

Electronic Data Platform

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1. Introduction

1.1 Purpose of this document

The purpose of this document is to describe all the automatic downloads that will be available on the Electronic Data Platform for the Terminal context.

1.2 General remarks

1.2.1 Base URL

<https://api.gasdata.fluxys.com/TerminalHandler/reports>

1.2.2 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.

1.2.3 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.

2. Former Webtrack reports

The following section gives an overview of the reports.

2.1 FlowMeasurementOnNode

2.1.1 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 updated 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 updates have been done during the requested date range (DateFrom, DateTo) are returned.
The flow measurements for each node are returned per hour.

Relative URL (new codification) : [/WebTrack/flowmeasurement/node/new/hourly/get](#)

Relative URL (old codification) : [/WebTrack/flowmeasurement/node/hourly/get](#)

2.1.2 Parameters

2.1.2.1 type

- default : HourlyFlowMeasurementOnNode
- corrected : CorrectedHourlyFlowMeasurementOnNode

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

2.1.2.2 *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.

2.1.2.3 *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.

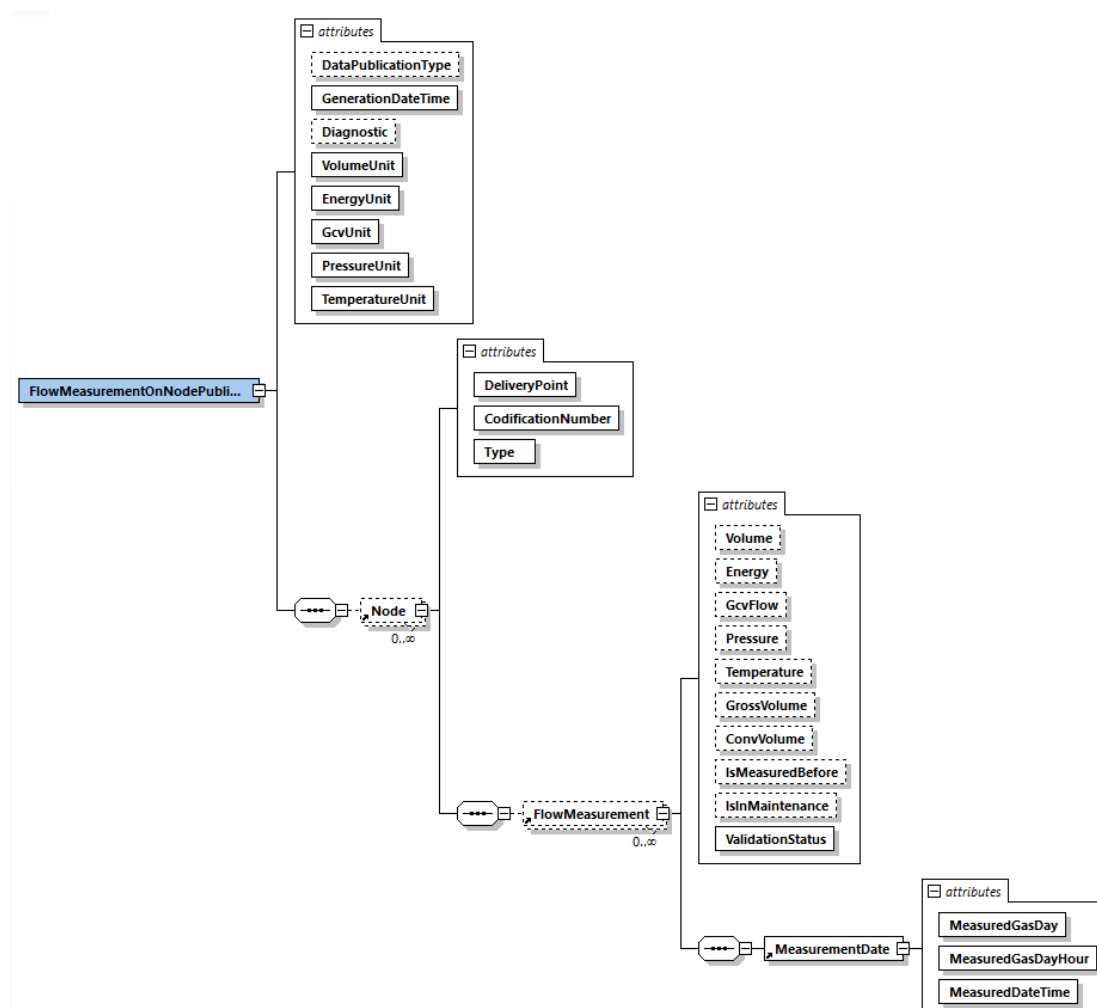
2.1.2.4 *Format types available*

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

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

2.1.3 XML format

2.1.3.1 *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.

2.1.3.2 XML snippet

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

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

```
<FlowMeasurementOnNodePublication DataPublicationType="FlowMeasurementOnNode"
GenerationDateTime="2012-06-05T13:04:16" 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="01880-N03" Type="BorderNode">
    <FlowMeasurement Volume="0.00000" Energy="0.00000" GcvFlow="11.32678"
      Pressure="71.59269" Temperature="6.29400" GrossVolume="0.64938"
      ValidationStatus="Validated">
      <MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="1"
        MeasuredDateTime="2012-04-01T04:00:00"/>
    </FlowMeasurement>
    <FlowMeasurement Volume="0.00000" Energy="0.00000" GcvFlow="11.30504"
      Pressure="70.74575" Temperature="5.98572" GrossVolume="5.45514"
      ValidationStatus="Validated">
      <MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="2"
        MeasuredDateTime="2012-04-01T05:00:00"/>
    </FlowMeasurement>
    <FlowMeasurement Volume="0.00000" Energy="0.00000" GcvFlow="11.20759"
      Pressure="67.90086" Temperature="6.74657" GrossVolume="4.75531"
      ValidationStatus="Validated">
      <MeasurementDate MeasuredGasDay="2012-04-02" MeasuredGasDayHour="1"
        MeasuredDateTime="2012-04-02T04:00:00"/>
    </FlowMeasurement>
  </Node>
</FlowMeasurementOnNodePublication>
```

2.1.4 CSV format

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

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

```
NodeDeliveryPoint,NodeCodificationNumber,NodeType,FlowMeasurementVolume,VolumeUnitSymbolExternal,Flow
MeasurementEnergy,EnergyUnitSymbolExternal,FlowMeasurementGcvFlow,GcvUnitSymbolExternal,FlowMeasurem
entPressure,PressureUnitSymbolExternal,FlowMeasurementTemperature,TemperatureUnitSymbolExternal,FlowMea
surementGrossVolume,GrossVolumeUnitSymbolExternal,FlowMeasurementConvVolume,ConvVolumeUnitSymbolEx
ternal,FlowMeasurementValidationStatus,FlowMeasurementMeasurementDateGasDay,FlowMeasurementMeasurem
entDateGasDayHour,FlowMeasurementMeasurementDateMeasuredDateTime
146,04100-
N02,BorderNode,225160.0602496,m³,2573288.7545202777777777777780,kWh,11.42870876685277777777777777
9,kWh/m³,69.36961210329,bar,4.9970012565,°C,2806.662776296,m3(b),0,m³,Validated,2020-01-22,1,2020-01-22
05:00:00
146,04100-
N02,BorderNode,205238.5276337,m³,2343485.0679816666666666666669,kWh,11.4183486648500000000000000000
1,kWh/m³,68.20572051488,bar,5.2821852924,°C,2615.55748931,m3(b),0,m³,Validated,2020-01-22,2,2020-01-22
06:00:00
146,04100-
N02,BorderNode,197888.2516711,m³,2260182.8403516666666666666668,kWh,11.4215109854444444444444444444
5,kWh/m³,67.27831414561,bar,5.3443435876,°C,2563.627929322,m3(b),0,m³,Validated,2020-01-22,3,2020-01-22
07:00:00
...
```

2.1.5 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 during July 2016. The returned file is in XML format.

<https://api.gasdata.fluxys.com/TerminalHandler/reports/WebTrack/flowmeasurement/node/new/hourly/get?periodfrom=2016-07-01&periodto=2016-07-31&type=default>

2.2 FlowMeasurementOnMeteringLine

2.2.1 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 updated 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 updates 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>

2.2.2 Parameters

2.2.2.1 type

- default : HourlyFlowMeasurementOnMeteringLine
- corrected : CorrectedHourlyFlowMeasurementOnMeteringLine

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

2.2.2.2 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.

2.2.2.3 Format types available

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

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

2.2.2.4 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.


```

<FlowMeasurement Volume="40161.27043152"
Energy="463728.73869194444444444444444444" GcvFlow="11.5466650758166666666666666668"
Pressure="65.10693" Temperature="6.3858957291" GrossVolume="539.9873" Weight-
InMaintenance="0.5" ValidationStatus="Validated">
  <MeasurementDate MeasuredGasDay="2016-04-01" MeasuredGasDayHour="2"/>
</FlowMeasurement>
<FlowMeasurement Volume="37248.46162415"
Energy="431376.32985916666666666666666670" GcvFlow="11.5810508957888888888888888890"
Pressure="64.97323" Temperature="5.5007214546" GrossVolume="498.4377" Weight-
InMaintenance="0.5" ValidationStatus="Validated">
  <MeasurementDate MeasuredGasDay="2016-04-01" MeasuredGasDayHour="3"/>
</FlowMeasurement>
<FlowMeasurement Volume="41982.71156311"
Energy="485955.24774666666666666666666671" GcvFlow="11.5751277050333333333333333334"
Pressure="65.06419" Temperature="7.1396174431" GrossVolume="566.7918" Weight-
InMaintenance="0.5" ValidationStatus="Validated">
  <MeasurementDate MeasuredGasDay="2016-04-01" MeasuredGasDayHour="4"/>
</FlowMeasurement>
</MeteringLine>
</FlowMeasurementOnMeteringLinePublication>

