuiType&gt;{1,1}&lt;/fuiType&gt;   &lt;isFUI&gt;{1,1}&lt;/isFUI&gt;   &lt;legalID number="" type=""&gt;{1,1}&lt;/legalID&gt; &lt;/previousSupplier&gt;</pre>
Source	<code>&lt;xss:element name="previousSupplier" type="anre:Supplier" minOccurs="1" maxOccurs="1"/&gt;</code>

### Element anre:Supplier / address

Namespace	No namespace						
Diagram	<pre> classDiagram     class anre:Address {         city         county         extended         number         position         street     }     class anre:City     class anre:County     class Judetul     class xs:string     class StreetNumber     class anre:Position     class anre:Address {         &lt;&lt;Extra address information like Building, Stair, Apartment, Floor&gt;&gt;     }     anre:Address "1..1" o-- anre:Address     anre:Address "*" o-- anre:Address   </pre>						
Type	anre:Address						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	city , county , extended , number , position{0,1} , street						
Children	city, county, extended, number, position, street						
Instance	<pre>&lt;address&gt;   &lt;city&gt;{1,1}&lt;/city&gt;   &lt;county&gt;{1,1}&lt;/county&gt;   &lt;extended&gt;{1,1}&lt;/extended&gt;   &lt;number&gt;{1,1}&lt;/number&gt;   &lt;position geohash="" latitude="" longitude=""&gt;{0,1}&lt;/position&gt;   &lt;street&gt;{1,1}&lt;/street&gt; &lt;/address&gt;</pre>						
Source	<code>&lt;xss:element name="address" type="anre:Address" minOccurs="1" maxOccurs="1"/&gt;</code>						

### Element anre:Supplier / fuiType

Namespace	No namespace				
Diagram	<pre> classDiagram     class anre:FUIType {         fuiType     }     anre:FUIType "1..1" o-- anre:FUIType   </pre>				
Type	anre:FUIType				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1
content:	simple				
minOccurs:	1				

	maxOccurs:	1
Facets	enumeration	DESEMNAT
	enumeration	NOMINALIZAT
Source	<xs:element name="fuiType" type="anre:FUIType" minOccurs="1" maxOccurs="1"/>	

**Element anre:Supplier / isFUI**

Namespace	No namespace						
Diagram							
Type	xs:boolean						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<xs:element name="isFUI" type="xs:boolean" minOccurs="1" maxOccurs="1"/>						

**Element anre:Supplier / legalID**

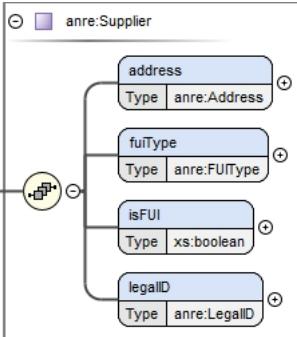
Namespace	No namespace												
Diagram													
Type	anre:LegalID												
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1						
content:	complex												
minOccurs:	1												
maxOccurs:	1												
Model													
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>number</td> <td>xs:string</td> <td>optional</td> </tr> <tr> <td></td> <td>CNP pentru cartea de identitate, CUI pentru societati, Numar pasaport pentru PASAPORT</td> <td></td> </tr> <tr> <td>type</td> <td>anre:LegalIDType</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	number	xs:string	optional		CNP pentru cartea de identitate, CUI pentru societati, Numar pasaport pentru PASAPORT		type	anre:LegalIDType	optional
QName	Type	Use											
number	xs:string	optional											
	CNP pentru cartea de identitate, CUI pentru societati, Numar pasaport pentru PASAPORT												
type	anre:LegalIDType	optional											
Source	<xs:element name="legalID" type="anre:LegalID" minOccurs="1" maxOccurs="1"/>												

**Element anre:Contract / startingDate**

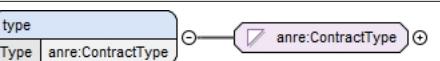
Namespace	No namespace
Diagram	
Type	xs:date

Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xss:element name="startingDate" type="xs:date" minOccurs="1" maxOccurs="1"/>

