



Electronic Data Platform Electronic Booking System

Transmission Section

ELECTRONIC DATA PLATFORM ELECTRONIC BOOKING SYSTEM	1
TRANSMISSION SECTION	1
1. INTRODUCTION	1
1.1 Purpose of this document.....	1
2. ELECTRONIC DATA PLATFORM AUTOMATED DOWNLOADS.....	2
2.1 Report Overview.....	2
2.2 General remarks.....	2
2.2.1 Base url.....	2
2.2.2 File Formatting.....	2
2.2.3 Selecting a period	3
2.3 Reports for automatic downloads.....	3
2.3.1 FlowMeasurementOnNode.....	3
2.3.2 FlowMeasurementOnNodeConfiguration	5
2.3.3 FlowMeasurementOnMeteringLine	8
2.3.4 DailyMeteringInformation	10
2.3.5 GasAnalysisOnNode	13
2.3.6 GasAnalysisOnMeteringLine	16
2.3.7 NodeTopology	20
2.3.8 GasExchangeLocationTopology.....	22
2.3.9 Real Time Measurement On Interconnection Point.....	24
2.3.10 Provisional Hourly Allocation	26
2.3.11 Allocation Details	28
2.3.12 Imbalance Smoothing Allocation	33
2.3.13 Wobbe index.....	35
2.3.14 Temperatures	37
2.3.15 ZTP Trading Services.....	38
3. ELECTRONIC DATA PLATFORM: MANUAL DOWNLOADS	41
3.1 Services on interconnection points.....	41
3.2 Position on interconnection points	42
3.3 Booked capacities on quality conversion points.....	42
3.4 Specifications on supply points	43
3.5 Invoices	44
4. ELECTRONIC BOOKING SYSTEM	45
4.1 Transmission Services Portfolio	45
4.1.1 Description.....	45
4.1.2 URL.....	45
4.1.3 Parameters	45
4.1.4 XML.....	45
4.1.5 CSV.....	46
4.1.6 Example URL.....	47
4.2 GridUserRequestsOverview	47
4.2.1 Description	47
4.2.2 URL.....	47
4.2.3 Parameters	47
4.2.4 XML.....	48
4.2.5 CSV.....	53
4.2.6 Example URL.....	53

1. Introduction

1.1 Purpose of this document

The purpose of this document is to describe all the automatic downloads that are available on the Electronic Data Platform and Electronic Booking System for the Transmission context and to give an overview of reports which can manually be downloaded.

2. Electronic Data Platform Automated Downloads

2.1 Report Overview

The following table provides an overview of all report downloads, with an indication for which type of user these reports are provided. (Y = yes; N = no; C = provided if customer has signed a specific contract).

Download Name	Grid User	End User
Allocation > Provisional Hourly Allocation	Y	N
Metering > Hourly Flow Measurement On Node	Y	Y
Metering > Corrected Hourly Flow Measurement On Node	Y	Y
Metering > Hourly Flow Measurement On Node Configuration	Y	Y
Metering > Daily Flow Measurement On Node, Metering Lines or Node Configuration	Y	Y
Metering > Hourly Flow Measurement On Metering Line	Y	Y
Metering > Corrected Hourly Flow Measurement On Metering Line	Y	Y
Metering > Hourly Gas Analysis On Node	Y	Y
Metering > Daily Gas Analysis On Node	Y	Y
Metering > Hourly Gas Analysis On Metering Line	Y	Y
Metering > Daily Gas Analysis On Metering Line	Y	Y
Metering > Node Topology	Y	Y
Metering > Gas Exchange Location Topology	Y	Y
Real Time Measurement On Interconnection Points	C	N
Grid User Account Position	Y	N
Imbalance Smoothing Allocation	Y	N
Settlement Prices	Y	N
Wobbe Index	Y	N
Transmission Services Portfolio	Y	N
Allocation details	Y	N
ZTP Trading Services	Y	N

2.2 General remarks

2.2.1 Base url

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports>

NB: The access to the automatic downloads needs a valid token retrieved after a successful authentication to the server <https://xumais.gasdata.fluxys.com/connect/token> (see technical requirements document for detail)

2.2.2 File Formatting

The XML Schema Definition (XSD) and the full sample XML file and/or CSV file for each of the reports mentioned in this document is provided in the relevant folder on the Fluxys website.

2.2.3 Selecting a period

From/To dates entered for period selection are always included in that period. This means that by denoting DateFrom “2012-04-01” and DateTo “2012-04-02”, a period of 2 days is selected.

A date refers to a GasDay, starting from 06:00 am and ending at 06:00am, local time

2.3 Reports for automatic downloads

2.3.1 FlowMeasurementOnNode

2.3.1.1 Description

This data publication contains flow measurements during the selected period on all the nodes for which the customer has view rights during that period. This publication is available on hourly and corrected hourly basis.

This publication is returned for the following Data Publication Types:

- *HourlyFlowMeasurementOnNode*
All the nodes on which the customer has view rights during the requested date range (DateFrom, DateTo) are returned.
The flow measurements for each node are returned per hour.
- *CorrectedHourlyFlowMeasurementOnNode*
All the nodes on which the customer has view rights and on which corrections have been done during the requested date range (DateFrom, DateTo) are returned.
The flow measurements for each node are returned per hour.

Relative URL (hourly new codification) : </WebTrack/flowmeasurement/node/new/hourly/get>

Relative URL (hourly old codification) : </WebTrack/flowmeasurement/node/hourly/get>

2.3.1.2 Parameters

2.3.1.2.1 type

- default : HourlyFlowMeasurementOnNode
- corrected : CorrectedHourlyFlowMeasurementOnNode

If no parameter type inserted, then the default one is selected.

2.3.1.2.2 periodfrom – periodto

This is the period for which data is retrieved.
Dates are expressed in the YYYY-MM-DD format.
Period is limited to one month if no node is defined.

2.3.1.2.3 identificationfilter

Node for which the data is retrieved. This parameter contains the codification number. Only available in the new codification publication.
If parameter is inserted, the period limit is extended to one year.

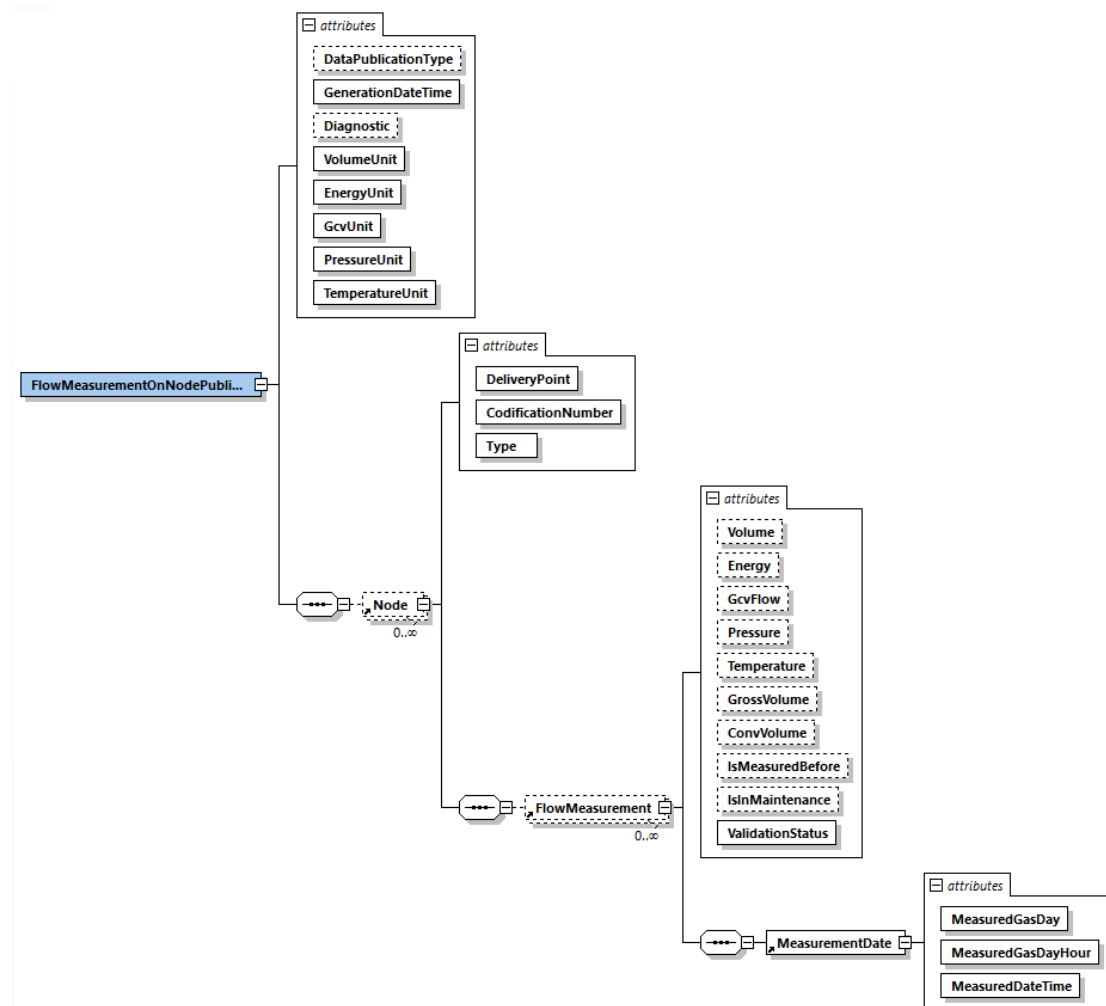
2.3.1.2.4 Format types available

The format types are filled in the header of the http request

- CSV : “text/csv”
- XML : “text/xml”

2.3.1.3 XML format

2.3.1.3.1 XSD (new codification)



The validationStatus of the measurements...

NoData	There is no data available for the requested measurement.
Raw	These measurements are not validated.
Verified	A first verification of the measurements has been done.
Validated	These measurements are validated.

2.3.1.3.2 XML snippet

The full XML sample, containing data for HourlyFlowMeasurementOnNode for 2 gasdays and 2 nodes, can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<FlowMeasurementOnNodePublication
  GenerationDateTime="2012-04-25T10:53:12"
  Diagnostic="NoError" VolumeUnit="m3" EnergyUnit="kWh"
  GcvUnit="kWh/m3" PressureUnit="bar" TemperatureUnit="°C"
  xmlns="http://extranet.fluxys.net/namespace/dps/FlowMeasurementOnNode">
  <Node DeliveryPoint="8900" CodificationNumber="21043-N01" Type="BorderNode">
    <FlowMeasurement Volume="696621.20659" Energy="7958249.49407"
      GcvFlow="11.42407" Pressure="61.03558" Temperature="1.76570"
```

```

      GrossVolume="9551.79880" ConvVolume="10170.00000" ValidationStatus="Validated">
      <MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="1"
      MeasuredDateTime="2012-04-01T04:00:00" />
    </FlowMeasurement>
    <FlowMeasurement Volume="696102.69147" Energy="7951603.09997"
    GcvFlow="11.42303" Pressure="61.02906" Temperature="1.76707"
    GrossVolume="9548.11130" ConvVolume="10170.00000" ValidationStatus="Validated">
    <MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="2"
    MeasuredDateTime="2012-04-01T05:00:00" />
  </FlowMeasurement>
  ...
</Node>
...
</FlowMeasurementOnNodePublication>

```

2.3.1.4 CSV format

The full CSV *sample*, containing data for HourlyFlowMeasurementOnNode for 2 gasdays and 2 nodes, can be found in the CSV folder on the Fluxys website.

The following *snippet* gives an impression of how the CSV file looks like:

```

Node.DeliveryPoint,Node.CodificationNumber,Node.Type,FlowMeasurement.Volume[m³],FlowMeasurement.Energy[
kWh],FlowMeasurement.GcvFlow[kWh/m³],FlowMeasurement.Pressure[bar],FlowMeasurement.Temperature[°C],Flo
wMeasurement.GrossVolume[m3(b)],FlowMeasurement.ConvVolume[m³],FlowMeasurement.IsMeasuredBefore,Flow
Measurement.IsInMaintenance,FlowMeasurement.ValidationStatus,FlowMeasurement.MeasurementDate.GasDay,Fl
owMeasurement.MeasurementDate.GasDayHour,FlowMeasurement.MeasurementDate.MeasuredDateTime
8900,21043-
N01,BorderNode,"696621,20659","7958249,49407","11,42407","61,03558","1,76570","9551,79880","10170,00000",,,
Validated,
2012-04-01,1,2012-04-01 04:00:00
8900,21043-
N01,BorderNode,"696102,69147","7951603,09997","11,42303","61,02906","1,76707","9548,11130","10170,00000",,,
Validated,
2012-04-01,2,2012-04-01 05:00:00
8900,21043-
N01,BorderNode,"695918,67781","7948127,54269","11,42106","60,87618","1,74880","9571,95410","10170,00000",,,
Validated,
2012-04-01,3,2012-04-01 06:00:00
...

```

2.3.1.5 Example URL

The following URL can be used to download a publication with hourly flow measurements on all the nodes for which the customer has view rights on 02/04/2016. The returned file is in XML format.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/flowmeasurement/node/new/hourly/get?periodfrom=2016-04-02&periodto=2016-04-02&type=default>

for a specific node on one year :

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/flowmeasurement/node/new/hourly/get?periodfrom=2016-04-02&periodto=2017-04-01&type=default&identificationfilter=87066-N01>

2.3.2 FlowMeasurementOnNodeConfiguration

2.3.2.1 Description

This data publication contains flow measurements during the selected period on all the nodes configuration for which the customer has view rights during that period. This publication is available on hourly basis and daily basis.

This publication is returned for the following Data Publication Types:

- *HourlyFlowMeasurementOnNodeConfiguration*
All the nodes on which the customer has view rights during the requested date range (DateFrom, DateTo) are returned.
The flow measurements for each node configuration are returned per hour.

Relative URL (new codification) :

</WebTrack/flowmeasurement/nodeconfiguration/new/hourly/get>

2.3.2.2 Parameters

2.3.2.2.1 periodfrom – periodto

This is the period for which data is retrieved.
Dates are expressed in the YYYY-MM-DD format.
Period is limited to one month if no node is defined.

2.3.2.2.2 identificationfilter

Node for which the data is retrieved. This parameter contains the codification number. Only available in the new codification publication.
If parameter is inserted, the period limit is extended to one year.

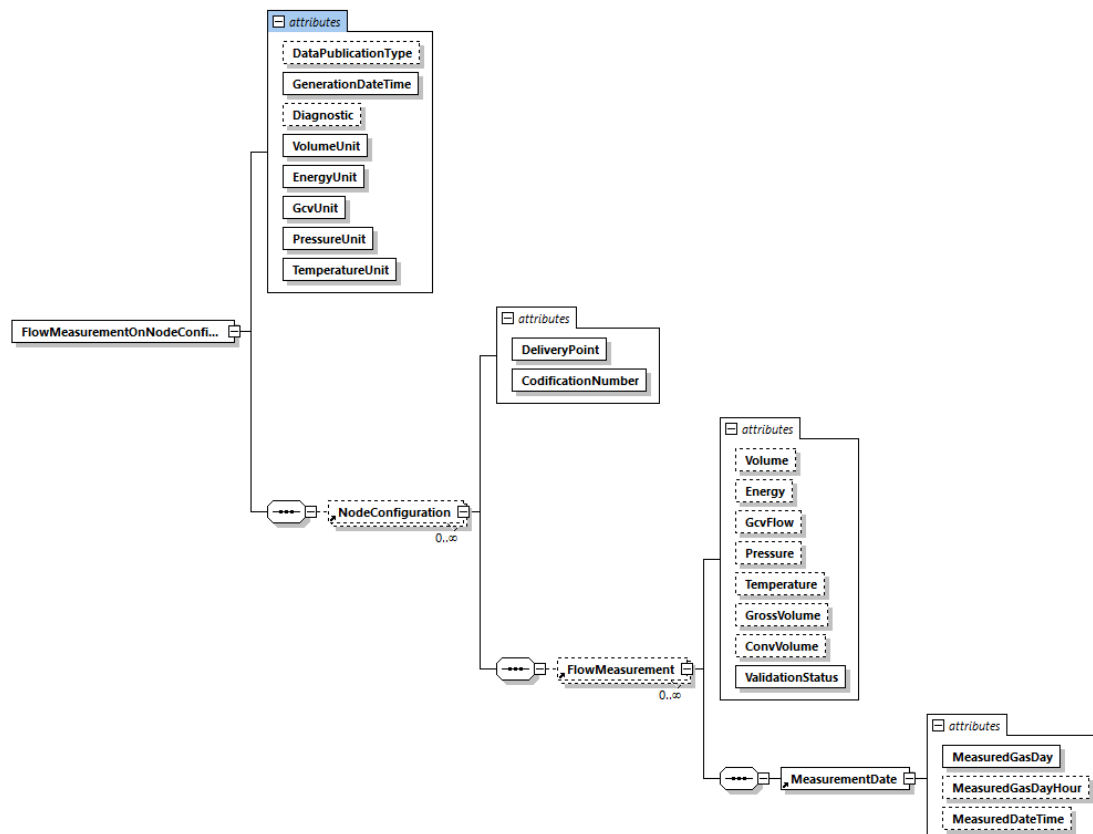
2.3.2.2.3 Format types available

The format types are filled in the header of the http request

- CSV : "text/csv"
- XML : "text/xml"

2.3.2.3 XML format

2.3.2.3.1 XSD (new codification)



NoData	There is no data available for the requested measurement.
Raw	These measurements are not validated.
Verified	A first verification of the measurements has been done.
Validated	These measurements are validated.

The full XML sample, containing data for HourlyFlowMeasurementOnNodeConfigurationForInternalCodification for one gasday on one node configuration, for 2 gas hours, can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<FlowMeasurementOnNodeConfigurationPublication
DataPublicationType="FlowMeasurementOnNodeConfiguration" GenerationDateTime="2018-01-30T09:15:13"
Diagnostic="NoError" VolumeUnit="m³" EnergyUnit="kWh" GcvUnit="kWh/m³" PressureUnit="bar"
TemperatureUnit="°C" xmlns="http://extranet.fluxys.net/namespaces/dps/FlowMeasurementOnNodeConfiguration">
  <NodeConfiguration CodificationNumber="08110-N01/B" DeliveryPoint="291">
    <FlowMeasurement Volume="1647704.13843" Energy="18862162.71083" GcvFlow="11.44754"
Pressure="76.02600" Temperature="2.25719" GrossVolume="17754.82000" ValidationStatus="Raw">
      <MeasurementDate MeasuredGasDay="2018-01-30" MeasuredGasDayHour="1" MeasuredDateTime="2018-01-
30T05:00:00" />
    </FlowMeasurement>
    <FlowMeasurement Volume="1642627.08911" Energy="18803823.76247" GcvFlow="11.44741"
Pressure="73.79558" Temperature="2.13114" GrossVolume="18342.45000" ValidationStatus="Raw">
      <MeasurementDate MeasuredGasDay="2018-01-30" MeasuredGasDayHour="2" MeasuredDateTime="2018-01-
30T06:00:00" />
    </FlowMeasurement>
  </NodeConfiguration>
</FlowMeasurementOnNodeConfigurationPublication>
```

The full CSV *sample*, containing data for HourlyFlowMeasurementOnNodeConfigurationForInternalCodification for a gasdays on a node configuration, for two gas hours, can be found in the CSV folder on the Fluxys website.

