



Intelligent Sensing Anywhere

# Test Report

iCenterOS

*aoliveira*  
Software

*Privado*  
*Versão 1.0*

[www.isasensing.com](http://www.isasensing.com)

## DOCUMENT HISTORY

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DATE	VERSION	DESCRIPTION	AUTHOR
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# 1 TEST SUITE

This section presents the tests done to iCenterOS platform. All the methods should return the keyword "Success", informing that the call was executed with success or "NoData" for the methods which depend on data not available in the test scenarios that should be received from the units. Tests presented in this section were done using SoapUI version 3.5.1.

## 1.1 METHOD INSERTUNIT

### 1.1.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:isa="http://schemas.datacontract.org/2004/07/ISA.iEnergy.Common.BL.DataContracts">
  <soapenv:Header/>
  <soapenv:Body>
    <tem:InsertUnit>
      <!--Optional:-->
      <tem:token>+1ERY5V7NuFaGXg/ehZxnf1uA0rtvqjse4/nUoOU1vEmovt3b6jTT1kmbQ+pU3LgDTbcNYdayeEl
vTsnd6mSOQ==</tem:token>
      <!--Optional:-->
      <tem:u>
        <!--Optional:-->
        <isa:id>11</isa:id>
        <!--Optional:-->
        <isa:interval>5</isa:interval>
        <!--Optional:-->
        <isa:name>UnidadeSoapUI</isa:name>
        <!--Optional:-->
        <isa:remoteld>60</isa:remoteld>
        <!--Optional:-->
        <isa:serial>60</isa:serial>
      </tem:u>
    </tem:InsertUnit>
```

```
</soapenv:Body>
```

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

### 1.1.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<s:Body>
```

```
<InsertUnitResponse xmlns="http://tempuri.org/">
```

```
<InsertUnitResult>Success</InsertUnitResult>
```

```
<id>6</id>
```

```
</InsertUnitResponse>
```

```
</s:Body>
```

```
</s:Envelope>
```

### 1.1.3 TEST RESULT

The result for this test was Success

## 1.2 METHOD INSERTTAG

### 1.2.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
xmlns:tem="http://tempuri.org/"  
xmlns:isa="http://schemas.datacontract.org/2004/07/ISA.iEnergy.Common.BL.DataContracts">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem:InsertTag>
```

```
<!--Optional:-->
```

```
<tem:token>+1ERY5V7NuFaGXg/ehZxf1uA0rtvqjse4/nUoOU1vEmovt3b6jTT1kmbQ+pU3LgDTbcNYdayeEl  
vTsnd6mSOQ==</tem:token>
```

```
<!--Optional:-->
```

```
<tem:t>
```

```
<!--Optional:-->
```

```
<isa:deviceId>3</isa:deviceId>
```

```
<!--Optional:-->
```

```
<isa:id>100</isa:id>
```

```
<!--Optional:-->
```

```
<isa:name>SoapUITest</isa:name>
<!--Optional:-->
<isa:remoteld>50</isa:remoteld>
<!--Optional:-->
<isa:type>1</isa:type>
</tem:t>
</tem:InsertTag>
</soapenv:Body>
</soapenv:Envelope>
```

## 1.2.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <InsertTagResponse xmlns="http://tempuri.org/">
      <InsertTagResult>Success</InsertTagResult>
      <id>2</id>
    </InsertTagResponse>
  </s:Body>
</s:Envelope>
```

## 1.2.3 TEST RESULT

The result for this test was Success.

