

User manual Of information System



User manual for external users of OTE public web – web services

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2023 OTE, a.s.

Revize dne:
26.6.2023

Document name:
User manual web services OTE

Date	Description of changes
4.8.2010	Description of changes after web services redesign
7.9.2010	Version for OTE comments
29.9.2010	Finalization of OTE comments
2.12.2010	Update for CR78
8.5.2012	Update for CR160
3.8.2016	Update for CR391
9.9.2021	Update for CR137
26.6.2023	Removal of services related to discontinued markets

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1 Web services

Web services allows automatic access to some data that are published on our web site (www.ote-cr.cz) The technology is wide-spread and has an implementation in many programming languages. For its use is necessary to have a program that will process, store and display to user.

Current implementation uses Python app.server Zope with SOAP library [SOAPpy 0.11.6](#) with server extension [SOASupport 0.7.2](#).

1.1 Compatibility

Services on current public web got through upgrade. Compatibility with previous client version (OTE Win client version 1.1.2.0 and OTE WWW services version 1.1.2.0) are not supported yet.

1.2 WSDL

Service is available at <http://www.ote-cr.cz/services/PublicDataService>. WSDL is available at same link by sending HTTP GET request, or at <http://www.ote-cr.cz/services/PublicDataService/wSDL>

WSDL Extract:

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:tns="http://www.ote-cr.cz/schema/service/public"
xmlns:tm="http://microsoft.com/wsdl/mime/textMatching/"
xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
targetNamespace="http://www.ote-cr.cz/schema/service/public"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <xs:schema elementFormDefault="qualified"
targetNamespace="http://www.ote-cr.cz/schema/service/public">
      <xs:import namespace="http://www.w3.org/2001/XMLSchema" />
      <xs:element name="GetRutList">
        <xs:complexType />
      </xs:element>
      <xs:element name="GetRutListResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Result">
              <xs:complexType>
                <xs:sequence>
                  <xs:element minOccurs="0" maxOccurs="unbounded"
name="Rut">
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element name="Id" type="xs:string" />
                        <xs:element minOccurs="0" name="Ean" >
                          <xs:simpleType>
                            <xs:restriction base="xs:string">
```

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```

                <xs:length value="13"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element minOccurs="0" name="Eic" >
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:length value="16"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
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type="xs:date" />
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name="SubjectSettlementDateElectricityFrom" type="xs:date" />
            <xs:element minOccurs="0"
name="SubjectSettlementDateElectricityTo" type="xs:date" />
                <xs:element minOccurs="0"
name="SubjectSettlementDateGasFrom" type="xs:date" />
                    <xs:element minOccurs="0"
name="SubjectSettlementDateGasTo" type="xs:date" />
                        <xs:element minOccurs="0"
name="DamElectricityValidityFrom" type="xs:date" />
                            <xs:element minOccurs="0"
name="DamElectricityValidityTo" type="xs:date" />
                                <xs:element minOccurs="0"
name="DamGasValidityFrom" type="xs:date" />
                                    <xs:element minOccurs="0"
name="DamGasValidityTo" type="xs:date" />
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name="DistributorElectricityFrom" type="xs:date" />
                                            <xs:element minOccurs="0"
name="DistributorElectricityTo" type="xs:date" />
                                                <xs:element minOccurs="0"
name="DistributorGasFrom" type="xs:date" />
                                                    <xs:element minOccurs="0"
name="DistributorGasTo" type="xs:date" />
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                                            </xs:sequence>
                                        </xs:complexType>
                                    </xs:element>
                                </xs:sequence>
                            </xs:complexType>
                        </xs:element>
                    <xs:element name="GetDamIndexE">
                        <xs:complexType>
                            <xs:sequence>
                                <xs:element name="StartDate" type="xs:date" />
                                <xs:element name="EndDate" type="xs:date" />
                            </xs:sequence>
                        </xs:complexType>
                    </xs:element>

```

```

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      <xs:complexType>
        <xs:sequence>
          <xs:element name="Result">
            <xs:complexType>
              <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="unbounded"
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                  <xs:complexType>
                    <xs:sequence>
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                      <xs:element name="EurRate" type="xs:decimal"/>
                      <xs:element name="BaseLoad"
type="xs:decimal"/>
                      <xs:element name="PeakLoad"
type="xs:decimal"/>
                      <xs:element name="OffpeakLoad"
type="xs:decimal"/>
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    </xs:element>
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                <xs:pattern value="\d{1,2}"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element minOccurs="0" name="EndHour" >
            <xs:simpleType>
              <xs:restriction base="xs:int">
                <xs:pattern value="\d{1,2}"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element minOccurs="0" name="InEur" type="xs:boolean"
/>
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    </xs:element>
    <xs:element name="GetDamPriceEResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Result">
            <xs:complexType>

```

```

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                    <xs:sequence>
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                        <xs:element name="Hour">
                            <xs:simpleType>
                                <xs:restriction base="xs:int">
                                    <xs:pattern value="\d{1,2}"/>
                                </xs:restriction>
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                        <xs:element name="Volume" type="xs:decimal"/>
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetDamAllE">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="StartDate" type="xs:date" />
            <xs:element name="EndDate" type="xs:date" />
            <xs:element minOccurs="0" name="StartHour" >
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                        <xs:pattern value="\d{1,2}"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element minOccurs="0" name="EndHour" >
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                </xs:simpleType>
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name="Item">

```

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```

        <xs:complexType>
            <xs:sequence>
                <xs:element name="Date" type="xs:date" />
                <xs:element name="Hour">
                    <xs:simpleType>
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                            <xs:pattern value="\d{1,2}" />
                        </xs:restriction>
                    </xs:simpleType>
                </xs:element>
                <xs:element minOccurs="0" name="PriceCZ"
type="xs:decimal"/>
                <xs:element minOccurs="0" name="SaleCZ"
type="xs:decimal"/>
                <xs:element minOccurs="0" name="PurchaseCZ"
type="xs:decimal"/>
                <xs:element minOccurs="0" name="PriceSK"
type="xs:decimal"/>
                <xs:element minOccurs="0" name="SaleSK"
type="xs:decimal"/>
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type="xs:decimal"/>
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name="TotalVolumeCZSK" type="xs:decimal"/>
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type="xs:decimal"/>
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/>
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    <xs:complexType>
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            <xs:element name="Result">
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```



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        <xs:sequence>
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name="Item">
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                    <xs:sequence>
                        <xs:element name="Date" type="xs:date" />
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type="tns:ProductType" maxOccurs="unbounded"/>
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetImPriceE">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="StartDate" type="xs:date" />
            <xs:element name="EndDate" type="xs:date" />
            <xs:element minOccurs="0" name="StartHour" >
                <xs:simpleType>
                    <xs:restriction base="xs:int">
                        <xs:pattern value="\d{1,2}"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element minOccurs="0" name="EndHour" >
                <xs:simpleType>
                    <xs:restriction base="xs:int">
                        <xs:pattern value="\d{1,2}"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetImPriceEResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="Result">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element minOccurs="0" maxOccurs="unbounded"
name="Item">
                            <xs:complexType>
                                <xs:sequence>
                                    <xs:element name="Date" type="xs:date" />
                                    <xs:element name="Hour">
                                        <xs:simpleType>
                                            <xs:restriction base="xs:int">
                                                <xs:pattern value="\d{1,2}"/>
                                            </xs:restriction>
                                        </xs:simpleType>
                                    </xs:sequence>
                                </xs:complexType>
                            </xs:element>
                        </xs:sequence>
                    </xs:complexType>
                </xs:element>
            </xs:sequence>
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    </xs:element>

```

```

                </xs:element>
                <xs:element name="Price" type="xs:decimal"/>
                <xs:element name="Volume" type="xs:decimal"/>
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    </xs:element>
</xs:sequence>
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</xs:complexType>
</xs:element>
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        <xs:sequence>
            <xs:element name="Version" type="tns:VersionType"/>
            <xs:element name="StartDate" type="xs:date" />
            <xs:element name="EndDate" type="xs:date" />
            <xs:element minOccurs="0" name="StartHour" >
                <xs:simpleType>
                    <xs:restriction base="xs:int">
                        <xs:pattern value="\d{1,2}"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element minOccurs="0" name="EndHour" >
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                        <xs:pattern value="\d{1,2}"/>
                    </xs:restriction>
                </xs:simpleType>
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    </xs:complexType>
</xs:element>
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    <xs:complexType>
        <xs:sequence>
            <xs:element name="Result">
                <xs:complexType>
                    <xs:sequence>
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name="Item">
                            <xs:complexType>
                                <xs:sequence>
                                    <xs:element name="Version"
type="tns:VersionType"/>
                                    <xs:element name="Date" type="xs:date" />
                                    <xs:element name="Hour" >
                                        <xs:simpleType>
                                            <xs:restriction base="xs:int">
                                                <xs:pattern value="\d{1,2}"/>
                                            </xs:restriction>
                                        </xs:simpleType>
                                    </xs:element>
                                </xs:sequence>
                            </xs:complexType>
                        </xs:element>
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>

```

```

type="xs:decimal" />
    <xs:element name="SystemImbalance"
type="xs:decimal" />
    <xs:element name="Sum" type="xs:decimal" />
    <xs:element name="PositiveImbalance"
type="xs:decimal" />
    <xs:element name="NegativeImbalance"
type="xs:decimal" />
    <xs:element name="RoundedImbalance"
type="xs:decimal" />
    <xs:element name="ReCost" type="xs:decimal" />
    <xs:element name="ImbalanceCost"
type="xs:decimal" />
    <xs:element name="SettlImbalancePrice"
type="xs:decimal" />
    <xs:element name="SettlCounterImbalancePrice"
type="xs:decimal" />
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    </xs:complexType>
    </xs:element>
    </xs:sequence>
    </xs:complexType>
    </xs:element>
    </xs:sequence>
    </xs:complexType>
    </xs:element>
    <xs:element name="GetDamPriceG">
    <xs:complexType>
    <xs:sequence>
    <xs:element name="StartDate" type="xs:date" />
    <xs:element name="EndDate" type="xs:date" />
    </xs:sequence>
    </xs:complexType>
    </xs:element>
    <xs:element name="GetDamPriceGResponse">
    <xs:complexType>
    <xs:sequence>
    <xs:element name="Result">
    <xs:complexType>
    <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded"
name="Item">
    <xs:complexType>
    <xs:sequence>
    <xs:element name="Date" type="xs:date" />
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    <xs:enumeration value="PM"/>
    <xs:enumeration value="DM"/>
    </xs:restriction>
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    </xs:element>
    <xs:element minOccurs="0" name="Price"
type="xs:decimal"/>
    