```

CSV format

The full CSV *sample*, containing data for HourlyFlowMeasurementOnMeteringLine 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,FlowMeasurementWeightInMaintenance,FlowMeasurementVolume,VolumeUnitSymbolExternal,FlowMeasurementEnergy,EnergyUnitSymbolExternal,FlowMeasurementGcvFlow,GcvUnitSymbolExternal,FlowMeasurementPressure,PressureUnitSymbolExternal,FlowMeasurementTemperature,TemperatureUnitSymbolExternal,FlowMeasurementGrossVolume,GrossVolumeUnitSymbolExternal,FlowMeasurementConvVolume,ConvVolumeUnitSymbolExternal,FlowMeasurementValidationStatus,FlowMeasurementMeasurementDateGasDay,FlowMeasurementMeasurementDateGasDayHour,FlowMeasurementMeasurementDateMeasuredDateTime
146,04100-
N02/A/1,0.5,125414.1259917,m³,1487051.3682705555555555555557,kWh,11.8571281864083333333333333334,kWh/m³,73.90676071412,bar,5.2284234068,°C,1414.79324957,m3(b),0,m³,Validated,2021-12-25,1,2021-12-25 05:00:00
146,04100-
N02/A/1,0.5,87409.9441817,m³,1037122.635088611111111111111112,kWh,11.865041727205555555555555557,kWh/m³,74.75210237977,bar,5.312126325,°C,973.302233644,m3(b),0,m³,Validated,2021-12-25,2,2021-12-25 06:00:00
146,04100-
N02/A/1,0.5,87465.91448022,m³,1039181.06854944444444444444445,kWh,11.8809832918916666666666666668,kWh/m³,74.65731538625,bar,5.8582234507,°C,974.0242574009,m3(b),0,m³,Validated,2021-12-25,3,2021-12-25 07:00:00
...

```

2.2.4 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/TerminalHandler/reports/WebTrack/flowmeasurement/meteringline/new/hourly/get?periodfrom=2016-04-01&periodto=2016-04-30&type=default>

2.3 GasAnalysisOnNode

2.3.1 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](#)

2.3.2 Parameters

2.3.2.1 *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 *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.

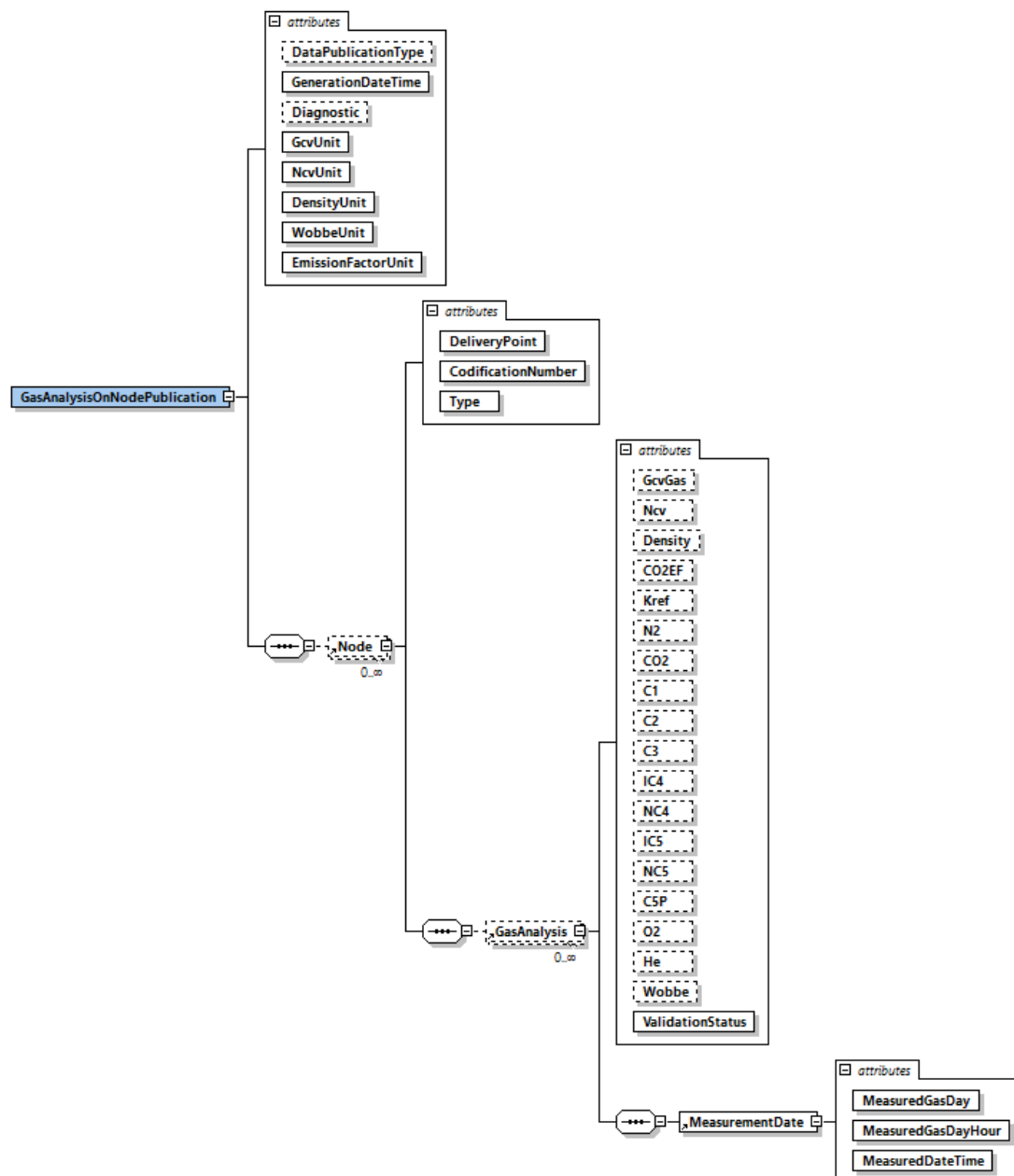
2.3.2.3 *Format types available*

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

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

2.3.3 XML format

2.3.3.1 XSD (new codification)



2.3.3.2 XML snippet

The full XML *sample*, containing data for HourlyGasAnalysisOnNode 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="2012-06-05T13:12:35" 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 CodificationNumber="146" DeliveryPoint="04100-N02" Type="BorderNode">
    <GasAnalysis GcvGas="11.32972" Ncv="10.22694" Density="0.77488" CO2EF="56.64696"
Kref="0.89424" N2="1.36660" CO2="0.89173" C1="92.50175" C2="4.58494"
C3="0.42040" IC4="0.13337" NC4="0.06081" IC5="0.02608" NC5="0.01429"
C5P="0.00000" O2="0.00002" He="0.00000" Wobbe="14.63481"
ValidationStatus="Raw">
      <MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="1"
MeasuredDateTime="2012-04-01T04:00:00"/>
    </GasAnalysis>
    <GasAnalysis GcvGas="11.30667" Ncv="10.20566" Density="0.77394" CO2EF="56.64417"
Kref="0.89473" N2="1.45458" CO2="0.85833" C1="92.61807" C2="4.43636"
C3="0.40587" IC4="0.12895" NC4="0.05875" IC5="0.02523" NC5="0.01384"
C5P="0.00000" O2="0.00002" He="0.00000" Wobbe="14.61669"
ValidationStatus="Raw">
      <MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="2"
MeasuredDateTime="2012-04-01T05:00:00"/>
    </GasAnalysis>
  </Node>
</GasAnalysisOnNodePublication>
```

2.3.4 CSV format

The full CSV *sample*, containing data for HourlyGasAnalysisOnNode 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
04100-
N02,146,BorderNode,11.5725048705760555555555555556,kWh/m³,10.352524544644277777777777779,kWh/m³,0.7
5018853298525,kg/m³,15.061191885519027777777777779,kWh/m³,55.4302163625086,t/TJ,0.896344411912171,m
ol%,0.1348820314800,0.95.7164016396500,3.4802317721200,0.4345005210200,0.1361144418700,0.0802560371
600,0.0139602536900,0.0036533030100,0,0,0,Validated,2019-12-25,1,2019-12-25 05:00:00
04100-
N02,146,BorderNode,11.5419628486013055555555555556,kWh/m³,10.3242637730139166666666666667,kWh/m³,0.7
49076608434245,kg/m³,15.0322405617116944444444444446,kWh/m³,55.4060159651831,t/TJ,0.897200396539024,
mol%,0.2185843001100,0.96.2088931769900,2.6792478581300,0.5590094171800,0.1992195190300,0.113069009
4600,0.0180699199800,0.0039067991200,0,0,0,Validated,2019-12-25,2,2019-12-25 06:00:00
04100-
N02,146,BorderNode,11.5428797407695833333333333334,kWh/m³,10.325071711213027777777777779,kWh/m³,0.7
48977311642979,kg/m³,15.0344416655466666666666666668,kWh/m³,55.4055897975353,t/TJ,0.897208021201436,
mol%,0.2060621529200,0.96.2510963718700,2.6327510736600,0.5684424266900,0.2038374795100,0.115494616
4500,0.0183834401900,0.0039324387100,0,0,0,Validated,2019-12-25,3,2019-12-25 07:00:00
...
```

2.3.5 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 July 2016. The returned file is in XML format.

<https://api.gasdata.fluxys.com/TerminalHandler/reports/WebTrack/gasanalysis/node/new/hourly/get?periodfrom=2016-07-01&periodto=2016-07-31>

2.4 GasAnalysisOnMeteringLine

2.4.1 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>

2.4.2 Parameters

2.4.2.1 *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.

2.4.2.2 *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.

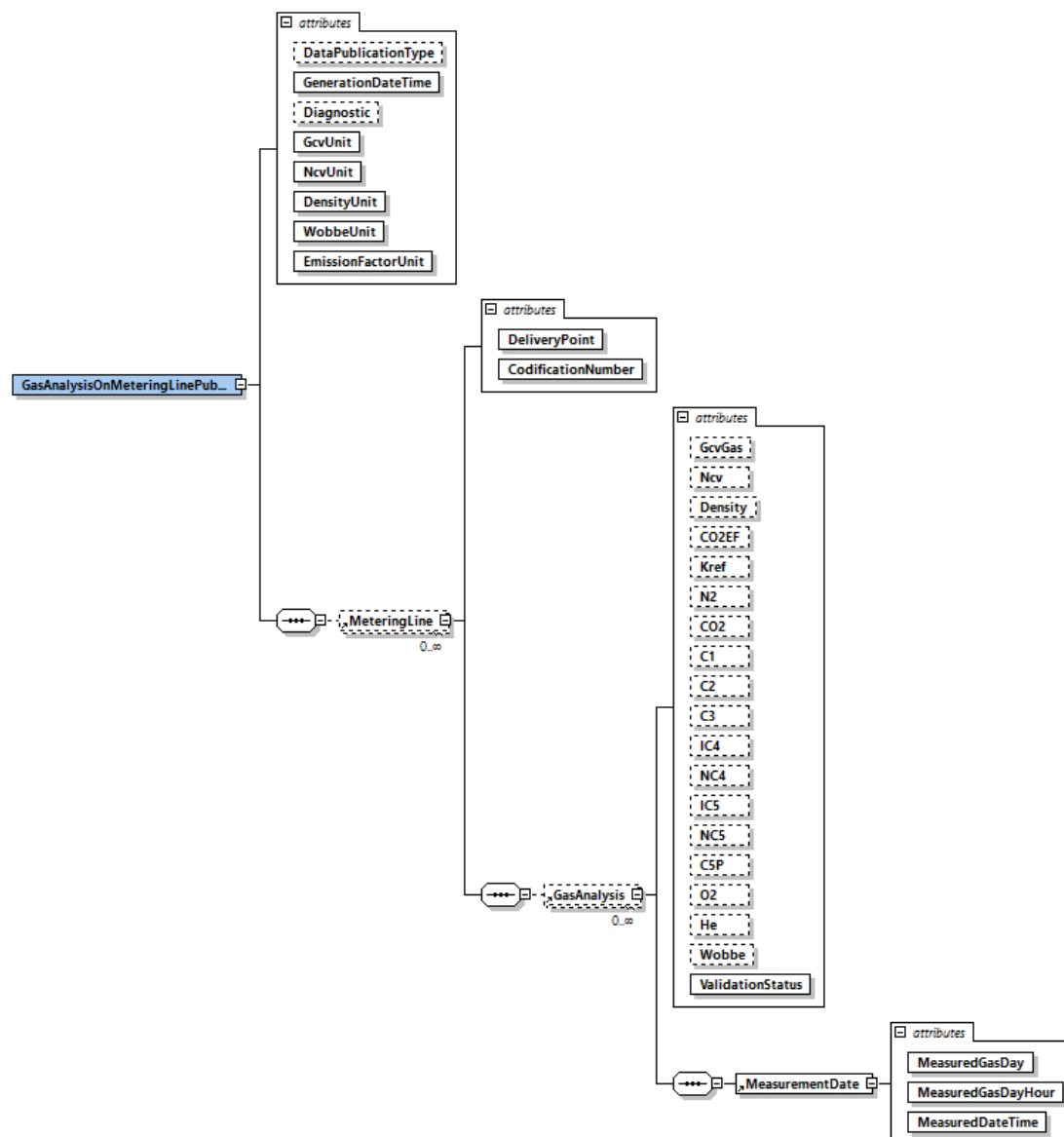
2.4.2.3 *Format types available*

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

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

2.4.3 XML format

2.4.3.1 XSD (new codification)



2.4.3.2 XML snippet

The full XML *sample*, containing data for HourlyGasAnalysisOnMeteringLine 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="2012-06-05T13:16:35" 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="146" CodificationNumber="04100-N02/A/1">
    <GasAnalysis GcvGas="11.32972" Ncv="10.22694" Density="0.77488" CO2EF="56.64696"
Kref="0.89424" N2="1.36660" CO2="0.89173" C1="92.50175" C2="4.58494"
C3="0.42040" IC4="0.13337" NC4="0.06081" IC5="0.02608" NC5="0.01429"
C5P="0.00000" O2="0.00002" He="0.00000" Wobbe="14.63481"
ValidationStatus="Raw">
      <MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="1"
MeasuredDateTime="2012-04-01T04:00:00"/>
    </GasAnalysis>
    <GasAnalysis GcvGas="11.30667" Ncv="10.20566" Density="0.77394" CO2EF="56.64696"
Kref="0.89473" N2="1.45458" CO2="0.85833" C1="92.61807" C2="4.43636"
C3="0.40587" IC4="0.12895" NC4="0.05875" IC5="0.02523" NC5="0.01384"
C5P="0.00000" O2="0.00002" He="0.00000" Wobbe="14.61669"
ValidationStatus="Raw">
      <MeasurementDate MeasuredGasDay="2012-04-01" MeasuredGasDayHour="2"
MeasuredDateTime="2012-04-01T05:00:00"/>
    </GasAnalysis>
  </MeteringLine>
</GasAnalysisOnMeteringLinePublication>
```