The following *snippet* gives an impression of how the CSV file looks like:

NodeConfigurationDeliveryPoint,NodeConfigurationCodificationNumber,FlowMeasurementVolume,VolumeUnitSymbolExternal,FlowMeasurementEnergy,EnergyUnitSymbolExternal,FlowMeasurementGcvFlow,GcvUnitSymbolExternal,FlowMeasurementPressure,PressureUnitSymbolExternal,FlowMeasurementTemperature,TemperatureUnitSymbolExternal,FlowMeasurementGrossVolume,GrossVolumeUnitSymbolExternal,FlowMeasurementConvVolume,ConvVolumeUnitSymbolExternal,FlowMeasurementValidationStatus,FlowMeasurementMeasurementDateGasDay,FlowMeasurementMeasurementDateGasHour,FlowMeasurementMeasurementDateMeasuredDateTime
7340,07340-N01/A,“-389317,4390869”,m³,-“4421124,25088888888888888892”,kWh,“11,35609096078055555555555556,kWh/m³”,“58,83939”,bar,“9,5344944”,°C,“-5994,037”,m3(b),0,m³,Raw,2018-01-29,1,2018-01-29 05:00:00
7340,07340-N01/A,“-385604,5954895”,m³,-“4381460,662152777777777777781”,kWh,“11,3625737696166666666666666668”,kWh/m³,“58,83299”,bar,“9,8113431931” °C,“-5944.953”,m3(b),0,m³,Raw,2018-01-29,2,2018-01-29 06:00:00

The following URL can be used to download a publication with hourly flow measurements on all the nodes for which the customer has view rights on 02/04/2016. The returned file is in XML format.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/flowmeasurement/no-deconfiguration/new/hourly/get?periodfrom=2016-04-02&periodto=2016-04-02&type=default>

for a specific node on one year :

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/flowmeasurement/no deconfiguration/new/hourly/get?periodfrom=2016-04-02&periodto=2017-04-01&type=default&identificationfilter=87066-N01>

2.3.3 FlowMeasurementOnMeteringLine

2.3.3.1 Description

This data publication contains flow measurements during the selected period on all the metering lines for which the customer has view rights during that period. This publication is available hourly and corrected on an hourly basis.

This publication is returned for the following Data Publication Types:

- *HourlyFlowMeasurementOnMeteringLine*
All the metering lines on which the customer has view rights during the requested date range (DateFrom, DateTo) are returned.
The flow measurements for each metering line are returned per hour.
- *CorrectedHourlyFlowMeasurementOnMeteringLine*
All the metering lines on which the customer has view rights and on which corrections have been done during the requested date range (DateFrom, DateTo) are returned.
The flow measurements for each metering line are returned per hour..

Relative URL (new codification) : </WebTrack/flowmeasurement/meteringline/new/hourly/get>

Relative URL (old codification) : </WebTrack/flowmeasurement/meteringline/hourly/get>

2.3.3.2 Parameters

2.3.3.2.1 type

- default : HourlyFlowMeasurementOnMeteringLine
- corrected : CorrectedHourlyFlowMeasurementOnMeteringLine

If no parameter type inserted, then the default one is selected.

2.3.3.2.2 periodfrom – periodto

This is the period for which data is retrieved.
Dates are expressed in the YYYY-MM-DD format.
Period is limited to one month if no node is defined.

2.3.3.2.3 identificationfilter

Metering Line for which the data is retrieved. This parameter contains the business identifier.
Only available in the new codification publication.
If parameter is inserted, the period limit is extended to one year.

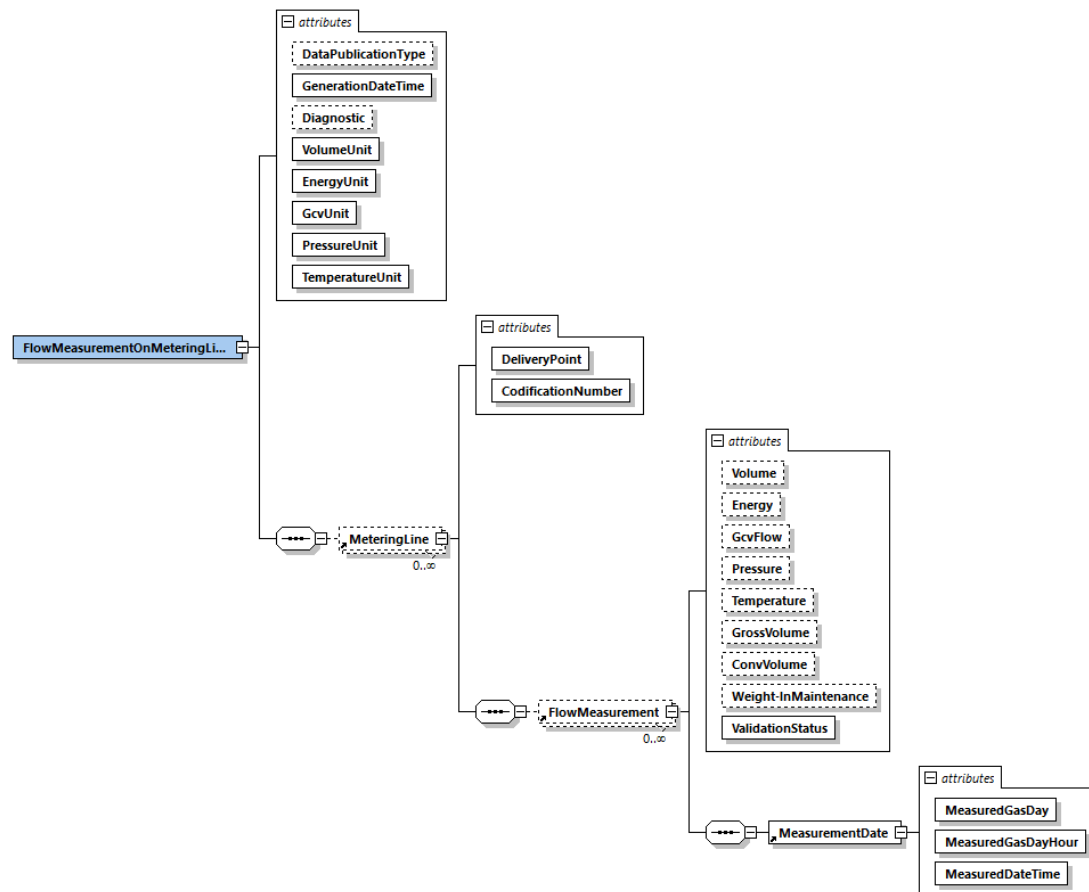
2.3.3.2.4 Format types available

The format types are filled in the header of the http request

- CSV : "text/csv"
- XML : "text/xml"

2.3.3.3 XML format

2.3.3.3.1 XSD (new codification)



The validationStatus of the measurements...

NoData	There is no data available for the requested measurement.
Raw	These measurements are not validated.
Verified	A first verification of the measurements has been done.
Validated	These measurements are validated.

2.3.3.3.2 XML snippet

The full XML sample, containing data for HourlyFlowMeasurementOnMeteringLine for 2 gasdays and 2 metering lines, can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<FlowMeasurementOnMeteringLinePublication
  DataPublicationType="FlowMeasurementOnMeteringLine" GenerationDateTime="2012-04-24T09:47:38"
  Diagnostic="NoError" VolumeUnit="m3" EnergyUnit="kWh" GcvUnit="kWh/m3" PressureUnit="bar"
  TemperatureUnit="°C"
  xmlns="http://extranet.fluxys.net/namespace/dps/FlowMeasurementOnMeteringLine">
  <MeteringLine DeliveryPoint="8900" CodificationNumber="8900/A/1">
    <FlowMeasurement
      Volume="696621.20659" Energy="7958249.49407" GcvFlow="11.42407" Pressure="61.03558"
      Temperature="1.76570" GrossVolume="9551.79880" ConvVolume="10170.00000"
      Weight-InMaintenance=5.0 ValidationStatus="Validated">
      <MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="1"
        MeasuredDateTime="2012-04-01T04:00:00" />
    </FlowMeasurement>
  </MeteringLine>
</FlowMeasurementOnMeteringLinePublication>
```

```

</FlowMeasurement>
<FlowMeasurement
  Volume="696102.69147" Energy="7951603.09997" GcvFlow="11.42303" Pressure="61.02906"
  Temperature="1.76707" GrossVolume="9548.11130" ConvVolume="10170.00000"
  Weight-InMaintenance=5.0 ValidationStatus="Validated">
  <MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="2"
    MeasuredDateTime="2012-04-01T05:00:00" />
</FlowMeasurement>
...
</MeteringLine>
...
</FlowMeasurementOnMeteringLinePublication>

```

2.3.3.4 CSV format

The full CSV sample, containing data for HourlyFlowMeasurementOnMeteringLine for 2 gasdays and 2 metering lines, can be found in the CSV folder on the Fluxys website.

The following *snippet* gives an impression of how the CSV file looks like:

```

Line.DeliveryPoint,Line.CodificationNumber,FlowMeasurement.Volume[m³],FlowMeasurement.Energy[kWh],FlowMe
asurement.GcvFlow[kWh/m³],FlowMeasurement.Pressure[bar],FlowMeasurement.Temperature[°C],FlowMeasureme
nt.GrossVolume[m3(b)],FlowMeasurement.ConvVolume[m³],FlowMeasurement.IsMeasuredBefore,FlowMeasuremen
t.Weight-
InMaintenance,FlowMeasurement.ValidationStatus,FlowMeasurement.MeasurementDate.GasDay,FlowMeasurement
.MeasurementDate.GasDayHour,FlowMeasurement.MeasurementDate.MeasuredDateTime
8900,8900/A/1,"696621,20659","7958249,49407","11,42407","61,03558","1,76570","9551,79880","10170,00000",No,5
.0,Validated,2012-04-01,1,
2012-04-01 04:00:00
8900,8900/A/2,"696102,69147","7951603,09997","11,42303","61,02906","1,76707","9548,11130","10170,00000",No,5
.0,Validated,2012-04-01,2,
2012-04-01 05:00:00
...

```

2.3.3.5 Example URL

The following URL can be used to download a publication with hourly flow measurements on all the metering lines for which the customer has view rights during April 2016. The returned file is in XML format.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/flowmeasurement/meteringline/new/hourly/get?periodfrom=2016-04-01&periodto=2016-04-30&type=default>

for a specific metering line on one year :

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/flowmeasurement/meteringline/new/hourly/get?periodfrom=2016-04-01&periodto=2017-03-31&type=default&identificationfilter=87066-N01/A/1>

2.3.4 DailyMeteringInformation

2.3.4.1 Description

This data publication contains flow measurements during the selected period on Nodes, Metering Lines or Node Configuration for which the customer has view rights during that period. This publication is available on daily basis and only in xml format.

This publication is returned for the following Data Publication Types:

- *DailyMetering*
All the requested metering lines, nodes or nodes configuration on which the customer has view rights during the requested date range (DateFrom, DateTo) are returned.
The flow measurements and gas information for each elements are returned per day.

Relative URL : </TransmissionHandler/Reports/DailyMetering>

2.3.4.2 Parameters

2.3.4.2.1 periodfrom – periodto

This is the period for which data is retrieved. These are mandatory parameters.
Dates are expressed in the YYYY-MM-DD format.
Period is limited to one month.

2.3.4.2.2 NodeLineConfigurationSwitch

This is the elements on which the data must be retrieved. This is mandatory parameter. It is expressed by a letter.

N – Nodes

L – Metering Lines

C – Nodes Configuration

You cannot make a request for two different NodeConfigurationSwitch at the same time.

2.3.4.2.3 NodeLines

Element for which the data is retrieved. This parameter contains the business identifier.
This parameter is mandatory and can be present several times for different elements. The request will therefore retrieve the information for all provided elements.

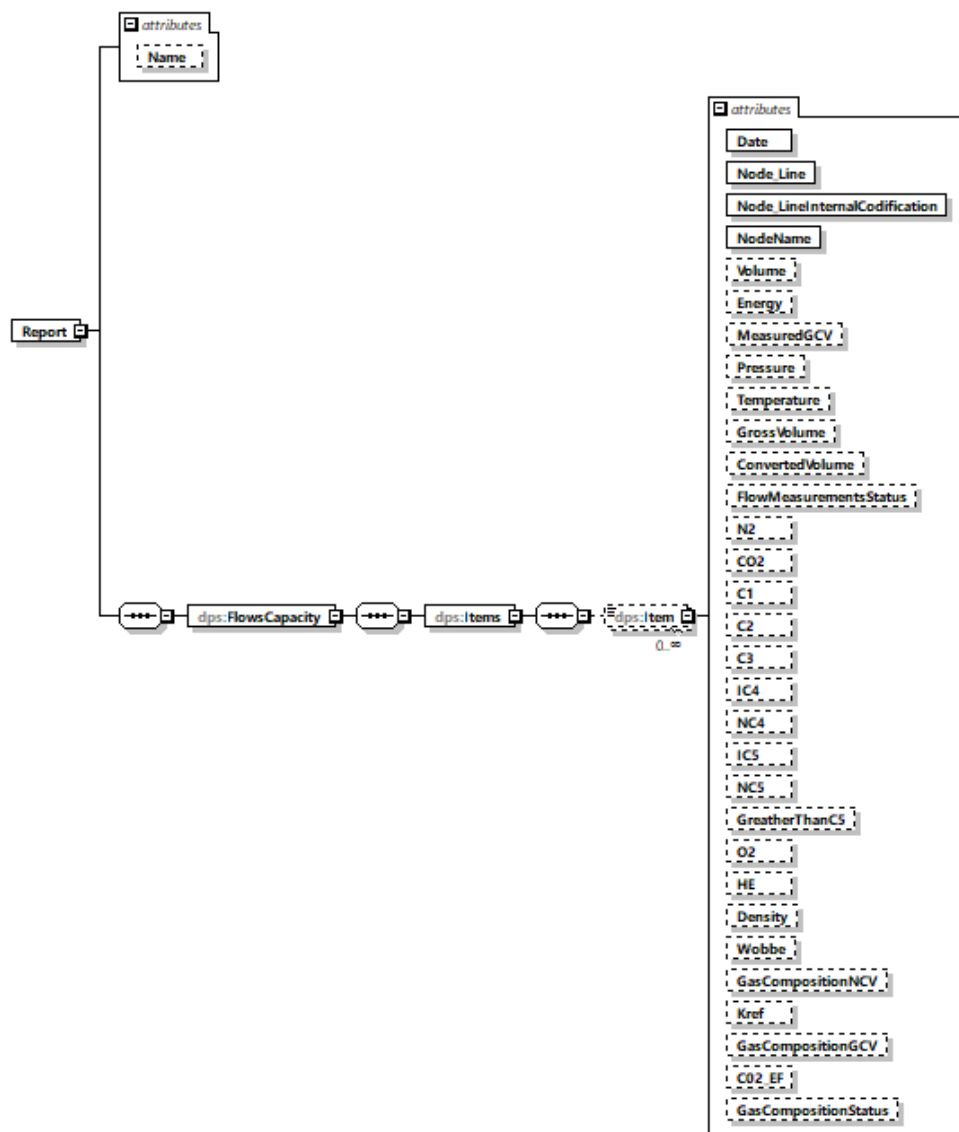
2.3.4.2.4 Format types available

The format types are filled in the header of the http request

- XML : *"text/xml"*

2.3.4.3 XML format

2.3.4.3.1 XSD (new codification)



Generated by XMLSpy

www.altova.com

The validationStatus of the measurements...

NoData	There is no data available for the requested measurement.
Raw	These measurements are not validated.
Verified	A first verification of the measurements has been done.
Validated	These measurements are validated.

2.3.4.3.2 XML snippet

The full XML sample, containing data for DailyMetering for 2 gasdays for one node configuration, can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Name="DailyMeteringInformationNewCodification" xmlns="http://data.fluxys.com">
  <FlowsCapacity>
    <Items>
      <Item Date="2018-02-12T00:00:00" Node_Line="12345-N01/A"
Node_LineInternalCodification="12345" NodeName="Test" N2="0.5867916666666666" CO2="1.337875"
C1="91.3699014579521" C2="5.161" C3="1.078083333333333" IC4="0.17175" NC4="0.1695833333333333"
IC5="0.0499583333333333" NC5="0.0339583333333333" GreaterThanC5="0.0410985420479167" O2="0" HE="0"
Density="0.793463829712962" Wobbe="14.7998988453777" GasCompositionNCV="10.4725093154286"
Kref="0.886455004285954" GasCompositionGCV="11.5940716457027" CO2_EF="56.5641033862879"
GasCompositionStatus="Raw" />
      <Item Date="2018-02-13T00:00:00" Node_Line="12345-N01/A"
Node_LineInternalCodification="12345" NodeName="Test" GasCompositionStatus="Raw" />
    </Items>
  </FlowsCapacity>
</Report>
```

2.3.4.4 Example URL

The following URL can be used to download a publication with daily measurements on all the nodes for which the customer has view rights during April 2016. The returned file is in XML format.

<https://api.gasdata.fluxys.com//TransmissionHandler/Reports/DailyMeteringInformation?periodfrom=2016-10-01&periodto=2016-10-31&NodeLineConfigurationSwitch=N&NodeLines=12345-N01>

for a specific node configuration on a month on two nodes configurations :

<https://api.gasdata.fluxys.com//TransmissionHandler/Reports/DailyMeteringInformation?periodfrom=2017-10-01&periodto=2017-10-31&NodeLineConfigurationSwitch=C&NodeLines=12345-N01/A/1&NodeLines=12345-N01/A/2>

2.3.5 GasAnalysisOnNode

2.3.5.1 Description

This data publication contains the gas analysis during the selected period on all the nodes for which the customer has view rights during that period. This publication is available on hourly and aggregated daily basis.

This publication is returned for the following Data Publication Types:

- HourlyGasAnalysisOnNode**
 All the nodes on which the customer has view rights during the requested date range (DateFrom, DateTo) are returned.
 The gas analysis for each node is returned per hour.
 Relative URL (new codification): [/WebTrack/gasanalysis/node/new/hourly/get](#)
 Relative URL (old codification): [/WebTrack/gasanalysis/node/hourly/get](#)
- DailyGasAnalysisOnNode**
 All the nodes on which the customer has view rights during the requested date range (DateFrom, DateTo) are returned.
 For each node the gas analysis is aggregated and returned per day.
 Relative URL (new codification): [/WebTrack/gasanalysis/node/new/daily/get](#)
 Relative URL (old codification): [/WebTrack/gasanalysis/node/daily/get](#)

2.3.5.2 Parameters

2.3.5.2.1 periodfrom – periodto

This is the period for which data is retrieved.

Dates are expressed in the YYYY-MM-DD format.

Period is limited to one month if no node is defined.

2.3.5.2.2 identificationfilter

Node for which the data is retrieved. This parameter contains the codification number. Only available in the new codification publication.

If parameter is inserted, the period limit is extended to one year.