```

```

                                <xs:element minOccurs="0" name="Volume"
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                            </xs:sequence>
                        </xs:complexType>
                    </xs:element>
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element name="GetImPriceG">
            <xs:complexType>
                <xs:sequence>
                    <xs:element name="StartDate" type="xs:date" />
                    <xs:element name="EndDate" type="xs:date" />
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element name="GetImPriceGResponse">
            <xs:complexType>
                <xs:sequence>
                    <xs:element name="Result">
                        <xs:complexType>
                            <xs:sequence>
                                <xs:element minOccurs="0" maxOccurs="unbounded"
name="Item">
                                    <xs:complexType>
                                        <xs:sequence>
                                            <xs:element name="Date" type="xs:date" />
                                            <xs:element minOccurs="0" name="Price"
type="xs:decimal"/>
                                            <xs:element minOccurs="0" name="Volume"
type="xs:decimal"/>
                                            <xs:element minOccurs="0" name="MinPrice"
type="xs:decimal"/>
                                            <xs:element minOccurs="0" name="MaxPrice"
type="xs:decimal"/>
                                        </xs:sequence>
                                    </xs:complexType>
                                </xs:element>
                            </xs:sequence>
                        </xs:complexType>
                    </xs:element>
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element name="GetImbalanceSettlementG">
            <xs:complexType>
                <xs:sequence>
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                    <xs:element name="StartDate" type="xs:date" />
                    <xs:element name="EndDate" type="xs:date" />
                </xs:sequence>
            </xs:complexType>
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</xs:complexType>
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```

```

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                <xs:sequence>
                    <xs:element name="Result">
                        <xs:complexType>
                            <xs:sequence>
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name="Item">
                                    <xs:complexType>
                                        <xs:sequence>
                                            <xs:element name="Date" type="xs:date" />
                                            <xs:element name="Version"
type="tns:VersionType"/>
                                        <xs:element name="SystemImbalance"
type="xs:decimal" />
                                        <xs:element name="PositiveImbalance"
type="xs:decimal" />
                                        <xs:element name="NegativeImbalance"
type="xs:decimal" />
                                        <xs:element name="TransferTsDs"
type="xs:decimal" />
                                        <xs:element name="BalancingGasPrice"
type="xs:decimal" />
                                        <xs:element name="CnbRate" type="xs:decimal"
/>
                                        <xs:element name="BalancingGasSettlPrice"
type="xs:decimal" />
                                        <xs:element name="MissingBalancingGasPrice"
type="xs:decimal" />
                                        <xs:element name="ExcessiveBalancingGasPrice"
type="xs:decimal" />
                                        <xs:element name="Difference"
type="xs:decimal" />
                                        <xs:element name="OffToleranceDeviationPrice"
type="xs:decimal" />
                                    </xs:sequence>
                                </xs:complexType>
                            </xs:element>
                        </xs:sequence>
                    </xs:complexType>
                </xs:element>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:complexType name="ProductType">
        <xs:sequence>
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                <xs:simpleType>
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                        <xs:enumeration value="BaseLoad"/>
                        <xs:enumeration value="PeakLoad"/>
                        <xs:enumeration value="OffpeakLoad"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="Volume" type="xs:decimal" />
        </xs:sequence>
    </xs:complexType>

```

```

        <xs:element name="AveragePrice" type="xs:decimal" />
        <xs:element name="MinPrice" type="xs:decimal" />
        <xs:element name="MaxPrice" type="xs:decimal" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="VersionType">
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        <xs:enumeration value="0"/>
        <xs:enumeration value="1"/>
        <xs:enumeration value="2"/>
    </xs:restriction>
</xs:simpleType>
</xs:schema>
</wsdl:types>
<wsdl:message name="GetRutListSoapIn">
    <wsdl:part name="parameters" element="tns:GetRutList" />
</wsdl:message>
<wsdl:message name="GetRutListSoapOut">
    <wsdl:part name="parameters" element="tns:GetRutListResponse" />
</wsdl:message>
<wsdl:message name="GetDamIndexESoapIn">
    <wsdl:part name="parameters" element="tns:GetDamIndexE" />
</wsdl:message>
<wsdl:message name="GetDamIndexESoapOut">
    <wsdl:part name="parameters" element="tns:GetDamIndexEResponse" />
</wsdl:message>
<wsdl:message name="GetDamPriceESoapIn">
    <wsdl:part name="parameters" element="tns:GetDamPriceE" />
</wsdl:message>
<wsdl:message name="GetDamAlleESoapOut">
    <wsdl:part name="parameters" element="tns:GetDamAlleEResponse" />
</wsdl:message>
<wsdl:message name="GetDamAlleESoapIn">
    <wsdl:part name="parameters" element="tns:GetDamAlle" />
</wsdl:message>
<wsdl:message name="GetDamPriceESoapOut">
    <wsdl:part name="parameters" element="tns:GetDamPriceEResponse" />
</wsdl:message>
<wsdl:message name="GetBmPriceESoapIn">
    <wsdl:part name="parameters" element="tns:GetBmPriceE" />
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<wsdl:message name="GetBmPriceESoapOut">
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    <wsdl:part name="parameters" element="tns:GetImPriceE" />
</wsdl:message>
<wsdl:message name="GetImPriceESoapOut">
    <wsdl:part name="parameters" element="tns:GetImPriceEResponse" />
</wsdl:message>
<wsdl:message name="GetImbalanceSettlementESoapIn">
    <wsdl:part name="parameters" element="tns:GetImbalanceSettlementE"
/>
</wsdl:message>
<wsdl:message name="GetImbalanceSettlementESoapOut">

```

```

    <wsdl:part name="parameters"
element="tns:GetImbalanceSettlementEResponse" />
  </wsdl:message>
  <wsdl:message name="GetDamPriceGSoapIn">
    <wsdl:part name="parameters" element="tns:GetDamPriceG" />
  </wsdl:message>
  <wsdl:message name="GetDamPriceGSoapOut">
    <wsdl:part name="parameters" element="tns:GetDamPriceGResponse" />
  </wsdl:message>
  <wsdl:message name="GetImPriceGSoapIn">
    <wsdl:part name="parameters" element="tns:GetImPriceG" />
  </wsdl:message>
  <wsdl:message name="GetImPriceGSoapOut">
    <wsdl:part name="parameters" element="tns:GetImPriceGResponse" />
  </wsdl:message>
  <wsdl:message name="GetImbalanceSettlementGSoapIn">
    <wsdl:part name="parameters" element="tns:GetImbalanceSettlementG"
/>
  </wsdl:message>
  <wsdl:message name="GetImbalanceSettlementGSoapOut">
    <wsdl:part name="parameters"
element="tns:GetImbalanceSettlementGResponse" />
  </wsdl:message>
  <wsdl:portType name="PublicDataServiceSoap">
    <wsdl:operation name="GetRutList">
      <xs:documentation xmlns="http://schemas.xmlsoap.org/wsdl/">Vrací
seznam všech registrovaných účastníků trhu</xs:documentation>
      <wsdl:input message="tns:GetRutListSoapIn" />
      <wsdl:output message="tns:GetRutListSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetDamIndexE">
      <documentation xmlns="http://schemas.xmlsoap.org/wsdl/">Vrací
indexy krátkodobého obchodu za elektřinu pro zadané
období</documentation>
      <wsdl:input message="tns:GetDamIndexESoapIn" />
      <wsdl:output message="tns:GetDamIndexESoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetDamPriceE">
      <documentation xmlns="http://schemas.xmlsoap.org/wsdl/">Vrací
hodnotu energie a cenu v EUR po hodnách z denního trhu s elektřinou
pro zadané období</documentation>
      <wsdl:input message="tns:GetDamPriceESoapIn" />
      <wsdl:output message="tns:GetDamPriceESoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetDamAlle">
      <documentation xmlns="http://schemas.xmlsoap.org/wsdl/">Vrací
výsledky společného denního trhu CR a SR</documentation>
      <wsdl:input message="tns:GetDamAlleSoapIn" />
      <wsdl:output message="tns:GetDamAlleSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetBmPriceE">
      <documentation xmlns="http://schemas.xmlsoap.org/wsdl/">Vrací
ceny a množství z krátkodobého trhu za elektřinu pro zadané
období</documentation>
      <wsdl:input message="tns:GetBmPriceESoapIn" />
      <wsdl:output message="tns:GetBmPriceESoapOut" />