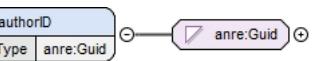
**Element anre:Contract / supplier**

Namespace	No namespace
Diagram	
Type	anre:Supplier
Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	address , fuiType , isFUI , legalID
Children	address, fuiType, isFUI, legalID
Instance	<supplier> <address>{1,1}</address> <fuiType>{1,1}</fuiType> <isFUI>{1,1}</isFUI> <legalID number="" type="">{1,1}</legalID> </supplier>
Source	<xss:element name="supplier" type="anre:Supplier" minOccurs="1" maxOccurs="1"/>

**Element anre:Contract / type**

Namespace	No namespace
Diagram	
Type	anre:ContractType
Properties	content: simple minOccurs: 1 maxOccurs: 1
Facets	enumeration FURNIZARE enumeration RETEA enumeration TRANSPORT
Source	<xss:element name="type" type="anre:ContractType" minOccurs="1" maxOccurs="1"/>

**Element anre:Message / authorID**

Namespace	No namespace
Diagram	
Type	anre:Guid

Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	length	32
Source	<xs:element name="authorID" type="anre:Guid" minOccurs="1" maxOccurs="1"/>	

### Element anre:Message / authorName

Namespace	No namespace						
Diagram							
Type	xs:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<xs:element name="authorName" type="xs:string" minOccurs="1" maxOccurs="1"/>						

### Element anre:Message / description

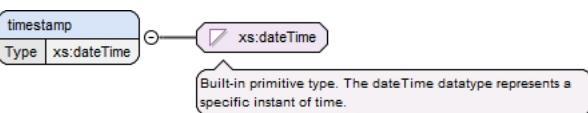
Namespace	No namespace						
Annotations	Human readable description of the message in Romanian.						
Diagram							
Type	xs:string						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xs:element name="description" type="xs:string" minOccurs="0" maxOccurs="1">   <xs:annotation>     <xs:documentation>Human readable description of the message in Romanian.</xs:documentation>   </xs:annotation> </xs:element>						

### Element anre:Message / messageID

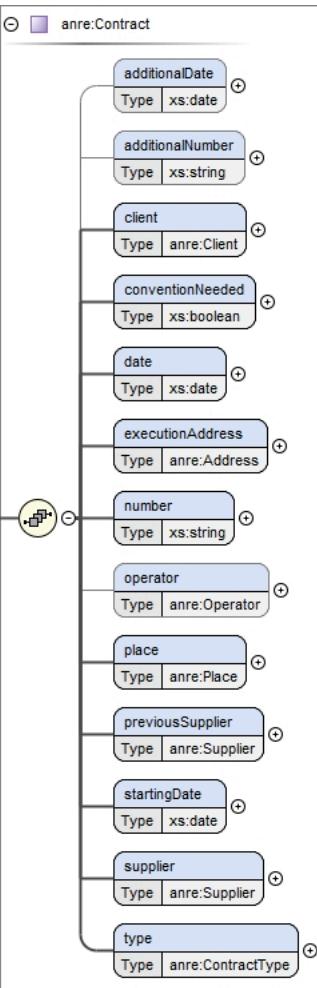
Namespace	No namespace						
Diagram							
Type	anre:Guid						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	length						
Source	<xs:element name="messageID" type="anre:Guid" minOccurs="1" maxOccurs="1"/>						

### Element anre:Message / timestamp

Namespace	No namespace
-----------	--------------

Diagram	
Type	xs:dateTime
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Source	<code>&lt;xs:element name="timestamp" type="xs:dateTime" minOccurs="1" maxOccurs="1"/&gt;</code>

**Element anre:ContractCancelledByClient / contract**

Namespace	No namespace
Diagram	
Type	anre:Contract
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Model	additionalDate{0,1} , additionalNumber{0,1} , client , conventionNeeded , date , executionAddress , number , operator{0,1} , place , previousSupplier , startingDate , supplier , type
Children	additionalDate, additionalNumber, client, conventionNeeded, date, executionAddress, number, operator, place, previousSupplier, startingDate, supplier, type
Instance	<code>&lt;contract&gt;   &lt;additionalDate&gt;{0,1}&lt;/additionalDate&gt;   &lt;additionalNumber&gt;{0,1}&lt;/additionalNumber&gt;   &lt;client&gt;{1,1}&lt;/client&gt;   &lt;conventionNeeded&gt;{1,1}&lt;/conventionNeeded&gt;</code>