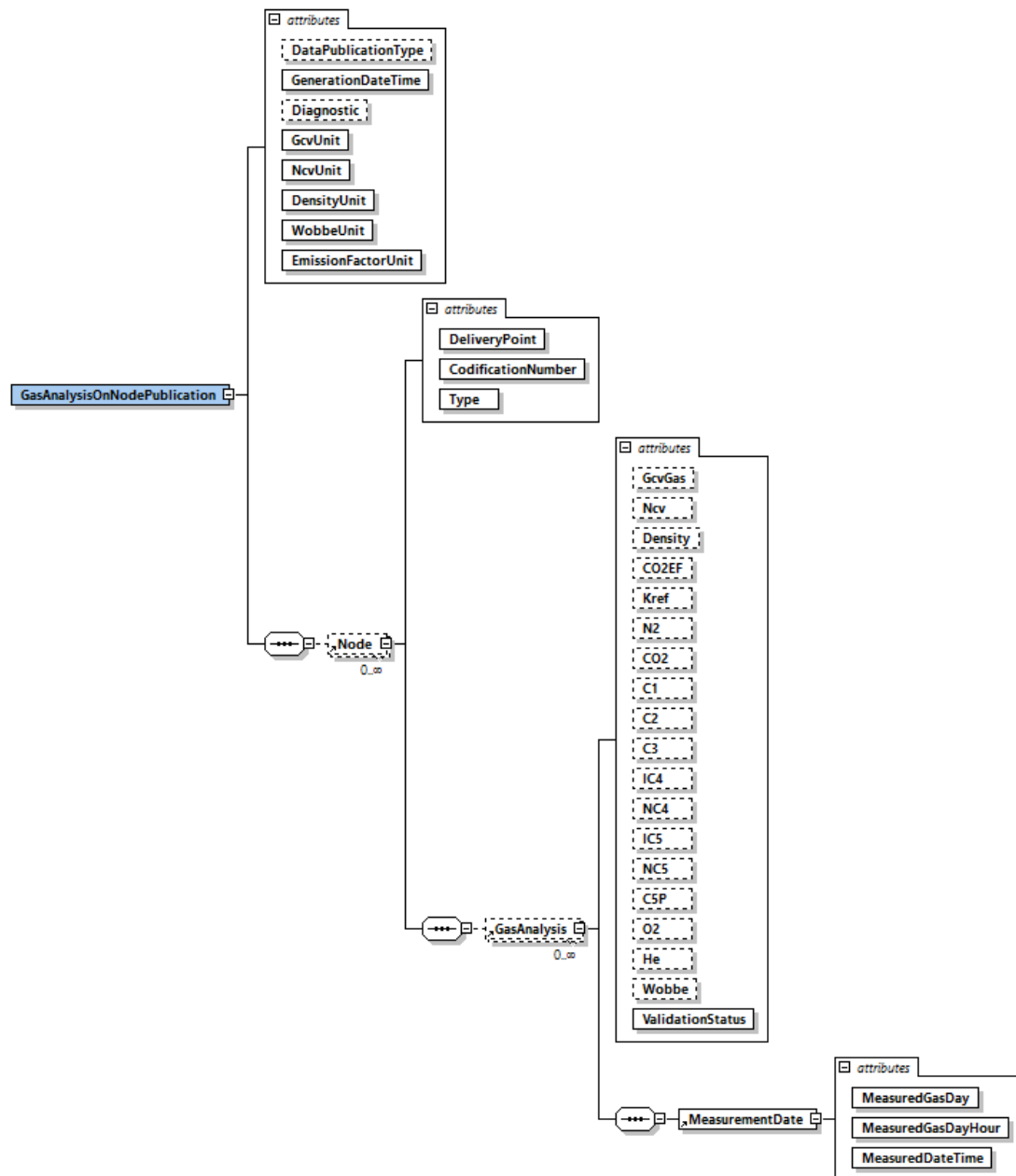
2.3.5.2.3 Format types available

The format types are filled in the header of the http request

- CSV : "*text/csv*"
- XML : "*text/xml*"

2.3.5.3 XML format

2.3.5.3.1 XSD (new codification)



2.3.5.3.2 XML snippet

The full XML sample, containing data for HourlyGasAnalysisOnNode for 2 gasdays and 2 nodes, can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<GasAnalysisOnNodePublication
  DataPublicationType="GasAnalysisOnNode"
  GenerationDateTime="2012-04-25T14:10:02" Diagnostic="NoError"
  GcvUnit="kWh/m³" NcvUnit="kWh/m³" DensityUnit="kg/m³"
  WobbeUnit="kWh/m³" EmissionFactorUnit="t/TJ"
  xmlns="http://extranet.fluxys.net/namespace/dps/GasAnalysisOnNode">
  <Node DeliveryPoint="8900" CodificationNumber="21043-N01" Type="BorderNode">
    <GasAnalysis GcvGas="11.42407" Ncv="10.31719" Density="0.79537" CO2EF="56.64696"
      Kref="0.88879" N2="1.20419" CO2="1.64015" C1="90.88403"
      C2="5.07969" C3="0.72333" IC4="0.22697" NC4="0.09849"
      IC5="0.04102" NC5="0.02087" C5P="0.06536" O2="0.00000"
      He="0.00000" Wobbe="0.00000" ValidationStatus="Valid">
```

```

He="0.01590" Wobbe="14.56537" ValidationStatus="Raw">
<MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="1"
MeasuredDateTime="2012-04-01T04:00:00" />
</GasAnalysis>
<GasAnalysis GcvGas="11.42303" Ncv="10.31620" Density="0.79518" CO2EF="56.64417"
Kref="0.88884" N2="1.20365" CO2="1.63470" C1="90.88828"
C2="5.09365" C3="0.71704" IC4="0.22559" NC4="0.09643"
IC5="0.04046" NC5="0.02022" C5P="0.06408" O2="0.00000"
He="0.01590" Wobbe="14.56586" ValidationStatus="Raw">
<MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="2"
MeasuredDateTime="2012-04-01T05:00:00" />
</GasAnalysis>
...
</Node>
..
</GasAnalysisOnNodePublication>

```

2.3.5.4 CSV format

The full CSV sample, containing data for HourlyGasAnalysisOnNode for 2 gasdays and 2 nodes, can be found in the CSV folder on the Fluxys website.

The following *snippet* gives an impression of how the CSV file looks like:

```

NodeCodificationNumber,NodeDeliveryPoint,NodeType,GasAnalysisGcvGas,GcvUnit,GasAnalysisNcv,NcvUnit,Gas
AnalysisDensity,DensityUnit,GasAnalysisWobbe,WobbeUnit,GasAnalysisCO2EF,GasAnalysisCO2EFUnit,GasAnalys
isKref,GasAnalysisElementsUnit,GasAnalysisN2,GasAnalysisCO2,GasAnalysisC1,GasAnalysisC2,GasAnalysisC3,G
asAnalysisIC4,GasAnalysisNC4,GasAnalysisIC5,GasAnalysisNC5,GasAnalysisC5P,GasAnalysisO2,GasAnalysisHe,
GasAnalysisValidationStatus,GasAnalysisMeasurementDateGasDay,GasAnalysisMeasurementDateGasDayHour,Ga
sAnalysisMeasurementDateMeasuredDateTime
08110-
N01,291,BorderNode,"11,484136688049250000000000000001",kWh/m³,"10,3745176524711944444444444445",kWh/m³,
"0,808500043747844",kg/m³,"14,5226085302250000000000000001",kWh/m³,"57,0354517823428",t/TJ,"0,885367497
354766",mol%,"1,11379500","2,10908700","90,0768949200","4,86890800","1,27326500","0,238804500","0,1771268
00","0,0530438600","0,0344849100","0,0545900100",0,0,Validated,2020-01-22,1,2020-01-22 05:00:00
08110-
N01,291,BorderNode,"11,4870304440247777777777777779",kWh/m³,"10,3770377100364444444444444445",kWh/m³,
"0,807738162236522",kg/m³,"14,5331170948444444444444444446",kWh/m³,"57,0102256884258",t/TJ,"0,885478661
460846",mol%,"1,10220500","2,06982900","90,1500280300","4,8594400","1,26067500","0,236877900","0,17693240
0","0,0536748600","0,0351785200","0,0551592900",0,0,Validated,2020-01-22,2,2020-01-22 06:00:00
08110-
N01,291,BorderNode,"11,4858611184920277777777777779",kWh/m³,"10,3759444265461388888888888890",kWh/m³,
"0,807644148811327",kg/m³,"14,5324834415611111111111111112",kWh/m³,"57,0085550029569",t/TJ,"0,885517513
329442",mol%,"1,10259700","2,06926400","90,1672724800","4,84034300","1,26180600","0,237354300","0,1772367
00","0,0537656800","0,0352460900","0,0551147500",0,0,Validated,2020-01-22,3,2020-01-22 07:00:00
...

```

2.3.5.5 Example URL

The following URL can be used to download a publication with the hourly gas analysis on all the nodes for which the customer has view rights during April 2016. The returned file is in XML format.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/gasanalysis/node/ne/w/hourly/get?periodfrom=2016-04-01&periodto=2016-04-30>

for a specific node on one year :

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/gasanalysis/node/ne/w/hourly/get?periodfrom=2016-04-01&periodto=2016-03-31&identificationfilter=87066-N01>

2.3.6 GasAnalysisOnMeteringLine

2.3.6.1 Description

This data publication contains the gas analysis during the selected period on all the metering lines for which the customer has view rights during that period. This publication is available on hourly and aggregated daily basis.

This publication is returned for the following Data Publication Types:

- *HourlyGasAnalysisOnMeteringLine*
All the metering lines on which the customer has view rights during the requested date range (DateFrom, DateTo) are returned.
The gas analysis for each metering line is returned per hour.

Relative URL(new codification): </WebTrack/gasanalysis/meteringline/new/hourly/get>

Relative URL(old codification): </WebTrack/gasanalysis/meteringline/hourly/get>

- *DailyGasAnalysisOnMeteringLine*
All the metering lines on which the customer has view rights during the requested date range (DateFrom, DateTo) are returned.
The gas analysis for each metering line is aggregated and returned per day.

Relative URL(new codification): </WebTrack/gasanalysis/meteringline/new/daily/get>

Relative URL(old codification): </WebTrack/gasanalysis/meteringline/daily/get>

2.3.6.2 Parameters

2.3.6.2.1 periodfrom – periodto

This is the period for which data is retrieved.

Dates are expressed in the YYYY-MM-DD format.

Period is limited to one month if no metering line is defined.

2.3.6.2.2 identificationfilter

Metering Line for which the data is retrieved. This parameter contains the business identifier.

Only available in the new codification publication.

If parameter is inserted, the period limit is extended to one year.

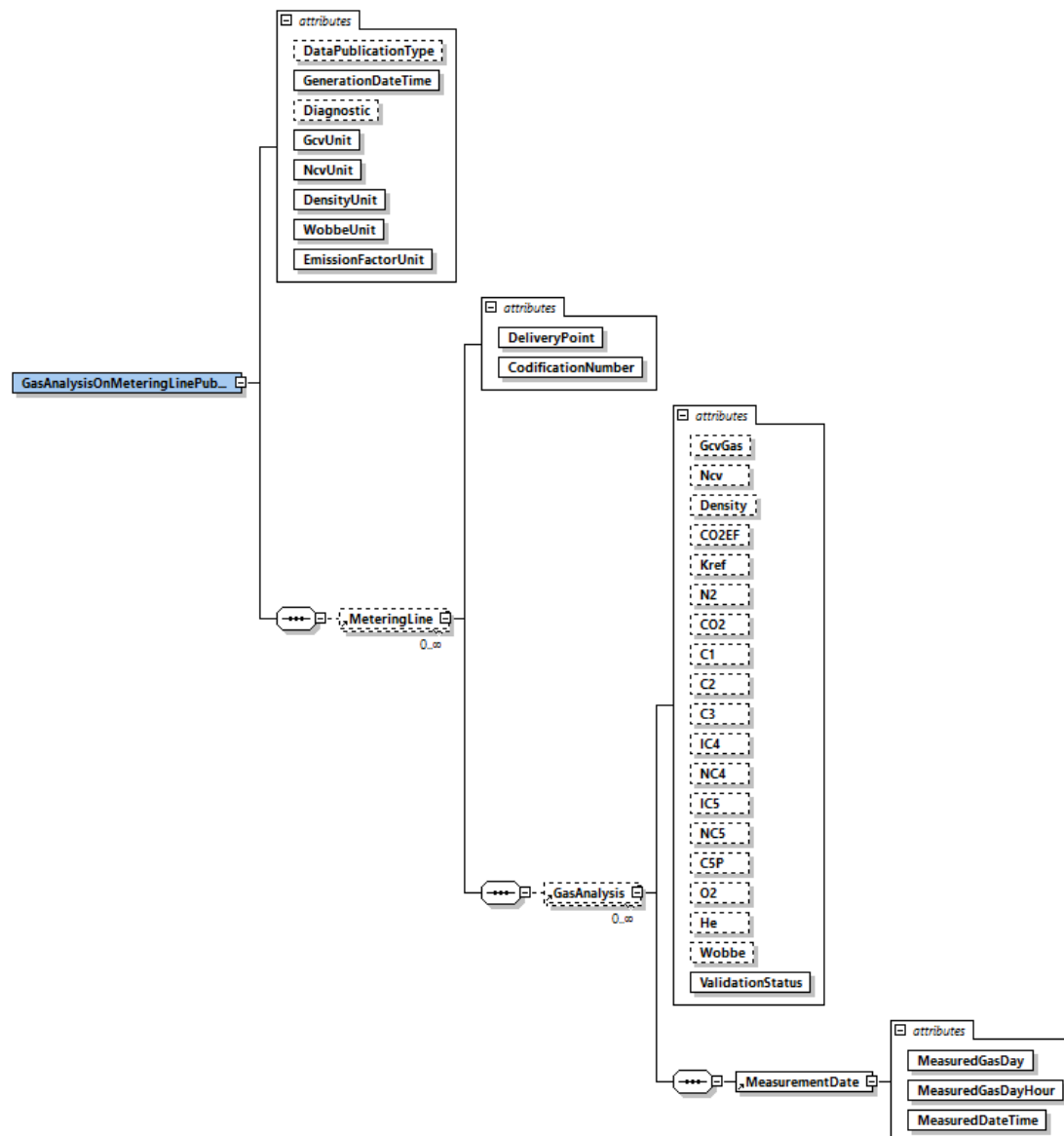
2.3.6.2.3 Format types available

The format types are filled in the header of the http request

- CSV : "text/csv"
- XML : "text/xml"

2.3.6.3 XML format

2.3.6.3.1 XSD



2.3.6.3.2 XML snippet

The full XML *sample*, containing data for HourlyGasAnalysisOnMeteringLine for 2 gasdays and 2 metering lines, can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<GasAnalysisOnMeteringLinePublication
  DataPublicationType="GasAnalysisOnMeteringLine"
  GenerationDateTime="2012-04-25T11:44:03" Diagnostic="NoError"
  GcvUnit="kWh/m³" NcvUnit="kWh/m³" DensityUnit="kg/m³" WobbeUnit="kWh/m³"
  EmissionFactorUnit="t/TJ"
  xmlns="http://extranet.fluxys.net/namespace/dps/GasAnalysisOnMeteringLine">
  <MeteringLine DeliveryPoint="8900" CodificationNumber="8900/A/0">
    <GasAnalysis GcvGas="11.42407" Ncv="10.31719" Density="0.79537" CO2EF="56.64696"
      Kref="0.88879" N2="1.20419" CO2="1.64015" C1="90.88403" C2="5.07969"
      C3="0.72333" IC4="0.22697" NC4="0.09849" IC5="0.04102" NC5="0.02087"
      C5P="0.06536" O2="0.00000" He="0.01590" Wobbe="14.56537"
      ValidationStatus="Raw">
      <MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="1"
        MeasuredDateTime="2012-04-01T04:00:00" />
    </GasAnalysis>
  </MeteringLine>
</GasAnalysisOnMeteringLinePublication>
```

```

<GasAnalysis GcvGas="11.42303" Ncv="10.31620" Density="0.79518" CO2EF="56.64417"
Kref="0.88884" N2="1.20365" CO2="1.63470" C1="90.88828" C2="5.09365"
C3="0.71704" IC4="0.22559" NC4="0.09643" IC5="0.04046" NC5="0.02022"
C5P="0.06408" O2="0.00000" He="0.01590" Wobbe="14.56586"
ValidationStatus="Raw">
<MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="2"
MeasuredDateTime="2012-04-01T05:00:00" />
</GasAnalysis>
...
</MeteringLine>
...
</GasAnalysisOnMeteringLinePublication>

```

2.3.6.4 CSV format

The full CSV *sample*, containing data for HourlyGasAnalysisOnMeteringLine for 2 gasdays and 2 metering lines, can be found in the CSV folder on the Fluxys website.

The following *snippet* gives an impression of how the CSV file looks like:

```

LineDeliveryPoint,LineCodificationNumber,GasAnalysisGcvGas,GcvUnit,GasAnalysisNcv,NcvUnit,GasAnalysisDensi
ty,DensityUnit,GasAnalysisWobbe,WobbeUnit,GasAnalysisCO2EF,GasAnalysisCO2EFUnit,GasAnalysisKref,GasAn
alysisElementsUnit,GasAnalysisN2,GasAnalysisCO2,GasAnalysisC1,GasAnalysisC2,GasAnalysisC3,GasAnalysisIC
4,GasAnalysisNC4,GasAnalysisIC5,GasAnalysisNC5,GasAnalysisC5P,GasAnalysisO2,GasAnalysisHe,GasAnalysis
ValidationStatus,GasAnalysisMeasurementDateGasDay,GasAnalysisMeasurementDateGasDayHour,GasAnalysisMe
asurementDateMeasuredDateTime
87069,87066-
N01/A/1,"11,5110646849360555555555555555556",kWh/m³,"10,39897815099622222222222222223",kWh/m³,"0,80751863
6634102",kg/m³,"14,565504071074888888888888888890",kWh/m³,"57,0233486347825",t/TJ,"0,88509350631496",mol
%,0,931604900",2,08221500",90,31717300",4,75244500",1,3168100",0,219009900",0,199804300",0,0583211
500",0,0395004300",0,0641143900",0,0,0190019300",Validated,2020-01-01,1,2020-01-01 05:00:00
87069,87066-
N01/A/1,"11,51176474281525000000000000001",kWh/m³,"10,39964387213491666666666666667",kWh/m³,"0,80762378
5935386",kg/m³,"14,56544161504961111111111111112",kWh/m³,"57,0251958071979",t/TJ,"0,885063921957778",mol
%,0,934021400",2,08312300",90,3033271500",4,75999500",1,32000300",0,219038200",0,199961100",0,0581
508200",0,0393311800",0,0640472200",0,0,0190019300",Validated,2020-01-01,2,2020-01-01 06:00:00
87069,87066-
N01/A/1,"11,51321562869911111111111111112",kWh/m³,"10,40099531734202777777777777779",kWh/m³,"0,80770587
7651067",kg/m³,"14,56653707506405555555555555557",kWh/m³,"57,0258513696782",t/TJ,"0,885025802838407",mol
%,0,934586200",2,08145900",90,2882053800",4,77672500",1,31959800",0,21881600",0,199950300",0,05817
02600",0,0393664200",0,0641215100",0,0,0190019300",Validated,2020-01-01,3,2020-01-01 07:00:00
...

```

2.3.6.5 Example URL

The following URL can be used to download a publication with the hourly gas analysis on all the metering lines for which the customer has view rights during April 2016. The returned file is in XML format.

- HourlyGasAnalysisOnNode

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/gasanalysis/meteringline/new/hourly/get?periodfrom=2016-04-01&periodto=2016-04-30>

for a specific metering line on one year :

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/gasanalysis/meteringline/new/hourly/get?periodfrom=2016-04-01&periodto=2016-03-31&identificationfilter=87066-N01/A/1>

- DailyGasAnalysisOnNode

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/gasanalysis/meteringline/new/daily/get?periodfrom=2016-04-01&periodto=2016-04-30>

for a specific metering line on one year :

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/gasanalysis/meteringline/new/daily/get?periodfrom=2016-04-01&periodto=2016-03-31&identificationfilter=87066-N01/A/1>

2.3.7 NodeTopology

2.3.7.1 Description

This data publication contains information about all the nodes (and underlying metering lines) on which the customer has view rights.

This publication is returned for the following DataPublicationType:

- *NodeTopology*
All the nodes on which the customer has or had view rights are returned with their metering lines.