## 1.3 METHOD INSERTDEVICE

### 1.3.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:isa="http://schemas.datacontract.org/2004/07/ISA.iEnergy.Common.BL.DataContracts">
  <soapenv:Header/>
  <soapenv:Body>
    <tem:InsertDevice>
      <!--Optional:-->
      <tem:token>+1ERY5V7NuFaGXg/ehZxnf1uA0rtvqjse4/nUoOU1vEmovt3b6jTT1kmbQ+pU3LgDTbcNYdayeEl
vTsnd6mSOQ==</tem:token>
```

```
<!--Optional:-->
<tem:d>
<!--Optional:-->
<isa:id>5</isa:id>
<!--Optional:-->
<isa:interval>60</isa:interval>
<!--Optional:-->
<isa:name>SoapUI Test</isa:name>
<!--Optional:-->
<isa:remoteld>60</isa:remoteld>
<!--Optional:-->
<isa:stepld>1</isa:stepld>
<!--Optional:-->
<isa:tariffld>1</isa:tariffld>
<!--Optional:-->
<isa:typeld>2</isa:typeld>
<!--Optional:-->
<isa:unitld>5</isa:unitld>
</tem:d>
</tem:InsertDevice>
</soapenv:Body>
</soapenv:Envelope>
```

### 1.3.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
<s:Body>
<InsertDeviceResponse xmlns="http://tempuri.org/">
<InsertDeviceResult>Success</InsertDeviceResult>
<id>9</id>
</InsertDeviceResponse>
</s:Body>
</s:Envelope>
```

### 1.3.3 TEST RESULT

The result for this test was Success.

## 1.4 METHOD GETTAGS

### 1.4.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/">
  <soapenv:Header/>
  <soapenv:Body>
    <tem:GetTags>
      <!--Optional:-->
      <tem:token>+1ERY5V7NuFaGXg/ehZxnf1uA0rtvqjse4/nUoOU1vEmovt3b6jTT1kmbQ+pU3LgDTb
cNYdayeElvTsnd6mSOQ==</tem:token>
    </tem:GetTags>
  </soapenv:Body>
</soapenv:Envelope>
```

### 1.4.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetTagsResponse xmlns="http://tempuri.org/">
      <GetTagsResult>Success</GetTagsResult>
      <tags
xmlns:a="http://schemas.datacontract.org/2004/07/ISA.iEnergy.Common.BL.DataContracts"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:Tag>
          <a:deviceId>3</a:deviceId>
          <a:id>1</a:id>
          <a:name>TagExemplo</a:name>
          <a:remotId>10</a:remotId>
          <a:type>1</a:type>
        </a:Tag>
```

```
<a:Tag>
  <a:deviceId>3</a:deviceId>
  <a:id>2</a:id>
  <a:name>SoapUITest</a:name>
  <a:remotId>50</a:remotId>
  <a:type>1</a:type>
</a:Tag>
</tags>
</GetTagsResponse>
</s:Body>
</s:Envelope>
```

### 1.4.3 TEST RESULT

The result for this test was Success.

## 1.5 METHOD GETMEASUREMENTUNITS

### 1.5.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/">
  <soapenv:Header/>
  <soapenv:Body>
    <tem:GetMeasurementUnits>
      <!--Optional:-->
      <tem:token>+1ERY5V7NuFaGXg/ehZxf1uA0rtvqjse4/nUoOU1vEmovt3b6jTT1kmbQ+pU3LgDTbcNYdayeEl
vTsnd6mSOQ==</tem:token>
    </tem:GetMeasurementUnits>
  </soapenv:Body>
</soapenv:Envelope>
```

### 1.5.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<s:Body>  
  
<GetMeasurementUnitsResponse xmlns="http://tempuri.org/">  
  
<GetMeasurementUnitsResult>Success</GetMeasurementUnitsResult>  
  
<measurementUnits  
xmlns:a="http://schemas.datacontract.org/2004/07/ISA.iEnergy.Common.BL.DataContracts"  
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">  
  
<a:Data>  
  
<a:id>1</a:id>  
  
<a:name>Euro</a:name>  
  
</a:Data>  
  
<a:Data>  
  
<a:id>2</a:id>  
  
<a:name>Unidades</a:name>  
  
</a:Data>  
  
</measurementUnits>  
  
</GetMeasurementUnitsResponse>  
  
</s:Body>  
  
</s:Envelope>
```

### 1.5.3 TEST RESULT

The result for this test was Success.