	<pre> &lt;date&gt;{1,1}&lt;/date&gt; &lt;executionAddress&gt;{1,1}&lt;/executionAddress&gt; &lt;number&gt;{1,1}&lt;/number&gt; &lt;operator&gt;{0,1}&lt;/operator&gt; &lt;place&gt;{1,1}&lt;/place&gt; &lt;previousSupplier&gt;{1,1}&lt;/previousSupplier&gt; &lt;startingDate&gt;{1,1}&lt;/startingDate&gt; &lt;supplier&gt;{1,1}&lt;/supplier&gt; &lt;type&gt;{1,1}&lt;/type&gt; &lt;/contract&gt; </pre>
Source	<xss:element name="contract" type="anre:Contract" minOccurs="1" maxOccurs="1"/>

### Element anre:ContractCancelledBySupplier / contract

Namespace	No namespace						
Diagram	<pre> classDiagram     class contract {         additionalDate : xs:date         additionalNumber : xs:string         client : anre:Client         conventionNeeded : xs:boolean         date : xs:date         executionAddress : anre:Address         number : xs:string         operator : anre:Operator         place : anre:Place         previousSupplier : anre:Supplier         startingDate : xs:date         supplier : anre:Supplier         type : anre:ContractType     } </pre>						
Type	anre:Contract						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	additionalDate{0,1} , additionalNumber{0,1} , client , conventionNeeded , date , executionAddress , number , operator{0,1} , place , previousSupplier , startingDate , supplier , type						
Children	additionalDate, additionalNumber, client, conventionNeeded, date, executionAddress, number, operator, place, previousSupplier, startingDate, supplier, type						
Instance	<pre> &lt;contract&gt;   &lt;additionalDate&gt;{0,1}&lt;/additionalDate&gt;   &lt;additionalNumber&gt;{0,1}&lt;/additionalNumber&gt;   &lt;client&gt;{1,1}&lt;/client&gt;   &lt;conventionNeeded&gt;{1,1}&lt;/conventionNeeded&gt;   &lt;date&gt;{1,1}&lt;/date&gt;   &lt;executionAddress&gt;{1,1}&lt;/executionAddress&gt; </pre>						

	<pre> &lt;number&gt;{1,1}&lt;/number&gt; &lt;operator&gt;{0,1}&lt;/operator&gt; &lt;place&gt;{1,1}&lt;/place&gt; &lt;previousSupplier&gt;{1,1}&lt;/previousSupplier&gt; &lt;startDate&gt;{1,1}&lt;/startDate&gt; &lt;supplier&gt;{1,1}&lt;/supplier&gt; &lt;type&gt;{1,1}&lt;/type&gt; &lt;/contract&gt; </pre>
Source	<code>&lt;xs:element name="contract" type="anre:Contract" minOccurs="1" maxOccurs="1" /&gt;</code>

### Element anre:ContractNetworkSignedByOperator / contract

Namespace	No namespace						
Diagram	<pre> classDiagram     class anre:Contract {         additionalDate : xs:date         additionalNumber : xs:string         client : anre:Client         conventionNeeded : xs:boolean         date : xs:date         executionAddress : anre:Address         number : xs:string         operator : anre:Operator         place : anre:Place         previousSupplier : anre:Supplier         startingDate : xs:date         supplier : anre:Supplier         type : anre:ContractType     }     anre:Contract "0..1" -- "0..1" anre:Contract : contract </pre>						
Type	anre:Contract						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	additionalDate{0,1} , additionalNumber{0,1} , client , conventionNeeded , date , executionAddress , number , operator{0,1} , place , previousSupplier , startingDate , supplier , type						
Children	additionalDate, additionalNumber, client, conventionNeeded, date, executionAddress, number, operator, place, previousSupplier, startingDate, supplier, type						
Instance	<pre> &lt;contract&gt;     &lt;additionalDate&gt;{0,1}&lt;/additionalDate&gt;     &lt;additionalNumber&gt;{0,1}&lt;/additionalNumber&gt;     &lt;client&gt;{1,1}&lt;/client&gt;     &lt;conventionNeeded&gt;{1,1}&lt;/conventionNeeded&gt;     &lt;date&gt;{1,1}&lt;/date&gt;     &lt;executionAddress&gt;{1,1}&lt;/executionAddress&gt;     &lt;number&gt;{1,1}&lt;/number&gt;     &lt;operator&gt;{0,1}&lt;/operator&gt; </pre>						

