



GTS Information Services for Shipper / PV

Operational Portfolio Networkpoints
Analysis Portfolio Networkpoints
Operational Allocations
Operational Accountable Allocations
Analysis Accountable Near Real Time Allocations
Analysis Accountable Offline Allocations
Analysis Accountable Offline Imbalance
Analysis Accountable Networkpoint RestAllocations
Analysis Monthly Summaries
Operational LDC Networkpoint Measurements
Operational Prognosis POS
Operational Accountable POS
Analysis Accountable POS
Operational Prognosis SBS
Operational Accountable SBS
Analysis Accountable SBS
Operational Damping Parameters
Analysis Damping Parameters
Operational Bufferzones
Analysis Bufferzones
Operational Allocations Per Quality Label

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Version	Date	Changes
1.0	26/05/2011	Setup document. This document is an extract of all services intended for Shipper / PV from the documents: GTS InformationServices R1 v1.6, GTS InformationServices R2 v1.2, GTS InformationServices OperationalBidPriceLadder v1.0, GTS InformationServices OperationalExternalAllocations v1.0 EDSN: Information Exchange POS and SBS version 1.3
1.1	27/09/2011	Number of digits for Counters changed in paragraph 1.3 Measurement type Added error 51122 to Appendix A Error Codes
1.2	10/07/2012	New service 'OperationalAllocationsPerQualityLabel'Number of digits for Counters changed in paragraph 1.3 Measurement type Added error 51122 to Appendix A Error Codes
1.3	16/05/2013	Some minor textual adjustments made in paragraph '1.1 About this document'.
1.4	09/01/2014	The following web services are deprecated: Operational Call Correction Factor, Analysis Call Correction Factor, Operational Incentive Component, Analysis Incentive Component and Operational Bid Price Ladder. Also, some minor textual adjustments are made in chapter 18 Operational Damping Parameters and 19 Analysis Damping Parameters regarding Beta value.
1.5	09/07/2014	Additional user category "GMN" has been added in the class diagrams for: - Operational Allocations - Operational Accountable Allocations - Analysis Accountable Near Real Time Allocations - Analysis Accountable Offline Allocations
1.6	06/02/2015	The following paragraphs are updated: 1.1 About this document: minor textual update 1.2 Basic assumptions: the assumptions described in more detail 1.3 Measurement types updated: minor textual update 2.1, 12.1, 13.1, 15.1 and 16.1 Class diagram: minor textual update - Appendix A Error codes: unused error codes depreciated and a few described in more detail.

Abbreviations

Abbreviation	Explanation
CET	Central European Time (= UTC+1)
EDSN	Energie Data Services Nederland
GOS	Gasontvangststation (gas receive station)
GTS	Gasunie Transport Services
GU	N.V. Nederlandse Gasunie
IN	Information Contract
LDC (RNB)	Local Distribution Company (Regionaal Netbeheerder)
NRT	Near Real Time
POS	Portfolio Onbalans Signaal (portfolio imbalance signal)
PRP	Program Responsible Party
PTV	Pressure Temperature Volume
SBS	Systeem Balans Signaal (system balance signal)
SO	System Operator, for the Netherlands this is GTS
SU	Supplier Contract
TR	Transport Contract
TZD	Time Zone Designator (Z or +hh:mm or -hh:mm)
UTC	Universal Time Coordinated
UUID	Universally Unique Identifier
XSD	XML Schema Definition

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1 Introduction

1.1 About this document

Gasunie Transport Service (GTS), as part of N.V. Nederlandse Gasunie (GU), provides information to the market parties.

This information is made available as GTS Information Services. The GTS Information Services are deployed as web services. This document is intended for the business specialists.

In case of any questions please refer first to "B2B - Frequently Asked Questions" document which can be found on the GTS website.

1.2 Basic assumptions

This section lists the basic assumptions that are defined for all GTS Information Services:

1. the identification (MessageID) of XML messages is done by means of Universally Unique Identifier¹ (UUID). The MessageID should follow the XSD of the message. Not every character can be used in the message-id (only 0-9, a-f and A-F are allowed). The characters in the message-id are 5 groups separated by a hyphen (-), e.g. f81d4fae-7dec-11d0-a765-00A0c91e6bf6. Normally, with every request a new MessageID has to be generated as they are unique. For generating a UUID for all platforms and languages functions to create them are available on the web;
2. recognizing (portfolios of) market parties is done by means of:
 - a. Edigas code (PortfolioEdigasID) for PRP, e.g. GSxxxxx²
 - b. Portfolio identifier (PortfolioID) for connected parties, e.g. 5000011111
 - c. Portfolio EAN identifier (PortfolioEANID) for connected parties, e.g. 50000000111111

For details concerning the use of identifiers, see the detailed message definitions in the following chapters;

3. the identification of network points is be done by means of:
 - a. Network point identifier (NetworkpointID), e.g. 300123
 - b. Network point Edigas code (NetworkpointEdigasID), e.g. ZELZA1;
4. the standard (and sole) unit for exchanging Energy data is kWh;
5. an entry amount is depicted with a negative ("-") sign, e.g. -100 means 100 entry;
6. an exit amount is depicted without a sign, e.g. 100 means 100 exit;
7. the sign convention for a balance signal is as follows:
 - a. a negative imbalance amount (e.g. -15) means that a party has realised 15 more entry than exit. In other words: the party should have had 15 more exit or 15 less entry to be in balance (i.e. Long);
 - b. a positive imbalance amount (e.g. 80) means that a party has 80 more exit than entry. In other words: the party should have had 80 more entry or 80 less exit (i.e. Short);
8. time is always in CET (=UTC+1) and formatted as specified in the W3C Date and Time Formats (an ISO 8601 Profile): YYYY-MM-DDThh:mm:ssTZD. CET is being used during

¹ For more information see: <http://www.ietf.org/> AND http://en.wikipedia.org/wiki/Universally_unique_identifier

² Where 'x' is a representation of a number, e.g. GP12345.