## 1.5.4 LOAD TESTING

LoadTest 1

Limit: 60 Seconds 100%

Threads: 5 Strategy Simple Test Delay 1000 Random 0.5

Test Step	min	max	avg	last	cnt	tps	bytes	bps	err	rat
GetMeasurementUnits	11	120	29,75	18	381	6,32	200406	3327	0	0
TestCase:	11	120	29,75	18	381	6,32	200406	3327	0	0

Show Types: - All - Show Steps: - All -

time	type	step	message
2010-09-08 13:17:18:357	Message		LoadTest started at Wed Sep 08 13:17:18 BST 2010

## 1.6 METHOD GETMEASUREMENTS

### 1.6.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem:GetMeasurements>
```

```
<!--Optional:-->
```

```
<tem:token>+1ERY5V7NuFaGXg/ehZxf1uA0rtvqjse4/nUoOU1vEmovt3b6jTT1kmbQ+pU3LgDTbcNYdayeEl
vTsnd6mSOQ==</tem:token>
```

```
</tem:GetMeasurements>
```

```
</soapenv:Body>
```

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

### 1.6.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<s:Body>  
  
<GetMeasurementsResponse xmlns="http://tempuri.org/">  
  
<GetMeasurementsResult>Success</GetMeasurementsResult>  
  
<measurements  
xmlns:a="http://schemas.datacontract.org/2004/07/ISA.iEnergy.Common.BL.DataContracts"  
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">  
  
<a:Data>  
  
<a:id>1</a:id>  
  
<a:name>Medida de Teste</a:name>  
  
</a:Data>  
  
</measurements>  
  
</GetMeasurementsResponse>  
  
</s:Body>  
</s:Envelope>
```

### 1.6.3 TEST RESULT

The result for this test was Success.

## 1.6.4 LOAD TESTS

The screenshot shows the LoadTest 1 interface with the following configuration and results:

**Configuration:**

- Limit: 60 Seconds
- Threads: 5
- Strategy: Simple
- Test Delay: 1000
- Random: 0.5

**Test Results Table:**

Test Step	min	max	avg	last	cnt	tps	bytes	bps	err	rat
GetMeasurements	10	128	24,69	32	390	6,44	178230	2945	0	0
TestCase:	10	128	24,69	32	390	6,44	178230	2945	0	0

**Log Entries:**

time	type	step	message
2010-09-08 13:25:24:...	Message		LoadTest started at Wed Sep 08 13:25:24 B
2010-09-08 13:26:24:...	Message		LoadTest ended at Wed Sep 08 13:26:24 B

2 entries

Buttons: LoadTest Log, LoadTest Assertions, Setup Script, TearDown Script

## 1.7 METHOD GETCONSUMPTIONS

### 1.7.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:arr="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem:GetConsumptions>
```

```
<!--Optional:-->
```

```
<tem:token>+1ERY5V7NuFaGXg/ehZxn1uA0rtvqjse4/nUoOU1vEmovt3b6jTT1kmbQ+pU3LgDTbcNYdayeEL
vTsnd6mSOQ==</tem:token>
```

```
<!--Optional:-->
```

```
<tem:tagId>
```

```
<!--Zero or more repetitions:-->
```

```
<arr:int>1</arr:int>
</tem:tagId>
<!--Optional:-->
<tem:beginDate>2010-09-08T10:00:00</tem:beginDate>
<!--Optional:-->
<tem:endDate>2010-09-08T10:56:00</tem:endDate>
<!--Optional:-->
<tem:aggregationType>INSTANT</tem:aggregationType>
<!--Optional:-->
<tem:measurementUnitId>2</tem:measurementUnitId>
</tem:GetConsumptions>
</soapenv:Body>
</soapenv:Envelope>
```

### 1.7.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetConsumptionsResponse xmlns="http://tempuri.org/">
      <GetConsumptionsResult>NoData</GetConsumptionsResult>
      <consumption
xmlns:a="http://schemas.datacontract.org/2004/07/ISA.iEnergy.Common.BL.DataContracts"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"/>
    </GetConsumptionsResponse>
  </s:Body>
</s:Envelope>
```

### 1.7.3 TEST RESULT

The result for this test was NoData due to not having any data inserted in the platform.