Relative URL : </WebTrack/nodetopology/get>

2.3.7.2 Parameters

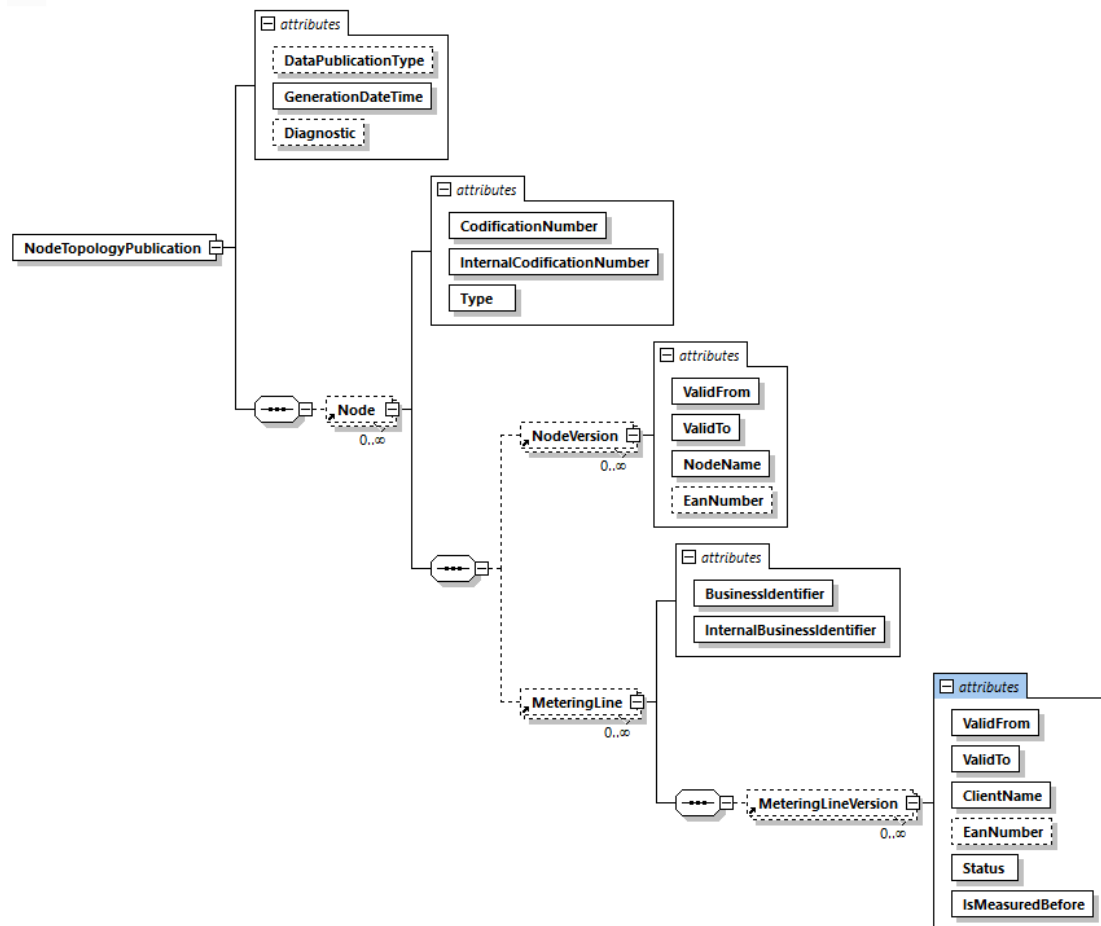
2.3.7.2.1 Format types available

The format types are filled in the header of the http request

- CSV : *"text/csv"*
- XML : *"text/xml"*

2.3.7.3 XML format

2.3.7.3.1 XSD



The connection status of the topology element (node or metering line)

InOperation	The topology element is connected to the grid and operationally functional.
Closed	The topology element is connected to the grid but not operationally functional.
Disconnected	The topology element is disconnected from the grid.

2.3.7.3.2 XML snippet

The full XML sample, containing data for 3 nodes, can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<NodeTopologyPublication
  DataPublicationType="NodeTopology" GenerationDateTime="2012-04-25T14:25:26"
  Diagnostic="NoError" xmlns="http://extranet.fluxys.net/namespace/dps/NodeTopology">
  <Node CodificationNumber="8900" InternalCodificationNumber="21043-N01" Type="BorderNode">
    <NodeVersion ValidFrom="1992-12-01" ValidTo="2005-12-31"
      NodeName="BLAREGNIES TROLL: GESTION" EanNumber="" />
    <NodeVersion ValidFrom="2006-01-01" ValidTo="9999-12-31"
      NodeName="BLAREGNIES TROLL" EanNumber="" />
    <MeteringLine BusinessIdentifier="8900/1" InternalBusinessIdentifier="21043-N01/A/1">
      <MeteringLineVersion ValidFrom="1992-12-01" ValidTo="2005-12-31"
        ClientName="" EanNumber="" Status="InOperation" IsMeasuredBefore=false />
      <MeteringLineVersion ValidFrom="2006-01-01" ValidTo="9999-12-31"
        ClientName="" EanNumber="" Status="InOperation" IsMeasuredBefore=false />
    </MeteringLine>
  </Node>
  <Node CodificationNumber="8900" InternalCodificationNumber="21043-N01" Type="BorderNode">
    <NodeVersion ValidFrom="1992-12-01" ValidTo="2005-12-31"
      NodeName="BLAREGNIES TROLL: GESTION" EanNumber="" />
    <NodeVersion ValidFrom="2006-01-01" ValidTo="9999-12-31"
      NodeName="BLAREGNIES TROLL" EanNumber="" />
    <MeteringLine BusinessIdentifier="8900/1" InternalBusinessIdentifier="21043-N01/A/1">
      <MeteringLineVersion ValidFrom="1992-12-01" ValidTo="2005-12-31"
        ClientName="" EanNumber="" Status="InOperation" IsMeasuredBefore=false />
      <MeteringLineVersion ValidFrom="2006-01-01" ValidTo="9999-12-31"
        ClientName="" EanNumber="" Status="InOperation" IsMeasuredBefore=false />
    </MeteringLine>
  </Node>
  <Node CodificationNumber="8900" InternalCodificationNumber="21043-N01" Type="BorderNode">
    <NodeVersion ValidFrom="1992-12-01" ValidTo="2005-12-31"
      NodeName="BLAREGNIES TROLL: GESTION" EanNumber="" />
    <NodeVersion ValidFrom="2006-01-01" ValidTo="9999-12-31"
      NodeName="BLAREGNIES TROLL" EanNumber="" />
    <MeteringLine BusinessIdentifier="8900/1" InternalBusinessIdentifier="21043-N01/A/1">
      <MeteringLineVersion ValidFrom="1992-12-01" ValidTo="2005-12-31"
        ClientName="" EanNumber="" Status="InOperation" IsMeasuredBefore=false />
      <MeteringLineVersion ValidFrom="2006-01-01" ValidTo="9999-12-31"
        ClientName="" EanNumber="" Status="InOperation" IsMeasuredBefore=false />
    </MeteringLine>
  </Node>
</NodeTopologyPublication>
```

```
</Node>
...
</NodeTopologyPublication>
```

2.3.7.4 CSV format

The full CSV sample, containing data for 3 nodes, can be found in the CSV folder on the Fluxys website.

The following *snippet* gives an impression of how the CSV file looks like:

```
NodeCodificationNumber,NodeInternalCodificationNumber,NodeType,NodeVersionName,NodeVersionEanNumber,
NodeVersionValidFrom,NodeVersionValidTo,LineBusinessIdentifier,LineInternalBusinessIdentifier,LineVersionValidF
rom,LineVersionValidTo,LineVersionClientName,LineVersionEanNumber,LineVersionStatus,LineVersionIsMeasured
Before
8900,07100-N01,BorderNode,BLAREGNIES TROLL: GESTION,,1992-12-01,2005-12-31,8900/1,21043-
N01/A/1,1992-12-01,
2005-12-31,,,InOperation,No
8900,07100-N01,BorderNode,BLAREGNIES TROLL: GESTION,,1992-12-01,2005-12-31,8900/2,21043-
N01/A/2,2006-01-01,
9999-12-31,,,InOperation,No
8900,07100-N01,BorderNode,BLAREGNIES TROLL,,2006-01-01,9999-12-31,8900/3,21043-N01/A/3,1992-12-
01,2005-12-31,,,InOperation,No
8900,07100-N01,BorderNode,BLAREGNIES TROLL,,2006-01-01,9999-12-31,8900/4,21043-N01/A/4,2006-01-
01,9999-12-31,,,InOperation,No
```

2.3.7.5 Example URL

The following URL can be used to download the topology of all the nodes on which the user has view rights.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/nodetopology/get>

2.3.8 GasExchangeLocationTopology

2.3.8.1 Description

This data publication contains information about all the gas exchange locations on which the customer has view rights. For each gas exchange location the node memberships with their relative weights are listed.

This publication is returned for the following DataPublicationType:

- *GasExchangeLocationTopology*
All the gas exchange locations on which the customer has or had view rights are returned with their memberships. Only nodes can be members of a gas exchange location.

Relative URL: /WebTrack/gettopology/get

2.3.8.2 Parameters

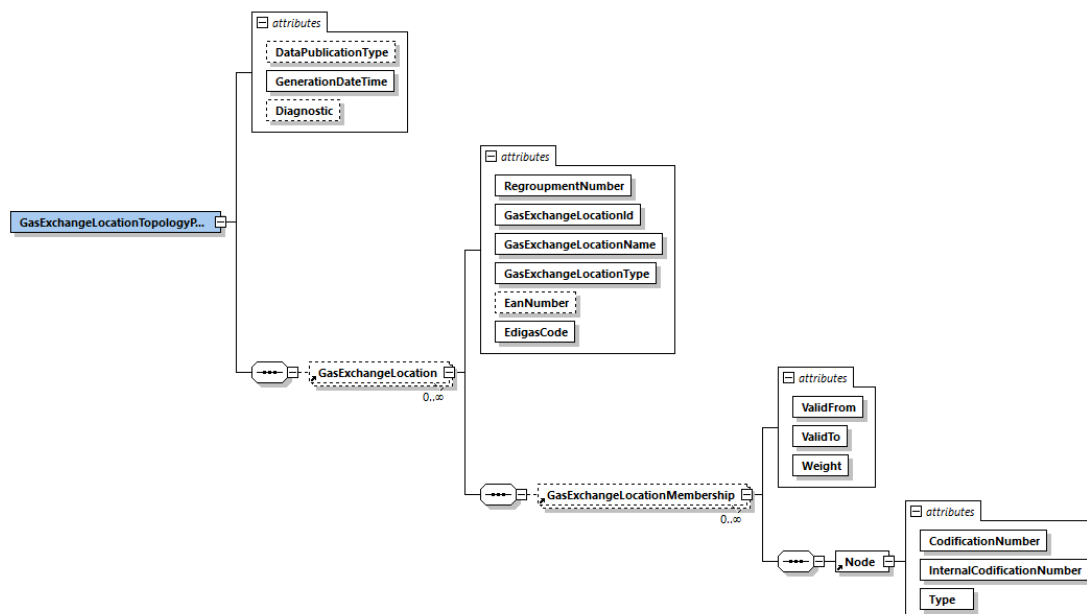
2.3.8.2.1 Format types available

The format types are filled in the header of the http request

- CSV : "text/csv"
- XML : "text/xml"

2.3.8.3 XML format

2.3.8.3.1 XSD



The connection status of the topology element (node or metering line)

InOperation	The topology element is connected to the grid and operationally functional.
Closed	The topology element is connected to the grid but not operationally functional.
Disconnected	The topology element is disconnected from the grid.

2.3.8.3.2 XML snippet

The full XML *sample* can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<GasExchangeLocationTopologyPublication
  DataPublicationType="GasExchangeLocationTopology"
  GenerationDateTime="2012-04-25T14:36:31" Diagnostic="NoError"
  xmlns="http://extranet.fluxys.net/namespace/dps/GasExchangeLocationTopology">
  <GasExchangeLocation RegroupmentNumber="4866"
    GasExchangeLocationId="3300" GasExchangeLocationName="Blaregnies Troll"
    GasExchangeLocationType="BorderPoint" EanNumber="" EdigasCode="QUE">
    <GasExchangeLocationMembership ValidFrom="2001-01-01T05:00:00"
      ValidTo="9999-12-31T04:59:59" Weight="1.00000">
      <Node CodificationNumber="8900" InternalCodificationNumber="21043-N01" Type="BorderNode" />
    </GasExchangeLocationMembership>
  </GasExchangeLocation>
  <GasExchangeLocation RegroupmentNumber="4861" GasExchangeLocationId="3400"
    GasExchangeLocationName="ZPT" GasExchangeLocationType="BorderPoint"
    EanNumber="" EdigasCode="ZPT">
    <GasExchangeLocationMembership ValidFrom="2005-10-01T04:00:00"
      ValidTo="9999-12-31T04:59:59" Weight="1.00000">
      <Node CodificationNumber="291" InternalCodificationNumber="21043-N01" Type="BorderNode" />
    </GasExchangeLocationMembership>
  </GasExchangeLocation>
  ...
</GasExchangeLocationTopologyPublication>
```

2.3.8.4 CSV format

The full CSV *sample* can be found in the CSV folder on the Fluxys website.

The following *snippet* gives an impression of how the CSV file looks like:

```
GasExchangeLocationRegroupmentNumber,GasExchangeLocationId,GasExchangeLocationName,GasExchangeLo
cationType,GasExchangeLocationEanNumber,GasExchangeLocationEdigasCode,GasExchangeLocationMembershi
pValidFrom,GasExchangeLocationMembershipValidTo,GasExchangeLocationMembershipWeight,NodeCodificationN
umber,NodeInternalCodificationNumber,NodeType
4866,3300,Blaregnies Troll,BorderPoint,,QUE,2001-01-01 05:00:00,9999-12-31 05:00:00,1,8900,07100-
N01,BorderNode
4861,3400,ZPT,BorderPoint,,ZPT,2005-10-01 04:00:00,9999-12-31 05:00:00,1,291,07100-N01,BorderNode
4851,3405,Zelzate 2,BorderPoint,,ZELZA2,2001-01-01 05:00:00,2021-01-01 04:59:59,1,07340,07340-
N02,BorderNode
4861,3400,ZPT,BorderPoint,,ZPT,2005-10-01 04:00:00,9999-12-31 04:59:59,1,291,08110-N01,BorderNode
4863,2996,Eynatten 2,BorderPoint,,EYNAT2,2001-01-01 05:00:00,9999-12-31 04:59:59,1,7990,07990-
N02,BorderNode
7370,14000,Virtualys,BorderPoint,,VIRTUALYS,2017-12-01 05:00:00,9999-12-31 04:59:59,1,8900,01880-
N03,BorderNode ...
```

2.3.8.5 Example URL

The following URL can be used to download the topology of all the Gas Exchange Locations on which the user has view rights.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/geltopology/get>

2.3.9 Real Time Measurement On Interconnection Point

2.3.9.1 Description

The report with Real Time Measurements On Interconnection Points offers an overview of the last available measurement data on interconnection points for which the customer has a valid real time measurement contract.

In the database the available data will be refreshed with the latest available data every six minutes. The report always reflects the last available situation in the database. This means that the report at all times contains data that is between 0 and 6 minutes old.

Relative URL: </WebTrack/rtmonip/get>

2.3.9.2 Parameters

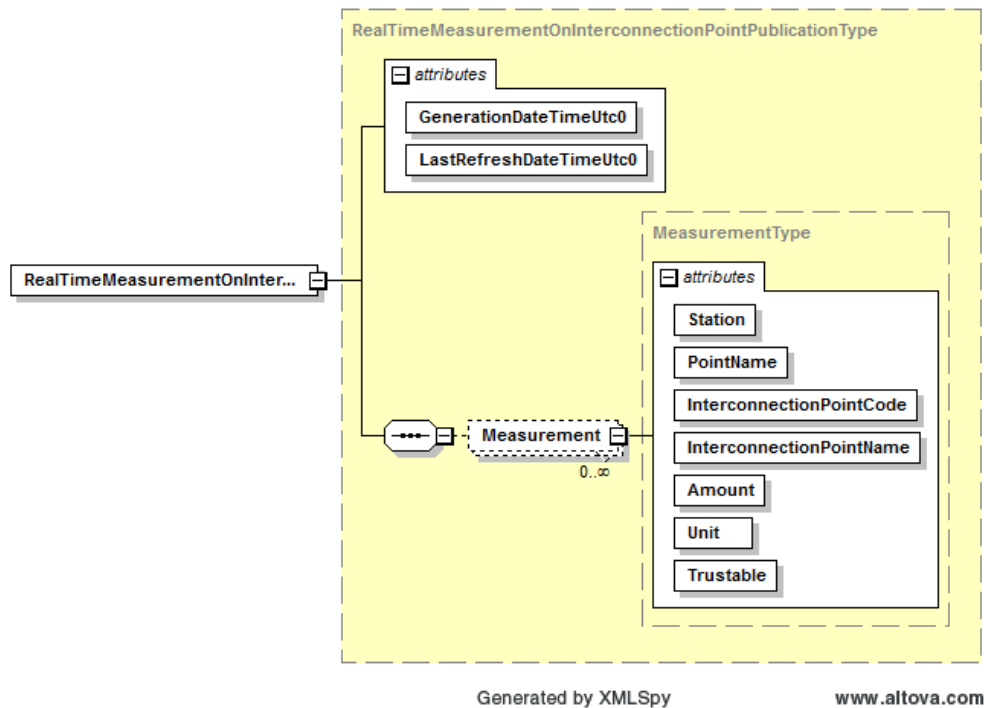
2.3.9.2.1 Format types available

The format types are filled in the header of the http request

- CSV : "text/csv"
- XML : "text/xml"

2.3.9.3 XML format

2.3.9.3.1 XSD



2.3.9.3.2 XML snippet

The full XML *sample* can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<RealTimeMeasurementOnInterconnectionPointPublication
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  GenerationDateTimeUtc0="2012-04-25T10:31:58.2463801Z"
  LastRefreshDateTimeUtc0="2012-02-02T02:18:43Z"
  xmlns="http://www.fluxys.com/edp/1.0">
  <Measurement Station="IZTF" PointName="Volume (n)"
    InterconnectionPointCode="IZT" InterconnectionPointName="IZT"
    Amount="547.501" Unit="KNM3/H" Trustable="true" />
  <Measurement Station="IZTF" PointName="GCV"
    InterconnectionPointCode="IZT" InterconnectionPointName="IZT"
    Amount="11.399" Unit="KWH/NM3" Trustable="true" />
  <Measurement Station="IZTF" PointName="NCV"
    InterconnectionPointCode="IZT" InterconnectionPointName="IZT"
    Amount="10.293" Unit="KWH/NM3" Trustable="true" />
  ...
</RealTimeMeasurementOnInterconnectionPointPublication>
```

2.3.9.4 CSV format

The full CSV *sample* can be found in the CSV folder on the Fluxys website.

The following *snippet* gives an impression of how the CSV file looks like:

```
LastRefreshDateTimeUtc0,MeasurementStation,MeasurementPointName,InterconnectionPointCode,Interconnection
PointName,Amount,Unit,Trustable
2012-02-02T02:18:43Z,IZTF,Volume (n),IZT,IZT,"547,501",KNM3/H,Yes
2012-02-02T02:18:43Z,IZTF,GCV,IZT,IZT,"11,399",KWH/NM3,Yes
2012-02-02T02:18:43Z,IZTF,NCV,IZT,IZT,"10,293",KWH/NM3,Yes
...
```

2.3.9.5 Example URL

The following URL can be used to download the real time measurements for all interconnections points on which the customer has a real time measurement contract.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/rtmonip/get>

2.3.10 Provisional Hourly Allocation

2.3.10.1 Description

The Provisional Hourly Allocation publication provides Grid Users with information on the gas allocated to them for several gasdays. Such calculations are based on the allocation contracts or allocation rules applicable at the specific interconnection points or domestic points. The provisional hourly allocations are either based on data available at the time of the calculation or, if no data is not available, replacement values.

For each gashour H, this publication is published during hour H+1. All values are rounded to 1kWh.

Relative URL: </WebTrack/provisionalhourlyallocation/get>

2.3.10.2 Parameters

2.3.10.2.1 periodfrom – periodto

This is the period for which data is retrieved.

Dates are expressed in the YYYY-MM-DD format.

The chosen period can span the go-live date, resulting in a report which contains both routes and connection points.

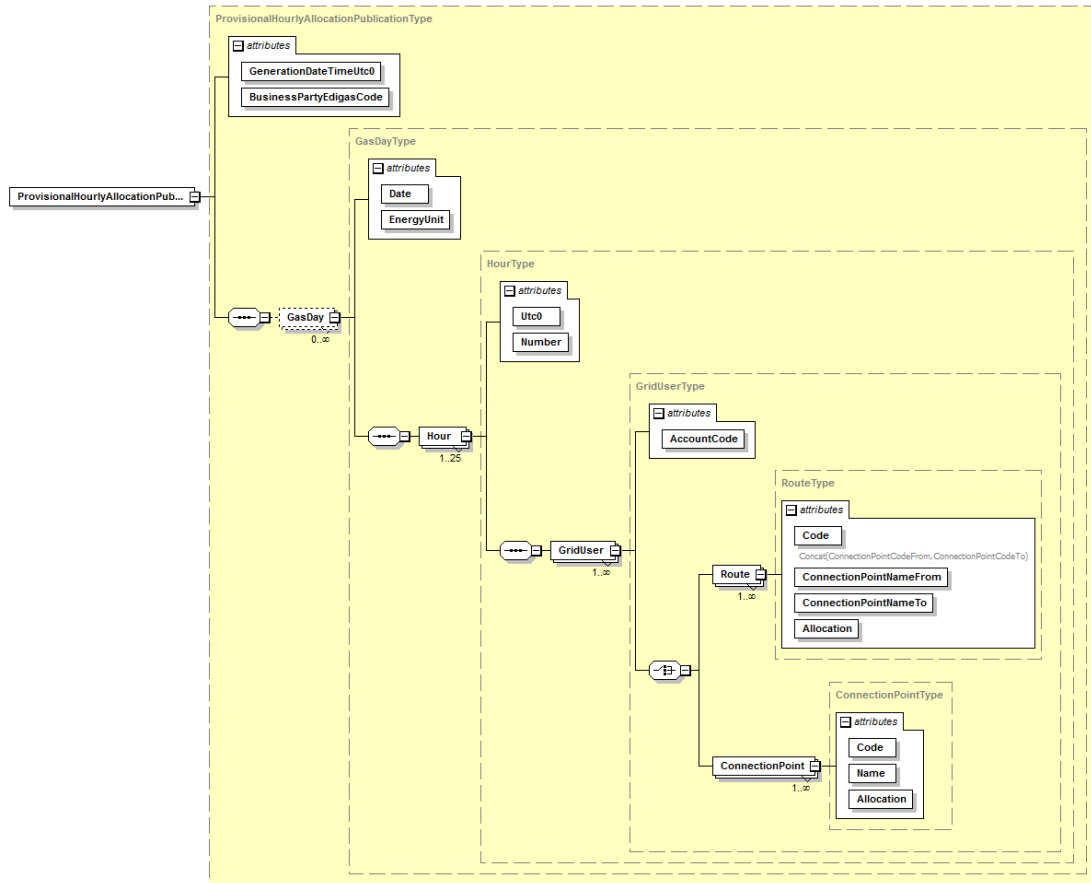
2.3.10.2.2 Format types available

The format types are filled in the header of the http request

- CSV : *"text/csv"*
- XML : *"text/xml"*

2.3.10.3 XML format

2.3.10.3.1 XSD



2.3.10.3.2 XML snippets

The full XML sample, containing data for 1 gasday and 2 connection points on a date after the go-live date, can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<ProvisionalHourlyAllocationPublication
  GenerationDateTimeUtc0="2012-04-24T14:06:48.0240388Z"
  BusinessPartyEdigasCode="ABC"
  xmlns="http://www.fluxys.com/edp/1.0">
  <GasDay Date="2015-01-01" EnergyUnit="kWh">
    <Hour Utc0="2015-01-01T05:00:00" Number="1">
      <GridUser AccountCode="">
        <ConnectionPoint Code="ZELZA1" Name="Zelzate 1" Allocation="70"/>
        <ConnectionPoint
          Code="005909"
          Name="INEOS NV + CHP ESSENT ENERGIE BELGIE"
          Allocation="-300"/>
      </GridUser>
    </Hour>
    <Hour Utc0="2015-01-01T06:00:00" Number="2">
      <GridUser AccountCode="">
        <ConnectionPoint Code="ZELZA1" Name="Zelzate 1" Allocation="56"/>
        <ConnectionPoint
          Code="005909"
          Name="INEOS NV + CHP ESSENT ENERGIE BELGIE"
          Allocation="49"/>
      </GridUser>
    </Hour>
    ...
  </GasDay>
  ...
</ProvisionalHourlyAllocationPublication>
```

2.3.10.4 CSV format

The full CSV sample files, containing data for 1 gasday and 2 connection points on a date after the go-live date, can be found in the CSV folder on the Fluxys website.

The following snippet gives an impression of how the CSV file supporting the new model looks like:

```
GasDayDate,GasDayUnit,GasDayHourUtc0,GasDayHourNumber,GasDayHourGridUserAccountCode,GasDayHour
GridUserRouteCode,GasDayHourGridUserRouteConnectionPointNameFrom,GasDayHourGridUserRouteConnection
PointNameTo,GasDayHourGridUserRouteAllocation,GasDayHourGridUserConnectionPointCode,GasDayHourGridU
serConnectionPointName,GasDayHourGridUserConnectionPointAllocation
2015-01-01,2015-01-01T05:00:00Z,1,ABC,,,,,ZELZA1,Zelzate 1,70
2015-01-01,2015-01-01T05:00:00Z,1,ABC,,,,,005909,INEOS NV + CHP ESSENT ENERGIE BELGIE,-300
2015-01-01,2015-01-01T06:00:00Z,2,ABC,,,,,ZELZA1,Zelzate 1,56
2015-01-01,2015-01-01T06:00:00Z,2,ABC,,,,,005909,INEOS NV + CHP ESSENT ENERGIE BELGIE,49
...
```

2.3.10.5 Example URL

The following URL can be used to download the provisional hourly allocations for the first seven days of October 2016. The returned file is in XML format.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/provisionalhourlyallocation/get?periodfrom=2016-10-01&periodto=2016-10-07>

2.3.11 Allocation Details

Note that allocation details only exist in CSV format.

2.3.11.1 Description

The download URL could be used by a client application for automatically downloading a collection of allocation details linked to a given document date or related to a particular Monthly Details Version Number (formerly: SAPEXportVersionNumber).

It is also possible to download a single allocation detail automatically.

Remark: allocation details were formerly known as invoice annexes. You will still find references to the old name in some occasions like report codes.

Relative URL :

- For preliminary allocation details : </WebTrack/pinvanx/get>
- For validated allocation details : </WebTrack/invanx/get>

2.3.11.2 Parameters

2.3.11.2.1 invoicedate

The “invoicedate” is the parameter name for *Allocation Details Invoicing Date* (Document Date)

The format for this parameter is YYYY-MM-DD.

E.g. i = 2016-11-15 (invoicing date is 15/11/2016)

The parameter is only allowed for requesting validated allocation details in zip file.

2.3.11.2.2 sapversion

The “sapversion” is the parameter name for *Monthly Details Version Number* (SAP Export Version Number)

The format for the version number is YYYYMMVVVV with

- YYYYMM: supply year and month
- VVVV version number

E.g. v = 2016090003

Note: version number VVVV is always 0000 for Preliminary Allocation Details!

The parameter is not allowed for requesting validated allocation details in zip file.

2.3.11.2.3 annextype

The “annextype” is the parameter name for *Annex Type Code* (Allocation Details Report Type Code)

The parameter is mandatory if an individual report is requested. It should not be used if the allocation details in general are required.

The following table shows the different codes and whether or not a date (see 2.3.11.2.4) is necessary.

Code	Report title	Date required?
DP001	Grid User's Definitive Hourly Allocation Form	Y
DP002	Grid User's Definitive Daily Allocation Form	N
DP003	Grid User's Definitive Monthly Allocation Form	N
DP004	Grid User's Definitive BAP Hourly Allocation Form	N
DP008	Grid User's ARS Capacity Calculation	N
DP019	Temperatures Daily Form	N

2.3.11.2.4 annexdate

The “annexdate” is the parameter name for *Date of the Allocation Details to download*.

The format is YYYY-MM-DD

This parameter is only allowed for the individual download of the daily report DP001.

2.3.11.2.5 Format types available

The format types are filled in the header of the http request

- CSV : “text/csv”
- CSVZIP : “application/octet-stream”

CSV: only to download individual report like DP001, 2, ... 19

CSVzip: in all other cases

This parameter is always mandatory.

2.3.11.3 CSV format

The full CSV *samples* can be found in the CSV folder on the Fluxys website.

Take into account that starting from September 2019, a new version of the allocation details will be published. All allocation details versions generated after this date (also for gas months before), will be in the new format. The already generated allocation details versions will remain in the old format.

Each of the following paragraphs contains a *snippet* that gives an impression of how the CSV file looks like.

Version from April 2020 – September 2021

```

GRID_USER;GRID_USER_CODE;OPERATIONAL_REGIME;ZONE;POINT;POINT_EDIGAS_CODE;POINT_TYPE;
GAS_DAY;EENd;EEN'd;XENd;XEN'd;EM'd;EEAd;EEAd,pr;EEA'd;EEA'd,pr;XEA'd;XEA'd;GCV'd;EMTSRd,e;EMTSRd
,x;EMTSRd,e;EMTSRd,x;EEEd;EXEd;CUd,e;CUd,x
;;;;;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh/m3(n);kWh/h;kWh/h;kWh/h;kWh/h;kWh/h;kWh/h;;
ShipperCompany;XXXX;Unbalanced;BHZONE;ABZXY (GOS);866530;Distribution Domestic
Point;01/01/2020;0;0;0;-134.189;0;0;0;-128;-128;11,2946362350679;;;;;0;0;0;99999999

```

Version until March 2020

```

GRID_USER;GRID_USER_CODE;OPERATIONAL_REGIME;ZONE;POINT;POINT_EDIGAS_CODE;POINT_TYPE;
GAS_DAY;EEN'd;XENd;XEN'd;VM'd;EM'd;EEAd;EEA'd;XEA'd;XEA'd;GCV'd;EMTSRd,e;EMTSRd,x;VMT
SRd,x;EMTSRd,e;VIMTSRd,e;EMTSRd,x;VIMTSRd,x;EEEd;EXEd;IXSd;LXSd;CUd,e;CUd,x;RHd;RHh,n;
;;;;;kWh;kWh;kWh;m3(n);kWh;kWh;kWh;kWh;kWh;kWh/m3(n);kWh/h;m3(n)/h;kWh/h;m3(n)/h;kWh/h;m3(n)/h;kWh/h;
m3(n)/h;kWh/h;kWh/h;kWh;kWh;;h;h;
ShipperCompany;XXXX;Unbalanced;BHZONE;Point1;004871;End User Domestic Point;1/03/2015;0;-525.600;-
525.600;-31.846;-357.834;0;0;-357.834;-357.834;11,23640376;0;0;226.000;0;;;;;0;0;0;0;0,0804;1,58;126,64;
ShipperCompany;XXXX;Unbalanced;BHZONE;Point2;004703;End User Domestic Point;5/03/2015;0;-1.976.000;-
1.976.000;-154.045;-1.743.205;0;0;-1.742.181;-1.743.205;11,31622324;0;0;161.590;0;;;;;0;0;0;0,7491;;
ShipperCompany;XXXX;Unbalanced;BHZONE;Point1;004871;End User Domestic Point;3/03/2015;0;-513.600;-
513.600;-68.720;-764.883;0;0;-766.762;-764.883;11,13046081;0;0;226.000;0;;;;;0;0;0;0;0,1719;3,38;131,01;

```

2.3.11.3.3 Grid User's Definitive Monthly Allocation Form (DP003)Version from October 2021

```

GRID_USER;GRID_USER_CODE;SHIPPER_CODE;OPERATIONAL_REGIME;ZONE;POINT;POINT_EDIGAS_CO
DE;POINT_TYPE;GAS_MONTH;EENm;EEN'm;XENm;XEN'm;EM'm;EEAm;EEAm,pr;EEA'm;EEA'm,pr;XEA'm;XEA'm
;GCV'm;EEEm,p;EEEm,np;EXEm,p;EXEm,np
;;;;;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh/m3(n);kWh/h;kWh/h;kWh/h;kWh/h
xxx;xxx;xxx;Unbalanced;BHZONE;xxx;875430;End User Domestic Point;Aug-20;0;0;0;-317;0;0;0;-249,013;-
249,013;11,63;;

```

"Zone" can have the following values

- BHZONE
- BLZONE

"Point type" can have the following values

- Interconnection Point
- Distribution Domestic Point
- End User Domestic Point

Version from April 2020 – September 2021

```

GRID_USER;GRID_USER_CODE;OPERATIONAL_REGIME;ZONE;POINT;POINT_EDIGAS_CODE;POINT_TYPE;
GAS_MONTH;EENm;EEN'm;XENm;XEN'm;EM'm;EEAm;EEAm,pr;EEA'm;EEA'm,pr;XEA'm;XEA'm;GCV'm;EEEm,p;
EEEm,np;EXEm,p;EXEm,np
;;;;;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh/m3(n);kWh/h;kWh/h;kWh/h;kWh/h
ShipperCompany;XXXX;Unbalanced;BHZONE;ABZXY (GOS);866530;Distribution Domestic Point;Jan-20;;;;;-
3.648.377;0;0;0;-3.320;-3.462;11,4953438511657;;

```

Version until March 2020

```

GRID_USER;GRID_USER_CODE;OPERATIONAL_REGIME;ZONE;POINT;POINT_EDIGAS_CODE;POINT_TYPE;
GAS_MONTH;EEN'm;XENm;XEN'm;VM'm;EM'm;EEAm;EEA'm;XEA'm;XEA'm;GCV'm;EEEm,p;EEEm,np;EXEm,p;E
XEm,np;IXSm;LXSm;RHm;RHh,n;
;;;;;kWh;kWh;kWh;m3(n);kWh;kWh;kWh;kWh;kWh/m3(n);kWh/h;kWh/h;kWh/h;kWh/h;kWh;kWh;h;h;;
ShipperCompany;XXXX;Unbalanced;BHZONE;Point1;004871;End User Domestic Point;Mar-15;0;-67.829.900;-
67.829.900;-5.476.246,90;-60.890.886;0;0;-60.948.577;-
60.890.886;11,11909077;;;;;586.883;586.883;269,68;394,74;;

```

```

GRID_USER;ZONE;DATE_TIME_FROM;DATE_TIME_TO;HOUR_NUMBER;SUM(EEAh);SUM(XEAh);NCTTh;lh;G
BP*h;GEh;GSh;GBPh;SUM(EEA'h);SUM(XEA'h);NCTT'h;'h;GBP'h;GEd;GSd;OGSId;OGSDd;OGPId;OGPDd;MBP'h
MEh;MSh;MEd;MSd;MEId;MSId;ECGh : SUM(GBP*h);SCGh : SUM(GBP*h);MT+h;MT-h;NIZ+;NIZ-
;;;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;
kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh;kWh
ABC;BHZONE;1/01/2012 06:00;1/01/2012 07:00;1;1.700.000;-1.583.733;0;140.000;140.000;0;0;140.000;1.700.000;-
1.583.733;0;140.000;140.000;0;0;0;0;8.585.115;0;0;0;0;0;0;22.000.000;-22.000.000;2.500.000;-2.500.000
ABC;BHZONE;1/01/2012 07:00;1/01/2012 08:00;2;1.700.000;-1.702.790;0;-30.000;110.000;0;0;110.000;1.700.000;-
1.702.790;0;-30.000;110.000;0;0;0;0;6.572.878;0;0;0;0;0;0;22.000.000;-22.000.000;2.500.000;-2.500.000
ABC;BHZONE;1/01/2012 08:00;1/01/2012 09:00;3;1.700.000;-1.738.035;0;-80.000;30.000;0;0;30.000;1.700.000;-
1.738.035;0;-80.000;30.000;0;0;0;0;1.445.548;0;0;0;0;0;0;22.000.000;-22.000.000;2.500.000;-2.500.000

```

```
GAS_DAY;DAILY_EQUIVALENT_TEMP;
;°C;
01/12/2011;8,28;
02/12/2011;7,08;
03/12/2011;7,17;
```

Version until August 2021

ARS;Edigas Code;Segment;Subgrid;Monthly PMV or allocations per grid user per ARS per Customer
Segment (kWh);Distribution capacity per year for segment;Sum monthly PMV or allocations all grid
users per customer segment (kWh);Distribution Capacity per grid user per ARS per CS (kWh/h);
ARS1;005891;S30;7.030;5.407.295;6.495.234;5.853
ARS1;005891;S31;597.682;5.293.724;156.785.098;20.180
ARS1;005891;S32;1.118.961;10.362.561;288.847.094;40.143
ARS1;005891;S41;4.219.176;24.760.159;700.190.162;149.199
ARS2;005892;S30;17.678;5.407.295;6.495.234;14.717
ARS2;005892;S31;19.025;5.293.724;156.785.098;642
ARS2;005892;S32;109.936;10.362.561;288.847.094;3.944
ARS2;005892;S41;458.133;24.760.159;700.190.162;16.201
ARS3;005893;S30;47.879;5.407.295;6.495.234;39.859
ARS3;005893;S31;81.314;5.293.724;156.785.098;2.746
ARS3;005893;S32;162.998;10.362.561;288.847.094;5.848
ARS3;005893;S41;1.724.841;24.760.159;700.190.162;60.994

```
sep=;
ValidationDate;Month;Shipper
2021/09/31 12:00:00;202109;ShipperNameXxXx
```

ARS;EdigasCode;Subgrid;Direction;CustomerSegmentGroup;CustomerSegment;MonthlyPMVOrAllocationsPerARSPerGridUserPerCustomerSegment_kWh;MonthlyPMVOrAllocationsPerARSPerGridUserPerCustomerSegmentGroup_kWh;DistributionCapacityPerYearPerCustomerSegmentGroup_kWhPerh;SumMonthlyPMVOrAllocationsAllGridUsersPerCustomerSegmentGroup_kWh;DistributionCapacityExitPerARSPerGridUserPerCustomerSegmentGroup_kWhPerh;CapacityEntryPerARSPerGridUserPerCustomerSegmentGroup_kWhPerh

ARS1;001111;H;Entry;AMR;;;6856;;;6856

ARS1;001111;H;Entry;;AMR;6856;;;;

ARS2;007786;H;Exit;EAV;;;3782902;5550000;5605358824;3746;

2.3.11.4 Example URL

2.3.11.4.1.1 Zip file for validated allocation details in general

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/invanx/get?invoicedate=2016-04-27>

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/invanx/get?sapversion=2016030001&invoicedate=2016-04-27>

2.3.11.4.1.2 Specific validated allocation details report

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/invanx/get?sapversion=2016030001&annexdate=2016-03-01&annextype=DP001>

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/invanx/get?sapversion=2012030001&annextype=DP002>

2.3.11.4.1.3 Zip file for preliminary allocation details in general

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/pinvanx/get?sapversion=2016040000>

2.3.11.4.1.4 Specific preliminary allocation details report

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/pinvanx/get?sapversion=2016040000&annexdate=2016-04-01&annextype=DP001>

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/pinvanx/get?sapversion=2016040000&annextype=DP002>

2.3.12 Imbalance Smoothing Allocation

2.3.12.1 Description

The Imbalance Smoothing Allocation publication holds hourly Imbalance Smoothing Allocations for a specific gasday.