summer and wintertime. This will always give an offset of +01:00 in the timestamp.
Example: 2011-07-15T09:40:10+01:00;

9. allocated and measured energy amounts are noted in max. 18 digits before the decimal dot and max. 6 digits after the decimal dot, e.g. 1200.123456 kWh. The POS and SBS have no decimals;
10. as a label for a period of a full clock hour, the time of the next hour is used. E.g.:
 - a. 30th June from 08:00 – 09:00 will be expressed by the hour 09:00
 - b. 30th June from 23:00 – 00:00 will be expressed as 1st of July 00:00;
11. the information that is made available by GTS (e.g. POS, SBS, allocations, etc.) is made available on a “collect basis”. This means that the parties, who use this data, have to collect it. In a technical way: GTS deploys the web services that can be used by the PRP to retrieve the queried information;
12. the web services will return the queried information in the response. In case the queried information can not be returned because the query was not correct, a result will be returned instead. The result will contain an error code and an error text. See Appendix A for the error codes;
13. operational values have an availability time window of 24 hours in the operational services;
14. analysis values of the above operational values will be available in the analysis services at the latest 36 hours after the current date and time;
15. for some services, the information in the response can be aggregated to hour, day, gasday, month or gasmonth. Hour is the default value for these aggregations;
16. operational values of the actual Within Day Balancing Action (WDBA) do have a time window of 48 hours ahead;
17. the accountable hour values are available between HH:15 and HH:20 for the hour HH:00.
Example: requests after 10:15 hours results in the response of accountable value of 10:00 hour. Requests before 10:15 will result in the response of the accountable value of 09:00 hour;
18. in most cases the CreationTimestamp is used as the time of the created request or response message, however, in some cases the CreationTimestamp is being used as the time of the requested value in the webservice. For details concerning the use of CreationTimestamp, see the detailed message definitions.

1.3 Measurement types

Description of the measurement types that are used in GTS Information Services:

Energy	Number of digits before the decimal dot	Number of digits after the decimal dot	Unit
(Cumulated) Energy	12	6	kWh
Rest Energy	9	6	kWh
Prognosis Energy	9	6	kWh
Running Sum Energy (Q)	9	6	kWh/h
Energy details			
Normalized Volume (Vn)	9	6	m3(n)
Superior Calorific Value (Hs)	2	4	kWh/m3(n)
Temperature (T)	2	6	°C
Pressure (P)	2	6	Bar(A)
Quality			
Inferior Calorific Value (Hi)	2	4	kWh/m3(n)
Relative Density (d)	1	4	-
Wobbe Index (W)	2	4	kWh/m3(n)

Hydrogen (H2)	2	4	mol%
Carbon Monoxide (CO)	2	4	mol%
Carbon Dioxide (CO2)	2	4	mol%
Nitrogen (N2)	2	4	mol%
Helium (He)	2	4	mol%
Methane (CH4)	2	4	mol%
Ethene (C2H4)	2	4	mol%
Ethane (C2H6)	2	4	mol%
Propene (C3H6)	2	4	mol%
Propane (C3H8)	2	4	mol%
I-butane (I-C4H10)	2	4	mol%
N-butane (N-C4H10)	2	4	mol%
I-pentane (I-C5H12)	2	4	mol%
N-pentane (N-C5H12)	2	4	mol%
Neo-pentane (Neo-C5H12)	2	4	mol%
C3H8 (Propane)	2	4	mol%
C3H6 (Propene)	2	4	mol%
Component C4+ (C4plus)	2	4	mol%
Component C6+ (C6plus)	2	4	mol%
TP (water dew point)	2	1	°C
Rho0 (normal density)	1	4	kg/m³
Counters			
E (counter value energy)	9	5	GJ
Vn (counter value normalized volume)	9	2	m³(n)
Vb (counter value corrected volume)	9	3	m³
Vbu (counter value uncorrected volume)	9	3	m³
Others			
AlfaValue	1	4	-
BetaValue	1	4	-
Quantity	18	6	kWh
Cumulative Quantity	18	6	kWh

2 Operational Portfolio Networkpoints

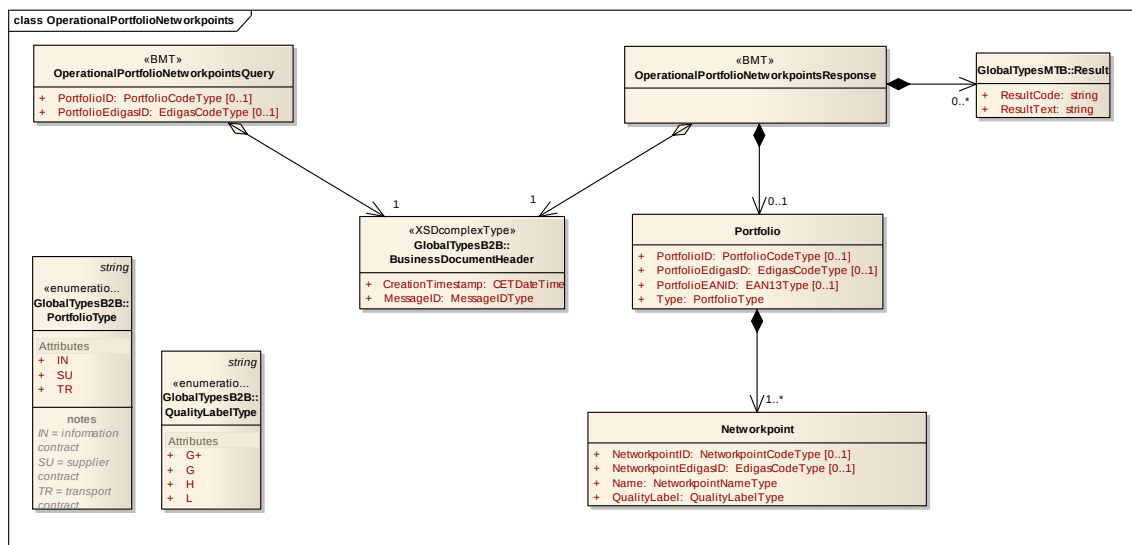
This GTS Information Service is a query/response business transaction. The query must contain a Portfolio identifier. The response returns all Networkpoints for the requested Portfolio. It applies to both Information Portfolios and Transport Portfolios.