	<pre> &lt;place&gt;{1,1}&lt;/place&gt; &lt;previousSupplier&gt;{1,1}&lt;/previousSupplier&gt; &lt;startingDate&gt;{1,1}&lt;/startingDate&gt; &lt;supplier&gt;{1,1}&lt;/supplier&gt; &lt;type&gt;{1,1}&lt;/type&gt; &lt;/contract&gt; </pre>
Source	<pre>&lt;xss:element name="contract" type="anre:Contract" minOccurs="1" maxOccurs="1"/&gt;</pre>

**Element anre:ContractSignedByClient / contract**

Namespace	No namespace						
Diagram	<pre> classDiagram     class contract {         additionalDate         additionalNumber         client         conventionNeeded         date         executionAddress         number         operator         place         previousSupplier         startingDate         supplier     }     class anre:Contract {         &lt;&gt; additionalDate         &lt;&gt; additionalNumber         &lt;&gt; client         &lt;&gt; conventionNeeded         &lt;&gt; date         &lt;&gt; executionAddress         &lt;&gt; number         &lt;&gt; operator         &lt;&gt; place         &lt;&gt; previousSupplier         &lt;&gt; startingDate         &lt;&gt; supplier     }     contract "1..*" --&gt; "1..*" anre:Contract :      anre:Contract "1..*" --&gt; "1..*" contract :  </pre>						
Type	anre:Contract						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	additionalDate{0,1} , additionalNumber{0,1} , client , conventionNeeded , date , executionAddress , number , operator{0,1} , place , previousSupplier , startingDate , supplier , type						
Children	additionalDate, additionalNumber, client, conventionNeeded, date, executionAddress, number, operator, place, previousSupplier, startingDate, supplier, type						
Instance	<pre> &lt;contract&gt;   &lt;additionalDate&gt;{0,1}&lt;/additionalDate&gt;   &lt;additionalNumber&gt;{0,1}&lt;/additionalNumber&gt;   &lt;client&gt;{1,1}&lt;/client&gt;   &lt;conventionNeeded&gt;{1,1}&lt;/conventionNeeded&gt;   &lt;date&gt;{1,1}&lt;/date&gt;   &lt;executionAddress&gt;{1,1}&lt;/executionAddress&gt;   &lt;number&gt;{1,1}&lt;/number&gt;   &lt;operator&gt;{0,1}&lt;/operator&gt;   &lt;place&gt;{1,1}&lt;/place&gt;   &lt;previousSupplier&gt;{1,1}&lt;/previousSupplier&gt; </pre>						

	<pre> &lt;startingDate&gt;{1,1}&lt;/startingDate&gt; &lt;supplier&gt;{1,1}&lt;/supplier&gt; &lt;type&gt;{1,1}&lt;/type&gt; &lt;/contract&gt; </pre>
Source	<pre>&lt;xss:element name="contract" type="anre:Contract" minOccurs="1" maxOccurs="1"/&gt;</pre>

### Element anre:ContractSignedBySupplier / contract

Namespace	No namespace						
Diagram	<pre> classDiagram     class anre:Contract {         additionalDate : xs:date         additionalNumber : xs:string         client : anre:Client         conventionNeeded : xs:boolean         date : xs:date         executionAddress : anre:Address         number : xs:string         operator : anre:Operator         place : anre:Place         previousSupplier : anre:Supplier         startingDate : xs:date         supplier : anre:Supplier         type : anre:ContractType     }     anre:Contract "0..1" --&gt; "0..1" anre:Contract : contract </pre>						
Type	anre:Contract						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	additionalDate{0,1} , additionalNumber{0,1} , client , conventionNeeded , date , executionAddress , number , operator{0,1} , place , previousSupplier , startingDate , supplier , type						
Children	additionalDate, additionalNumber, client, conventionNeeded, date, executionAddress, number, operator, place, previousSupplier, startingDate, supplier, type						
Instance	<pre> &lt;contract&gt;     &lt;additionalDate&gt;{0,1}&lt;/additionalDate&gt;     &lt;additionalNumber&gt;{0,1}&lt;/additionalNumber&gt;     &lt;client&gt;{1,1}&lt;/client&gt;     &lt;conventionNeeded&gt;{1,1}&lt;/conventionNeeded&gt;     &lt;date&gt;{1,1}&lt;/date&gt;     &lt;executionAddress&gt;{1,1}&lt;/executionAddress&gt;     &lt;number&gt;{1,1}&lt;/number&gt;     &lt;operator&gt;{0,1}&lt;/operator&gt;     &lt;place&gt;{1,1}&lt;/place&gt;     &lt;previousSupplier&gt;{1,1}&lt;/previousSupplier&gt;     &lt;startingDate&gt;{1,1}&lt;/startingDate&gt;     &lt;supplier&gt;{1,1}&lt;/supplier&gt;     &lt;type&gt;{1,1}&lt;/type&gt; </pre>						