Grid Users receive data about the H-zone and/or the L-zone, depending on their activities.

This publication is published every day with the latest values for the upcoming 4 gasdays. All values are rounded to 1kWh.

Relative URL: /WebTrack/imbalancestoothingallocation/get

2.3.12.2 Parameters

2.3.12.2.1 periodfrom – periodto

This is the period for which data is retrieved.

Dates are expressed in the YYYY-MM-DD format.

2.3.12.2.2 Format types available

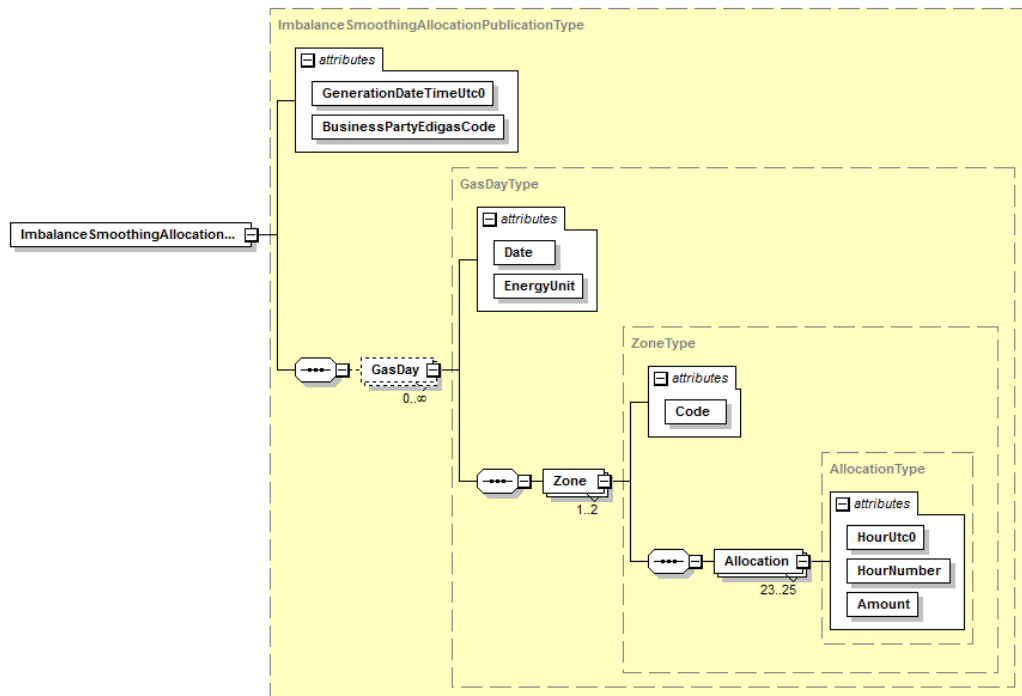
The format types are filled in the header of the http request

- CSV : "text/csv"
- XML : "text/xml"

2.3.12.3 XML

2.3.12.3.1 XSD

The following diagram shows the XML Schema for this publication.



2.3.12.3.2 XML snippet

The full XML *sample*, containing data for 1 gasday, can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```

<ImbalanceSmoothingAllocationPublication
  GenerationDateTimeUtc0="2012-04-24T15:41:40Z"
  BusinessPartyEdigasCode="ABC" xmlns="http://www.fluxys.com/edp/1.0">
  <GasDay Date="2015-01-07" EnergyUnit="kWh">
    <Zone Code="BHZONE">
      <Allocation HourUtc0="2015-01-07T05:00:00Z" HourNumber="1" Amount="61689"/>
      <Allocation HourUtc0="2015-01-07T06:00:00Z" HourNumber="2" Amount="150087"/>
      <Allocation HourUtc0="2015-01-07T07:00:00Z" HourNumber="3" Amount="185446"/>
    </Zone>
    <Zone Code="BLZONE">
      <Allocation HourUtc0="2015-01-07T05:00:00Z" HourNumber="1" Amount="46267"/>
      <Allocation HourUtc0="2015-01-07T06:00:00Z" HourNumber="2" Amount="112565"/>
      <Allocation HourUtc0="2015-01-07T07:00:00Z" HourNumber="3" Amount="139085"/>
    </Zone>
  </GasDay>
</ImbalanceSmoothingAllocationPublication>
  
```

2.3.12.4 CSV

The full CSV *sample*, containing data for 1 gasday, can be found in the CSV folder on the Fluxys website.

The following *snippet* gives an impression of how the CSV file looks like:

```
GasDayDate,GasDayUnit,GasDayZoneCode,GasDayZoneAllocationHourUtc0,GasDayZoneAllocationHourNumber,GasDayZoneAllocationAmount
2020-01-01,kWh,BHZONE,2020-01-01T05:00:00Z,1,44315
2020-01-01,kWh,BHZONE,2020-01-01T06:00:00Z,2,460392
2020-01-01,kWh,BHZONE,2020-01-01T07:00:00Z,3,627281
2020-01-01,kWh,BHZONE,2020-01-01T08:00:00Z,4,647325
...
```

2.3.12.5 Example URL

The following URL can be used to download the Imbalance Smoothing Allocations for the month May 2016. The returned file is in CSV format.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/imbalancestoothingallocation/get?periodfrom=2016-05-01&periodto=2016-05-31>

2.3.13 Wobbe index

2.3.13.1 Description

This report enables Grid Users to monitor the gas quality of the gas they import into the Belgian network. The gas quality of this imported gas should be in balance with the gas quality of the gas that is exported to the UK.

Values for gashours larger than the current gashour are not available, meaning that future gashours and gasdays will be suppressed.

The value for the Wobbe at a certain point and certain gashour can change over time. At any time the best available value is published.

All Wobbe values are defined on interconnection points with underlying nodes, except for 2 values on the H-zone and on the L-zone which are defined as the weighted average of the Wobbe values.

The values contain 2 decimal digits.

Relative URL: /WebTrack/wobbeindex/get

2.3.13.2 Parameters

2.3.13.2.1 periodfrom – periodto

This is the period for which data is retrieved.
Dates are expressed in the YYYY-MM-DD format.

2.3.13.2.2 Format types available

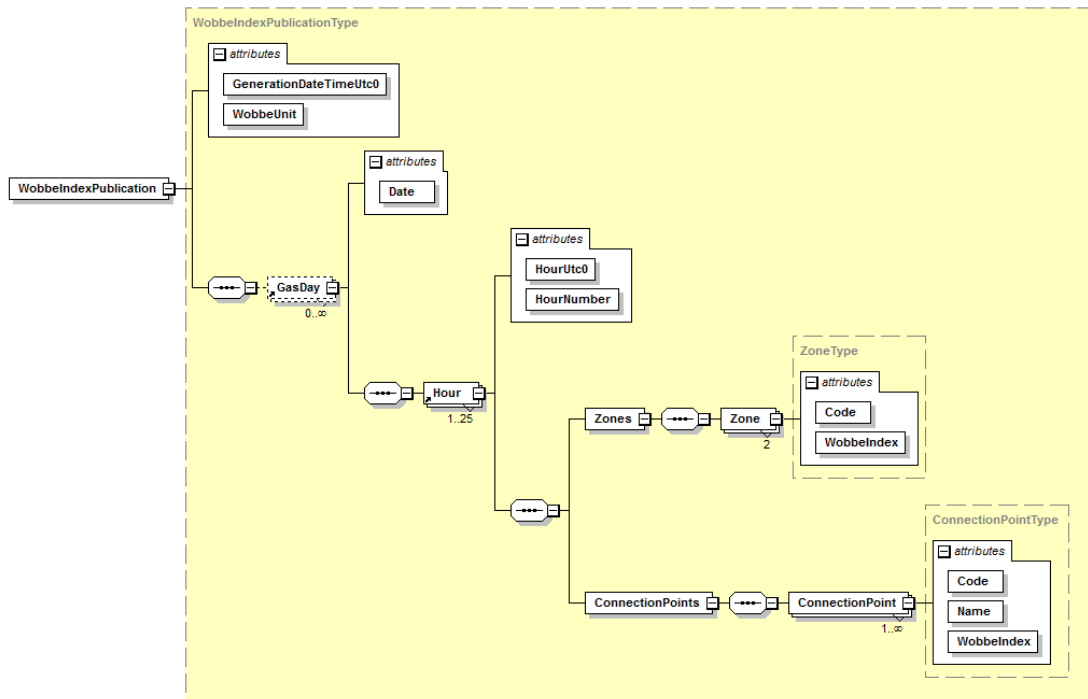
The format types are filled in the header of the http request

- CSV : “text/csv”
- XML : “text/xml”

2.3.13.3 XML

2.3.13.3.1 XSD

The following diagram shows the XML Schema for this publication.



2.3.13.3.2 XML snippet

The full XML *sample*, containing data for 1 gasday, can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<WobbeIndexPublication
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  GenerationDateTimeUtc0="2012-04-24T14:54:25.4310847Z"
  WobbeUnit="kWh/m³" xmlns="http://www.fluxys.com/edp/1.0">
  <GasDay Date="2012-04-24">
    <Hour HourUtc0="2012-04-24T04:00:00Z" HourNumber="1">
      <Zones>
        <Zone Code="BHZONE" WobbeIndex="15"/>
        <Zone Code="BLZONE" WobbeIndex="0"/>
      </Zones>
      <ConnectionPoints>
        <ConnectionPoint Code="TAIS" Name="Blaregnies L" WobbeIndex="12.53"/>
        <ConnectionPoint Code="BLA" Name="Blaregnies Segeo" WobbeIndex="15"/>
        <ConnectionPoint Code="QUE" Name="Blaregnies Troll" WobbeIndex="15"/>
        <ConnectionPoint Code="EYNAT1" Name="Eynatten 1" WobbeIndex="15"/>
        <ConnectionPoint Code="EYNAT2" Name="Eynatten 2" WobbeIndex="15"/>
        <ConnectionPoint Code="005643" Name="GD Lux" WobbeIndex="15"/>
        <ConnectionPoint Code="IZT" Name="IZT" WobbeIndex="15"/>
      </ConnectionPoints>
    </Hour>
  </GasDay>
</WobbeIndexPublication>
```

2.3.13.4 CSV

The full CSV *sample*, containing data for 1 gasday, can be found in the CSV folder on the Fluxys website.

The following *snippet* gives an impression of how the CSV file looks like:

```
GasDay.Date|Gasday.Hour.HourUtc0|Gasday.Hour.HourNumber|GasDay.Hour.Zones.Zone.Code|
GasDay.Hour.Zones.Zone.WobbeIndex[kWh/m³]|GasDay.Hour.ConnectionPoints.ConnectionPoint.Code|
GasDay.Hour.ConnectionPoints.ConnectionPoint.Name|
GasDay.Hour.ConnectionPoints.ConnectionPoint.WobbeIndex[kWh/m³]
```

```

WobbeUnit,GasdayDate,GasdayHourUtc0,GasdayHourNumber,GasdayHourZoneCode,GasdayHourZoneWobbeInd
ex,GasdayHourConnectionPointCode,GasdayHourConnectionPointName,GasdayHourConnectionPointWobbeIndex
kWh/m³,2020-01-01,2020-01-01T05:00:00Z,1,BHZONE,"14,74"
kWh/m³,2020-01-01,2020-01-01T05:00:00Z,1,BLZONE,"12,82"
kWh/m³,2020-01-01,2020-01-01T05:00:00Z,1,,,007150,Alveringem (Virtualys),"15,36"
kWh/m³,2020-01-01,2020-01-01T05:00:00Z,1,,,TAIS,Blaregnies L,"12,91"
kWh/m³,2020-01-01,2020-01-01T05:00:00Z,1,,,BLA,Blaregnies Segeo (Virtualys),"14,83"
kWh/m³,2020-01-01,2020-01-01T05:00:00Z,1,,,QUE,Blaregnies Troll (Virtualys),"14,56"
...

```

2.3.13.5 Example URL

The following URL can be used to download the Wobbe Index report for the month April 2016. The returned file is in XML format.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/WebTrack/wobbeindex/get?periodfrom=2016-04-01&periodto=2016-04-30>

2.3.14 Temperatures

2.3.14.1 Description

This data publication contains the temperatures by day during the selected period

Relative URL: /Temperatures

2.3.14.2 Parameters

2.3.14.2.1 periodfrom – periodto

This is the period for which data is retrieved.
Dates are expressed in the YYYY-MM-DD format.
Those dates are considered in local time.

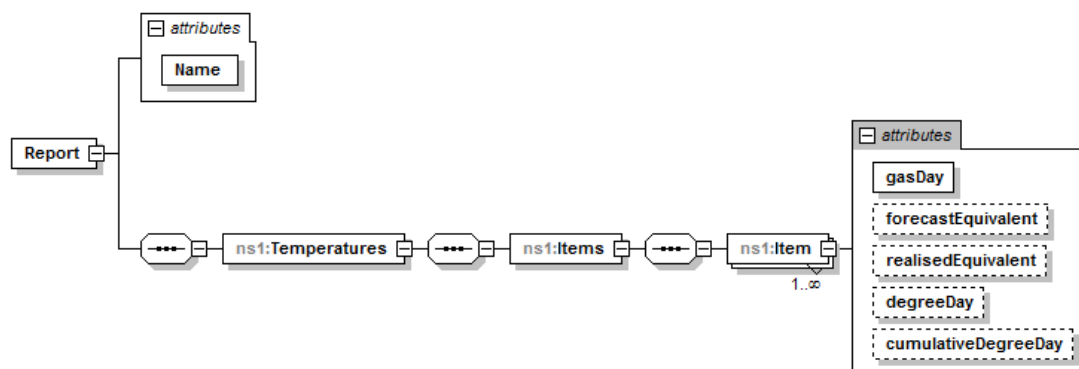
2.3.14.2.2 Format types available

The format types are filled in the header of the http request

- XML : "text/xml"

2.3.14.3 XML format

2.3.14.3.1 XSD



2.3.14.3.2 XML snippet

The full XML sample, containing temperatures, can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<Report Name="Temperatures" xmlns="http://data.fluxys.com">
```

```

<Temperatures>
  <Items>
    <Item gasDay="2016-11-01T00:00:00" forecastEquivalent="10.6" realisedEquivalent="10.51"
degreeDay="6.24" cumulativeDegreeDay="216.52"/>
    <Item gasDay="2016-11-02T00:00:00" forecastEquivalent="8.84" realisedEquivalent="8.4"
degreeDay="9.37" cumulativeDegreeDay="225.89"/>
    <Item gasDay="2016-11-03T00:00:00" forecastEquivalent="7.61" realisedEquivalent="7.13"
degreeDay="9.92" cumulativeDegreeDay="235.81"/>
    <Item gasDay="2016-11-04T00:00:00" forecastEquivalent="6.93" realisedEquivalent="6.94"
degreeDay="9.49" cumulativeDegreeDay="245.3"/>
    <Item gasDay="2016-11-28T00:00:00" forecastEquivalent="2.28"/>
    <Item gasDay="2016-11-29T00:00:00" forecastEquivalent="0.23"/>
  </Items>
</Temperatures>
</Report>

```

2.3.14.4 Example URL

The following URL can be used to download temperatures. The returned file is in XML format.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/Temperatures?periodfrom=2016-05-01&periodto=2016-05-31>

2.3.15 ZTP Trading Services

2.3.15.1 Description

This data publication contains details of imbalance pooling services, imbalance transfer services, implicit allocations of capacity and trading details, by gas day and hour for the selected period and for customers of Fluxys Belgium.

Relative URL: /ZTPTradingServices/search

2.3.15.2 Parameters

2.3.15.2.1 periodFrom – periodTo

This is the period for which data is retrieved.
Dates are expressed in the YYYY-MM-DD format.
Those dates are considered in local time.

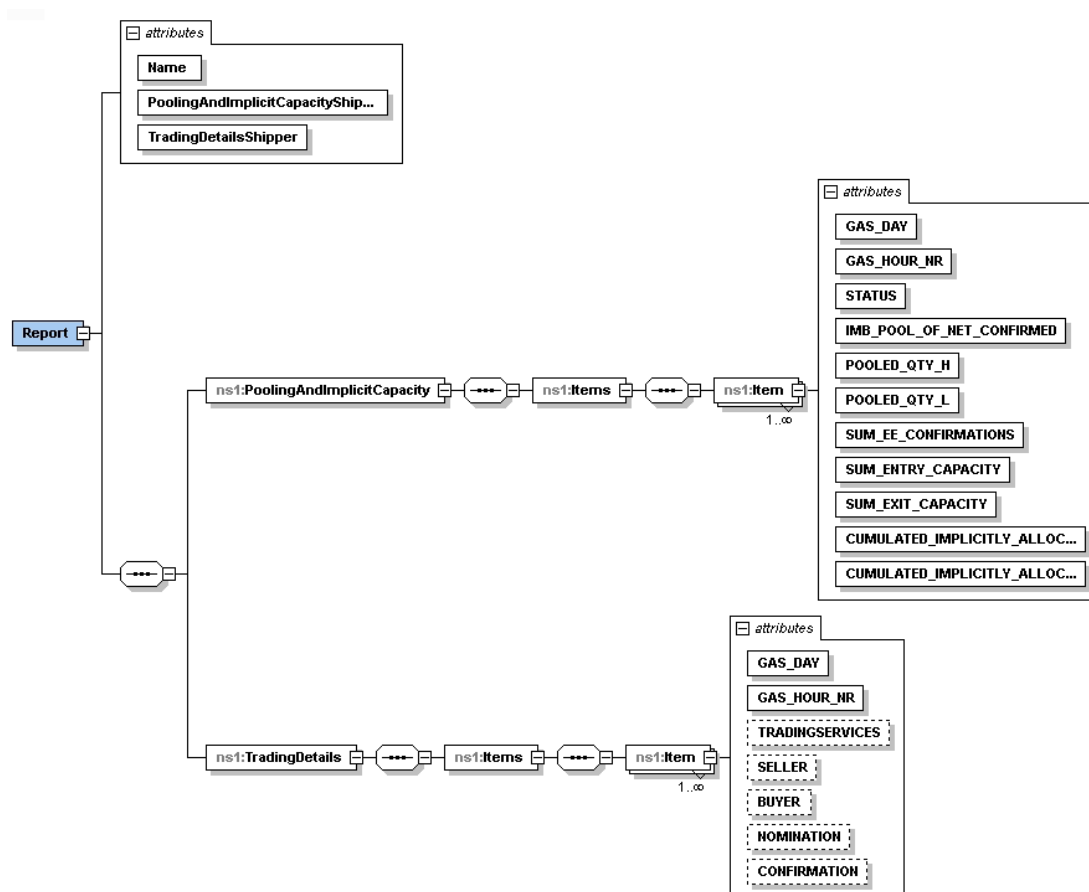
2.3.15.2.2 Format types available

The format types are filled in the header of the http request

- XML : "text/xml"

2.3.15.3 XML format

2.3.15.3.1 XSD



2.3.15.3.2 XML snippet

The full XML sample can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<Report Name="ZTP Trading Service Details" PoolingAndImplicitCapacityShipper="Shipper1" TradingDetailsShipper="Shipper1"
xmlns="http://data.fluxys.com" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <PoolingAndImplicitCapacity>
    <Items>
      <Item GAS_DAY="2017-08-28T00:00:00" GAS_HOUR_NR="1" STATUS="Provisional"
IMB_POOL_OF_NET_CONFIRMED="0" POOLED_QTY_H="0" POOLED_QTY_L="0" SUM_EE_CONFIRMATIONS="2550000"
SUM_ENTRY_CAPACITY="6051467" SUM_EXIT_CAPACITY="948057"
CUMULATED_IMPLICITLY_ALLOCATED_ENTRY="4399" CUMULATED_IMPLICITLY_ALLOCATED_EXIT="0"/>
      <Item GAS_DAY="2017-08-28T00:00:00" GAS_HOUR_NR="2" STATUS="Provisional"
IMB_POOL_OF_NET_CONFIRMED="0" POOLED_QTY_H="0" POOLED_QTY_L="0" SUM_EE_CONFIRMATIONS="2550000"
SUM_ENTRY_CAPACITY="6055866" SUM_EXIT_CAPACITY="948057"
CUMULATED_IMPLICITLY_ALLOCATED_ENTRY="4399" CUMULATED_IMPLICITLY_ALLOCATED_EXIT="0"/>
      <Item GAS_DAY="2017-08-28T00:00:00" GAS_HOUR_NR="3" STATUS="Provisional"
IMB_POOL_OF_NET_CONFIRMED="0" POOLED_QTY_H="0" POOLED_QTY_L="0" SUM_EE_CONFIRMATIONS="2550000"
SUM_ENTRY_CAPACITY="6055866" SUM_EXIT_CAPACITY="948057"
CUMULATED_IMPLICITLY_ALLOCATED_ENTRY="4399" CUMULATED_IMPLICITLY_ALLOCATED_EXIT="0"/>
    </Items>
  </PoolingAndImplicitCapacity>
  <TradingDetails>
    <Items>
      <Item GAS_DAY="2017-08-28T00:00:00" GAS_HOUR_NR="1" TRADINGSERVICES="ZTP Physical Trading
Service" SELLER="Shipper2" BUYER="Shipper3" CONFIRMATION="2550000"/>
      <Item GAS_DAY="2017-08-28T00:00:00" GAS_HOUR_NR="1" TRADINGSERVICES="ZTP Physical Trading
Service" SELLER="Shipper4" BUYER="Shipper2" NOMINATION="2550000" CONFIRMATION="2550000"/>
      <Item GAS_DAY="2017-08-28T00:00:00" GAS_HOUR_NR="2" TRADINGSERVICES="ZTP Physical Trading
Service" SELLER="Shipper2" BUYER="Shipper3" CONFIRMATION="2550000"/>
    </Items>
  </TradingDetails>
</Report>
```