2.1 Class diagram

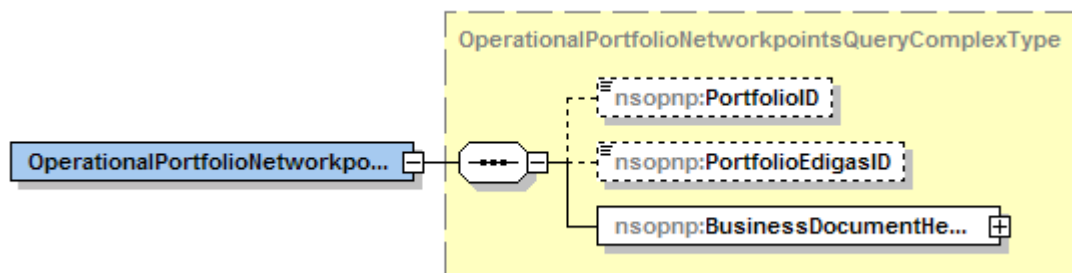
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

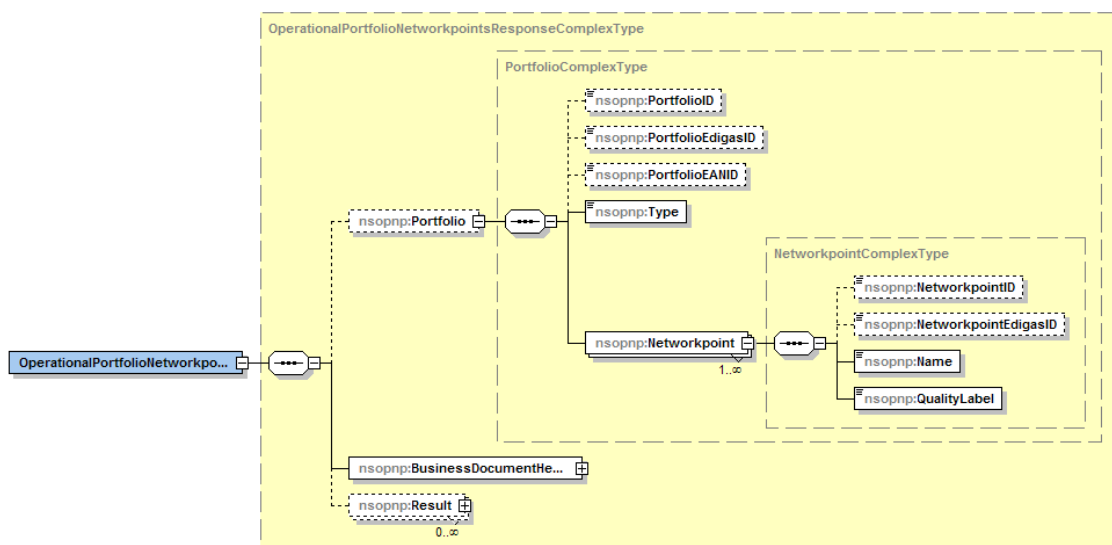
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time of the requested data. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00." Note: In this case this is <u>not</u> the date and time when the query or response was created.
PortfolioID	OperationalPortfolio NetworkpointsQuery Portfolio	This identifier is the GTS code of the Portfolio.
PortfolioEdigasID	OperationalPortfolio NetworkpointsQuery Portfolio	This identifier is the Edigas code of the Portfolio.
PortfolioEANID	Portfolio	This identifier is the EAN13 code of the Portfolio.
NetworkpointID	Networkpoint	This identifier is the GTS code of the Networkpoint.
NetworkpointEdigas ID	Networkpoint	This identifier is the Edigas code of the Networkpoint.
QualityLabel	Networkpoint	Last known quality label.



2.2 Query XML Schema



2.3 Response XML Schema



3 Analysis Portfolio Networkpoints

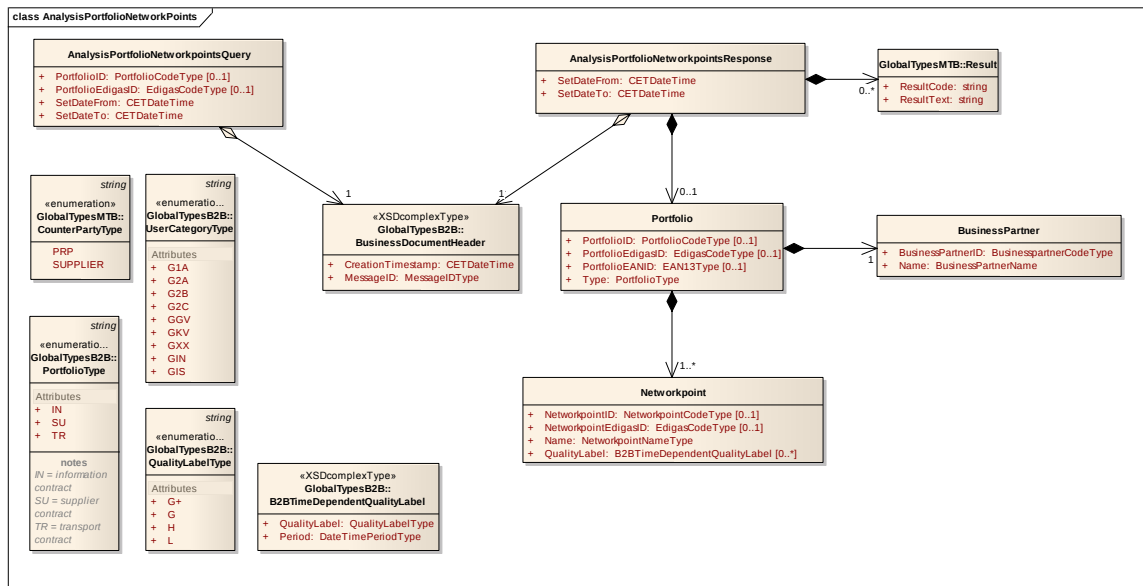
This GTS Information Service is a query/response business transaction. The query must contain a Portfolio identifier and the selected period. The response returns all Networkpoints for the requested Portfolio for the selected period. It applies to both Information Portfolios and Transport Portfolios.