	</contract>
Source	<xss:element name="contract" type="anre:Contract" minOccurs="1" maxOccurs="1"/>

## Element anre:Covention / contract

Namespace	No namespace						
Diagram	<pre> classDiagram     class anreContract {         additionalDate         additionalNumber         client         conventionNeeded         date         executionAddress         number         operator         place         previousSupplier         startingDate         supplier         type     }     anreContract &lt; -- contract     contract &lt;--&gt; contract   </pre>						
Type	anre:Contract						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	additionalDate{0,1} , additionalNumber{0,1} , client , conventionNeeded , date , executionAddress , number , operator{0,1} , place , previousSupplier , startingDate , supplier , type						
Children	additionalDate, additionalNumber, client, conventionNeeded, date, executionAddress, number, operator, place, previousSupplier, startingDate, supplier, type						
Instance	<pre> &lt;contract&gt;   &lt;additionalDate&gt;{0,1}&lt;/additionalDate&gt;   &lt;additionalNumber&gt;{0,1}&lt;/additionalNumber&gt;   &lt;client&gt;{1,1}&lt;/client&gt;   &lt;conventionNeeded&gt;{1,1}&lt;/conventionNeeded&gt;   &lt;date&gt;{1,1}&lt;/date&gt;   &lt;executionAddress&gt;{1,1}&lt;/executionAddress&gt;   &lt;number&gt;{1,1}&lt;/number&gt;   &lt;operator&gt;{0,1}&lt;/operator&gt;   &lt;place&gt;{1,1}&lt;/place&gt;   &lt;previousSupplier&gt;{1,1}&lt;/previousSupplier&gt;   &lt;startingDate&gt;{1,1}&lt;/startingDate&gt;   &lt;supplier&gt;{1,1}&lt;/supplier&gt;   &lt;type&gt;{1,1}&lt;/type&gt; &lt;/contract&gt;   </pre>						
Source	<xss:element name="contract" type="anre:Contract" minOccurs="1" maxOccurs="1"/>						

**Element anre:Covention / date**

Namespace	No namespace
Diagram	
Type	xs:date
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<code>&lt;xs:element name="date" type="xs:date" minOccurs="1" maxOccurs="1"/&gt;</code>

**Element anre:Covention / number**

Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<code>&lt;xs:element name="number" type="xs:string" minOccurs="1" maxOccurs="1"/&gt;</code>

**Element anre:PlaceCreatedByOperator / operator**

Namespace	No namespace
Annotations	The operator sending the message
Diagram	
Type	anre:Operator
Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	address , legalID
Children	address, legalID
Instance	<code>&lt;operator&gt;     &lt;address&gt;{1,1}&lt;/address&gt;     &lt;legalID number="" type=""&gt;{1,1}&lt;/legalID&gt; &lt;/operator&gt;</code>
Source	<code>&lt;xs:element name="operator" type="anre:Operator" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The operator sending the message&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</code>

**Element anre:PlaceCreatedByOperator / place**

Namespace	No namespace
Annotations	The newly created Place (POD/CLC)