## 1.7.4 LOAD TEST

**LoadTest 1**

Limit: 60 Seconds 100%

Threads: 5 Strategy: Simple Test Delay: 1000 Random: 0.5

Test Step	min	max	avg	last	cnt	tps	bytes	bps	err	rat
GetConsumptions	41	332	80,15	85	362	6	136836	2269	0	0
TestCase:	41	332	80,15	85	362	6	136836	2269	0	0

Show Types: - All - Show Steps: - All -

time	type	step	message
2010-09-08 13:34:28...	Message		LoadTest started at Wed Sep 08 13:34:28 B
2010-09-08 13:35:28...	Message		LoadTest ended at Wed Sep 08 13:35:28 B

## 1.8 TEST EDITUNIT

### 1.8.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:isa="http://schemas.datacontract.org/2004/07/ISA.iEnergy.Common.BL.DataContracts">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem>EditUnit>
```

```
<!--Optional:-->
```

```
<tem:token>+1ERY5V7NuFaGXg/ehZxf1uA0rtvqjse4/nUoOU1vEmovt3b6jTT1kmbQ+pU3LgDTbcNYdayeEl
vTsnd6mSOQ==</tem:token>
```

```
<!--Optional:-->
```

```
<tem:u>
```

```
<!--Optional:-->
```

```
<isa:id>1</isa:id>
```

```
<!--Optional:-->
```

```
<isa:interval>61</isa:interval>
<!--Optional:-->
<isa:name>AteradaSoap</isa:name>
<!--Optional:-->
<isa:remoteld>66</isa:remoteld>
<!--Optional:-->
<isa:serial>66</isa:serial>
</tem:u>
</tem:EditUnit>
</soapenv:Body>
</soapenv:Envelope>
```

## 1.8.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <EditUnitResponse xmlns="http://tempuri.org/">
      <EditUnitResult>Success</EditUnitResult>
    </EditUnitResponse>
  </s:Body>
</s:Envelope>
```

## 1.8.3 TEST RESULT

The result for this test was Success.

## 1.9 METHOD EDITTAG

### 1.9.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:isa="http://schemas.datacontract.org/2004/07/ISA.iEnergy.Common.BL.DataContracts">
  <soapenv:Header/>
  <soapenv:Body>
    <tem:EditTag>
      <!--Optional:-->
```

```
<tem:token>+1ERY5V7NuFaGXg/ehZxf1uA0rtvqjse4/nUoOU1vEmovt3b6jTT1kmbQ+pU3LgDTbcNYdayeElvTsnd6mSOQ==</tem:token>
```

```
<!--Optional:-->
```

```
<tem:t>
```

```
<!--Optional:-->
```

```
<isa:deviceId>3</isa:deviceId>
```

```
<!--Optional:-->
```

```
<isa:id>1</isa:id>
```

```
<!--Optional:-->
```

```
<isa:name>Alterada</isa:name>
```

```
<!--Optional:-->
```

```
<isa:remotId>21</isa:remotId>
```

```
<!--Optional:-->
```

```
<isa:type>1</isa:type>
```

```
</tem:t>
```

```
</tem:EditTag>
```

```
</soapenv:Body>
```

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

### 1.9.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<s:Body>
```

```
<EditTagResponse xmlns="http://tempuri.org/">
```

```
<EditTagResult>Success</EditTagResult>
```

```
</EditTagResponse>
```

```
</s:Body>
```

```
</s:Envelope>
```

### 1.9.3 TEST RESULT

The result for this test was Success.