2.4.4 CSV format

The full CSV *sample*, containing data for HourlyGasAnalysisOnMeteringLine 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,GasAnalysisMe
ValidationStatus,GasAnalysisMeasurementDateGasDay,GasAnalysisMeasurementDateGasDayHour,GasAnalysisMe
asurementDateMeasuredDateTime
146,04100-
N02,11.477982246575222222222222222222,kWh/m³,10.451535184458805555555555555556,kWh/m³,0.76041078005244
2,kg/m³,15.097152722475000000000000000001,kWh/m³,55.6030314792719,t/TJ,0.893356706745084,mol%,0.2936329
228300,0.94.9605589956500,3.4434759248200,0.8095902297600,0.2622557298700,0.2178040797400,0.0092970
033100,0.0033851140100,0,0,0,Validated,2020-01-01,1,2020-01-01 05:00:00
146,04100-
N02,11.480560693555750000000000000001,kWh/m³,10.453932203536583333333333333334,kWh/m³,0.76056424620795
9,kg/m³,15.09899133507777777777777777779,kWh/m³,55.6059849954182,t/TJ,0.893288928752898,mol%,0.2906218
930900,0.94.9412976340400,3.462426825500,0.8117486128900,0.2629201820200,0.2182172563200,0.00936155
63200,0.0034060398200,0,0,0,Validated,2020-01-01,2,2020-01-01 06:00:00
146,04100-
N02,11.48007118002736111111111111112,kWh/m³,10.453454121682305555555555555556,kWh/m³,0.7604433616501,k
g/m³,15.099553110408333333333333333335,kWh/m³,55.6043071365614,t/TJ,0.893310217179689,mol%,0.284585404
900,0.94.9501055476300,3.4675692680400,0.8071849546300,0.2611651766900,0.2166301144700,0.0093581128
900,0.0034014207500,0,0,0,Validated,2020-01-01,3,2020-01-01 07:00:00
...
```

2.4.5 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 July 2016. The returned file is in XML format.

- HourlyGasAnalysisOnNode

<https://api.gasdata.fluxys.com/TerminalHandler/reports/WebTrack/gasanalysis/meteringline/new/hourly/get?periodfrom=2016-07-01&periodto=2016-07-31>

- DailyGasAnalysisOnNode

<https://api.gasdata.fluxys.com/TerminalHandler/reports/WebTrack/gasanalysis/meteringline/new/daily/get?periodfrom=2016-07-01&periodto=2016-07-31>

2.5 NodeTopology

2.5.1 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>

2.5.2 Parameters

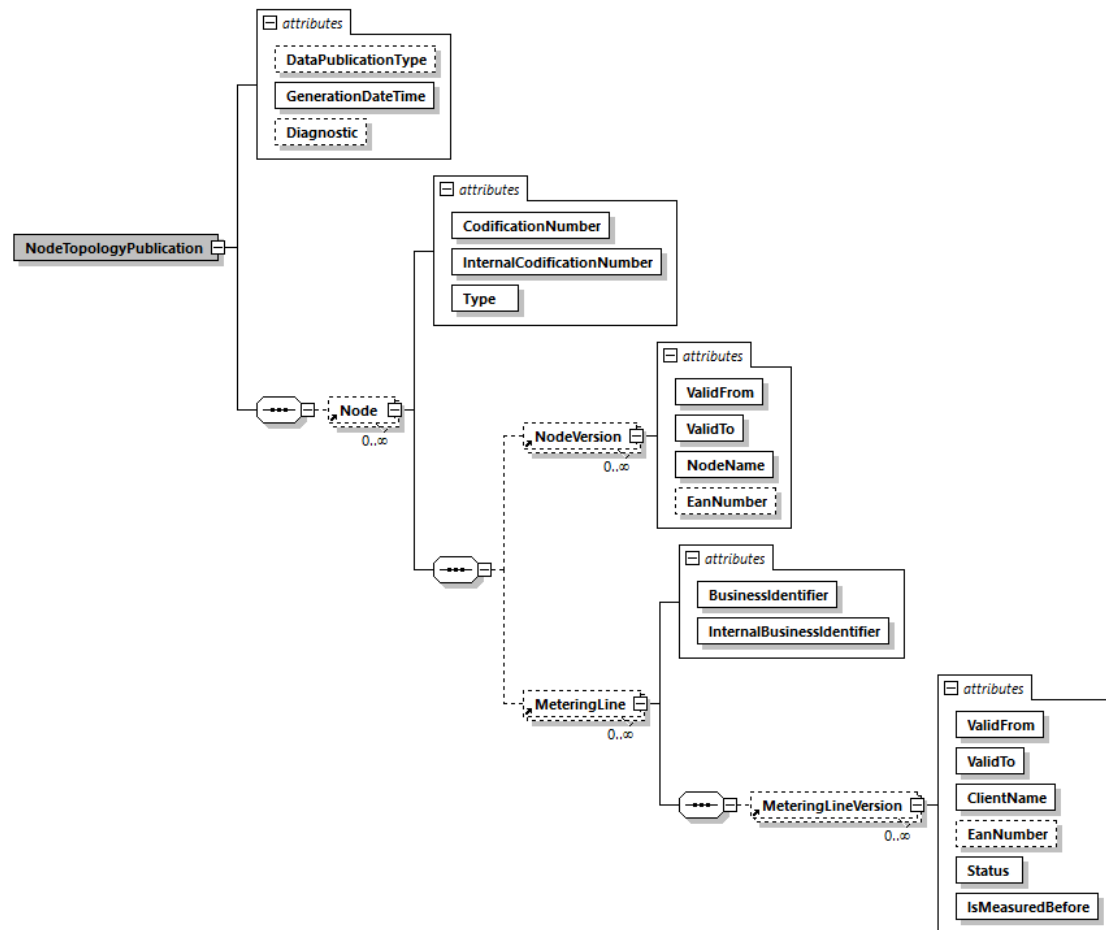
2.5.2.1 Format types available

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

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

2.5.3 XML format

2.5.3.1 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.

2.5.3.2 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="2012-06-05T13:23:34"
Diagnostic="NoError" xmlns="http://extranet.fluxys.net/namespace/dps/NodeTopology">
  <Node CodificationNumber="146" InternalCodificationNumber="04100-N02"
Type="BorderNode">
    <NodeVersion ValidFrom="2007-02-01" ValidTo="2007-03-31"
      NodeName="ZEEBRUGGE TERMINAL 1" EanNumber=""/>
    <NodeVersion ValidFrom="2007-04-01" ValidTo="9999-12-31"
      NodeName="TERMINAL ZEEBRUGGE 1" EanNumber=""/>
    <MeteringLine BusinessIdentifier="146/0" InternalBusinessIdentifier="04100-N02">
      <MeteringLineVersion ValidFrom="2007-02-01" ValidTo="2007-03-31"
        ClientName="" EanNumber="" Status="InOperation" IsMeasuredBefore="false"/>
      <MeteringLineVersion ValidFrom="2007-04-01" ValidTo="9999-12-31"
```



```

      ClientName="" EanNumber="" Status="InOperation" IsMeasuredBefore="false"/>
    </MeteringLine>
  </Node>
  <Node CodificationNumber="148" InternalCodificationNumber="04100-N02"
Type="BorderNode">
    <NodeVersion ValidFrom="2007-04-01" ValidTo="9999-12-31"
      NodeName="TERMINAL ZEEBRUGGE 2" EanNumber=""/>
    <MeteringLine BusinessIdentifier="148/0" InternalBusinessIdentifier="04100-N02">
      <MeteringLineVersion ValidFrom="2007-04-01" ValidTo="9999-12-31"
        ClientName="" EanNumber="" Status="InOperation" IsMeasuredBefore="false"/>
    </MeteringLine>
  </Node>
</NodeTopologyPublication>