Diagram							
Type	anre:Place						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	address , code , technicalData , type						
Children	address, code, technicalData, type						
Instance	<pre>&lt;place&gt;   &lt;address&gt;{1,1}&lt;/address&gt;   &lt;code&gt;{1,1}&lt;/code&gt;   &lt;technicalData&gt;{1,1}&lt;/technicalData&gt;   &lt;type&gt;{1,1}&lt;/type&gt; &lt;/place&gt;</pre>						
Source	<pre>&lt;xss:element name="place" type="anre:Place" minOccurs="1" maxOccurs="1"&gt;   &lt;xss:annotation&gt;     &lt;xss:documentation&gt;The newly created Place (POD/CLC)&lt;/xss:documentation&gt;   &lt;/xss:annotation&gt; &lt;/xss:element&gt;</pre>						

### Element anre:PlaceUpdatedByOperator / operator

Namespace	No namespace						
Annotations	Operatorul care a creat acest loc de consum						
Diagram							
Type	anre:Operator						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	address , legalID						
Children	address, legalID						
Instance	<pre>&lt;operator&gt;   &lt;address&gt;{1,1}&lt;/address&gt;   &lt;legalID number="" type=""&gt;{1,1}&lt;/legalID&gt; &lt;/operator&gt;</pre>						
Source	<pre>&lt;xss:element name="operator" type="anre:Operator" minOccurs="1" maxOccurs="1"&gt;   &lt;xss:annotation&gt;     &lt;xss:documentation&gt;Operatorul care a creat acest loc de consum&lt;/xss:documentation&gt;   &lt;/xss:annotation&gt; &lt;/xss:element&gt;</pre>						

**Element anre:PlaceUpdatedByOperator / place**

Namespace	No namespace						
Annotations	Locul de consum nou creat						
Diagram							
Type	anre:Place						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	address , code , technicalData , type						
Children	address, code, technicalData, type						
Instance	<pre>&lt;place&gt;   &lt;address&gt;{1,1}&lt;/address&gt;   &lt;code&gt;{1,1}&lt;/code&gt;   &lt;technicalData&gt;{1,1}&lt;/technicalData&gt;   &lt;type&gt;{1,1}&lt;/type&gt; &lt;/place&gt;</pre>						
Source	<pre>&lt;xss:element name="place" type="anre:Place" minOccurs="1" maxOccurs="1"&gt;   &lt;xss:annotation&gt;     &lt;xss:documentation&gt;Locul de consum nou creat&lt;/xss:documentation&gt;   &lt;/xss:annotation&gt; &lt;/xss:element&gt;</pre>						

**Element anre:TechnicalDataElectricity / approvedConsumptionPower**

Namespace	No namespace						
Annotations	Putere aprobată la consum în locul de consum, măsurată în Watt						
Diagram							
Type	xs:double						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre>&lt;xss:element name="approvedConsumptionPower" type="xs:double" minOccurs="1" maxOccurs="1"&gt;   &lt;xss:annotation&gt;     &lt;xss:documentation&gt;Putere aprobată la consum în locul de consum, măsurată în Watt&lt;/xss:documentation&gt;   &lt;/xss:annotation&gt; &lt;/xss:element&gt;</pre>						

**Element anre:TechnicalDataElectricity / approvedProducedPower**

Namespace	No namespace
-----------	--------------

Annotations	Putere aprobată la producție în locul de consum, măsurată în Watt
Diagram	
Type	xs:double
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<pre>&lt;xs:element name="approvedProducedPower" type="xs:double" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Putere aprobată la producție în locul de consum, măsurată în Watt&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

### Element anre:TechnicalDataElectricity / connectionType

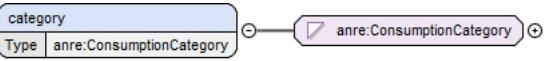
Namespace	No namespace
Annotations	conform tipului de date ConnectionType
Diagram	
Type	anre:ConnectionType
Properties	content: simple minOccurs: 1 maxOccurs: 1
Facets	enumeration MONOFAZAT enumeration TRIFAZAT
Source	<pre>&lt;xs:element name="connectionType" type="anre:ConnectionType" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;conform tipului de date ConnectionType&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

### Element anre:TechnicalDataElectricity / voltageLevel

Namespace	No namespace
Annotations	Tensiunea disponibilă în locul de consum, măsurată în Volt
Diagram	
Type	xs:double
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<pre>&lt;xs:element name="voltageLevel" type="xs:double" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Tensiunea disponibilă în locul de consum, măsurată în Volt&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