3.1 Class diagram

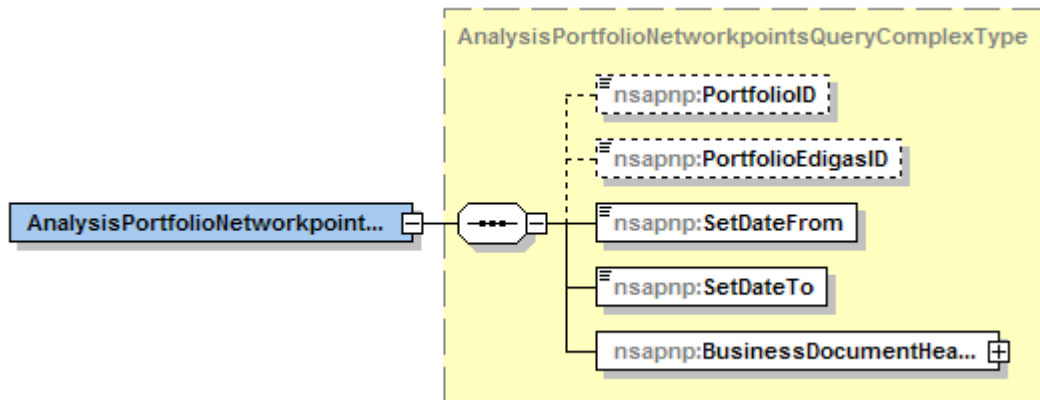
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

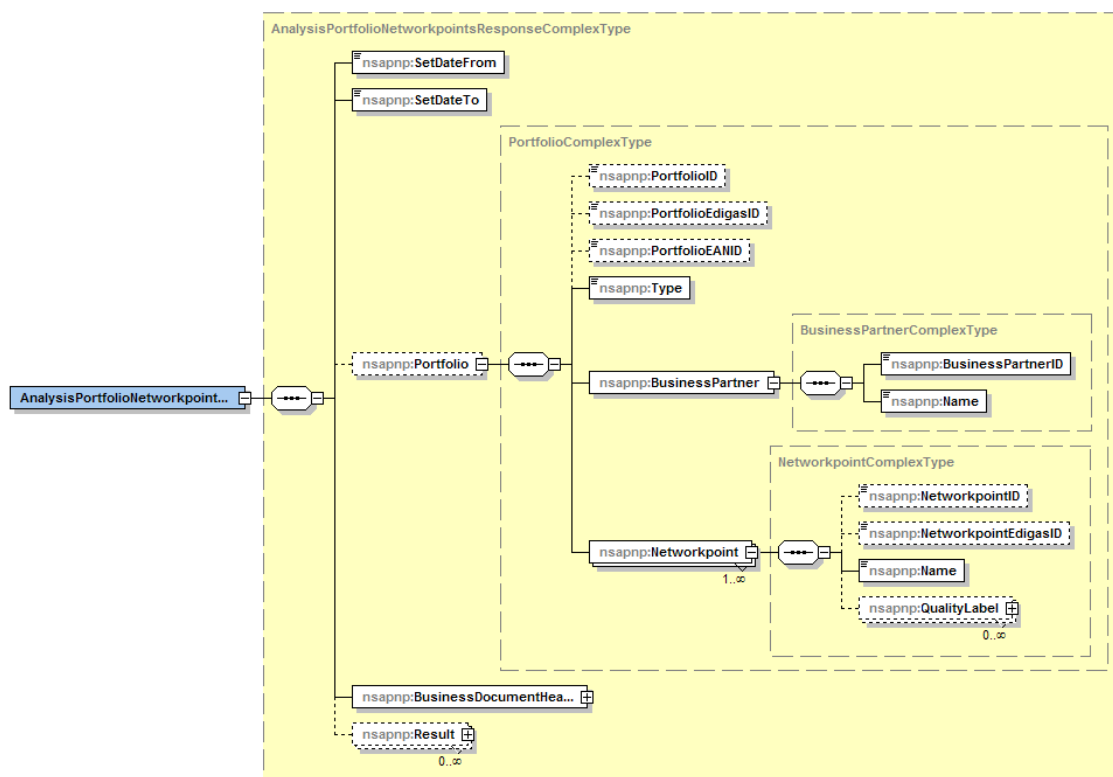
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
PortfolioID	AnalysisPortfolio NetworkpointsQuery Portfolio	This identifier is the GTS code of the Portfolio.
PortfolioEdigasID	AnalysisPortfolio NetworkpointsQuery Portfolio	This identifier is the Edigas code of the Portfolio.
PortfolioEANID	Portfolio	This identifier is the EAN13 code of the Portfolio.
NetworkpointID	Networkpoint	This identifier is the GTS code of the Networkpoint.
NetworkpointEdigas ID	Networkpoint	This identifier is the Edigas code of the Networkpoint.
SetDateFrom	AnalysisPortfolio NetworkpointsQuery AnalysisPortfolio NetworkpointsResponse	Start date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
SetDateTo	AnalysisPortfolio NetworkpointsQuery AnalysisPortfolio NetworkpointsResponse	End date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
QualityLabel	Networkpoint	History of quality label from SetDateFrom to SetDateTo.



3.2 Query XML Schema



3.3 Response XML Schema



4 Operational Allocations

This GTS Information Service is a query/response business transaction. The query must contain a Portfolio identifier and optional one or more Networkpoint identifier(s). The response returns the allocated energy until the last cycle time.

Every 5 minutes the allocated energy until the last cycle time is calculated. I.e. for 12:35 the cumulated allocation for the period from 12:00 until 12:35 is given. On the full hours cycle time the hourly allocation is given (i.e. the allocation for 12:00 is the allocation for the period between 11:00 and 12:00).