```

2.5.4 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
146,04100-N02,BorderNode,ZEEBRUGGE TERMINAL 1,,2007-03-01,2007-03-31,146/0,04100-N02,2007-02-
01,2007-03-31,,,InOperation,No
146,04100-N02,BorderNode,ZEEBRUGGE TERMINAL 1,,2007-04-01,2007-03-31,146/0,04100-N02,2007-04-
01,9999-12-31,,,InOperation,No
146,04100-N02,BorderNode,TERMINAL ZEEBRUGGE 1,,2007-06-01,9999-12-31,146/0,04100-N02,2007-02-
01,2007-03-31,,,InOperation,No
...

```

2.5.5 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/TerminalHandler/reports/WebTrack/nodetopology/get>

2.6 GasExchangeLocationTopology

2.6.1 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/geltopology/get

2.6.2 Parameters

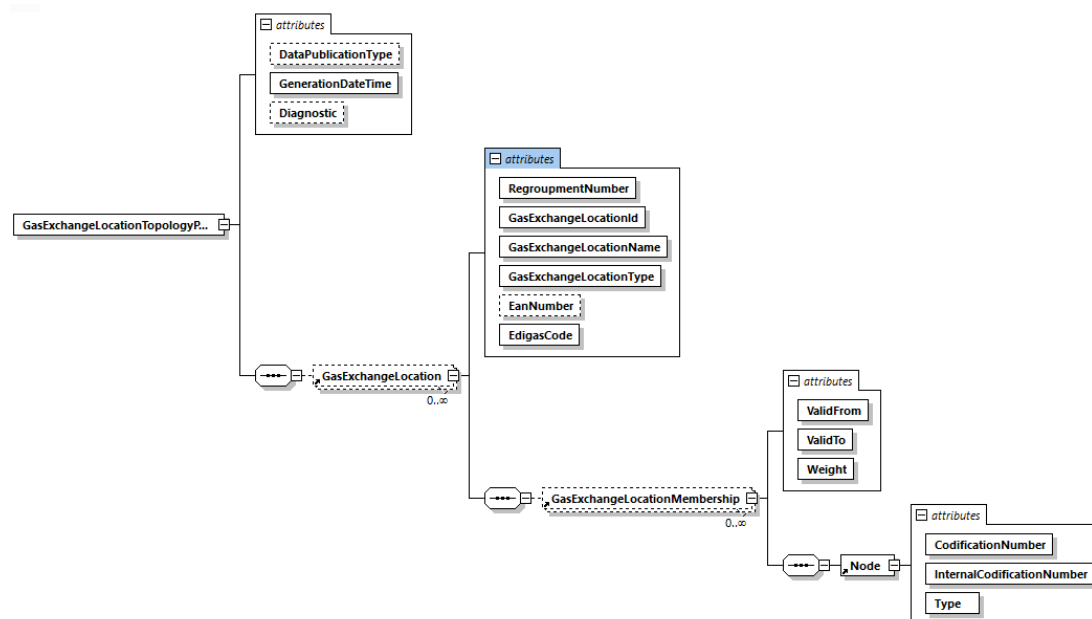
2.6.2.1 Format types available

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

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

2.6.3 XML format

2.6.3.1 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.

2.6.3.2 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="2012-06-05T13:26:59" Diagnostic="NoError"
xmlns="http://extranet.fluxys.net/namespace/dps/GasExchangeLocationTopology">
  <GasExchangeLocation RegroupmentNumber="4856" GasExchangeLocationId="3"
GasExchangeLocationName="Flange" GasExchangeLocationType="BorderPoint"
EanNumber="" EdigasCode="004856">
    <GasExchangeLocationMembership ValidFrom="2007-03-22T05:00:00"
ValidTo="9999-12-31T04:59:59" Weight="1.00000">
      <Node CodificationNumber="146" InternalCodificationNumber="04100-N02"
Type="BorderNode"/>
    </GasExchangeLocationMembership>
    <GasExchangeLocationMembership ValidFrom="2007-07-04T09:00:00"
ValidTo="9999-12-31T04:59:59" Weight="1.00000">
      <Node CodificationNumber="148" Type="BorderNode"/>
    </GasExchangeLocationMembership>
  </GasExchangeLocation>
</GasExchangeLocationTopologyPublication>
```

2.6.4 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
4856,3,Flange,,,004856,2007-03-22 05:00:00,9999-12-31 04:59:59,1,146,04100-N02,BorderNode
4856,3,Flange,,,004856,2007-07-04 09:00:00,9999-12-31 04:59:59,1,148,04100-N03,BorderNode
...
```

2.6.5 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/TerminalHandler/reports/WebTrack/gettopology/get>

2.7 Provisional Hourly Allocation

2.7.1 Description

The provisional hourly allocation describes the allocations based on the hourly measurements, or replacement values in case no measurements are available. These values are expressed in kWh/h.

In normal circumstances the provisional hourly allocations are available within the first half hour following the allocated hour.

Relative URL: </WebTrack/provisionalhourlyallocation/get>

2.7.2 Remarks

Fluxys introduced the unbalanced model for its terminal services on July 1st, 2014. As of that date, allocations are calculated for interconnection points, while before that date allocations were calculated on routes.

2.7.3 Parameters

2.7.3.1 *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.

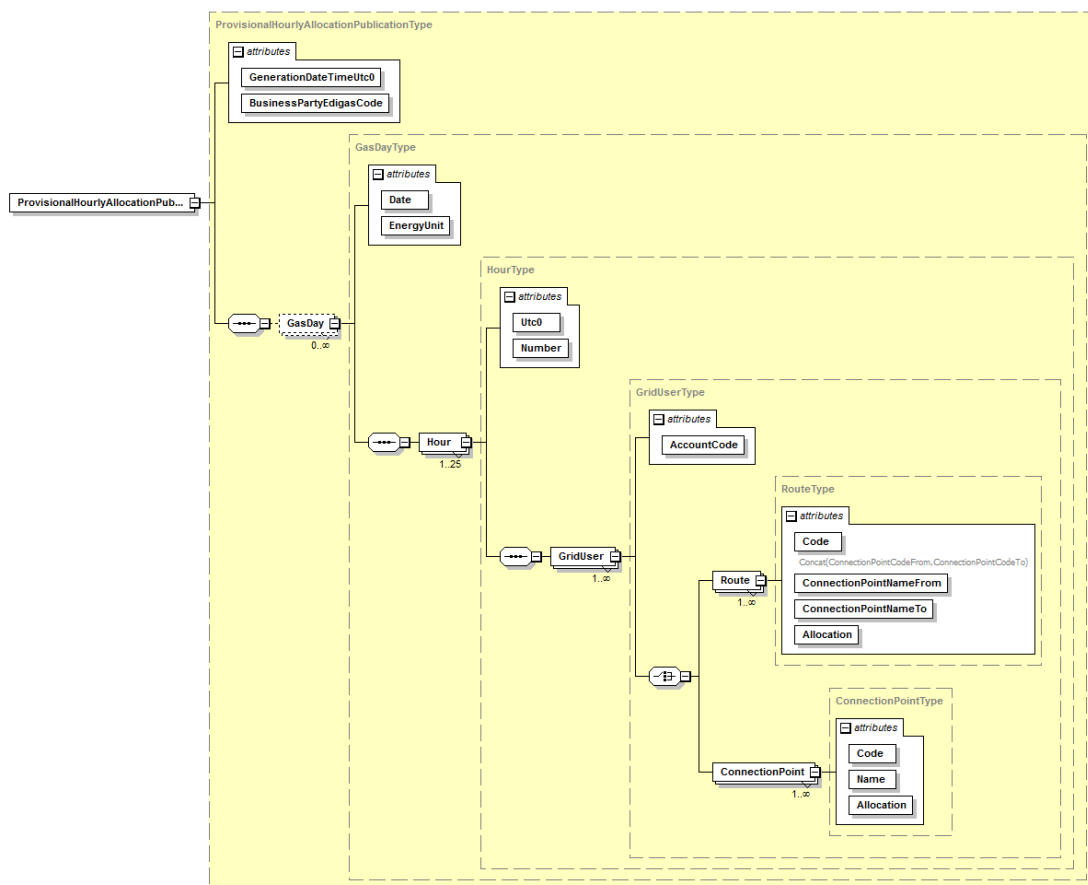
2.7.3.2 *Format types available*

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

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

2.7.4 XML format

2.7.4.1 XSD



2.7.5 Examples

The following HTTP GET request can be used to retrieve the provisional allocations in XML format for October 1st, 2016:

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

Example files in XML or CSV are available in the Implementation Information documentation under Samples > Terminalling > XML Examples or Samples > Terminalling > CSV Examples.

2.8 Gas in Storage

2.8.1 Description

The GIS report allows shippers to keep track of the amount of energy they have in storage in the Fluxys storage installations.

Relative URL: /WebTrack/gasinstorage/get

2.8.2 Parameters

2.8.2.1 *periodfrom – periodto*

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

If periodto is empty than the period is limited to the “period from” day

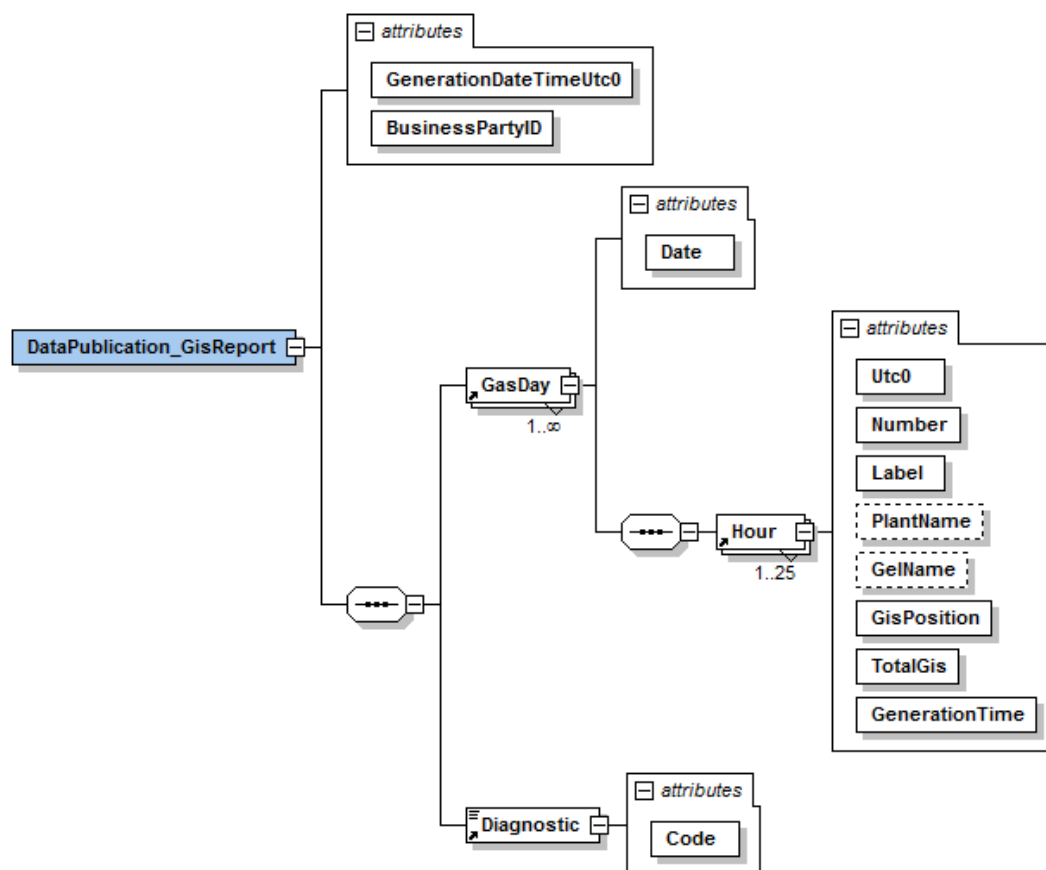
2.8.2.2 *Format types available*

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

- CSV : “text/csv”
- XML : “text/xml”

2.8.3 XML format

2.8.3.1 XSD



2.8.3.2 *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:

```
<DataPublication_GisReport GenerationDateTimeUtc0="2012-06-05T12:25:36"
BusinessPartyID="EDFT" xmlns="http://webtrack.fluxys.net/namespace/dps/GisReport/1.1.0.0">
  <GasDay Date="2012-06-05">
```

```

    <Hour Utc0="2012-06-05T04:00:00" Number="1" Label="06:00 - 07:00"
    PlantName="Zeebrugge"
    GelName="Tank" GisPosition="7047259" TotalGis="1184843207"
    GenerationTime="2012-06-05T07:23:34"/>
    <Hour Utc0="2012-06-05T05:00:00" Number="2" Label="07:00 - 08:00"
    PlantName="Zeebrugge"
    GelName="Tank" GisPosition="7047259" TotalGis="1183141376"
    GenerationTime="2012-06-05T08:10:42"/>
    <Hour Utc0="2012-06-05T06:00:00" Number="3" Label="08:00 - 09:00"
    PlantName="Zeebrugge"
    GelName="Tank" GisPosition="7047259" TotalGis="1181439766"
    GenerationTime="2012-06-05T09:10:34"/>
    ...
  </GasDay>
  ...
  <Diagnostic Code="0"/>
</DataPublication_GisReport>

```

2.8.4 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:

```

GasHourTimeUtc0,GasDay,GasHour,GasHourNumberLabel,PlantName,GelName,GisPosition,TotalGis,GenerationTime
15/04/2022 04:00:00,15/04/2022,1,06:00 - 07:00,Zeebrugge,Tank,367332881,953049448,15/04/2022 07:13:28
15/04/2022 05:00:00,15/04/2022,2,07:00 - 08:00,Zeebrugge,Tank,367332881,953049448,15/04/2022 08:13:47
15/04/2022 06:00:00,15/04/2022,3,08:00 - 09:00,Zeebrugge,Tank,367332881,953049448,15/04/2022 09:13:27
...

```

2.8.5 Example URL

Get the last available 'Gas In Storage report'.

<https://api.gasdata.fluxys.com/TerminalHandler/reports/WebTrack/gasinstorage/get>

2.9 Allocation details

2.9.1 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: SAP Export Version Number).

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 (with the Api Getaway method) : [/WebTrack/invanx/get](#)

2.9.2 Parameters

2.9.2.1 invoicedate

The Allocation Details Invoicing Date (Document Date). The date must be formatted using the format YYYYMMDD.

Example: 20051115 (invoicing date is 15/11/2005)

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

2.9.2.2 *sapversion*

The Monthly Details Version Number (formerly SAP Export Version Number). The format for the version number is YYYYMMVVV, with:

- YYYYMM: supply year and month
- VVVV version number

Example: 2005090003

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

2.9.2.3 *annextype*

The 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 values are available:

- **DP102:** CapacityAllocation
- **DP103:** SteeringHourlyExceeding
- **DP104:** SteeringDailyExceeding
- **DP105:** ValidatedGISAccount
- **DP106:** ValidatedAllocations

2.9.2.4 *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

CSVzip: in all other cases

This parameter is always mandatory.

2.9.3 Examples

The following HTTP GET request can be used to retrieve the validated allocations compressed in ZIP format for the date of April 27, 2016:

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

The following request can be used to retrieve the SteeringHourlyExceeding in CSV format:

Api Getaway Download

<https://api.gasdata.fluxys.com/TerminalHandler/reports/WebTrack/invanx/get?sapversion=2012030001&annextype=DP103>

Example files in XML or CSV format are available in the Implementation Information documentation under Samples > Terminalling > XML Examples or Samples > Terminalling > CSV Examples.

3. Terminal specific reports

3.1 Planned Maintenance

3.1.1 Description

Shows the Planned Maintenance for the selected year.

Relative URL (with the Api Getaway method) : </plannedmaintenance/get>

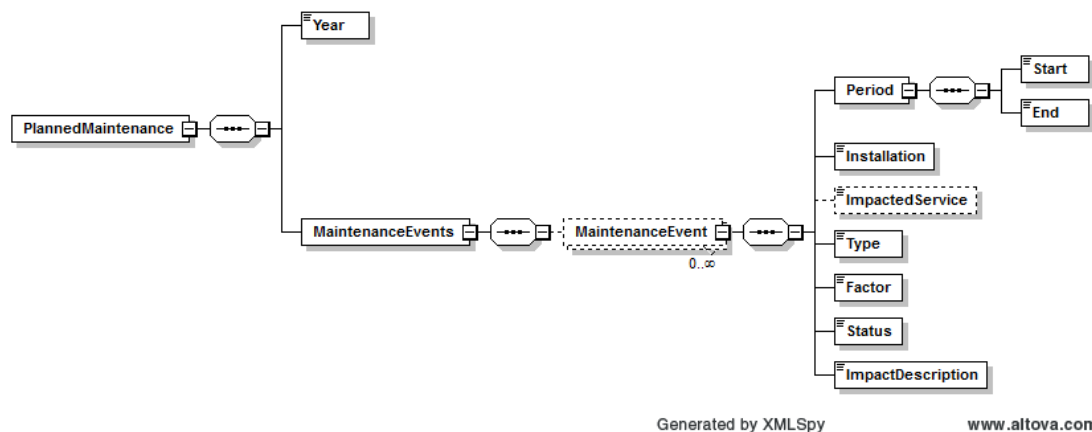
3.1.2 Parameters

3.1.2.1 *contractYear*

This is the year for which data is retrieved. A year is expressed in YYYY format.

3.1.3 XML format

3.1.3.1 XSD



3.1.3.2 XML snippet

The full XML *sample*, containing the planned maintenance information for the year 2010, can be found in the XML folder on the Fluxys website.

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

```
<PlannedMaintenance xmlns="http://www.fluxyslng.net/PlannedMaintenance">
  <Year>2010</Year>
  <MaintenanceEvents>
    <MaintenanceEvent>
      <Period>
        <Start>2010-09-25T05:00:00</Start>
        <End>2010-10-02T23:00:00</End>
      </Period>
      <Installation>LngTerminalZeebrugge</Installation>
      <ImpactedService>SendOut</ImpactedService>
      <Type>MediumTerm</Type>
      <Factor>41</Factor>
      <Status>Past</Status>
      <ImpactDescription>Limited Send Out</ImpactDescription>
    </MaintenanceEvent>
  </MaintenanceEvents>
</PlannedMaintenance>
```


3.1.4 Example URL

The following URL can be used to download the planned maintenance information for the year 2016

<https://api.gasdata.fluxys.com/TerminalHandler/reports/plannedmaintenance/get?contractYear=2018>

3.2 GIS (Metering)

3.2.1 Description

Shows the GIS account metering information for the selected gasday range.

Relative URL : </gis/get>

3.2.2 Parameters

3.2.2.1 *periodfrom – periodto*

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

The range must be smaller than 31 days.

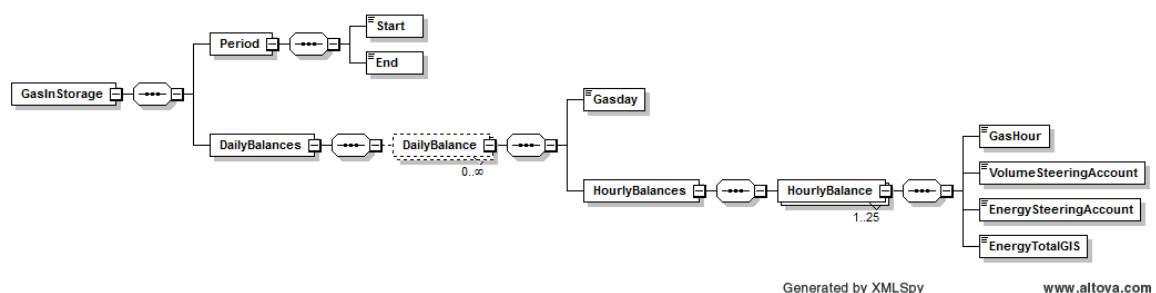
3.2.2.2 *Format types available*

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

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

3.2.3 XML format

3.2.3.1 XSD



3.2.3.2 *XML snippet*

The full XML *sample*, containing the GIS account information can be found in the XML folder on the Fluxys website.

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

```
<GasInStorage xmlns="http://www.fluxyslng.net/GasInStorage">
  <Period>
    <Start>2012-01-15</Start>
    <End>2012-01-16</End>
  </Period>
  <DailyBalances>
    <DailyBalance>
      <Gasday>2012-01-15</Gasday>
      <HourlyBalances>
        <HourlyBalance>
```