## 1.10 METHOD EDITDEVICE

### 1.10.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:isa="http://schemas.datacontract.org/2004/07/ISA.iEnergy.Common.BL.DataContracts">
  <soapenv:Header/>
  <soapenv:Body>
    <tem:EditDevice>
      <!--Optional:-->
      <tem:token>+1ERY5V7NuFaGXg/ehZxf1uA0rtvqjse4/nUoOU1vEmovt3b6jTT1kmbQ+pU3LgDTbcNYdayeEl
vTsnd6mSOQ==</tem:token>
      <!--Optional:-->
      <tem:d>
        <!--Optional:-->
        <isa:id>3</isa:id>
        <!--Optional:-->
        <isa:interval>60</isa:interval>
        <!--Optional:-->
        <isa:name>AlteradoSoap</isa:name>
        <!--Optional:-->
        <isa:remoteld>10</isa:remoteld>
        <!--Optional:-->
        <isa:stepld>5</isa:stepld>
        <!--Optional:-->
        <isa:tariffld>1</isa:tariffld>
        <!--Optional:-->
        <isa:typeld>2</isa:typeld>
        <!--Optional:-->
        <isa:unitld>1</isa:unitld>
      </tem:d>
    </tem:EditDevice>
```

```
</soapenv:Body>
```

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

### 1.10.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<s:Body>
```

```
<EditDeviceResponse xmlns="http://tempuri.org/">
```

```
<EditDeviceResult>Success</EditDeviceResult>
```

```
</EditDeviceResponse>
```

```
</s:Body>
```

```
</s:Envelope>
```

### 1.10.3 TEST RESULT

The result for this test was Success.

## 1.11 METHOD UPDATEUSERPASSWORD

### 1.11.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
xmlns:tem="http://tempuri.org/">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem:UpdateUserPassword>
```

```
<!--Optional:-->
```

```
<tem:token>+1ERY5V7NuFaGXg/ehZxf1uA0rtvqjse4/nUoOU1vEmovt3b6jTT1kmbQ+pU3LgDTbcNYdayeEl  
vTsnd6mSOQ==</tem:token>
```

```
<!--Optional:-->
```

```
<tem:oldPassword>ienergy</tem:oldPassword>
```

```
<!--Optional:-->
```

```
<tem:newPassword>ienergy2</tem:newPassword>
```

```
</tem:UpdateUserPassword>
```

```
</soapenv:Body>
```

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

### 1.11.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <UpdateUserPasswordResponse xmlns="http://tempuri.org/">
      <UpdateUserPasswordResult>Success</UpdateUserPasswordResult>
    </UpdateUserPasswordResponse>
  </s:Body>
</s:Envelope>
```

### 1.11.3 TEST RESULT

The result for this test was Success.

## 1.12 METHOD DELETETAG

### 1.12.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/">
  <soapenv:Header/>
  <soapenv:Body>
    <tem>DeleteTag>
      <!--Optional:-->
      <tem:token>zW8bVd/TJk0vTpUBaZfRYb38NFLv7GkCm4wnDxcjap3H2CaL6uUJU01nQ4qnlZpYTBqBvQw3ZQ
0fdPdCpJ2IDA==</tem:token>
      <!--Optional:-->
      <tem:tag_id>2</tem:tag_id>
    </tem>DeleteTag>
  </soapenv:Body>
</soapenv:Envelope>
```

### 1.12.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <DeleteTagResponse xmlns="http://tempuri.org/">
      <DeleteTagResult>Success</DeleteTagResult>
    </DeleteTagResponse>
  </s:Body>
</s:Envelope>
```

```
</DeleteTagResponse>
```

```
</s:Body>
```

```
</s:Envelope>
```

### 1.12.3 TEST RESULT

The result for this test was Success.