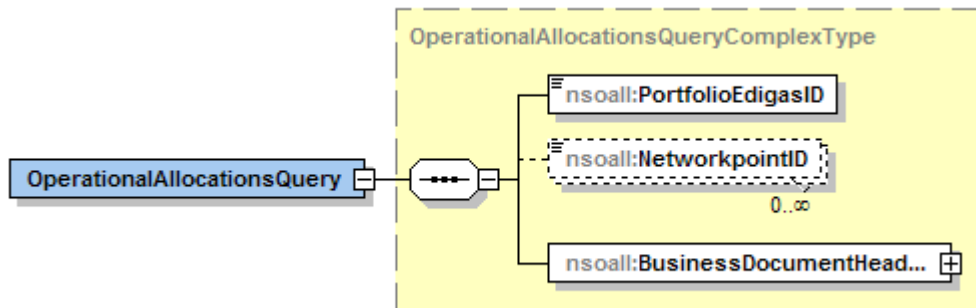
4.1 Class diagram

The class diagram represents the information being exchanged in this synchronous query/response business transaction.

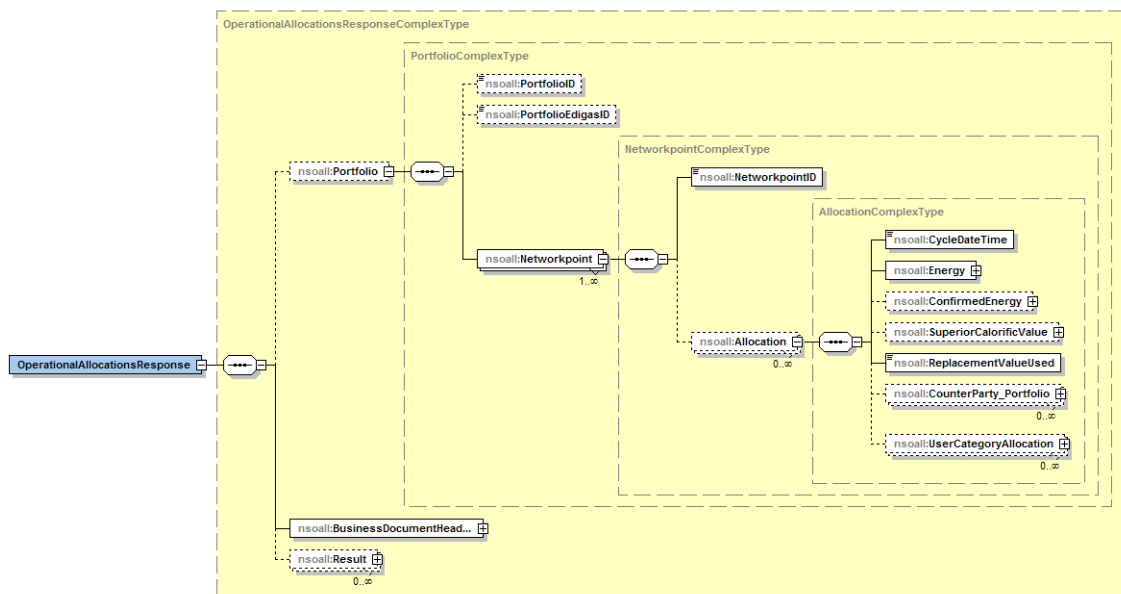
An explanation of the most important attributes of this GTS Information Service can be found in this table:

Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
PortfolioEdigasID	OperationalAllocationsQuery Portfolio CounterParty_Portfolio	This identifier is the Edigas code of the Portfolio.
NetworkpointID	OperationalAllocationsQuery Networkpoint	This identifier is the GTS code of the Networkpoint. The optional identifier in the request can be: 1. single specified Networkpoint; 2. multiple specified Networkpoints. If the Networkpoint identifier is not specified, all Networkpoints for the requested Portfolio will be returned in the response.
PortfolioID	Portfolio	This identifier is the GTS code of the Portfolio.
CycleDateTime	Allocation	Date and time label (in CET). Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
Energy	Allocation	Cumulated amount of energy. Example: for CycleDateTime 11:20 the amount of energy is returned from 11:00 to 11:20.

4.2 Query XML Schema



4.3 Response XML Schema



5 Operational Accountable Allocations

This GTS Information Service is a query/response business transaction. The query must contain a Portfolio identifier, optional one or more Networkpoint identifier(s) and the choice for the period (1 hour or 24 hours). The response returns the hourly values for the requested Portfolio for the past hour or the past 24 hours.

The returned information is the near real time allocation for whole hours. This information is always final and is available between 15 to 20 minutes after the hour. Please note that these hourly values can differ from the hourly values in the Operational Allocations (in case of values related to LDC points).