```

<GasHour>1</GasHour>
<VolumeSteeringAccount>204229.48859286936337421028425</VolumeSteeringAccount>
<EnergySteeringAccount>1364933292.732435083888902384</EnergySteeringAccount>
<EnergyTotalGIS>2416177305.9984197625812444581</EnergyTotalGIS>
</HourlyBalance>
<HourlyBalance>
<GasHour>2</GasHour>
<VolumeSteeringAccount>203964.15230578358243331980052</VolumeSteeringAccount>
<EnergySteeringAccount>1363164161.7492869568027912729</EnergySteeringAccount>
<EnergyTotalGIS>2412701962.9072716354951333470</EnergyTotalGIS>
</HourlyBalance>
...
</HourlyBalances>
</DailyBalance>
...
</DailyBalances>
</GasInStorage>

```

3.2.4 Example URL

The following URL can be used to download the GIS account information for 2 gasdays

<https://api.gasdata.fluxys.com/TerminalHandler/reports/gis/get?periodfrom=2018-01-15&periodto=2018-01-16>

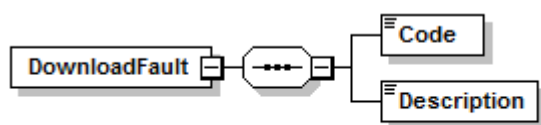
3.3 Error

3.3.1 Description

If no data is available, if there is an error with the date range or the format of the parameter is not as expected, an error xml will be generated.

3.3.2 XML format

3.3.2.1 XSD



Generated by XMLSpy

www.altova.com

3.3.2.2 XML snippet

```

<DownloadFault xmlns="http://www.fluxyslng.net/DownloadFault">
  <Code>2</Code>
  <Description>The specified period must fall between the start of the current year and the end of the
next year</Description>
</DownloadFault>

```

4. Electronic Data Platform: Manual Downloads

4.1 Invoices

The invoices describes the monthly invoices for the LNG services on the Fluxys terminals.

The following invoices are available for the LNG services:

- Invoice : pdf / xml file
- Invoice Appendix : pdf / xml file (only in xml file as from 01/2023)
- Invoice detail: xml file (available as from 01/2023)

5. Truck Company Reports

The following reports are only accessible by truck companies.

5.1 *Truck Loading Slots & Appointments Report*

5.1.1 Description

Show the truck loading slots and appointment schedulings for truck companies. Including:

- the free slots
- the information of the booked slots by the truck company

Relative URL: </slotschedules/search>

5.1.2 Parameters

5.1.2.1 *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.

5.1.2.2 *status*

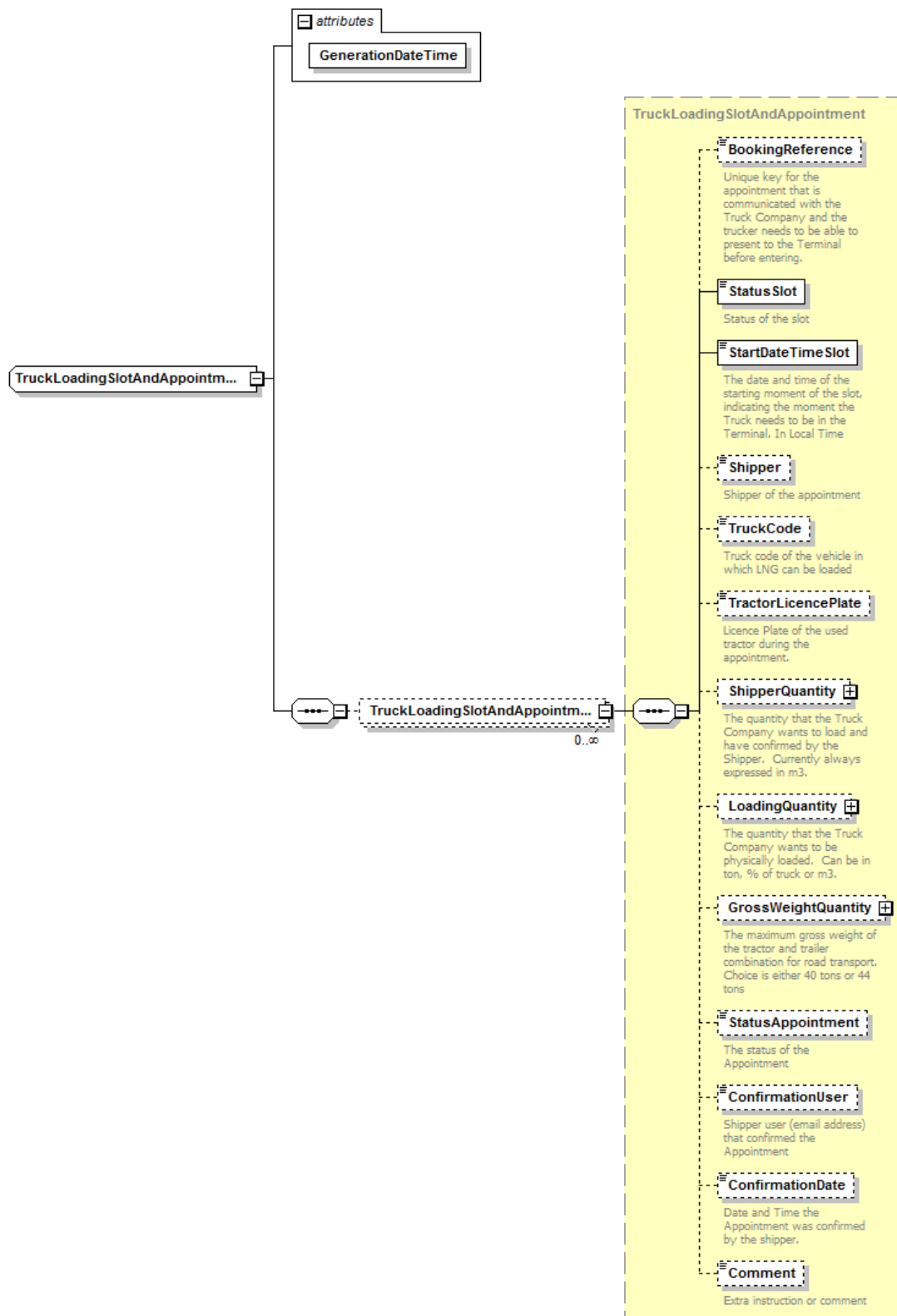
Status of the slot :

- Booked
- Free

Optional parameter

5.1.3 XML format

5.1.3.1 XSD



Generated by XMLSpy

www.altova.com

5.1.3.2 XML snippet

The full XML *sample*, containing the truck slots & appointment schedulings, can be found in the XML folder on the Fluxys website.

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

```
<TruckLoadingSlotAndAppointmentPublication>
  <TruckLoadingSlotAndAppointment>
    <StatusSlot>Unavailable</StatusSlot>
    <StartDateTimeSlot>2016-05-09T06:00:00+02:00</StartDateTimeSlot>
  </TruckLoadingSlotAndAppointment>
  <TruckLoadingSlotAndAppointment>
    <StatusSlot>Free</StatusSlot>
    <StartDateTimeSlot>2016-05-09T07:30:00+02:00</StartDateTimeSlot>
  </TruckLoadingSlotAndAppointment>
  <TruckLoadingSlotAndAppointment>
    <StatusSlot>Free</StatusSlot>
    <StartDateTimeSlot>2016-05-09T09:00:00+02:00</StartDateTimeSlot>
  </TruckLoadingSlotAndAppointment>
  <TruckLoadingSlotAndAppointment>
    <StatusSlot>Unavailable</StatusSlot>
    <StartDateTimeSlot>2016-05-09T10:30:00+02:00</StartDateTimeSlot>
  </TruckLoadingSlotAndAppointment>
  <TruckLoadingSlotAndAppointment>
    <BookingReference>SZTQYH18</BookingReference>
    <StatusSlot>Booked</StatusSlot>
    <StartDateTimeSlot>2016-05-09T12:00:00+02:00</StartDateTimeSlot>
    <Shipper>ShipperName</Shipper>
    <TruckCode>CH-Z784</TruckCode>
    <TractorLicencePlate>1-TRE-487</TractorLicencePlate>
    <ShipperQuantity QuantityValue="60" QuantityUnit="m3(LNG)"/>
    <LoadingQuantity QuantityValue="88" QuantityUnit="percent"/>
    <GrossWeightQuantity QuantityValue="44" QuantityUnit="t"/>
    <StatusAppointment>Completed</StatusAppointment>
    <ConfirmationUser>info@mail.com</ConfirmationUser>
    <ConfirmationDate>2016-03-03T09:30:47+02:00</ConfirmationDate>
    <Comment>fill any comment here</Comment>
  </TruckLoadingSlotAndAppointment>
</TruckLoadingSlotAndAppointmentPublication>
```

5.1.4 Example URL

After authentication, this example URL may be used to download the free slots available on 12/05/2018.

<https://api.gasdata.fluxys.com/TerminalHandler/reports/slotschedules/get?periodfrom=2018-05-12&periodto=2018-05-12&status=Free>

6. Former Sedna reports

The download URL could be used by a client application for automatically downloading capacities, availabilities or scheduling information. Information is only available in XML format.

The URL is

[https://gasdata.fluxys.com/Sedna/Download.aspx?\[AuthenticationParameters\]\[OtherParameters\]](https://gasdata.fluxys.com/Sedna/Download.aspx?[AuthenticationParameters][OtherParameters])

Those reports are only available through the basic authentication method.

6.1 AMS

6.1.1 Description

Shows the available monthly slots data for all months in the selected year.

6.1.2 Parameters

6.1.1 Description

Shows the available monthly slots data for all months in the selected year.

6.1.2 Parameters

6.1.2.1 *Usr*

The user account of the Automatic Download Agent user

6.1.2.2 *Pwd*

The password of the Automatic Download Agent user

6.1.2.3 *Type*

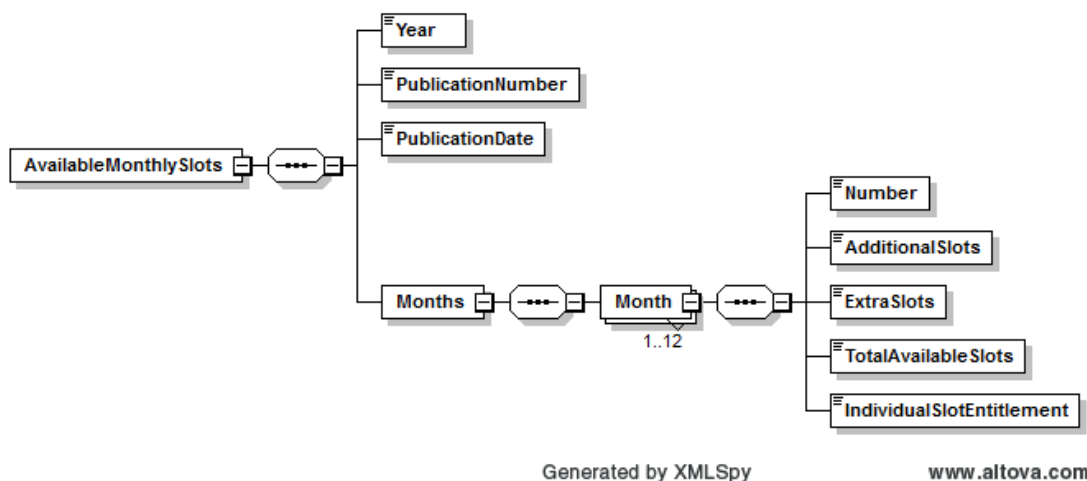
AMS

6.1.2.4 *Year*

This is the year for which data is retrieved. A year is expressed in YYYY format.

6.1.3 XML format

6.1.3.1 XSD



6.1.3.2 XML snippet

The full XML *sample*, containing data for Available Monthly Slots for the year 2007, can be found in the XML folder on the Fluxys website.

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