## 1.13 METHOD DELETEDevice

### 1.13.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
xmlns:tem="http://tempuri.org/">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem:DeleteDevice>
```

```
<!--Optional:-->
```

```
<tem:token>zW8bVd/TJk0vTpUBaZfRYb38NFLv7GkCm4wnDxcjap3H2CaL6uUJU01nQ4qnlZpYTBqBvQw3ZQ  
0fdPdCpJ2IDA==</tem:token>
```

```
<!--Optional:-->
```

```
<tem:d_id>9</tem:d_id>
```

```
</tem:DeleteDevice>
```

```
</soapenv:Body>
```

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

### 1.13.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<s:Body>
```

```
<DeleteDeviceResponse xmlns="http://tempuri.org/">
```

```
<DeleteDeviceResult>Success</DeleteDeviceResult>
```

```
</DeleteDeviceResponse>
```

```
</s:Body>
```

```
</s:Envelope>
```

### 1.13.3 TEST RESULT

The result for this test was Success.

## 1.14 METHOD DELETEDATA

### 1.14.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem:DeleteData>
```

```
<!--Optional:-->
```

```
<tem:token>zW8bVd/TJk0vTpUBaZfRYb38NFLv7GkCm4wnDxcjap3H2CaL6uUJU01nQ4qnlZpYTBqBvQw3ZQ
0fdPdCpJ2IDA==</tem:token>
```

```
<!--Optional:-->
```

```
<tem:tagId>1</tem:tagId>
```

```
<!--Optional:-->
```

```
<tem:beginDate>2010-09-08T10:00:00</tem:beginDate>
```

```
<!--Optional:-->
```

```
<tem:endDate>2010-09-08T12:00:00</tem:endDate>
```

```
</tem:DeleteData>
```

```
</soapenv:Body>
```

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

### 1.14.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<s:Body>
```

```
<DeleteDataResponse xmlns="http://tempuri.org/">
```

```
<DeleteDataResult>Success</DeleteDataResult>
```

```
</DeleteDataResponse>
```

```
</s:Body>
```

```
</s:Envelope>
```

### 1.14.3 TEST RESULT

The result for this test was Success.

## 1.15 METHOD REQUESTSEGMENTEDBULKINSERTDATA

### 1.15.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem:RequestSegmentedBulkInsertData>
```

```
<!--Optional:-->
```

```
<tem:token>zW8bVd/TJk0vTpUBaZfRYb38NFLv7GkCm4wnDxcjap3H2CaL6uUJU01nQ4qnZpYTBqBvQw3ZQ
0fdPdCpJ2IDA==</tem:token>
```

```
</tem:RequestSegmentedBulkInsertData>
```

```
</soapenv:Body>
```

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

### 1.15.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<s:Body>
```

```
<RequestSegmentedBulkInsertDataResponse xmlns="http://tempuri.org/">
```

```
<RequestSegmentedBulkInsertDataResult>Success</RequestSegmentedBulkInsertDataResult>
```

```
</RequestSegmentedBulkInsertDataResponse>
```

```
</s:Body>
```

```
</s:Envelope>
```

### 1.15.3 TEST RESULT

The result for this test was Success.

## 1.16 METHOD ROLLBACKSEGMENTEDBULKINSERT

### 1.16.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem:RollbackSegmentedBulkInsert>
```

```
<!--Optional:-->
```

```
<tem:token>zW8bVd/TJk0vTpUBaZfRYb38NFLv7GkCm4wnDxcjap3H2CaL6uUJU01nQ4qnlZpYTBqBvQw3ZQ0fdPdCpJ2IDA==</tem:token>
```

```
</tem:RollbackSegmentedBulkInsert>
```

```
</soapenv:Body>
```

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

## 1.16.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<s:Body>
```

```
<RollbackSegmentedBulkInsertResponse xmlns="http://tempuri.org/">
```

```
<RollbackSegmentedBulkInsertResult>Success</RollbackSegmentedBulkInsertResult>
```

```
</RollbackSegmentedBulkInsertResponse>
```

```
</s:Body>
```

```
</s:Envelope>
```

## 1.16.3 TEST RESULT

The result for this test was Success.