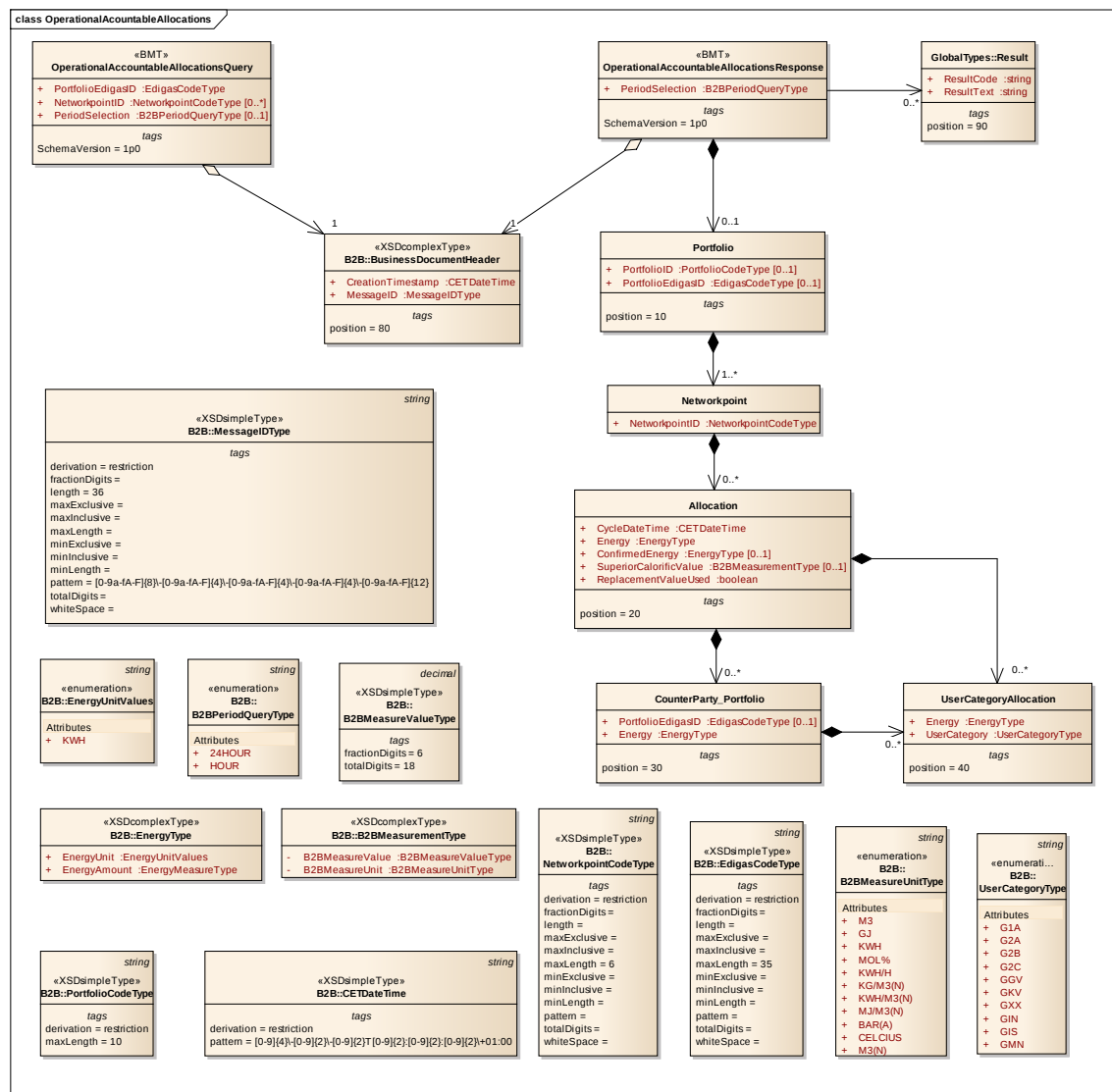
5.1 Class diagram

The class diagram represents the information being exchanged in this synchronous query/response business transaction.

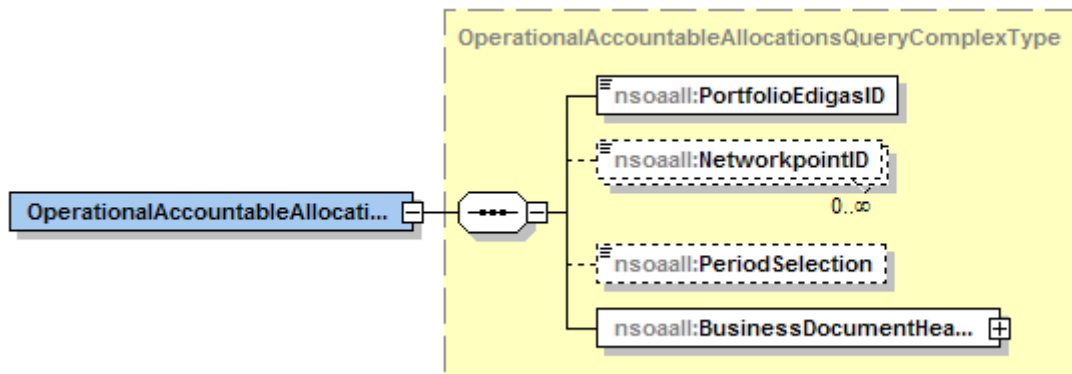
An explanation of the most important attributes of this GTS Information Service can be found in this table:

Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
PortfolioEdigasID	OperationalAccountable AllocationsQuery Portfolio CounterParty_Portfolio	This identifier is the Edigas code of the Portfolio.
NetworkpointID	OperationalAccountable AllocationsQuery Networkpoint	This identifier is the GTS code of the Networkpoint. The optional identifier in the request can be: 1. single specified Networkpoint; 2. multiple specified Networkpoints. If the Networkpoint identifier is not specified, all Networkpoints for the requested Portfolio will be returned in the response.
PeriodSelection	OperationalAccountable AllocationsQuery OperationalAccountable AllocationsResponse	PeriodSelection choice HOUR or 24HOUR offers: HOUR returns the last hourly value; 24HOUR returns the last 24 hourly values. HOUR is the default value.
PortfolioID	Portfolio	This identifier is the GTS code of the