```
<AvailableMonthlySlots xmlns="http://www.fluxysIng.net/AvailableMonthlySlots">
  <Year>2007</Year>
  <PublicationNumber>8</PublicationNumber>
  <PublicationDate>2007-10-25</PublicationDate>
  <Months>
    <Month>
      <Number>1</Number>
```

```

<AdditionalSlots>0</AdditionalSlots>
<ExtraSlots>0</ExtraSlots>
<TotalAvailableSlots>0</TotalAvailableSlots>
<IndividualSlotEntitlement>0</IndividualSlotEntitlement>
</Month>
<Month>
  <Number>2</Number>
  <AdditionalSlots>0</AdditionalSlots>
  <ExtraSlots>0</ExtraSlots>
  <TotalAvailableSlots>0</TotalAvailableSlots>
  <IndividualSlotEntitlement>0</IndividualSlotEntitlement>
</Month>
...
</Months>
</AvailableMonthlySlots>

```

6.1.4 Example URL

After authentication, this example URL may be used to download the ams report for the year 2020.

<https://gasdata.fluxys.com/Sedna/Download.aspx?Usr=User&Pwd=Password&Type=AMS&Year=2020>

6.2 IBS

6.2.1 Description

Shows the Indicative Berthing Schedule for the selected year.

6.2.2 Parameters

6.2.2.1 Usr

The user account of the Automatic Download Agent user

6.2.2.2 Pwd

The password of the Automatic Download Agent user

6.2.2.3 Type

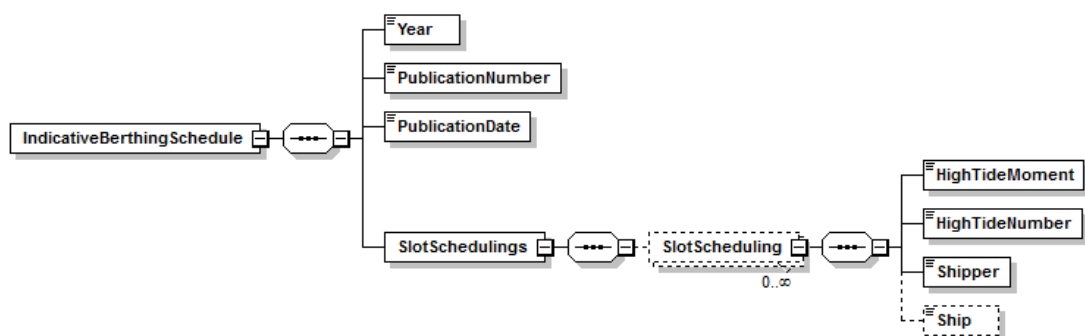
IBS

6.2.2.4 Year

This is the year for which data is retrieved. A year is expressed in YYYY format.

6.2.3 XML format

6.2.3.1 XSD



Generated by XMLSpy

www.altova.com

6.2.3.2 XML snippet

The full XML *sample*, containing data for Indicative Berthing Schedule for the year 2007, can be found in the XML folder on the Fluxys website.

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

```
<IndicativeBerthingSchedule xmlns="http://www.fluxyslng.net/IndicativeBerthingSchedule">
  <Year>2007</Year>
  <PublicationNumber>3</PublicationNumber>
  <PublicationDate>2007-10-30</PublicationDate>
  <SlotSchedulings>
    <SlotScheduling>
      <HighTideMoment>2007-04-01T13:15:00</HighTideMoment>
      <HighTideNumber>175</HighTideNumber>
      <Shipper>ABC</Shipper>
      <Ship />
    </SlotScheduling>
    <SlotScheduling>
      <HighTideMoment>2007-04-07T03:50:00</HighTideMoment>
      <HighTideNumber>186</HighTideNumber>
      <Shipper>XYZ</Shipper>
    </SlotScheduling>
    ...
  </SlotSchedulings>
</IndicativeBerthingSchedule>
```

6.2.4 Example URL

After authentication, this example URL may be used to download the ibs report for the year 2020.

<https://gasdata.fluxys.com/Sedna/Download.aspx?Usr=User&Pwd=Password&Type=IBS&Year=2020>

6.3 RBS

6.3.1 Description

Shows the Rolling Berthing Schedule for the selected year.

Relative URL: /rbs/get

6.3.2 Parameters

6.3.2.1 Usr

The user account of the Automatic Download Agent user

6.3.2.2 Pwd

The password of the Automatic Download Agent user

6.3.2.3 Type

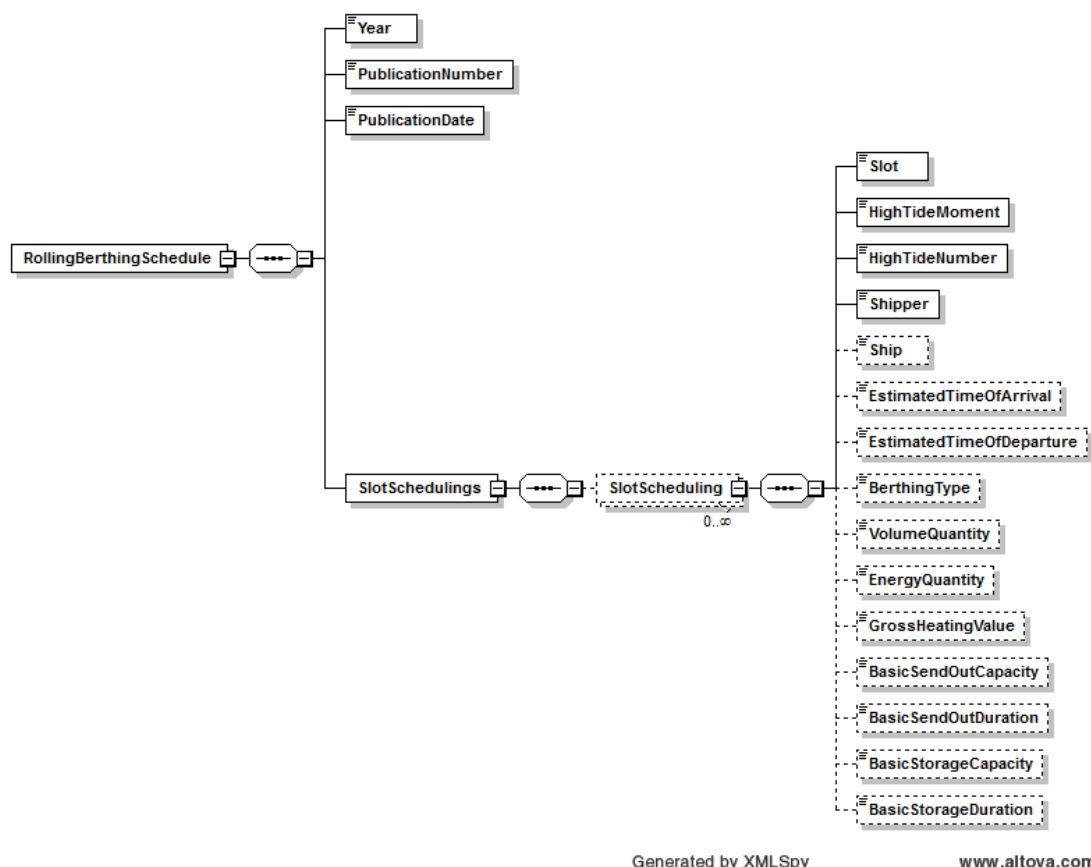
RBS

6.3.2.4 Year

This is the year for which data is retrieved. A year is expressed in YYYY format.

6.3.3 XML format

6.3.3.1 XSD



6.3.3.2 XML snippet

The full XML *sample*, containing data for Rolling Berthing Schedule for the year 2007, can be found in the XML folder on the Fluxys website.

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

```
<RollingBerthingSchedule xmlns="http://www.fluxysing.net/RollingBerthingSchedule">
  <Year>2007</Year>
  <PublicationNumber>26</PublicationNumber>
  <PublicationDate>2007-11-20</PublicationDate>
  <SlotSchedulings>
    <SlotScheduling>
      <Slot>1</Slot>
      <HighTideMoment>2007-04-01T13:15:00</HighTideMoment>
      <HighTideNumber>175</HighTideNumber>
      <Shipper>ABC</Shipper>
      <Ship>CargoX</Ship>
      <EstimatedTimeOfArrival>2007-04-01T07:15:00</EstimatedTimeOfArrival>
      <EstimatedTimeOfDeparture>2007-04-02T13:15:00</EstimatedTimeOfDeparture>
      <BerthingType>Unloading</BerthingType>
      <VolumeQuantity>128338</VolumeQuantity>
      <EnergyQuantity>894000000</EnergyQuantity>
      <GrossHeatingValue>6966</GrossHeatingValue>
      <BasicSendOutCapacity>4200</BasicSendOutCapacity>
      <BasicSendOutDuration>246</BasicSendOutDuration>
      <BasicStorageCapacity>140000</BasicStorageCapacity>
      <BasicStorageDuration>246</BasicStorageDuration>
    </SlotScheduling>
  </SlotSchedulings>
</RollingBerthingSchedule>
```