```

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```
</wsdl:operation>
<wsdl:operation name="GetImPriceE">
  <documentation xmlns="http://schemas.xmlsoap.org/wsdl/">Vrací
ceny a množství za vnitrodenní obchody s elektřinou pro zadané
období</documentation>
  <wsdl:input message="tns:GetImPriceESoapIn" />
  <wsdl:output message="tns:GetImPriceESoapOut" />
</wsdl:operation>
<wsdl:operation name="GetImbalanceSettlementE">
  <documentation xmlns="http://schemas.xmlsoap.org/wsdl/">Vrací
výsledky zúčtování odchylek za elektřinu pro zadané
období</documentation>
  <wsdl:input message="tns:GetImbalanceSettlementESoapIn" />
  <wsdl:output message="tns:GetImbalanceSettlementESoapOut" />
</wsdl:operation>
<wsdl:operation name="GetDamPriceG">
  <documentation xmlns="http://schemas.xmlsoap.org/wsdl/">Vrací
ceny a množství denního tru s plynem pro zadané období</documentation>
  <wsdl:input message="tns:GetDamPriceGSoapIn" />
  <wsdl:output message="tns:GetDamPriceGSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetImPriceG">
  <documentation xmlns="http://schemas.xmlsoap.org/wsdl/">Vrací
ceny a množství vnitrodenního tru s plynem pro zadané
období</documentation>
  <wsdl:input message="tns:GetImPriceGSoapIn" />
  <wsdl:output message="tns:GetImPriceGSoapOut" />
</wsdl:operation>
<wsdl:operation name="GetImbalanceSettlementG">
  <documentation xmlns="http://schemas.xmlsoap.org/wsdl/">Vrací
výsledky zúčtování odchylek za plyn a pro zadané
období</documentation>
  <wsdl:input message="tns:GetImbalanceSettlementGSoapIn" />
  <wsdl:output message="tns:GetImbalanceSettlementGSoapOut" />
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="PublicDataServiceSoap"
type="tns:PublicDataServiceSoap">
  <soap:binding transport="http://schemas.xmlsoap.org/soap/http"
style="document" />
  <wsdl:operation name="GetRutList">
    <soap:operation soapAction="http://www.ote-
cr.cz/schema/service/public/GetRutList" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="GetDamIndexE">
    <soap:operation soapAction="http://www.ote-
cr.cz/schema/service/public/GetDamIndexE" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
  </wsdl:operation>
</wsdl:binding>
</wsdl:service>
</wsdl:definitions>
```

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```

        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetDamPriceE">
        <soap:operation soapAction="http://www.ote-
cr.cz/schema/service/public/GetDamPriceE" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetDamAlle">
        <soap:operation soapAction="http://www.ote-
cr.cz/schema/service/public/GetDamAlle" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetBmPriceE">
        <soap:operation soapAction="http://www.ote-
cr.cz/schema/service/public/GetBmPriceE" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetImbalanceSettlementE">
        <soap:operation soapAction="http://www.ote-
cr.cz/schema/service/public/GetImbalanceSettlementE" style="document"
/>
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetImPriceE">
        <soap:operation soapAction="http://www.ote-
cr.cz/schema/service/public/GetImPriceE" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetDamPriceG">

```

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```
<soap:operation soapAction="http://www.ote-
cr.cz/schema/service/public/GetDamPriceG" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetImPriceG">
  <soap:operation soapAction="http://www.ote-
cr.cz/schema/service/public/GetImPriceG" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetImbalanceSettlementG">
  <soap:operation soapAction="http://www.ote-
cr.cz/schema/service/public/GetImbalanceSettlementG" style="document"
/>
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
</wsdl:operation>
</wsdl:binding>
<wsdl:service name="PublicDataService">
  <documentation xmlns="http://schemas.xmlsoap.org/wsdl/" />
  <wsdl:port name="PublicDataServiceSoap"
binding="tns:PublicDataServiceSoap">
    <soap:address location="http://www.ote-
cr.cz/services/PublicDataService" />
  </wsdl:port>
</wsdl:service>
</wsdl:definitions>
```

1.3 Services and formats

All services export data in XML format including XSD definition.

Services list (case sensitive!):

- GetDamIndexE (previous GetOKOIndex)
- GetRutList (previous GetRUTList)
- GetDamPriceE (previous GetOKOCenyHod)
- GetDamAllE (previous GetDAMPriceHour)

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- GetImbalanceSettlementE(previous GetVicenaklady)
- GetImPriceE (new)
- GetImPriceG (new)
- GetImbalanceNCBALSettlementG (new)

Types of output parameters:

- date – xsd:date
- hour – hour no. interval 1-25

1.3.1 GetDamIndexE

Returns electricity Short-term Market indexes for given period.

Input parameters:

- StartDate - date from
- EndDate - date to

Output structure with elements:

- Date - date according to W3C (<http://www.w3.org/TR/2004/REC-xmlschema-2-20041028/datatypes.html#date>)
- EurRate – exchange rate ČNB for given day
- BaseLoad – BaseLoad index value
- PeakLoad - PeakLoad index value
- OffpeakLoad – OffpeakLoad index value
- Emerg - value of the state of emergency (1 state of emergency was declared, 0 was not)

Example - Input request:

```
<?xml version="1.0" encoding="utf-8" ?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:pub="http://www.ote-cr.cz/schema/service/public">
  <soapenv:Header/>
  <soapenv:Body>
    <pub:GetDamIndexE>
      <pub:StartDate>2010-01-01</pub:StartDate>
      <pub:EndDate>2010-01-02</pub:EndDate>
    </pub:GetDamIndexE>
  </soapenv:Body>
</soapenv:Envelope>
```

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```
</soapenv:Envelope>
```

Example – output:

```
<?xml version="1.0" encoding="utf-8" ?>
<SOAP-ENV:Envelope SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <GetDamIndexEResponse xmlns="http://www.ote-
cr.cz/schema/service/public">
      <Result>
        <DamIndex>
          <Date>2010-01-01</Date>
          <EurRate>26.4</EurRate>
          <BaseLoad>9.15</BaseLoad>
          <PeakLoad>12.94</PeakLoad>
          <OffpeakLoad>5.36</OffpeakLoad>
        </DamIndex>
        <DamIndex>
          <Date>2010-01-02</Date>
          <EurRate>26.465</EurRate>
          <BaseLoad>29.88</BaseLoad>
          <PeakLoad>43.5</PeakLoad>
          <OffpeakLoad>16.26</OffpeakLoad>
          <Emerg>0</Emerg>
        </DamIndex>
      </Result>
    </GetDamIndexEResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

1.3.2 GetRutList

Returns list of all registered market participants.

No input parameters.

Output structure with elements:

- Id - Unique participant identifier (RMP) in IS OTE
- Ean - European article number, participant code (length 13)
- Eic – RMP unique identifier via EIC
- VatNo – Vat Reg. number
- Company – Company name
- RegistrationDate – Registration date (creating RMP in IS)
- SubjectSettlementDateElectricityFrom – Validity date from - Subject of Settlement - electricity

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- SubjectSettlementDateElectricityTo - Validity date to - Subject of Settlement - electricity
- SubjectSettlementDateGasFrom - Validity date from - Subject of Settlement - gas
- SubjectSettlementDateGasTo - Validity date to - Subject of Settlement - gas
- DamElectricityValidityFrom – Validity date from – access to DM - electricity
- DamElectricityValidityTo - Validity date to – access to DM - electricity
- DamGasValidityFrom - Validity date from – access to DM - gas
- DamGasValidityTo - Validity date to – access to DM - gas
- DistributorElectricityFrom - Validity date from – distributor licence - electricity
- DistributorElectricityTo - Validity date to – distributor licence - electricity
- DistributorGasFrom - Validity date from – distributor licence - gas
- DistributorGasTo - Validity date to – distributor licence – gas

Example - Input request:

```
<?xml version="1.0" encoding="utf-8" ?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:pub="http://www.ote-cr.cz/schema/service/public">
  <soapenv:Header/>
  <soapenv:Body>
    <pub:GetRutList/>
  </soapenv:Body>
</soapenv:Envelope>
```

Example – output:

```
<?xml version="1.0" encoding="UTF-8" ?>
<SOAP-ENV:Envelope SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <GetRutListResponse xmlns="http://www.ote-
cr.cz/schema/service/public">
      <Result>
        <Rut>
          <Id>3</Id>
          <Ean>8591824000304</Ean>
          <VatNo>70894451</VatNo>
          <Company>3</Company>
          <RegistrationDate>2002-04-11</RegistrationDate>
          <DamElectricityValidityFrom>2002-04-
12</DamElectricityValidityFrom>
          <DamElectricityValidityTo>5000-01-
01</DamElectricityValidityTo>
```

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```

</Rut>
<Rut>
  <Id>5</Id>
  <Ean>8591824000502</Ean>
  <VatNo>46900896</VatNo>
  <Company>5</Company>
  <RegistrationDate>2004-04-02</RegistrationDate>
</Rut>
<Rut>
  <Id>6</Id>
  <Ean>8591824000601</Ean>
  <VatNo>00020699</VatNo>
  <Company>6</Company>
  <RegistrationDate>2004-06-30</RegistrationDate>
</Rut>
<Rut>
  <Id>20</Id>
  <Ean>8591824001905</Ean>
  <Eic>24X-OT-SK-----V</Eic>
  <VatNo>35829141</VatNo>
  <Company>20</Company>
  <RegistrationDate>2009-08-20</RegistrationDate>
</Rut>
<Rut>
  <Id>21</Id>
  <Ean>8591824002100</Ean>
  <Eic>10XSK-SEPS-GRIDB</Eic>
  <VatNo>35829141</VatNo>
  <Company>21</Company>
  <RegistrationDate>2009-08-20</RegistrationDate>
</Rut>
<Rut>
  <Id>98</Id>
  <Ean>8591824009802</Ean>
  <VatNo>27865444</VatNo>
  <Company>98</Company>
  <RegistrationDate>2007-05-15</RegistrationDate>
  <DamElectricityValidityFrom>2009-03-
31</DamElectricityValidityFrom>
  <DamElectricityValidityTo>5000-01-
01</DamElectricityValidityTo>
</Rut>
<Rut>
  <Id>99</Id>
  <Ean>8591824009901</Ean>
  <VatNo>49546392</VatNo>
  <Company>99</Company>
  <RegistrationDate>2003-06-13</RegistrationDate>
</Rut>
<Rut>
  <Id>101</Id>
  <Ean>8591824010105</Ean>
  <VatNo>25702556</VatNo>
  <Company>101</Company>
  <RegistrationDate>2001-12-10</RegistrationDate>
</Rut>

```

```
<Rut>
  <Id>283</Id>
  <Ean>8591824028308</Ean>
  <Eic>27XG-CENTROPOL-P</Eic>
  <VatNo>25458302</VatNo>
  <Company>283</Company>
  <RegistrationDate>2003-04-14</RegistrationDate>
  <SubjectSettlementDateElectricityFrom>2007-10-
31</SubjectSettlementDateElectricityFrom>
  <SubjectSettlementDateElectricityTo>2013-03-
01</SubjectSettlementDateElectricityTo>
  <DamElectricityValidityFrom>2007-10-
31</DamElectricityValidityFrom>
  <DamElectricityValidityTo>2013-03-
01</DamElectricityValidityTo>
</Rut>
</Result>
</GetRutListResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

1.3.3 GetDamPriceE (previous GetOKOCenyHod)

Returns energy and price (EUR) per hours from electricity day market for given period.

Input parameters

- StartDate – date from
- EndDate – date to
- StartHour - hour from
- EndHour - hour to
- InEur – optional parameter boolean type. If is set True, the service returns price (EUR) rounded at 2 decimal places, else returns price (CZK). Price in CZK is calculated according to ČNB exchange rate from date, which is equal (or older) than delivery day.

Output structure with elements:

- Date - date according to W3C (<http://www.w3.org/TR/2004/REC-xmlschema-2-20041028/datatypes.html#date>)
- Hour – Hour No.
- Price - Price [EUR/MWh]
- Volume - traded volume [MWh]
- Emerg - value of the state of emergency (1 state of emergency was declared, 0 was not)

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Example - Input request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:pub="http://www.ote-cr.cz/schema/service/public">
  <soapenv:Header/>
  <soapenv:Body>
    <pub:GetDamPriceE>
      <pub:StartDate>2010-01-01</pub:StartDate>
      <pub:EndDate>2010-01-02</pub:EndDate>
      <!--Optional:-->
      <pub:StartHour>1</pub:StartHour>
      <!--Optional:-->
      <pub:EndHour>24</pub:EndHour>
      <!--Optional:-->
      <pub:InEur>false</pub:InEur>
    </pub:GetDamPriceE>
  </soapenv:Body>
</soapenv:Envelope>
```