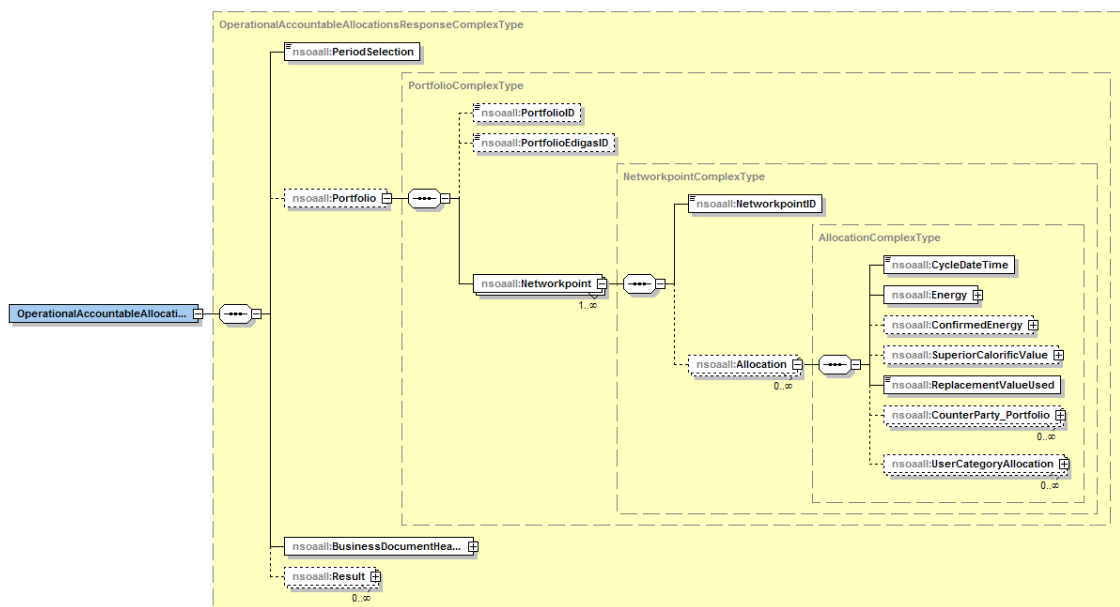
Attribute	Class	Description
	CounterParty_Portfolio	Portfolio.
CycleDateTime	Allocation	Date and time label (in CET). Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
Energy	Allocation	Amount of energy.
ConfirmedEnergy	Allocation	The confirmed amount of energy.
ReplacementValue Used	Allocation	Other value used for quality, metering or allocation. 0 = no other value used. 1 = other value used.



5.2 Query XML Schema



5.3 Response XML Schema



6 Analysis Accountable Near Real Time Allocations

This GTS Information Service is a query/response business transaction. The query must contain among others a Portfolio identifier, optional one or more Networkpoint identifier(s) and the selected period. The response returns the hourly values for the requested Portfolio for the selected period.

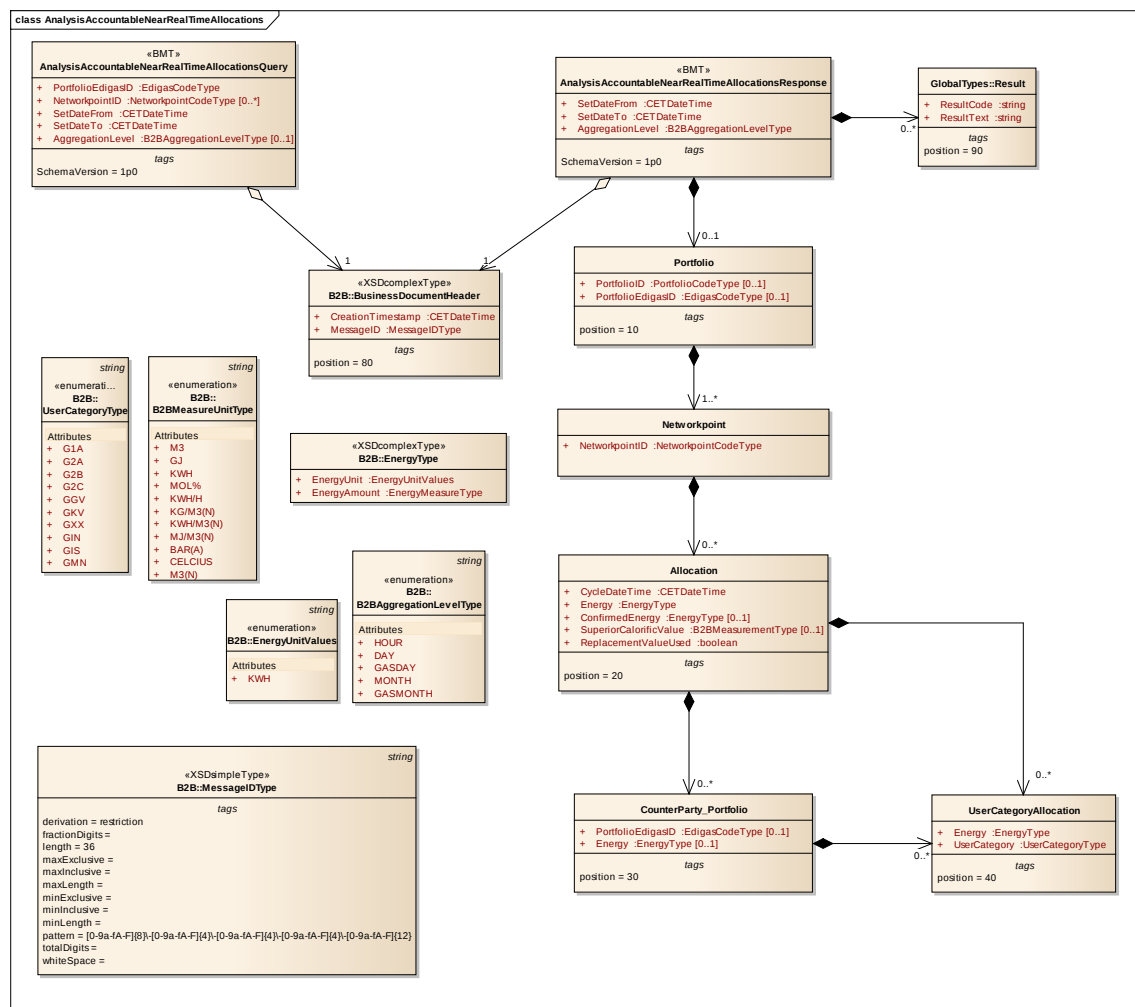
6.1 Class diagram

The class diagram represents the information being exchanged in this synchronous query/response business transaction.