```
</SlotSchedulings>  
</RollingBerthingSchedule>
```

6.3.4 Example URL

After authentication, this example URL may be used to download the rbs report for the year 2020.

<https://gasdata.fluxys.com/Sedna/Download.aspx?Usr=User&Pwd=Password&Type=RBS&Year=2020>

6.4 Berthing Schedule

6.4.1 Description

Shows the Berthing Schedule for the selected gasday range. The timesheet is included for the own slots (in gasday range).

This report is downloadable via the Api Gateway , once the authentication token is retrieved.

Base URL: <https://api.gasdata.fluxys.com/TerminalHandler/reports/bs/get>

6.4.2 Parameters

6.4.2.1 *periodfrom – periodto*

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

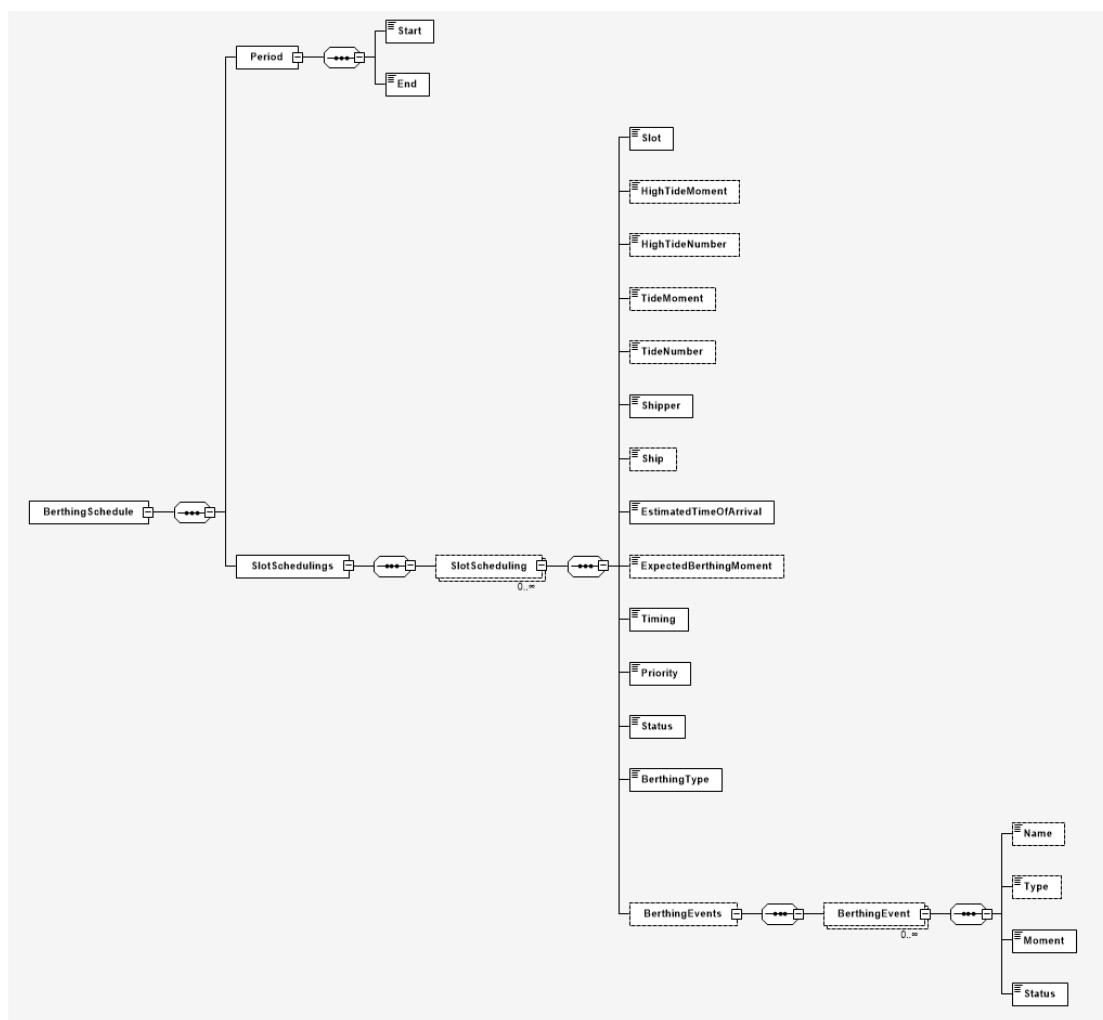
6.4.2.2 *Format types available*

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

- CSV : “*text/csv*”
- XML : “*text/xml*”

6.4.3 XML format

6.4.3.1 XSD



6.4.3.2 XML snippet

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

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

```

<BerthingSchedule xmlns="http://www.fluxyslng.net/BerthingSchedule">
  <Period>
    <Start>2012-01-01</Start>
    <End>2012-01-10</End>
  </Period>
  <SlotSchedulings>
    <SlotScheduling>
      <Slot>2012-1</Slot>
      <TideMoment>2012-01-02T07:38:00</TideMoment>
      <TideNumber>5</TideNumber>
      <Shipper>ABC</Shipper>
      <Ship>CargoX</Ship>
      <EstimatedTimeOfArrival>2012-01-02T01:38:00</EstimatedTimeOfArrival>
      <ExpectedBerthingMoment>2012-01-02T06:00:00</ExpectedBerthingMoment>
      <Timing>Early</Timing>
      <Priority>1</Priority>
      <Status>Departed</Status>
      <BerthingType>Unloading</BerthingType>
      <BerthingEvents>
        <BerthingEvent>
          <Name>ArrivedAtPbs</Name>
          <Moment>2012-01-02T01:38:00</Moment>
        </BerthingEvent>
      </BerthingEvents>
    </SlotScheduling>
  </SlotSchedulings>
</BerthingSchedule>
  
```

```

    <Status>Expected</Status>
  </BerthingEvent>
  <BerthingEvent>
    <Type>NorTendered</Type>
    <Moment>2012-01-02T01:38:00</Moment>
    <Status>Validated</Status>
  </BerthingEvent>
  ...
</BerthingEvents>
</SlotScheduling>
<SlotScheduling>
  <Slot>2012-2</Slot>
  <TideMoment>2012-01-05T10:58:00</TideMoment>
  <TideNumber>17</TideNumber>
  <Shipper>XYZ</Shipper>
  <EstimatedTimeOfArrival>2012-01-06T18:18:00</EstimatedTimeOfArrival>
  <Timing>PushBack</Timing>
  <Priority>2</Priority>
  <Status>Departed</Status>
  <BerthingType>Unloading</BerthingType>
</SlotScheduling>
...
</SlotSchedulings>
</BerthingSchedule>

```

6.4.4 Example URL

After authentication, this example URL may be used to download the berthing schedules between 12/03/2017 and 15/03/2017.

<https://api.gasdata.fluxys.com/TerminalHandler/reports/ams/get?periodfrom=2017-03-12&periodto=2017-03-15>

6.5 Capacities

6.5.1 Description

Shows the

- Send-out Rights
- Storage Rights
- Available Send-out or
- Available Storage

depending on the selected capacity type and for a selected period or gasday.

6.5.2 Parameters

6.5.2.1 *Usr*

The user account of the Automatic Download Agent user

6.5.2.2 *Pwd*

The password of the Automatic Download Agent user

6.5.2.3 *Type*

Capacities

6.5.2.4 *Capttype*

- SendOut
- Storage
- AvailableSendOut

- AvailableStorage

6.5.2.5 Start – End / Gasday

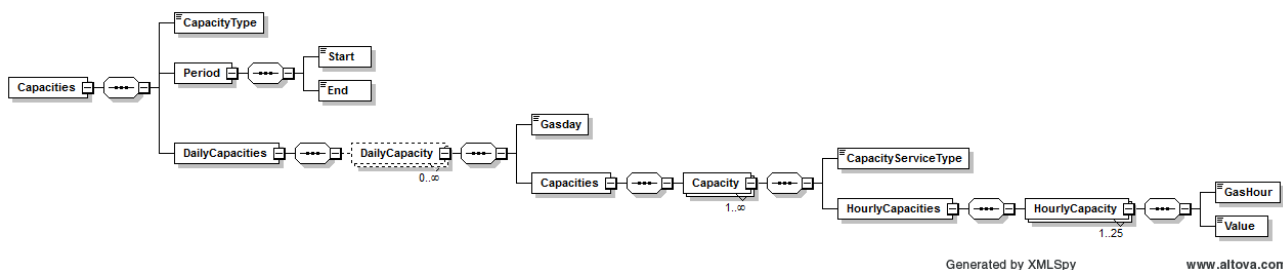
The four reports can be requested for a gasday range, denoted by start and end parameters. “Start” must be a day in the current year and “end” must be a day \geq “start” and in either current or next year.

Available SendOut and AvailableStorage can also be requested for a gasday.

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

6.5.3 XML format

6.5.3.1 XSD



6.5.3.2 XML snippet

The full XML *sample*, containing data for send-out rights can be found in the XML folder on the Fluxys website.

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

```
<Capacities xmlns="http://www.fluxyslng.net/Capacities">
  <CapacityType>SendOut</CapacityType>
  <Period>
    <Start>2012-01-15</Start>
    <End>2012-01-16</End>
  </Period>
  <DailyCapacities>
    <DailyCapacity>
      <Gasday>2012-01-15</Gasday>
      <Capacities>
        <Capacity>
          <CapacityServiceType>Additional</CapacityServiceType>
          <HourlyCapacities>
            <HourlyCapacity>
              <GasHour>1</GasHour>
              <Value>1377600</Value>
            </HourlyCapacity>
            <HourlyCapacity>
              <GasHour>2</GasHour>
              <Value>1377600</Value>
            </HourlyCapacity>
            ...
          </HourlyCapacities>
        </Capacity>
        <Capacity>
          <CapacityServiceType>Basic</CapacityServiceType>
          <HourlyCapacities>
            <HourlyCapacity>
              <GasHour>1</GasHour>
              <Value>4200000</Value>
            </HourlyCapacity>
            ...
          </HourlyCapacities>
        </Capacity>
      </Capacities>
    </DailyCapacity>
  </DailyCapacities>
</Capacities>
```

```
...
</Capacity>
...
</Capacities>
</DailyCapacity>
...
</DailyCapacities>
</Capacities>
```

6.5.4 Example URL

The following URL can be used to download the Send Out rights for a selected gasday range.

<https://gasdata.fluxys.com/Sedna/Download.aspx?Usr=User&Pwd=Password&Type=Capacities&captype=SendOut&start=2007-01-15&end=2007-01-16>

This URL shows the selection of a single gasday for Available Storage

<https://gasdata.fluxys.com/Sedna/Download.aspx?Usr=User&Pwd=Password&Type=Capacities&captype=AvailableStorage&gasday=2007-01-16>