Example – Output:

```
<?xml version="1.0" encoding="UTF-8" ?>
<SOAP-ENV:Envelope SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <GetDamPriceEResponse xmlns="http://www.ote-
cr.cz/schema/service/public">
      <Result>
        <Item>
          <Date>2010-01-01</Date>
          <Hour>1</Hour>
          <Price>52.8</Price>
          <Volume>325.7</Volume>
        </Item>
        <Item>
          <Date>2010-01-01</Date>
          <Hour>2</Hour>
          <Price>26.4</Price>
          <Volume>311.4</Volume>
        </Item>
        <Item>
          <Date>2010-01-01</Date>
          <Hour>3</Hour>
          <Price>0.264</Price>
          <Volume>333.9</Volume>
        </Item>
        <Item>
          <Date>2010-01-01</Date>
          <Hour>4</Hour>
          <Price>0.264</Price>
          <Volume>257.6</Volume>
        </Item>
        <Item>
          <Date>2010-01-01</Date>
```



```

        <Hour>5</Hour>
        <Price>0.264</Price>
        <Volume>207.6</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>6</Hour>
        <Price>0.264</Price>
        <Volume>380.2</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>7</Hour>
        <Price>0.264</Price>
        <Volume>376.1</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>8</Hour>
        <Price>0.264</Price>
        <Volume>279.4</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>9</Hour>
        <Price>0.264</Price>
        <Volume>361.8</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>10</Hour>
        <Price>0.264</Price>
        <Volume>512.7</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>11</Hour>
        <Price>26.4</Price>
        <Volume>588</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>12</Hour>
        <Price>26.4</Price>
        <Volume>646.7</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>13</Hour>
        <Price>26.4</Price>
        <Volume>710.5</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>14</Hour>
        <Price>26.4</Price>
    
```

```

        <Volume>539.6</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>15</Hour>
        <Price>264</Price>
        <Volume>503.4</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>16</Hour>
        <Price>396</Price>
        <Volume>478</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>17</Hour>
        <Price>615.12</Price>
        <Volume>476.1</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>18</Hour>
        <Price>872.256</Price>
        <Volume>482.2</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>19</Hour>
        <Price>924</Price>
        <Volume>481.3</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>20</Hour>
        <Price>922.152</Price>
        <Volume>484.5</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>21</Hour>
        <Price>798.6</Price>
        <Volume>434</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>22</Hour>
        <Price>396</Price>
        <Volume>393.6</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>23</Hour>
        <Price>396</Price>
        <Volume>390.8</Volume>
    </Item>

```

```
<Item>
  <Date>2010-01-01</Date>
  <Hour>24</Hour>
  <Price>26.4</Price>
  <Volume>360.6</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>1</Hour>
  <Price>396.975</Price>
  <Volume>292.3</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>2</Hour>
  <Price>26.465</Price>
  <Volume>316.3</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>3</Hour>
  <Price>26.465</Price>
  <Volume>266.6</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>4</Hour>
  <Price>26.465</Price>
  <Volume>276.1</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>5</Hour>
  <Price>26.465</Price>
  <Volume>278.7</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>6</Hour>
  <Price>26.465</Price>
  <Volume>269.7</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>7</Hour>
  <Price>26.465</Price>
  <Volume>262.2</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>8</Hour>
  <Price>529.3</Price>
  <Volume>293.7</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
```

```
<Hour>9</Hour>
<Price>793.95</Price>
<Volume>252.3</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>10</Hour>
  <Price>952.74</Price>
  <Volume>301.9</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>11</Hour>
  <Price>1124.2332</Price>
  <Volume>356.6</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>12</Hour>
  <Price>1170.2823</Price>
  <Volume>389.7</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>13</Hour>
  <Price>1208.3919</Price>
  <Volume>388.6</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>14</Hour>
  <Price>1095.651</Price>
  <Volume>410.2</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>15</Hour>
  <Price>1047.22005</Price>
  <Volume>360.4</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>16</Hour>
  <Price>947.9763</Price>
  <Volume>374.5</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>17</Hour>
  <Price>1200.9817</Price>
  <Volume>422.9</Volume>
</Item>
<Item>
  <Date>2010-01-02</Date>
  <Hour>18</Hour>
  <Price>1423.817</Price>
```

```
        <Volume>470.1</Volume>
    </Item>
    <Item>
        <Date>2010-01-02</Date>
        <Hour>19</Hour>
        <Price>1471.71865</Price>
        <Volume>462.6</Volume>
    </Item>
    <Item>
        <Date>2010-01-02</Date>
        <Hour>20</Hour>
        <Price>1378.03255</Price>
        <Volume>401.4</Volume>
    </Item>
    <Item>
        <Date>2010-01-02</Date>
        <Hour>21</Hour>
        <Price>1259.734</Price>
        <Volume>446.7</Volume>
    </Item>
    <Item>
        <Date>2010-01-02</Date>
        <Hour>22</Hour>
        <Price>1045.8968</Price>
        <Volume>436.3</Volume>
    </Item>
    <Item>
        <Date>2010-01-02</Date>
        <Hour>23</Hour>
        <Price>979.205</Price>
        <Volume>401.2</Volume>
    </Item>
    <Item>
        <Date>2010-01-02</Date>
        <Hour>24</Hour>
        <Price>793.95</Price>
        <Volume>384.5</Volume>
    </Item>
</Result>
</GetDamPriceEResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

1.3.4 GetDamAllE (previous GetDAMPriceHour)

Returns results of settlement common day market CZ-SK.

Input parameters:

- StartDate – date from
- EndDate – date to
- StartHour - hour from
- EndHour - hour to

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- InEur – optional parameter boolean type. If is set True, the service returns price (EUR) rounded at 2 decimal places, else returns price (CZK). Price in CZK is calculated according to ČNB exchange rate from date, which is equal (or older) than delivery day.

Output structure with elements:

- Date - date according to W3C (<http://www.w3.org/TR/2004/REC-xmlschema-2-20041028/datatypes.html#date>)
- Hour – Hour No.
- PriceCZ – Price CZ [EUR/MWh]
- VolumeCZ – traded volume CZ [MWh]
- FlowCZSK – Border-crossing flow CZ->SK [MWh]
- FlowSKCR – Border-crossing flow SK->CZ [MWh]
- ImportCZ – SK->CZ MCC [MWh]
- ExportCZ – CZ->SK MCC [MWh]
- Emerg - value of the state of emergency (1 state of emergency was declared, 0 was not)

Example - Input request:

```
<?xml version="1.0" encoding="utf-8" ?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:pub="http://www.ote-cr.cz/schema/service/public">
  <soapenv:Header/>
  <soapenv:Body>
    <pub:GetDamAlle>
      <pub:StartDate>2012-05-30</pub:StartDate>
      <pub:EndDate>2010-05-30</pub:EndDate>
      <!--Optional:-->
      <pub:StartHour>1</pub:StartHour>
      <!--Optional:-->
      <pub:EndHour>25</pub:EndHour>
      <!--Optional:-->
      <pub:InEur>>false</pub:InEur>
    </pub:GetDamAlle>
  </soapenv:Body>
</soapenv:Envelope>
```

Example – Output:

```
<?xml version="1.0" encoding="utf-8" ?>
<SOAP-ENV:Envelope SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
```

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```

<SOAP-ENV:Body>
  <GetDamAllEResponse xmlns="http://www.ote-
cr.cz/schema/service/public">
    <Result>
      <Item>
        <Date>2012-05-30</Date>
        <Hour>1</Hour>
        <PriceCZ>-3000</PriceCZ>
        <VolumeCZ>300</VolumeCZ>
        <FlowCZSK>100.0</FlowCZSK>
        <FlowSKCR>0.0</FlowSKCR>
        <ImportCZ>100.0</ImportCZ>
        <ExportCZ>100.0</ExportCZ>
      </Item>
      <Item>
        <Date>2012-05-30</Date>
        <Hour>2</Hour>
        <PriceCZ>-3000</PriceCZ>
        <VolumeCZ>300</VolumeCZ>
        <FlowCZSK>100.0</FlowCZSK>
        <FlowSKCR>0.0</FlowSKCR>
        <ImportCZ>100.0</ImportCZ>
        <ExportCZ>100.0</ExportCZ>
      </Item>
      <Item>
        <Date>2012-05-30</Date>
        <Hour>3</Hour>
        <PriceCZ>-3000</PriceCZ>
        <VolumeCZ>120</VolumeCZ>
        <FlowCZSK>20.0</FlowCZSK>
        <FlowSKCR>0.0</FlowSKCR>
        <ImportCZ>100.0</ImportCZ>
        <ExportCZ>100.0</ExportCZ>
      </Item>
      <Item>
        <Date>2012-05-30</Date>
        <Hour>4</Hour>
        <PriceCZ>-3000</PriceCZ>
        <VolumeCZ>200</VolumeCZ>
        <FlowCZSK>100.0</FlowCZSK>
        <FlowSKCR>0.0</FlowSKCR>
        <ImportCZ>100.0</ImportCZ>
        <ExportCZ>100.0</ExportCZ>
      </Item>
      <Item>
        <Date>2012-05-30</Date>
        <Hour>5</Hour>
        <PriceCZ>2230</PriceCZ>
        <VolumeCZ>220</VolumeCZ>
        <FlowCZSK>0.0</FlowCZSK>
        <FlowSKCR>100.0</FlowSKCR>
        <ImportCZ>100.0</ImportCZ>
        <ExportCZ>100.0</ExportCZ>
      </Item>
      <Item>
        <Date>2012-05-30</Date>
    
```

```
<Hour>6</Hour>
<PriceCZ>3000</PriceCZ>
<VolumeCZ>102.9</VolumeCZ>
<FlowCZSK>0.0</FlowCZSK>
<FlowSKCR>32.9</FlowSKCR>
<ImportCZ>100.0</ImportCZ>
<ExportCZ>100.0</ExportCZ>
</Item>
<Item>
  <Date>2012-05-30</Date>
  <Hour>7</Hour>
  <PriceCZ>3000</PriceCZ>
  <VolumeCZ>140</VolumeCZ>
  <FlowCZSK>40.0</FlowCZSK>
  <FlowSKCR>0.0</FlowSKCR>
  <ImportCZ>200.0</ImportCZ>
  <ExportCZ>200.0</ExportCZ>
</Item>
<Item>
  <Date>2012-05-30</Date>
  <Hour>8</Hour>
  <PriceCZ>3000</PriceCZ>
  <VolumeCZ>150</VolumeCZ>
  <FlowCZSK>0.0</FlowCZSK>
  <FlowSKCR>50.0</FlowSKCR>
  <ImportCZ>50.0</ImportCZ>
  <ExportCZ>50.0</ExportCZ>
</Item>
<Item>
  <Date>2012-05-30</Date>
  <Hour>9</Hour>
  <PriceCZ>0</PriceCZ>
  <VolumeCZ>0</VolumeCZ>
  <FlowCZSK>0.0</FlowCZSK>
  <FlowSKCR>0.0</FlowSKCR>
  <ImportCZ>0.0</ImportCZ>
  <ExportCZ>0.0</ExportCZ>
</Item>
<Item>
  <Date>2012-05-30</Date>
  <Hour>10</Hour>
  <PriceCZ>0</PriceCZ>
  <VolumeCZ>0</VolumeCZ>
  <FlowCZSK>0.0</FlowCZSK>
  <FlowSKCR>0.0</FlowSKCR>
  <ImportCZ>0.0</ImportCZ>
  <ExportCZ>0.0</ExportCZ>
</Item>
<Item>
  <Date>2012-05-30</Date>
  <Hour>11</Hour>
  <PriceCZ>0</PriceCZ>
  <VolumeCZ>0</VolumeCZ>
  <FlowCZSK>0.0</FlowCZSK>
  <FlowSKCR>0.0</FlowSKCR>
  <ImportCZ>0.0</ImportCZ>
```



```

    <ExportCZ>0.0</ExportCZ>
  </Item>
  <Item>
    <Date>2012-05-30</Date>
    <Hour>12</Hour>
    <PriceCZ>0</PriceCZ>
    <VolumeCZ>0</VolumeCZ>
    <FlowCZSK>0.0</FlowCZSK>
    <FlowSKCR>0.0</FlowSKCR>
    <ImportCZ>0.0</ImportCZ>
    <ExportCZ>0.0</ExportCZ>
  </Item>
  <Item>
    <Date>2012-05-30</Date>
    <Hour>13</Hour>
    <PriceCZ>0</PriceCZ>
    <VolumeCZ>0</VolumeCZ>
    <FlowCZSK>0.0</FlowCZSK>
    <FlowSKCR>0.0</FlowSKCR>
    <ImportCZ>0.0</ImportCZ>
    <ExportCZ>0.0</ExportCZ>
  </Item>
  <Item>
    <Date>2012-05-30</Date>
    <Hour>14</Hour>
    <PriceCZ>0</PriceCZ>
    <VolumeCZ>0</VolumeCZ>
    <FlowCZSK>0.0</FlowCZSK>
    <FlowSKCR>0.0</FlowSKCR>
    <ImportCZ>0.0</ImportCZ>
    <ExportCZ>0.0</ExportCZ>
  </Item>
  <Item>
    <Date>2012-05-30</Date>
    <Hour>15</Hour>
    <PriceCZ>0</PriceCZ>
    <VolumeCZ>0</VolumeCZ>
    <FlowCZSK>0.0</FlowCZSK>
    <FlowSKCR>0.0</FlowSKCR>
    <ImportCZ>0.0</ImportCZ>
    <ExportCZ>0.0</ExportCZ>
  </Item>
  <Item>
    <Date>2012-05-30</Date>
    <Hour>16</Hour>
    <PriceCZ>0</PriceCZ>
    <VolumeCZ>0</VolumeCZ>
    <FlowCZSK>0.0</FlowCZSK>
    <FlowSKCR>0.0</FlowSKCR>
    <ImportCZ>0.0</ImportCZ>
    <ExportCZ>0.0</ExportCZ>
  </Item>
  <Item>
    <Date>2012-05-30</Date>
    <Hour>17</Hour>
    <PriceCZ>0</PriceCZ>

```

```
<VolumeCZ>0</VolumeCZ>
<FlowCZSK>0.0</FlowCZSK>
<FlowSKCR>0.0</FlowSKCR>
<ImportCZ>0.0</ImportCZ>
<ExportCZ>0.0</ExportCZ>
</Item>
<Item>
  <Date>2012-05-30</Date>
  <Hour>18</Hour>
  <PriceCZ>0</PriceCZ>
  <VolumeCZ>0</VolumeCZ>
  <FlowCZSK>0.0</FlowCZSK>
  <FlowSKCR>0.0</FlowSKCR>
  <ImportCZ>0.0</ImportCZ>
  <ExportCZ>0.0</ExportCZ>
</Item>
<Item>
  <Date>2012-05-30</Date>
  <Hour>19</Hour>
  <PriceCZ>0</PriceCZ>
  <VolumeCZ>0</VolumeCZ>
  <FlowCZSK>0.0</FlowCZSK>
  <FlowSKCR>0.0</FlowSKCR>
  <ImportCZ>0.0</ImportCZ>
  <ExportCZ>0.0</ExportCZ>
</Item>
<Item>
  <Date>2012-05-30</Date>
  <Hour>20</Hour>
  <PriceCZ>0</PriceCZ>
  <VolumeCZ>0</VolumeCZ>
  <FlowCZSK>0.0</FlowCZSK>
  <FlowSKCR>0.0</FlowSKCR>
  <ImportCZ>0.0</ImportCZ>
  <ExportCZ>0.0</ExportCZ>
</Item>
<Item>
  <Date>2012-05-30</Date>
  <Hour>21</Hour>
  <PriceCZ>0</PriceCZ>
  <VolumeCZ>0</VolumeCZ>
  <FlowCZSK>0.0</FlowCZSK>
  <FlowSKCR>0.0</FlowSKCR>
  <ImportCZ>0.0</ImportCZ>
  <ExportCZ>0.0</ExportCZ>
</Item>
<Item>
  <Date>2012-05-30</Date>
  <Hour>22</Hour>
  <PriceCZ>0</PriceCZ>
  <VolumeCZ>0</VolumeCZ>
  <FlowCZSK>0.0</FlowCZSK>
  <FlowSKCR>0.0</FlowSKCR>
  <ImportCZ>0.0</ImportCZ>
  <ExportCZ>0.0</ExportCZ>
</Item>
```

```
<Item>
  <Date>2012-05-30</Date>
  <Hour>23</Hour>
  <PriceCZ>0</PriceCZ>
  <VolumeCZ>0</VolumeCZ>
  <FlowCZSK>0.0</FlowCZSK>
  <FlowSKCR>0.0</FlowSKCR>
  <ImportCZ>0.0</ImportCZ>
  <ExportCZ>0.0</ExportCZ>
</Item>
<Item>
  <Date>2012-05-30</Date>
  <Hour>24</Hour>
  <PriceCZ>0</PriceCZ>
  <VolumeCZ>0</VolumeCZ>
  <FlowCZSK>0.0</FlowCZSK>
  <FlowSKCR>0.0</FlowSKCR>
  <ImportCZ>0.0</ImportCZ>
  <ExportCZ>0.0</ExportCZ>
</Item>
</Result>
</GetDamAllEResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

1.3.5 GetImbalanceSettlementE(previous GetVicenaklady)

Returns results of imbalance settlement - electricity – for given period.

Input parameters:

- Version – settlement version (daily - 0, monthly - 1, final monthly - 2).
- StartDate – date from
- EndDate – date to
- StartHour – hour from
- EndHour – hour to

Output structure with elements:

- Version – settlement, possible values 0, 1, 2 (daily, monthly, final monthly)
- Date - date according to W3C (<http://www.w3.org/TR/2004/REC-xmlschema-2-20041028/datatypes.html#date>)
- Hour – Hour No.
- SystemImbalance (MWh) – this item was missing

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- Sum – Absolute Imbalances sum [MWh]
- PositiveImbalance – Positive Imbalances [MWh]
- NegativeImbalance – Negative Imbalances [MWh]
- RoundedImbalance – Rounded Imbalances [MWh]
- ReCost – RE Cost [CZK]
- ImbalanceCost – Imbalance Cost [CZK]
- SettlImbalancePrice – Settlement Imbalance Price [CZK/MWh]
- SettlCounterImbalancePrice – Settlement Counter Imbalance Price [CZK/MWh]
- Emerg - value of the state of emergency (1 state of emergency was declared, 0 was not)
- PriceWARE - Price according to protective RE components [CZK/MWh]
- PriceRE - Price according to RE components [CZK/MWh].
- PriceWAIM - Price according to IM components [CZK/MWh].
- PriceCurve - Price according to SO components [CZK/MWh]

Example - Input request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:pub="http://www.ote-cr.cz/schema/service/public">
  <soapenv:Header/>
  <soapenv:Body>
    <pub:GetImbalanceSettlementE>
      <pub:Version>0</pub:Version>
      <pub:StartDate>2023-03-27</pub:StartDate>
      <pub:EndDate>2023-03-27</pub:EndDate>
      <!--Optional:-->
      <pub:StartHour>1</pub:StartHour>
      <!--Optional:-->
      <pub:EndHour>25</pub:EndHour>
    </pub:GetImbalanceSettlementE>
  </soapenv:Body>
</soapenv:Envelope>
```