2.3.15.4 Example URL

The following URL can be used to download the ZTP Trading Services report. The returned file is in XML format.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/ZTPTradingServices/search?periodFrom=2017-08-28&periodTo=2017-08-30>

3. Electronic Data Platform: Manual Downloads

3.1 Services on interconnection points

The services on interconnection points describe a detailed overview of the booked transmission services, assignments and reductions. This data publication describes the capacities for each interconnection point available on the requested data range.

The following columns are included in the report:

Column	Description	
Request	The type of request. Possible values are Service, Reduction or Assignment	
Product	The name of the booked product.	
Commercial Reference	The commercial reference of the service.	
Contract Reference	The reference of the contract of the service.	
Type	The type of service. Possible values are Entry or Exit	
Start	The gas day from which the service is active	
End	The gas day until which the service is active	
Quantity	The capacity in kWh/h	
Primary	Interconnection Point	The name of the primary interconnection point
	Sub grid	The sub grid to which the primary interconnection point belongs. Possible values are H (high calorific) or L (low calorific)
	Edigas	The Edigas code for the primary interconnection point.
	Firmness	The firmness level for the booked capacity on the primary interconnection point.
	Direction	The direction of gas flow on the primary interconnection point
Secondary	Interconnection Point	The name of the secondary interconnection point
	Sub grid	The sub grid to which the secondary interconnection point belongs. Possible values are H (high calorific) or L (low calorific)
	Edigas	The Edigas code for the secondary interconnection point.
	Firmness	The firmness level for the booked capacity on the secondary interconnection point.
	Direction	The direction of gas flow on the secondary interconnection point

Rate	The rate type for the transmission service. Possible values are Seasonal or Yearly
Condition	The condition associated with this transmission service.
Bill To	The party who will receive the invoice for this transmission service
Booked On	The date and time when this transmission service was created.
Assignor	In case of an assignment, the assignor of this transmission service
Assignee	In case of an assignment, the assignee of this transmission service
Product	In case on an auction, the product. Possible values are Day Ahead, Monthly, Quarterly or Yearly.
Premium	In case of an auction, the premium associated with this transmission service.

This report is available on screen, and can be downloaded manually in Excel, XML or CSV format.

3.2 Position on interconnection points

The position on interconnection points describes the aggregated capacities of the booked transmission services, reductions and assignments by interconnection point and type for a given date range.

The following columns are included in the report:

Column	Description
Interconnection Point	The name of the interconnection point
Type	The type of service. Possible values are Entry or Exit
Begin	The gas day from which the capacity is available
End	The gas day until which the capacity is available
Capacity	The capacity in kWh/h

This report is available on screen, and can be downloaded manually in Excel, XML or CSV format.

3.3 Booked capacities on quality conversion points

The booked capacities on quality conversion points describe a detailed overview of the the booked transmission services, reductions and assignments on the interconnection points of type quality conversion for the requested date range.

The following columns are included in the report:

Column	Description
Interconnection Point	The name of the interconnection point of type quality conversion
Subgrid	The subgrid to which the interconnection point belongs. Possible values are H (high calorific) or L (low calorific)
Direction	The direction of gas flow on the interconnection point. Possible values are Entry or Exit
Gas day	The gas day for which the values are applicable for
Gas hour	The gas hour for which the values are applicable for
CCF	The Contracted Capacity for Firm expressed in kWh/h
ACF	The Available Capacity for Firm expressed in kWh/h
CMCF	The Commercial Maximum Capacity for Firm expressed in kWh/h
CCI	The Contracted Capacity for Interruptible expressed in kWh/h
ACI	The Available Capacity for Interruptible expressed in kWh/h
CMCI	The Commercial Maximum Capacity for Interruptible expressed in kWh/h
DF	Demand Factor, expressed between 0 and 100%, which depends on the level of natural gas offtake (related to the equivalent temperature) in the region of Antwerp.
MF	Maintenance Factor, expressed between 0 and 100%, which indicates the influence of maintenance on the Real Quality Conversion (RCC) capacity
IF	Interruption Factor, expressed between 0 and 100%, which indicates the availability of the subscribed Interruptible Quality Conversion capacity

This report is available on screen, and can be downloaded manually in Excel, XML or CSV format.

3.4 Specifications on supply points

The specifications on supply points describes the contractual characteristics for the delivery of gas to the interconnection points of type supply points. Each interconnection point to which the customer is entitled for is shown on the screen.

The following columns are included in the report:

Column	Description
--------	-------------

Supply Point	The name of the supply point
Code	The code of the supply point.
GCV	The minimum- and maximum values for the Gross Calorific Value expressed in kWh/m ³
Wobbe Index	The minimum- and maximum values for the Wobbe Index expressed in kWh/m ³
Contractual Pressure	The minimum- and maximum values for the Contractual Pressure expressed in bar
Temperature	The minimum- and maximum values for the temperature expressed in ° celcius
H2S	The minimum- and maximum values for hydrogen sulphide content (H2S) (Exclusive of COS) (as S)
Sulphur	The minimum- and maximum values of total sulphur at any time (as S)
Odorisation	The indication whether the natural gas contain any added odorants.

This report is available on screen, and can be downloaded manually in Excel, XML or CSV format.

3.5 Invoices

The invoices describes the monthly invoices for the Entry & Exit transmission services on the Fluxys grid. For archiving purposes, the invoices from the transit & transmission model are also available.

The following invoices are available for the Entry & Exit transmission services:

- FIX: pdf file
- COM: pdf file
- VAR: pdf file
- Appendix - FIX: pdf/xml file
- Invoice Appendix - COM: pdf/xml file
- Invoice Appendix - VAR: pdf/xml file

Examples of these reports can be found in the published samples of the Electronic Data Platform section of the dedicated section of the Entry/Exit Transmission model section of our website.

For more information about the content of these invoices, see the Access Code for Transmission.

4. Electronic Booking System

4.1 *Transmission Services Portfolio*

4.1.1 Description

This report enables Grid Users to download their entire transmission services portfolio.

By default, this report will contain all booked services, as well as upcoming services in the future. However, it's also possible to generate this report for a limited period of time (past or future).

Note that services will only be included in the portfolio after they have been booked. Draft or proposed services (which are not booked yet) are not yet included in the portfolio.

4.1.2 URL

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/GenerateTransmissionServicesPortfolioReport/get>

4.1.3 Parameters

4.1.3.1.1 *periodfrom – periodto*

This is the period for which data is retrieved.
Dates are expressed in the YYYY-MM-DD format.
Those dates are considered in local time.

4.1.3.1.2 *Format types available*

The format types are filled in the header of the http request

- CSV : *"text/csv"*
- XML : *"text/xml"*

4.1.4 XML

4.1.4.1 *XSD*

The XML Schema for this publication can be retrieved on the Fluxys Website and in the attached documentation.

4.1.4.2 XML snippet

The full XML *sample* can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```
<TransmissionServicesPortfolioPublication xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" GenerationDateTimeUtc0="2018-12-
06T14:53:00.8714272Z" xmlns="http://www.fluxys.com/edp/1.0">
  <TransmissionService TransmissionServiceReference="SRV-001818/1/1" SourceContract="CTRT-001005"
MasterAgreementType="StandardTransmissionAgreement" TransmissionServiceType="Entry"
ReferenceDate="2017-01-01" RateType="Yearly">
    <ServicePeriod ValidFromGasday="2017-01-01" ValidFromHourNumber="1" ValidToGasday="2024-01-
31" ValidToHourNumber="24" />
    <CapacityAmount CapacityAmountValue="3920000" CapacityAmountValueType="Value"
CapacityAmountUnit="kWh/h" />
    <Detail Direction="Exit" CapacityType="Firm">
      <ConnectionPoint ConnectionPointType="DomesticExitPoint" ConnectionPointName="LUYTEN SA
MARCHE-LES-DAMES" ConnectionPointEdigasCode="867650" ConnectionPointRegrNr="5307" Zone="H" HP="1"
ODO="1" PS="1" />
    </Detail>
  </TransmissionService>
  <TransmissionService TransmissionServiceReference="SRV-001844/1/1" SourceContract="CTRT-000996"
MasterAgreementType="StandardTransmissionAgreement" TransmissionServiceType="Entry"
ReferenceDate="2013-12-01" RateType="Yearly">
    <ServicePeriod ValidFromGasday="2013-12-01" ValidFromHourNumber="1" ValidToGasday="2020-09-
30" ValidToHourNumber="24" />
    <CapacityAmount CapacityAmountValue="269912" CapacityAmountValueType="Value"
CapacityAmountUnit="kWh/h" />
    <Detail Direction="Entry" CapacityType="Firm">
      <ConnectionPoint ConnectionPointType="InterconnectionPoint"
ConnectionPointName="Zeebrugge" Zone="H" ConnectionPointEdigasCode="ZBGHUB"
ConnectionPointRegrNr="6000" />
    </Detail>
  </TransmissionService>
  <TransmissionService TransmissionServiceReference="SRV-001821/1/1" SourceContract="CTRT-001004"
MasterAgreementType="StandardTransmissionAgreement" TransmissionServiceType="Entry"
ReferenceDate="2012-10-01" RateType="Yearly">
    <ServicePeriod ValidFromGasday="2012-10-01" ValidFromHourNumber="1" ValidToGasday="2028-09-
30" ValidToHourNumber="24" />
    <CapacityAmount CapacityAmountValue="1695000" CapacityAmountValueType="Value"
CapacityAmountUnit="kWh/h" />
    <Detail Direction="Entry" CapacityType="Firm">
      <ConnectionPoint ConnectionPointType="InterconnectionPoint" ConnectionPointName="s
Gravenvoeren" Zone="H" ConnectionPointEdigasCode="GRAVV" ConnectionPointRegrNr="4857" />
    </Detail>
  </TransmissionService>
  <TransmissionService TransmissionServiceReference="SRV-001746/1/1" SourceContract="CTRT-001134"
MasterAgreementType="StandardTransmissionAgreement" TransmissionServiceType="Exit" ReferenceDate="2012-
10-01" RateType="Yearly">
    <ServicePeriod ValidFromGasday="2012-10-01" ValidFromHourNumber="1" ValidToGasday="2028-09-
30" ValidToHourNumber="24" />
    <CapacityAmount CapacityAmountValue="609639" CapacityAmountValueType="Value"
CapacityAmountUnit="kWh/h" />
    <Detail Direction="Exit" CapacityType="Firm">
      <ConnectionPoint ConnectionPointType="InterconnectionPoint"
ConnectionPointName="Zeebrugge" Zone="H" ConnectionPointEdigasCode="ZBGHUB"
ConnectionPointRegrNr="6000" />
    </Detail>
  </TransmissionService>
</TransmissionServicesPortfolioPublication>
```

4.1.5 CSV

The full CSV *sample* can be found in the CSV folder on the Fluxys website.

The following *snippet* gives an impression of how the CSV file looks like.