## 1.17 METHOD BULKINSERTDATA

### 1.17.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
xmlns:tem="http://tempuri.org/"  
xmlns:isa="http://schemas.datacontract.org/2004/07/ISA.iEnergy.Common.BL.DataContracts">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem:BulkInsertData>
```

```
<!--Optional:-->
```

```
<tem:token>zW8bVd/TJk0vTpUBaZfRYb38NFLv7GkCm4wnDxcjap3H2CaL6uUJU01nQ4qnlZpYTBqBvQw3ZQ0fdPdCpJ2IDA==</tem:token>
```

```
<!--Optional:-->
```

```
<tem:data>
```

```
<!--Zero or more repetitions:-->
```

```
<isa:DataItem>
  <!--Optional:-->
  <isa:date>2010-09-08T10:00:00</isa:date>
  <!--Optional:-->
  <isa:id>1</isa:id>
  <!--Optional:-->
  <isa:value>1</isa:value>
</isa:DataItem>
</tem:data>
</tem:BulkInsertData>
</soapenv:Body>
</soapenv:Envelope>
```

### 1.17.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <BulkInsertDataResponse xmlns="http://tempuri.org/">
      <BulkInsertDataResult>Success</BulkInsertDataResult>
    </BulkInsertDataResponse>
  </s:Body>
</s:Envelope>
```

### 1.17.3 TEST RESULT

The result for this test was Success.

## 1.18 METHOD SEGMENTEDBULKINSERTDATA

### 1.18.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:tem="http://tempuri.org/"
  xmlns:isa="http://schemas.datacontract.org/2004/07/ISA.iEnergy.Common.BL.DataContracts">
  <soapenv:Header/>
  <soapenv:Body>
    <tem:SegmentedBulkInsertData>
      <!--Optional:-->
```

```
<tem:token>zW8bVd/TJk0vTpUBaZfRYb38NFLv7GkCm4wnDxcjap3H2CaL6uUJU01nQ4qnlZpYTBqBvQw3ZQ  
0fdPdCpJ2IDA==</tem:token>
```

```
<!--Optional:-->
```

```
<tem:data>
```

```
<!--Zero or more repetitions:-->
```

```
<isa:DataItem>
```

```
<!--Optional:-->
```

```
<isa:date>2010-09-08T10:00:00</isa:date>
```

```
<!--Optional:-->
```

```
<isa:id>1</isa:id>
```

```
<!--Optional:-->
```

```
<isa:value>2</isa:value>
```

```
</isa:DataItem>
```

```
</tem:data>
```

```
</tem:SegmentedBulkInsertData>
```

```
</soapenv:Body>
```

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

### 1.18.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<s:Body>
```

```
<SegmentedBulkInsertDataResponse xmlns="http://tempuri.org/">
```

```
<SegmentedBulkInsertDataResult>Success</SegmentedBulkInsertDataResult>
```

```
</SegmentedBulkInsertDataResponse>
```

```
</s:Body>
```

```
</s:Envelope>
```

### 1.18.3 TEST RESULT

The result for this test was Success.

## 1.19 METHOD COMMITSEGMENTEDBULKINSERTDATA

### 1.19.1 REQUEST

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem:CommitSegmentedBulkInsert>
```

```
<!--Optional:-->
```

```
<tem:token>zW8bVd/TJk0vTpUBaZfRYb38NFLv7GkCm4wnDxcjap3H2CaL6uUJU01nQ4qnlZpYTBqBvQw3ZQ
0fdPdCpJ2IDA==</tem:token>
```

```
</tem:CommitSegmentedBulkInsert>
```

```
</soapenv:Body>
```

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

### 1.19.2 REPLY

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<s:Body>
```

```
<CommitSegmentedBulkInsertResponse xmlns="http://tempuri.org/">
```

```
<CommitSegmentedBulkInsertResult>Success</CommitSegmentedBulkInsertResult>
```

```
</CommitSegmentedBulkInsertResponse>
```

```
</s:Body>
```

```
</s:Envelope>
```

### 1.19.3 TEST RESULT

The result for this test was Success.