Example – Output:

```
<SOAP-ENV:Envelope SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <GetImbalanceSettlementEResponse xmlns="http://www.ote-
cr.cz/schema/service/public">
```

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```

<Result>
  <Item>
    <Version>0</Version>
    <Date>2023-03-27</Date>
    <Hour>1</Hour>
    <SystemImbalance>155.231</SystemImbalance>
    <Sum>200.471</Sum>
    <PositiveImbalance>177.851</PositiveImbalance>
    <NegativeImbalance>-22.620</NegativeImbalance>
    <RoundedImbalance>-0.080</RoundedImbalance>
    <ReCost>191880.540</ReCost>
    <ImbalanceCost>-472536.080</ImbalanceCost>
    <SettlImbalancePrice>-2809.500</SettlImbalancePrice>
    <SettlCounterImbalancePrice>-
1199.660</SettlCounterImbalancePrice>
    <PriceWARE>-1231.46</PriceWARE>
    <PriceRE>-2266.20</PriceRE>
    <PriceWAIM>1868.12</PriceWAIM>
    <PriceCurve>-2809.50</PriceCurve>
  </Item>
  <Item>
    <Version>0</Version>
    <Date>2023-03-27</Date>
    <Hour>2</Hour>
    <SystemImbalance>54.404</SystemImbalance>
    <Sum>114.230</Sum>
    <PositiveImbalance>84.317</PositiveImbalance>
    <NegativeImbalance>-29.913</NegativeImbalance>
    <RoundedImbalance>-0.092</RoundedImbalance>
    <ReCost>-13170.000</ReCost>
    <ImbalanceCost>-65970.360</ImbalanceCost>
    <SettlImbalancePrice>-599.100</SettlImbalancePrice>
<SettlCounterImbalancePrice>516.700</SettlCounterImbalancePrice>
    <PriceWARE>339.50</PriceWARE>
    <PriceRE>-599.10</PriceRE>
    <PriceWAIM>1708.85</PriceWAIM>
    <PriceCurve>-124.21</PriceCurve>
  </Item>
  <Item>
    <Version>0</Version>
    <Date>2023-03-27</Date>
    <Hour>3</Hour>
    <SystemImbalance>90.207</SystemImbalance>
    <Sum>163.001</Sum>
    <PositiveImbalance>126.604</PositiveImbalance>
    <NegativeImbalance>-36.397</NegativeImbalance>
    <RoundedImbalance>-0.098</RoundedImbalance>
    <ReCost>91620.720</ReCost>
    <ImbalanceCost>-444508.020</ImbalanceCost>
    <SettlImbalancePrice>-3742.320</SettlImbalancePrice>
    <SettlCounterImbalancePrice>-
804.590</SettlCounterImbalancePrice>
    <PriceWARE>-954.98</PriceWARE>
    <PriceRE>-3426.60</PriceRE>
    <PriceWAIM>1800.51</PriceWAIM>

```

```

        <PriceCurve>-3742.32</PriceCurve>
    </Item>
    <Item>
        <Version>0</Version>
        <Date>2023-03-27</Date>
        <Hour>4</Hour>
        <SystemImbalance>140.062</SystemImbalance>
        <Sum>168.462</Sum>
        <PositiveImbalance>154.262</PositiveImbalance>
        <NegativeImbalance>-14.200</NegativeImbalance>
        <RoundedImbalance>-0.087</RoundedImbalance>
        <ReCost>-50450.000</ReCost>
        <ImbalanceCost>-386874.890</ImbalanceCost>
        <SettlImbalancePrice>-2470.410</SettlImbalancePrice>
<SettlCounterImbalancePrice>407.360</SettlCounterImbalancePrice>
    <PriceWARE>364.53</PriceWARE>
    <PriceRE>-1980.20</PriceRE>
    <PriceWAIM>1708.87</PriceWAIM>
    <PriceCurve>-2470.41</PriceCurve>
</Item>
<Item>
    <Version>0</Version>
    <Date>2023-03-27</Date>
    <Hour>5</Hour>
    <SystemImbalance>225.014</SystemImbalance>
    <Sum>256.300</Sum>
    <PositiveImbalance>240.657</PositiveImbalance>
    <NegativeImbalance>-15.643</NegativeImbalance>
    <RoundedImbalance>-0.061</RoundedImbalance>
    <ReCost>-476051.500</ReCost>
    <ImbalanceCost>-174385.580</ImbalanceCost>
    <SettlImbalancePrice>-583.400</SettlImbalancePrice>
<SettlCounterImbalancePrice>2172.620</SettlCounterImbalancePrice>
    <PriceWARE>2119.35</PriceWARE>
    <PriceRE>-583.40</PriceRE>
    <PriceWAIM>1733.19</PriceWAIM>
    <PriceCurve>938.95</PriceCurve>
</Item>
<Item>
    <Version>0</Version>
    <Date>2023-03-27</Date>
    <Hour>6</Hour>
    <SystemImbalance>133.035</SystemImbalance>
    <Sum>276.225</Sum>
    <PositiveImbalance>204.630</PositiveImbalance>
    <NegativeImbalance>-71.595</NegativeImbalance>
    <RoundedImbalance>-0.067</RoundedImbalance>
    <ReCost>-474472.910</ReCost>
    <ImbalanceCost>-173559.160</ImbalanceCost>
    <SettlImbalancePrice>0.000</SettlImbalancePrice>
<SettlCounterImbalancePrice>2424.180</SettlCounterImbalancePrice>
    <PriceWARE>3166.84</PriceWARE>
    <PriceRE>0.00</PriceRE>
    
```

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```

        <PriceWAIM>2032.65</PriceWAIM>
        <PriceCurve>1364.57</PriceCurve>
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    <Item>
        <Version>0</Version>
        <Date>2023-03-27</Date>
        <Hour>7</Hour>
        <SystemImbalance>-59.696</SystemImbalance>
        <Sum>190.090</Sum>
        <PositiveImbalance>65.197</PositiveImbalance>
        <NegativeImbalance>-124.893</NegativeImbalance>
        <RoundedImbalance>-0.093</RoundedImbalance>
        <ReCost>2695598.770</ReCost>
        <ImbalanceCost>-2695598.380</ImbalanceCost>
        <SettlImbalancePrice>34587.170</SettlImbalancePrice>

<SettlCounterImbalancePrice>24910.610</SettlCounterImbalancePrice>
    <PriceWARE>34587.17</PriceWARE>
    <PriceRE>40113.30</PriceRE>
    <PriceWAIM>3233.88</PriceWAIM>
    <PriceCurve>40441.62</PriceCurve>
</Item>
    <Item>
        <Version>0</Version>
        <Date>2023-03-27</Date>
        <Hour>8</Hour>
        <SystemImbalance>-95.555</SystemImbalance>
        <Sum>197.173</Sum>
        <PositiveImbalance>50.809</PositiveImbalance>
        <NegativeImbalance>-146.364</NegativeImbalance>
        <RoundedImbalance>-0.069</RoundedImbalance>
        <ReCost>511362.520</ReCost>
        <ImbalanceCost>-511362.380</ImbalanceCost>
        <SettlImbalancePrice>5078.590</SettlImbalancePrice>

<SettlCounterImbalancePrice>4565.340</SettlCounterImbalancePrice>
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    <PriceCurve>7542.55</PriceCurve>
</Item>
    <Item>
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        <Hour>9</Hour>
        <SystemImbalance>-247.420</SystemImbalance>
        <Sum>337.058</Sum>
        <PositiveImbalance>44.819</PositiveImbalance>
        <NegativeImbalance>-292.239</NegativeImbalance>
        <RoundedImbalance>-0.059</RoundedImbalance>
        <ReCost>4067078.880</ReCost>
        <ImbalanceCost>-4067077.560</ImbalanceCost>
        <SettlImbalancePrice>16431.550</SettlImbalancePrice>

<SettlCounterImbalancePrice>16396.220</SettlCounterImbalancePrice>
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```

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```

        <PriceRE>23581.90</PriceRE>
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        <PriceCurve>24942.71</PriceCurve>
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    <Item>
        <Version>0</Version>
        <Date>2023-03-27</Date>
        <Hour>10</Hour>
        <SystemImbalance>-103.185</SystemImbalance>
        <Sum>404.377</Sum>
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        <NegativeImbalance>-253.781</NegativeImbalance>
        <RoundedImbalance>-0.061</RoundedImbalance>
        <ReCost>660403.000</ReCost>
        <ImbalanceCost>-2155433.470</ImbalanceCost>
        <SettlImbalancePrice>11662.900</SettlImbalancePrice>

<SettlCounterImbalancePrice>5341.370</SettlCounterImbalancePrice>
    <PriceWARE>5771.87</PriceWARE>
    <PriceRE>11662.90</PriceRE>
    <PriceWAIM>4224.70</PriceWAIM>
    <PriceCurve>6238.01</PriceCurve>
</Item>
<Item>
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    <Hour>11</Hour>
    <SystemImbalance>-111.301</SystemImbalance>
    <Sum>466.299</Sum>
    <PositiveImbalance>177.499</PositiveImbalance>
    <NegativeImbalance>-288.800</NegativeImbalance>
    <RoundedImbalance>-0.046</RoundedImbalance>
    <ReCost>5928082.900</ReCost>
    <ImbalanceCost>-5928081.410</ImbalanceCost>
    <SettlImbalancePrice>51920.080</SettlImbalancePrice>

<SettlCounterImbalancePrice>51078.810</SettlCounterImbalancePrice>
    <PriceWARE>51920.08</PriceWARE>
    <PriceRE>103439.70</PriceRE>
    <PriceWAIM>4497.87</PriceWAIM>
    <PriceCurve>104051.85</PriceCurve>
</Item>
<Item>
    <Version>0</Version>
    <Date>2023-03-27</Date>
    <Hour>12</Hour>
    <SystemImbalance>55.748</SystemImbalance>
    <Sum>278.770</Sum>
    <PositiveImbalance>167.259</PositiveImbalance>
    <NegativeImbalance>-111.511</NegativeImbalance>
    <RoundedImbalance>-0.095</RoundedImbalance>
    <ReCost>-104969.950</ReCost>
    <ImbalanceCost>-291070.470</ImbalanceCost>
    <SettlImbalancePrice>0.000</SettlImbalancePrice>

<SettlCounterImbalancePrice>2610.240</SettlCounterImbalancePrice>