```

TransmissionServiceReference|SourceContract|MasterAgreementType|TransmissionServiceType|ReferenceDate|RateType|CGCV|TransactionType|
ServicePeriod.Begin.Gasday|ServicePeriod.Begin.HourNumber|ServicePeriod.End.Gasday|ServicePeriod.End.HourNumber|CustomerSegment|CapacityAmountUnit|CapacityAmountValue|CapacityAmountValueType|Direction|CapacityType|ConnectionPointType|ConnectionPointName|ConnectionPointRegrNr|ConnectionPointEdigasCode|Zone|HP|ODO|PS|BillTo|Assignor|Assignee
SRV-000001/1/1|CTRT-
145847|StandardTransmissionAgreement|Entry|01/10/2012|Yearly|||01/10/2012|1|30/09/2013|2||kWh/h|1000|Value|Entry|Firm|InterconnectionPoint|ConnectionPoint1|1111|ABC|H||||BP1|BP1|BP2
SRV-000002/1/1|CTRT-
145847|StandardTransmissionAgreement|Zeeplatform|02/10/2012|||01/10/2012|2|31/12/9999|24||kWh/h||InfinitePos|Entry|Firm|InterconnectionPoint|IZT|4860|IZT|H||||BP1||
SRV-000003/1/1|SRV-
000003/1/1|StandardTransmissionAgreement|Zeeplatform|03/10/2012|||01/10/2012|2|31/12/9999|24||kWh/h||InfinitePos|Exit|Firm|InterconnectionPoint|IZT|4860|IZT|H||||BP1||
SRV-000004/1/1|CRT-
500006|StandardTransmissionAgreement|Zeeplatform|04/10/2012|||01/10/2012|2|31/12/9999|24||kWh/h||InfinitePos|Entry|Firm|InterconnectionPoint|LNG Terminal|4856|004856|H||||BP1||
SRV-000005/1/1|SRV-
000005/1/1|StandardTransmissionAgreement|Zeeplatform|05/10/2012|||01/10/2012|2|31/12/9999|24||kWh/h||InfinitePos|Exit|Backhaul|InterconnectionPoint|LNG Terminal|4856|004856|H||||BP1||
SRV-000006/1/1|SRV-
000006/1/1|StandardTransmissionAgreement|Zeeplatform|06/10/2012|||01/10/2012|2|31/12/9999|24||kWh/h||InfinitePos|Entry|Firm|InterconnectionPoint|Zeebrugge Beach|6000|ZBGHUB|H||||BP1||
SRV-000007/1/1|SRV-
000007/1/1|StandardTransmissionAgreement|Zeeplatform|07/10/2012|||01/10/2012|2|31/12/9999|24||kWh/h||InfinitePos|Exit|Firm|InterconnectionPoint|Zeebrugge Beach|6000|ZBGHUB|H||||BP1||
SRV-000008/1/1|SRV-
000008/1/1|StandardTransmissionAgreement|Zeeplatform|08/10/2012|||01/10/2012|2|31/12/9999|24||kWh/h||InfinitePos|Entry|Firm|InterconnectionPoint|ZPT|4861|ZPT|H||||BP1||
SRV-000009/1/1|SRV-
000009/1/1|StandardTransmissionAgreement|Entry|09/10/2012|FixFlex|||01/01/2016|1|31/12/2016|24||kWh/h|1000|Value|Entry|Firm|InterconnectionPoint|ConnectionPoint1|1111|ABC|H||||BP1|BP1|BP2
SRV-000010/1/1|SRV-
000010/1/1|StandardTransmissionAgreement|Entry|10/10/2012|ShortTerm|||01/01/2016|1|31/01/2016|24||kWh/h|1000|Value|Entry|Firm|InterconnectionPoint|ConnectionPoint1|1111|ABC|H||||BP1|BP1|BP2

```

4.1.6 Example URL

Download a complete portfolio starting from October 2016 until end of time. The returned file is in XML format.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/GenerateTransmissionServicesPortfolioReport/get?periodfrom=2016-10-01&periodto=9999-12-31>

4.2 GridUserRequestsOverview

4.2.1 Description

This report enables Grid Users to download the overview of their requests.

By default, this report will contain all requests. However, it is also possible to generate the report only for the requests requested within a limited period of time.

The report contains all requests, requested through the Electronic Booking System. Furthermore the report contains written requests with an offer which is proposed, accepted or refused. Assignment requests are also shown for the assignor and the assignee in case the assignment was confirmed.

4.2.2 URL

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/GenerateServiceRequestsOverviewReport/get>

4.2.3 Parameters

4.2.3.1.1 periodfrom – periodto

This is the period for which data is retrieved.

Dates are expressed in the YYYY-MM-DD format.
Those dates are considered in local time.

4.2.3.1.2 Format types available

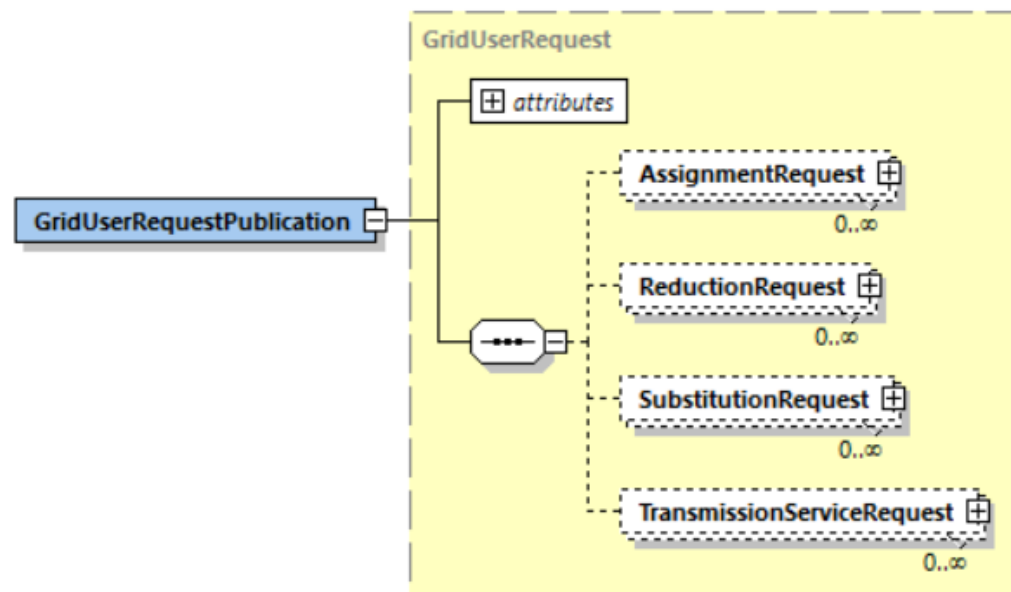
The format types are filled in the header of the http request

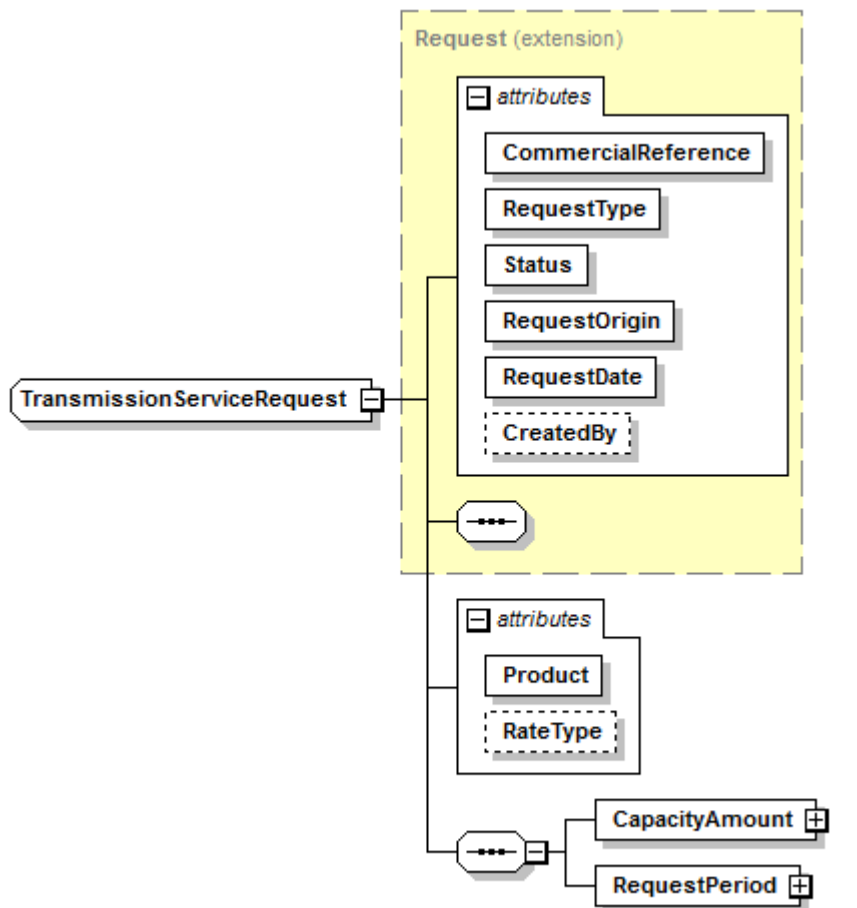
- CSV : *"text/csv"*
- XML : *"text/xml"*

4.2.4 XML

4.2.4.1 XSD

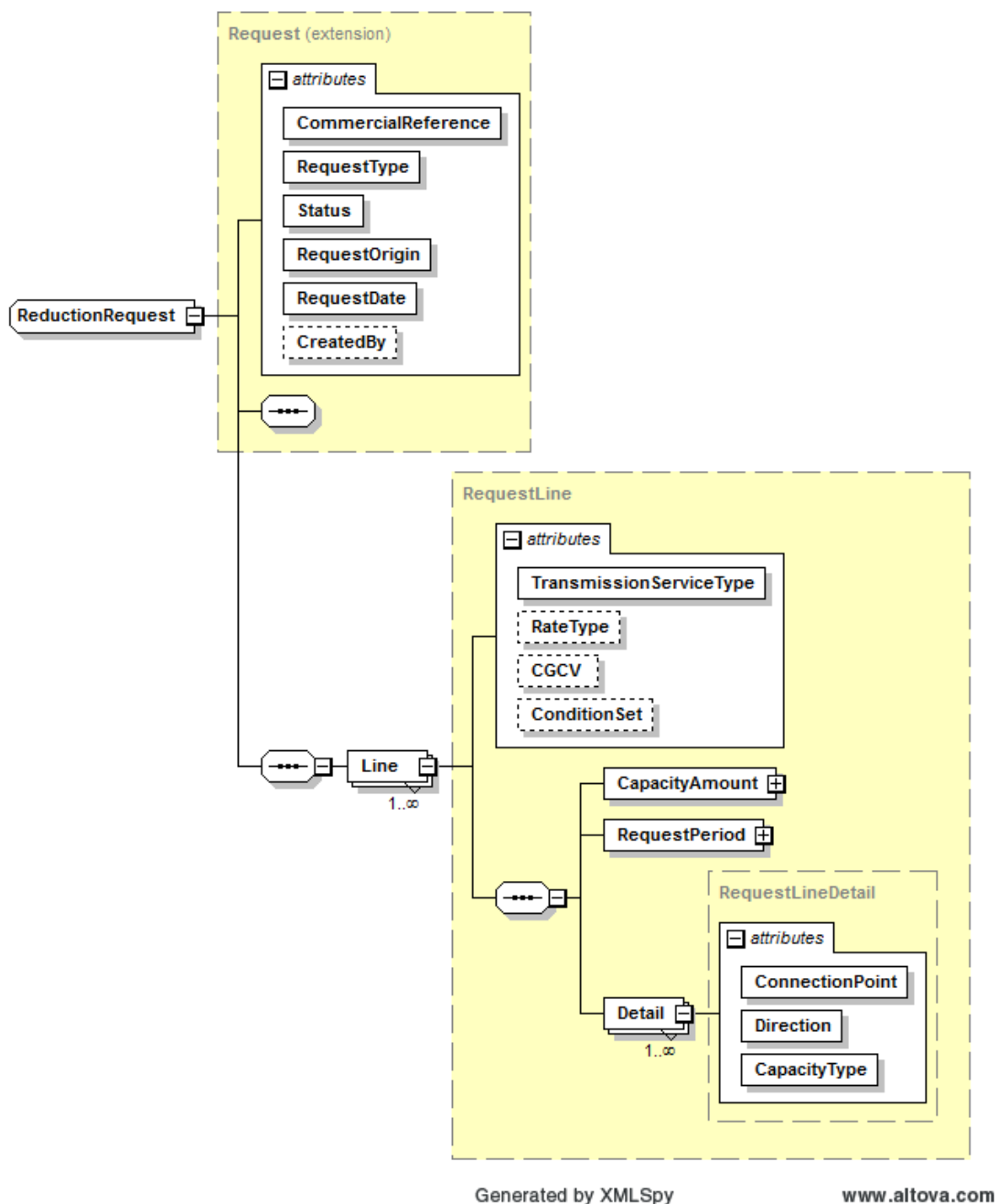
The following diagram shows the XML Schema for this publication.

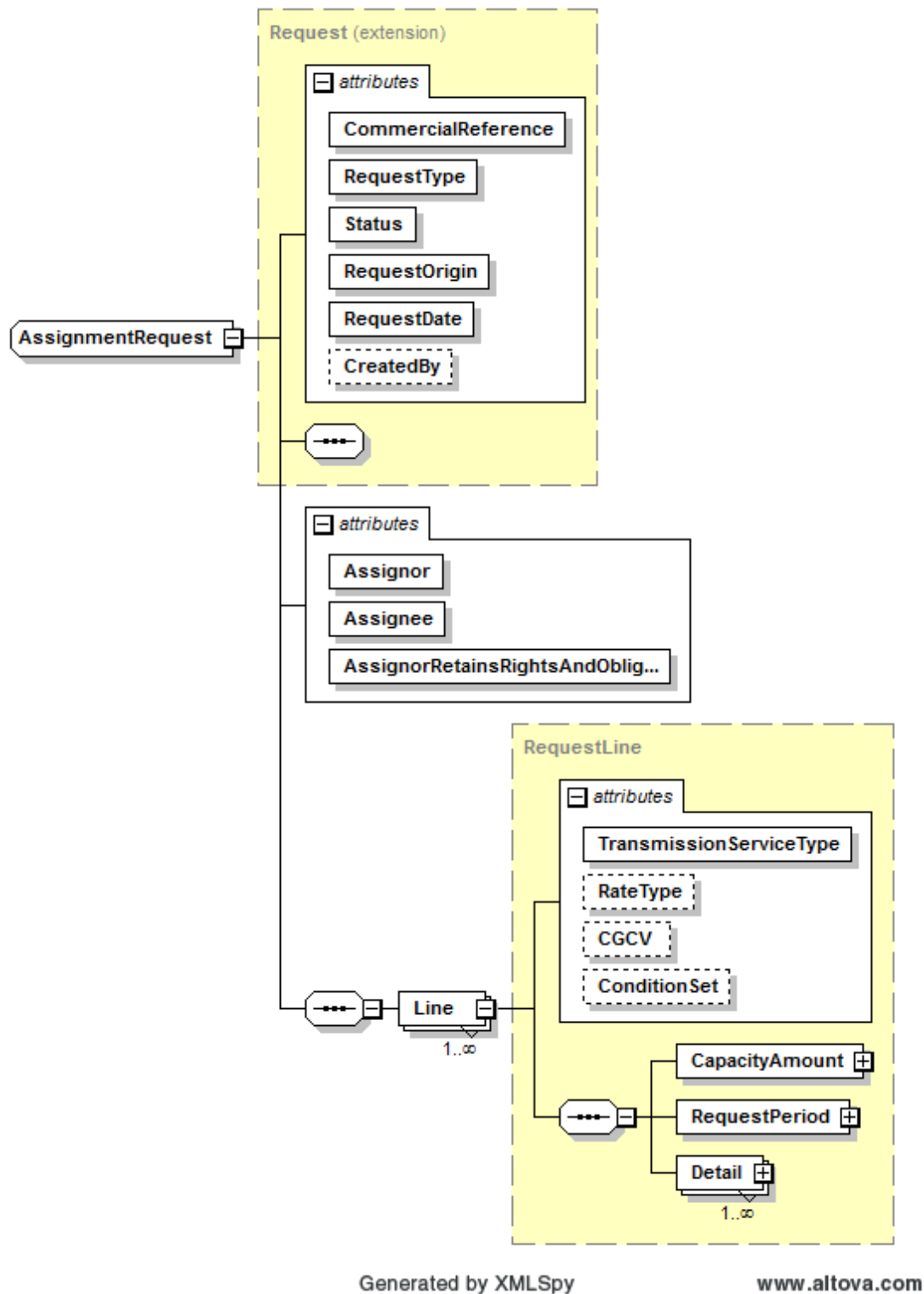


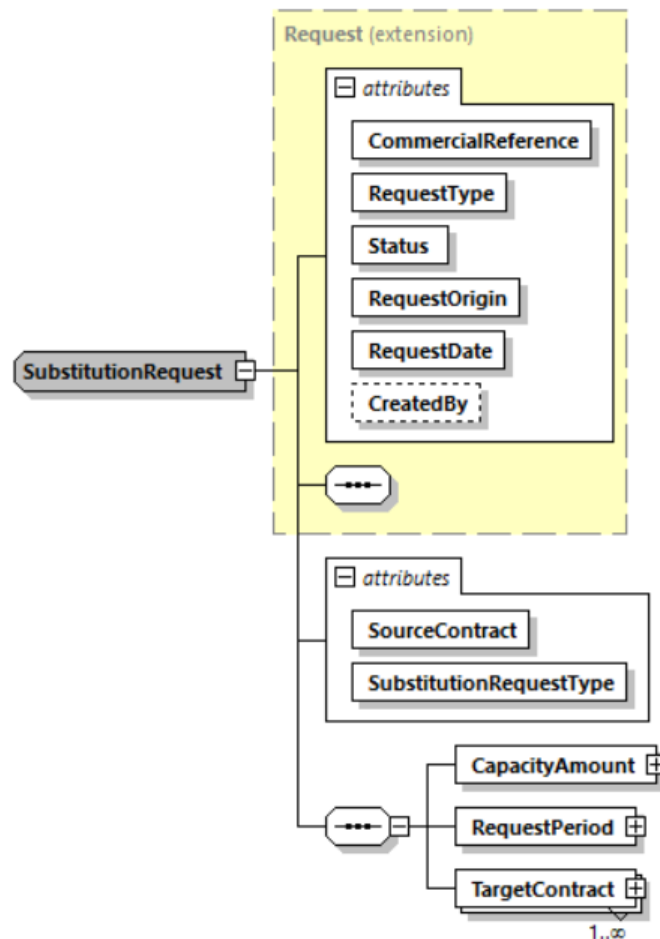


Generated by XMLSpy

www.altova.com







4.2.4.2 XML snippet

The full XML *sample* can be found in the XML folder on the Fluxys website.

The following *snippet* gives an impression of how the XML looks like:

```

<GridUserRequestPublication GenerationDateTimeUtc0="20012-12-17T09:30:47Z"
xmlns="http://www.fluxys.com/edp/1.0">
  <AssignmentRequest CommercialReference="ARQ-000127" RequestType="AssignmentRequest"
Status="AssignmentConfirmed" RequestOrigin="WrittenRequest" RequestDate="2012-12-17T09:30:47Z"
CreatedBy="" Assignor="Grid User 1" Assignee="Grid User 2" AssignorRetainsRightsAndObligations="false">
    <Line TransmissionServiceType="Exit" RateType="Yearly">
      <CapacityAmount CapacityAmountUnit="kWh/h" CapacityAmountValue="-300"
CapacityAmountValueType="Value"/>
      <RequestPeriod ValidFrom="2014-01-01" ValidTo="2014-12-31"/>
      <Detail ConnectionPoint="IZT" Direction="Exit" CapacityType="InterruptibleLevelN"/>
    </Line>
    <Line TransmissionServiceType="OperationalCapacityUsageCommitment" RateType="Yearly">
      <CapacityAmount CapacityAmountUnit="kWh/h" CapacityAmountValue="-500"
CapacityAmountValueType="Value"/>
      <RequestPeriod ValidFrom="2014-08-15" ValidTo="2014-08-31"/>
      <Detail ConnectionPoint="Zelzate 1" Direction="Entry" CapacityType="Firm"/>
      <Detail ConnectionPoint="IZT" Direction="Exit" CapacityType="Firm"/>
    </Line>
  </AssignmentRequest>
  <SubstitutionRequest CommercialReference="CCRQ-000418" RequestType="SubstitutionRequest"
Status="SubstitutionConfirmed" RequestOrigin="Auctioning" RequestDate="2019-12-01T17:01:42+01:00"
SourceContract="SRV-00001/1/2" SubstitutionRequestType="CapacityConversion">
    <CapacityAmount CapacityAmountUnit="kWh/h" CapacityAmountValue="4708029"
CapacityAmountValueType="Value" />
    <RequestPeriod ValidFrom="2019-12-02" ValidTo="2019-12-02" />
    <TargetContract Target="AUC-00000767" />
  </SubstitutionRequest>
</GridUserRequestPublication>
  
```

```

</SubstitutionRequest>
<ReductionRequest CommercialReference="RRQ-000129" RequestType="ReductionRequest"
Status="OfferAccepted" RequestOrigin="WrittenRequest" RequestDate="2012-12-17T09:30:47Z"
CreatedBy="String">
  <Line TransmissionServiceType="Zeeplatform">
    <CapacityAmount CapacityAmountUnit="kWh/h" CapacityAmountValueType="InfiniteNeg"/>
    <RequestPeriod ValidFrom="2013-05-01" ValidTo="9999-12-31"/>
    <Detail ConnectionPoint="IZT" Direction="Entry" CapacityType="Firm"/>
    <Detail ConnectionPoint="IZT" Direction="Exit" CapacityType="Firm"/>
    <Detail ConnectionPoint="ZPT" Direction="Entry" CapacityType="Firm"/>
    <Detail ConnectionPoint="ZPT" Direction="Exit" CapacityType="Backhaul"/>
  </Line>
</ReductionRequest>
<TransmissionServiceRequest CommercialReference="SRQ-000124"
RequestType="TransmissionServiceRequest" Status="RequestDraft" RequestOrigin="ElectronicBookingSystem"
RequestDate="2002-12-17T09:30:47Z" CreatedBy="FLUXYSFS\externalUser1" Product="Blaregnies Segeo Entry"
RateType="Seasonal">
  <CapacityAmount CapacityAmountUnit="kWh/h" CapacityAmountValue="500"
CapacityAmountValueType="Value"/>
  <RequestPeriod ValidFrom="2013-01-01" ValidTo="2013-05-31"/>
</TransmissionServiceRequest>
</GridUserRequestPublication>

```

4.2.5 CSV

The full CSV *sample* can be found in the CSV folder on the Fluxys website.

The following *snippet* gives an impression of how the CSV file looks like.

```

CommercialReference,RequestType,Status,RequestOrigin,RequestDate,CreatedBy,Product,TransmissionServiceTy
pe,EntryConnectionPoint,EntryCapacityType,ExitConnectionPoint,ExitCapacityType,ValidFromGasday,ValidToGasda
y,CapacityAmountValue,CapacityAmountValueType,CapacityAmountUnit,CGCV,ConditionSet,Assignor,Assignee,A
ssignorRetainsRightsAndObligations,SubstitutionRequestType,SourceContract,TargetContract
CCRQ-144258,SubstitutionRequest,SubstitutionConfirmed,Auctioning,2019-10-20,,,,,,,,,2019-10-21,2019-10-
21,4598029,Value,kWh/h,,,,,CapacityConversion,SRV-060451/1/2,AUC-34212770
SRQ-143956,TransmissionServiceRequest,OfferAccepted,PrismaFirstComeFirstServe,2019-10-13,,Zeebrugge
Entry,,,,,2019-10-14,2019-10-15,587000,Value,kWh/h
SRQ-144481,TransmissionServiceRequest,OfferAccepted,PrismaFirstComeFirstServe,2019-10-24,,Zeebrugge
Entry,,,,,2019-10-25,2019-10-26,260000,Value,kWh/h
SRQ-143515,TransmissionServiceRequest,OfferAccepted,PrismaFirstComeFirstServe,2019-10-03,,Zeebrugge
Entry,,,,,2019-10-04,2019-10-05,837000,Value,kWh/h
SRQ-144211,TransmissionServiceRequest,OfferAccepted,PrismaFirstComeFirstServe,2019-10-19,,Zeebrugge
Entry,,,,,2019-10-20,2019-10-21,563589,Value,kWh/h
CCRQ-143511,SubstitutionRequest,SubstitutionConfirmed,Auctioning,2019-10-03,,,,,,,,,2019-10-04,2019-10-
04,4628029,Value,kWh/h,,,,,CapacityConversion,SRV-060451/1/2,AUC-34209161
CCRQ-143571,SubstitutionRequest,SubstitutionConfirmed,Auctioning,2019-10-04,,,,,,,,,2019-10-05,2019-10-
05,4598029,Value,kWh/h,,,,,CapacityConversion,SRV-060451/1/2,AUC-34209373

```

4.2.6 Example URL

The following URL can be used to download the requests overview for requests requested in the month October 2016. The returned file is in XML format.

<https://api.gasdata.fluxys.com/TransmissionHandler/Reports/GenerateServiceRequestsOverviewReport/get?periodfrom=2016-10-01&periodto=2016-10-31>