### Element anre:TechnicalDataGas / category

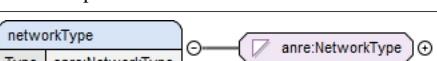
Namespace	No namespace
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Diagram	
Type	anre:ConsumptionCategory
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Facets	<p>enumeration C1</p> <p>enumeration C2</p> <p>enumeration C3</p>
Source	<code>&lt;xss:element name="category" type="anre:ConsumptionCategory" minOccurs="1" maxOccurs="1"/&gt;</code>

**Element anre:TechnicalDataGas / debit**

Namespace	No namespace
Annotations	Debitul disponibil in locul de consum
Diagram	 A callout box points from the xs:double element to the note: "Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]".
Type	xs:double
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Source	<code>&lt;xss:element name="debit" type="xs:double" minOccurs="1" maxOccurs="1"&gt;   &lt;xss:annotation&gt;     &lt;xss:documentation&gt;Debitul disponibil in locul de consum&lt;/xss:documentation&gt;   &lt;/xss:annotation&gt; &lt;/xss:element&gt;</code>

**Element anre:TechnicalDataGas / networkType**

Namespace	No namespace
Diagram	
Type	anre:NetworkType
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Facets	<p>enumeration CA</p> <p>enumeration D</p> <p>enumeration T</p>
Source	<code>&lt;xss:element name="networkType" type="anre:NetworkType" minOccurs="1" maxOccurs="1"/&gt;</code>

**Element anre:TechnicalDataGas / pressure**

Namespace	No namespace
Annotations	Presiunea disponibila in locul de consum
Diagram	 A callout box points from the xs:double element to the note: "Built-in primitive type. The double datatype corresponds to IEEE double-precision 64-bit floating point type [IEEE...]".
Type	xs:double

Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<pre>&lt;xs:element name="pressure" type="xs:double" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Presiunea disponibila in locul de consum&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

## Attribute(s)

### Attribute anre:Position / @geohash

Namespace	No namespace
Annotations	WGS84 GPS position encoded in 10 digits GeoHash as per <a href="https://en.wikipedia.org/wiki/Geohash">https://en.wikipedia.org/wiki/Geohash</a> Example for Bucharest center: sxfscrrhng
Type	xs:string
Properties	use: optional
Used by	Complex Type anre:Position
Source	<pre>&lt;xs:attribute name="geohash" use="optional" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;WGS84 GPS position encoded in 10 digits GeoHash as per <a href="https://en.wikipedia.org/wiki/Geohash">https://en.wikipedia.org/wiki/Geohash</a> Example for Bucharest center: sxfscrrhng&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre>

### Attribute anre:Position / @latitude

Namespace	No namespace
Annotations	Example latitude value for Bucharest center: 44.436339
Type	xs:string
Properties	use: optional
Used by	Complex Type anre:Position
Source	<pre>&lt;xs:attribute name="latitude" use="optional" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Example latitude value for Bucharest center: 44.436339&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre>

### Attribute anre:Position / @longitude

Namespace	No namespace
Annotations	Example longitude value for Bucharest center: 26.102571
Type	xs:string
Properties	use: optional
Used by	Complex Type anre:Position
Source	<pre>&lt;xs:attribute name="longitude" use="optional" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Example longitude value for Bucharest center: 26.102571&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre>

### Attribute anre:LegalID / @number

Namespace	No namespace
Annotations	CNP pentru cartea de identitate, CUI pentru societati, Numar pasaport pentru PASAPORT
Type	xs:string
Properties	use: optional
Used by	Complex Type anre:LegalID

Source	<pre>&lt;xs:attribute name="number" use="optional" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;CNP pentru cartea de identitate, CUI pentru societati, Numar pasaport pentru PASAPORT&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre>
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**Attribute anre:LegalID / @type**

Namespace	No namespace	
Type	anre:LegalIDType	
Properties	use: optional	
Facets	enumeration	CNP
	enumeration	CUI
	enumeration	OTHER
	enumeration	PASSPORT
Used by	Complex Type	anre:LegalID
Source	<pre>&lt;xs:attribute name="type" use="optional" type="anre:LegalIDType"/&gt;</pre>	