```

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```

        <PriceWARE>2367.82</PriceWARE>
        <PriceRE>0.00</PriceRE>
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        <PriceCurve>620.18</PriceCurve>
    </Item>
    <Item>
        <Version>0</Version>
        <Date>2023-03-27</Date>
        <Hour>13</Hour>
        <SystemImbalance>128.147</SystemImbalance>
        <Sum>309.155</Sum>
        <PositiveImbalance>218.651</PositiveImbalance>
        <NegativeImbalance>-90.504</NegativeImbalance>
        <RoundedImbalance>-0.074</RoundedImbalance>
        <ReCost>-213990.340</ReCost>
        <ImbalanceCost>-153216.930</ImbalanceCost>
        <SettlImbalancePrice>0.000</SettlImbalancePrice>

    <SettlCounterImbalancePrice>1692.930</SettlCounterImbalancePrice>
        <PriceWARE>1679.42</PriceWARE>
        <PriceRE>0.00</PriceRE>
        <PriceWAIM>2700.17</PriceWAIM>
        <PriceCurve>25.68</PriceCurve>
    </Item>
    <Item>
        <Version>0</Version>
        <Date>2023-03-27</Date>
        <Hour>14</Hour>
        <SystemImbalance>-13.384</SystemImbalance>
        <Sum>158.466</Sum>
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        <NegativeImbalance>-85.925</NegativeImbalance>
        <RoundedImbalance>-0.054</RoundedImbalance>
        <ReCost>782440.580</ReCost>
        <ImbalanceCost>-381673.780</ImbalanceCost>
        <SettlImbalancePrice>17246.810</SettlImbalancePrice>

    <SettlCounterImbalancePrice>15167.400</SettlCounterImbalancePrice>
        <PriceWARE>21910.95</PriceWARE>
        <PriceRE>17173.20</PriceRE>
        <PriceWAIM>3197.18</PriceWAIM>
        <PriceCurve>17246.81</PriceCurve>
    </Item>
    <Item>
        <Version>0</Version>
        <Date>2023-03-27</Date>
        <Hour>15</Hour>
        <SystemImbalance>-99.383</SystemImbalance>
        <Sum>234.649</Sum>
        <PositiveImbalance>67.633</PositiveImbalance>
        <NegativeImbalance>-167.016</NegativeImbalance>
        <RoundedImbalance>-0.074</RoundedImbalance>
        <ReCost>2628172.590</ReCost>
        <ImbalanceCost>-2628172.250</ImbalanceCost>
        <SettlImbalancePrice>26089.420</SettlImbalancePrice>

```

```

<SettlCounterImbalancePrice>25567.080</SettlCounterImbalancePrice>
  <PriceWARE>26089.42</PriceWARE>
  <PriceRE>40622.20</PriceRE>
  <PriceWAIM>2384.39</PriceWAIM>
  <PriceCurve>41168.80</PriceCurve>
</Item>
<Item>
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  <Date>2023-03-27</Date>
  <Hour>16</Hour>
  <SystemImbalance>132.943</SystemImbalance>
  <Sum>323.913</Sum>
  <PositiveImbalance>228.428</PositiveImbalance>
  <NegativeImbalance>-95.485</NegativeImbalance>
  <RoundedImbalance>-0.070</RoundedImbalance>
  <ReCost>88217.820</ReCost>
  <ImbalanceCost>-413569.590</ImbalanceCost>
  <SettlImbalancePrice>-2083.300</SettlImbalancePrice>
  <SettlCounterImbalancePrice>-
652.610</SettlCounterImbalancePrice>
  <PriceWARE>-658.99</PriceWARE>
  <PriceRE>-1618.00</PriceRE>
  <PriceWAIM>2361.52</PriceWAIM>
  <PriceCurve>-2083.30</PriceCurve>
</Item>
<Item>
  <Version>0</Version>
  <Date>2023-03-27</Date>
  <Hour>17</Hour>
  <SystemImbalance>232.806</SystemImbalance>
  <Sum>328.202</Sum>
  <PositiveImbalance>280.504</PositiveImbalance>
  <NegativeImbalance>-47.698</NegativeImbalance>
  <RoundedImbalance>-0.093</RoundedImbalance>
  <ReCost>162416.740</ReCost>
  <ImbalanceCost>-425198.480</ImbalanceCost>
  <SettlImbalancePrice>-1600.720</SettlImbalancePrice>
  <SettlCounterImbalancePrice>-
499.180</SettlCounterImbalancePrice>
  <PriceWARE>-663.90</PriceWARE>
  <PriceRE>-785.90</PriceRE>
  <PriceWAIM>2183.84</PriceWAIM>
  <PriceCurve>-1600.72</PriceCurve>
</Item>
<Item>
  <Version>0</Version>
  <Date>2023-03-27</Date>
  <Hour>18</Hour>
  <SystemImbalance>60.244</SystemImbalance>
  <Sum>203.668</Sum>
  <PositiveImbalance>131.956</PositiveImbalance>
  <NegativeImbalance>-71.712</NegativeImbalance>
  <RoundedImbalance>-0.082</RoundedImbalance>
  <ReCost>-87280.650</ReCost>
  <ImbalanceCost>-160923.060</ImbalanceCost>

```

```

        <SettlImbalancePrice>-371.700</SettlImbalancePrice>
<SettlCounterImbalancePrice>1560.060</SettlCounterImbalancePrice>
    <PriceWARE>1509.25</PriceWARE>
    <PriceRE>-371.70</PriceRE>
    <PriceWAIM>2021.58</PriceWAIM>
    <PriceCurve>523.54</PriceCurve>
</Item>
<Item>
    <Version>0</Version>
    <Date>2023-03-27</Date>
    <Hour>19</Hour>
    <SystemImbalance>-61.915</SystemImbalance>
    <Sum>344.981</Sum>
    <PositiveImbalance>141.533</PositiveImbalance>
    <NegativeImbalance>-203.448</NegativeImbalance>
    <RoundedImbalance>-0.089</RoundedImbalance>
    <ReCost>205310.360</ReCost>
    <ImbalanceCost>-443229.540</ImbalanceCost>
    <SettlImbalancePrice>4039.900</SettlImbalancePrice>

<SettlCounterImbalancePrice>2675.560</SettlCounterImbalancePrice>
    <PriceWARE>2870.46</PriceWARE>
    <PriceRE>4039.90</PriceRE>
    <PriceWAIM>2925.98</PriceWAIM>
    <PriceCurve>3412.53</PriceCurve>
</Item>
<Item>
    <Version>0</Version>
    <Date>2023-03-27</Date>
    <Hour>20</Hour>
    <SystemImbalance>22.684</SystemImbalance>
    <Sum>186.498</Sum>
    <PositiveImbalance>104.591</PositiveImbalance>
    <NegativeImbalance>-81.907</NegativeImbalance>
    <RoundedImbalance>-0.081</RoundedImbalance>
    <ReCost>4094933.500</ReCost>
    <ImbalanceCost>-4094933.140</ImbalanceCost>
    <SettlImbalancePrice>-57318.870</SettlImbalancePrice>
    <SettlCounterImbalancePrice>-
23198.320</SettlCounterImbalancePrice>
    <PriceWARE>-57318.87</PriceWARE>
    <PriceRE>-45951.00</PriceRE>
    <PriceWAIM>2599.42</PriceWAIM>
    <PriceCurve>-4634.19</PriceCurve>
</Item>
<Item>
    <Version>0</Version>
    <Date>2023-03-27</Date>
    <Hour>21</Hour>
    <SystemImbalance>-36.437</SystemImbalance>
    <Sum>212.207</Sum>
    <PositiveImbalance>87.885</PositiveImbalance>
    <NegativeImbalance>-124.322</NegativeImbalance>
    <RoundedImbalance>-0.061</RoundedImbalance>
    <ReCost>1103645.840</ReCost>

```

```

        <ImbalanceCost>-1103644.770</ImbalanceCost>
        <SettlImbalancePrice>20189.620</SettlImbalancePrice>

<SettlCounterImbalancePrice>16002.380</SettlCounterImbalancePrice>
    <PriceWARE>20189.62</PriceWARE>
    <PriceRE>29668.80</PriceRE>
    <PriceWAIM>2422.40</PriceWAIM>
    <PriceCurve>12300.70</PriceCurve>
</Item>
<Item>
    <Version>0</Version>
    <Date>2023-03-27</Date>
    <Hour>22</Hour>
    <SystemImbalance>-89.747</SystemImbalance>
    <Sum>236.997</Sum>
    <PositiveImbalance>73.625</PositiveImbalance>
    <NegativeImbalance>-163.372</NegativeImbalance>
    <RoundedImbalance>-0.057</RoundedImbalance>
    <ReCost>370449.470</ReCost>
    <ImbalanceCost>-657157.010</ImbalanceCost>
    <SettlImbalancePrice>5291.400</SettlImbalancePrice>

<SettlCounterImbalancePrice>2815.750</SettlCounterImbalancePrice>
    <PriceWARE>3536.46</PriceWARE>
    <PriceRE>4797.80</PriceRE>
    <PriceWAIM>2604.64</PriceWAIM>
    <PriceCurve>5291.40</PriceCurve>
</Item>
<Item>
    <Version>0</Version>
    <Date>2023-03-27</Date>
    <Hour>23</Hour>
    <SystemImbalance>-103.223</SystemImbalance>
    <Sum>271.121</Sum>
    <PositiveImbalance>83.949</PositiveImbalance>
    <NegativeImbalance>-187.172</NegativeImbalance>
    <RoundedImbalance>-0.049</RoundedImbalance>
    <ReCost>5113407.530</ReCost>
    <ImbalanceCost>-5113407.210</ImbalanceCost>
    <SettlImbalancePrice>45206.310</SettlImbalancePrice>

<SettlCounterImbalancePrice>39880.740</SettlCounterImbalancePrice>
    <PriceWARE>45206.31</PriceWARE>
    <PriceRE>92737.20</PriceRE>
    <PriceWAIM>2771.36</PriceWAIM>
    <PriceCurve>93304.92</PriceCurve>
</Item>
<Item>
    <Version>0</Version>
    <Date>2023-03-27</Date>
    <Hour>24</Hour>
    <SystemImbalance>-85.406</SystemImbalance>
    <Sum>251.216</Sum>
    <PositiveImbalance>82.905</PositiveImbalance>
    <NegativeImbalance>-168.311</NegativeImbalance>
    <RoundedImbalance>-0.081</RoundedImbalance>

```

```
<ReCost>430162.400</ReCost>
<ImbalanceCost>-543568.660</ImbalanceCost>
<SettlImbalancePrice>5311.900</SettlImbalancePrice>

<SettlCounterImbalancePrice>4227.520</SettlCounterImbalancePrice>
  <PriceWARE>4638.11</PriceWARE>
  <PriceRE>5311.90</PriceRE>
  <PriceWAIM>2234.64</PriceWAIM>
  <PriceCurve>4879.03</PriceCurve>
</Item>
</Result>
</GetImbalanceSettlementEResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

1.3.6 GetImPriceE (new)

Returns prices and volume Intra-day electricity market for given period.

Input parameters:

- StartDate – date from
- EndDate – date to
- StartHour - hour from
- EndHour - hour to

Output structure with elements:

- Date - date according to W3C (<http://www.w3.org/TR/2004/REC-xmlschema-2-20041028/datatypes.html#date>)
- Hour – Hour No.
- Price - Price [CZK/MWh]
- Volume – Traded volume [MWh]
- Emerg - value of the state of emergency (1 state of emergency was declared, 0 was not)

Example - Input request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:pub="http://www.ote-cr.cz/schema/service/public">
  <soapenv:Header/>
  <soapenv:Body>
    <pub:GetImPriceE>
      <pub:StartDate>2010-01-01</pub:StartDate>
      <pub:EndDate>2010-01-01</pub:EndDate>
      <!--Optional:-->
```

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```

    <pub:StartHour>1</pub:StartHour>
    <!--Optional:-->
    <pub:EndHour>24</pub:EndHour>
  </pub:GetImPriceE>
</soapenv:Body>
</soapenv:Envelope>

```

Example – Output:

```

<?xml version="1.0" encoding="UTF-8" ?>
<SOAP-ENV:Envelope SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <GetImPriceEResponse xmlns="http://www.ote-
cr.cz/schema/service/public">
      <Result>
        <Item>
          <Date>2010-01-01</Date>
          <Hour>1</Hour>
          <Price>0.0</Price>
          <Volume>0.0</Volume>
        </Item>
        <Item>
          <Date>2010-01-01</Date>
          <Hour>2</Hour>
          <Price>0.0</Price>
          <Volume>0.0</Volume>
        </Item>
        <Item>
          <Date>2010-01-01</Date>
          <Hour>3</Hour>
          <Price>0.0</Price>
          <Volume>0.0</Volume>
        </Item>
        <Item>
          <Date>2010-01-01</Date>
          <Hour>4</Hour>
          <Price>0.0</Price>
          <Volume>0.0</Volume>
        </Item>
        <Item>
          <Date>2010-01-01</Date>
          <Hour>5</Hour>
          <Price>0.0</Price>
          <Volume>0.0</Volume>
        </Item>
        <Item>
          <Date>2010-01-01</Date>
          <Hour>6</Hour>
          <Price>0.0</Price>
          <Volume>0.0</Volume>
        </Item>
        <Item>
          <Date>2010-01-01</Date>
          <Hour>7</Hour>

```

```
        <Price>0.0</Price>
        <Volume>0.0</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>8</Hour>
        <Price>0.0</Price>
        <Volume>0.0</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>9</Hour>
        <Price>0.0</Price>
        <Volume>0.0</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>10</Hour>
        <Price>0.0</Price>
        <Volume>0.0</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>11</Hour>
        <Price>0.0</Price>
        <Volume>0.0</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>12</Hour>
        <Price>0.0</Price>
        <Volume>0.0</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>13</Hour>
        <Price>0.0</Price>
        <Volume>0.0</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>14</Hour>
        <Price>0.0</Price>
        <Volume>0.0</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>15</Hour>
        <Price>0.0</Price>
        <Volume>0.0</Volume>
    </Item>
    <Item>
        <Date>2010-01-01</Date>
        <Hour>16</Hour>
        <Price>1000.0</Price>
        <Volume>3.0</Volume>
    </Item>
```

```
</Item>
<Item>
  <Date>2010-01-01</Date>
  <Hour>17</Hour>
  <Price>1000.0</Price>
  <Volume>3.0</Volume>
</Item>
<Item>
  <Date>2010-01-01</Date>
  <Hour>18</Hour>
  <Price>0.0</Price>
  <Volume>0.0</Volume>
</Item>
<Item>
  <Date>2010-01-01</Date>
  <Hour>19</Hour>
  <Price>1.0</Price>
  <Volume>0.5</Volume>
</Item>
<Item>
  <Date>2010-01-01</Date>
  <Hour>20</Hour>
  <Price>0.0</Price>
  <Volume>0.0</Volume>
</Item>
<Item>
  <Date>2010-01-01</Date>
  <Hour>21</Hour>
  <Price>1000.0</Price>
  <Volume>3.0</Volume>
</Item>
<Item>
  <Date>2010-01-01</Date>
  <Hour>22</Hour>
  <Price>1080.0</Price>
  <Volume>15.0</Volume>
</Item>
<Item>
  <Date>2010-01-01</Date>
  <Hour>23</Hour>
  <Price>1125.0</Price>
  <Volume>8.0</Volume>
</Item>
<Item>
  <Date>2010-01-01</Date>
  <Hour>24</Hour>
  <Price>1059.4</Price>
  <Volume>8.0</Volume>
</Item>
</Result>
</GetImPriceEResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```


1.3.7 GetImPriceG (new)

Returns prices and volume Intra-day gas market for given period.

Input parameters:

- StartDate – date from
- EndDate – date to

Output structure with elements:

- Date - date according to W3C (<http://www.w3.org/TR/2004/REC-xmlschema-2-20041028/datatypes.html#date>)
- Price - Price [EUR/MWh]
- Volume – Traded volume [MWh]
- MinPrice – Minimal price [EUR/MWh]
- MaxPrice – Maximal price [EUR/MWh]
- IndexOTE - Index OTE [EUR/MWh]

Example - Input request:

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:pub="http://www.ote-cr.cz/schema/service/public">
  <soapenv:Header/>
  <soapenv:Body>
    <pub:GetImPriceG>
      <pub:StartDate>2022-03-09</pub:StartDate>
      <pub:EndDate>2022-03-09</pub:EndDate>
    </pub:GetImPriceG>
  </soapenv:Body>
</soapenv:Envelope>
```

Example – Output:

```
<SOAP-ENV:Envelope SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <GetImPriceGResponse xmlns="http://www.ote-
cr.cz/schema/service/public">
      <Result>
        <Item>
          <Date>2022-03-09</Date>
          <Price>179.56</Price>
          <Volume>6356.4</Volume>
          <MinPrice>143.60</MinPrice>
          <MaxPrice>195.00</MaxPrice>
          <IndexOte>179.557</IndexOte>
        </Item>
      </Result>
    </GetImPriceGResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

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```
</Result>
</GetImPriceGResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

1.3.8 GetImbalanceNCBALSettlementG (new)

Returns results of imbalance settlement NC Bal - gas - for given period.

Input parameters:

- Version – settlement version (daily - 0, monthly - 1, final monthly - 2).
- StartDate – date from
- EndDate – date to

Output structure with elements:

- Date - date according to W3C (<http://www.w3.org/TR/2004/REC-xmlschema-2-20041028/datatypes.html#date>)
- Version – settlement version (daily - 0, monthly - 1, final monthly - 2)
- SystemImbalance – System Imbalance [MWh]
- PositiveImbalance – Positive Imbalance [MWh]
- NegativeImbalance – Negative Imbalance [MWh]
- TransferTsDs – Flow from PS to DS [MWh]
- CnbRate – ČNB exchange rate [CZK/EUR]
- IndexOTE [EUR/MWh]
- PositiveImbalancePriceCZK (CZK/MWh) – Applicable price for positive imbalance quantity (Kč/MWh)
- NegativeImbalancePriceCZK (CZK/MWh) - Applicable price for negative imbalance quantity (Kč/MWh)
- PositiveImbalancePriceEUR (EUR/MWh) - Applicable price for positive imbalance quantity (EUR/MWh)
- NegativeImbalancePriceEUR (EUR/MWh) - Applicable price for negative imbalance quantity (EUR/MWh)
- MonthBalancingGasPrice (CZK) - Month balancing gas price (CZK)

Example - Input request:

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```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:pub="http://www.ote-cr.cz/schema/service/public">
  <soapenv:Header/>
  <soapenv:Body>
    <pub:GetImbalanceNCBALSettlementG>
      <pub:Version>0</pub:Version>
      <pub:StartDate>2016-07-01</pub:StartDate>
      <pub:EndDate>2016-07-01</pub:EndDate>
    </pub:GetImbalanceNCBALSettlementG>
  </soapenv:Body>
</soapenv:Envelope>
```

Example – Output:

```
<SOAP-ENV:Envelope SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <GetImbalanceNCBALSettlementGResponse xmlns="http://www.ote-
cr.cz/schema/service/public">
      <Result>
        <Item>
          <Date>2016-07-01</Date>
          <Version>0</Version>
          <SystemImbalance>-13932.541</SystemImbalance>
          <PositiveImbalance>3179.884</PositiveImbalance>
          <NegativeImbalance>-17112.762</NegativeImbalance>
          <TransferTsDs>0.0</TransferTsDs>
          <CnbRate>27.025</CnbRate>
          <IndexOTE>11.55</IndexOTE>

          <PositiveImbalancePriceCZK>305.896</PositiveImbalancePriceCZK>

          <NegativeImbalancePriceCZK>316.63</NegativeImbalancePriceCZK>

          <PositiveImbalancePriceEUR>11.319</PositiveImbalancePriceEUR>

          <NegativeImbalancePriceEUR>11.716</NegativeImbalancePriceEUR>
          <MonthBalancingGasPrice>234.567</MonthBalancingGasPrice>
        </Item>
      </Result>
    </GetImbalanceNCBALSettlementGResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```