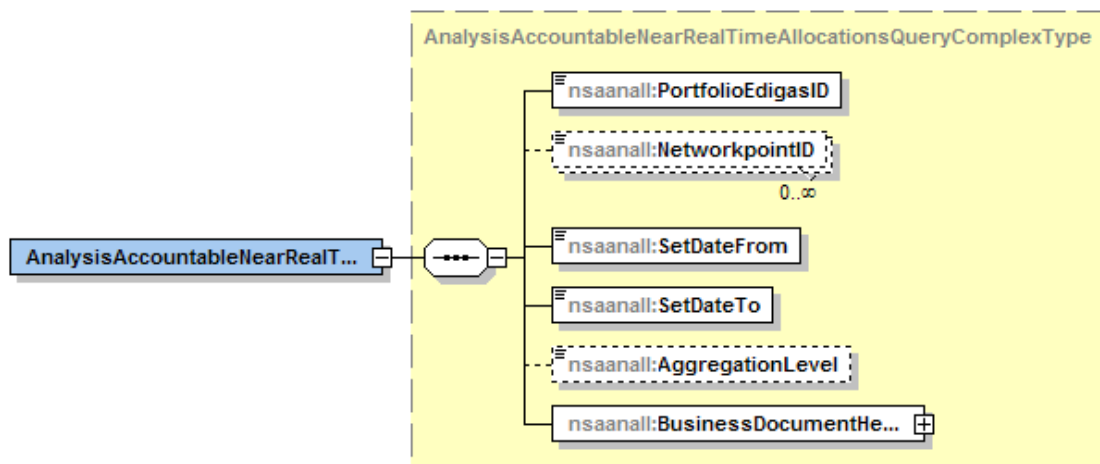
An explanation of the most important attributes of this GTS Information Service can be found in this table:

Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
PortfolioEdigasID	AnalysisAccountableNear RealTimeAllocationsQuery Portfolio CounterParty_Portfolio	This identifier is the Edigas code of the Portfolio.
PortfolioID	Portfolio	This identifier is the GTS code of the Portfolio.
NetworkpointID	AnalysisAccountableNear RealTimeAllocationsQuery Networkpoint	This identifier is the GTS code of the Networkpoint. The optional identifier in the request can be: 1. single specified Networkpoint; 2. multiple specified Networkpoints. If the Networkpoint identifier is not specified, all Networkpoints for the requested Portfolio will be returned in the response.
SetDateFrom	AnalysisAccountableNear RealTimeAllocationsQuery AnalysisAccountableNear RealTimeAllocationsResponse	Start date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
SetDateTo	AnalysisAccountableNear RealTimeAllocationsQuery AnalysisAccountableNear RealTimeAllocationsResponse	End date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.

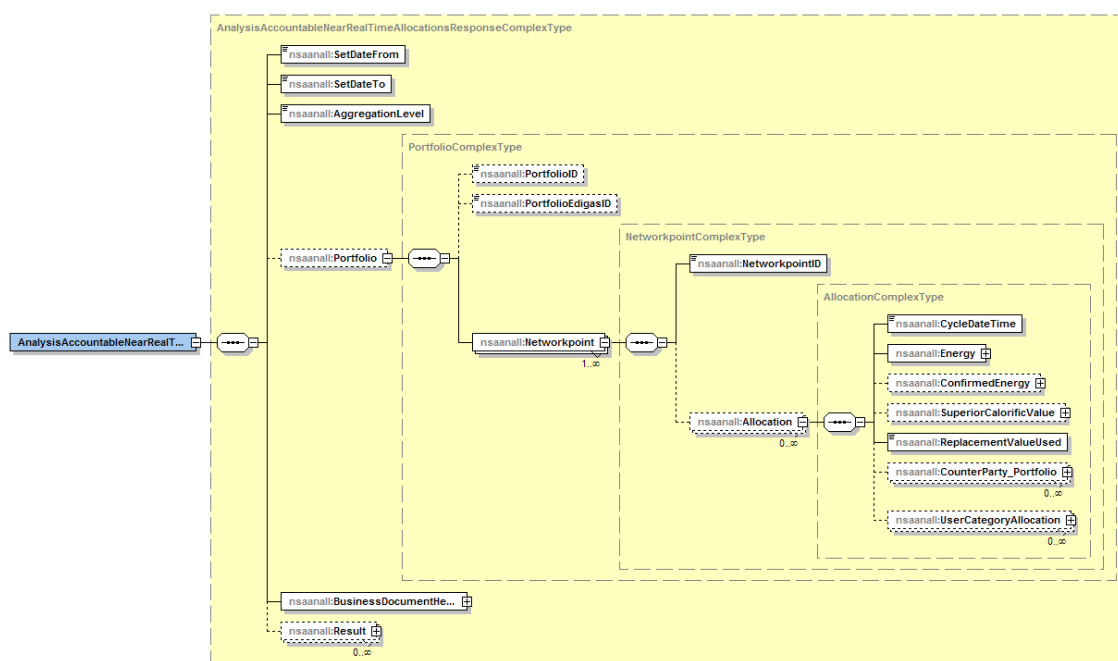
Attribute	Class	Description
AggregationLevel	AnalysisAccountableNear RealTimeAllocationsQuery AnalysisAccountableNear RealTimeAllocationsResponse	Aggregation of information: HOUR return the hourly values; DAY returns the aggregation of hourly values to day values; GASDAY returns the aggregation of hourly values to gasday values; MONTH returns the aggregation of hourly values to month values; GASMONTH returns the aggregation of hourly values to gasmonth values. HOUR is the default value.
CycleDateTime	Allocation	Date and time label (in CET). Pattern is [YYYY]-[MM]- [DD]T[hh]:[mm]:[ss]+01:00.
Energy	Allocation	Amount of energy.
ConfirmedEnergy	Allocation	The confirmed amount of energy.
ReplacementValue Used	Allocation	Other value used for quality, metering or allocation. 0 = no other value used. 1 = other value used.



6.2 Query XML Schema



6.3 Response XML Schema



7 Analysis Accountable Offline Allocations

This GTS Information Service is a query/response business transaction. The query must contain among others a Portfolio identifier, optional one or more Networkpoint identifier(s) and the selected period. The response returns the hourly values for the requested Portfolio for the selected period.

7.1 Class diagram

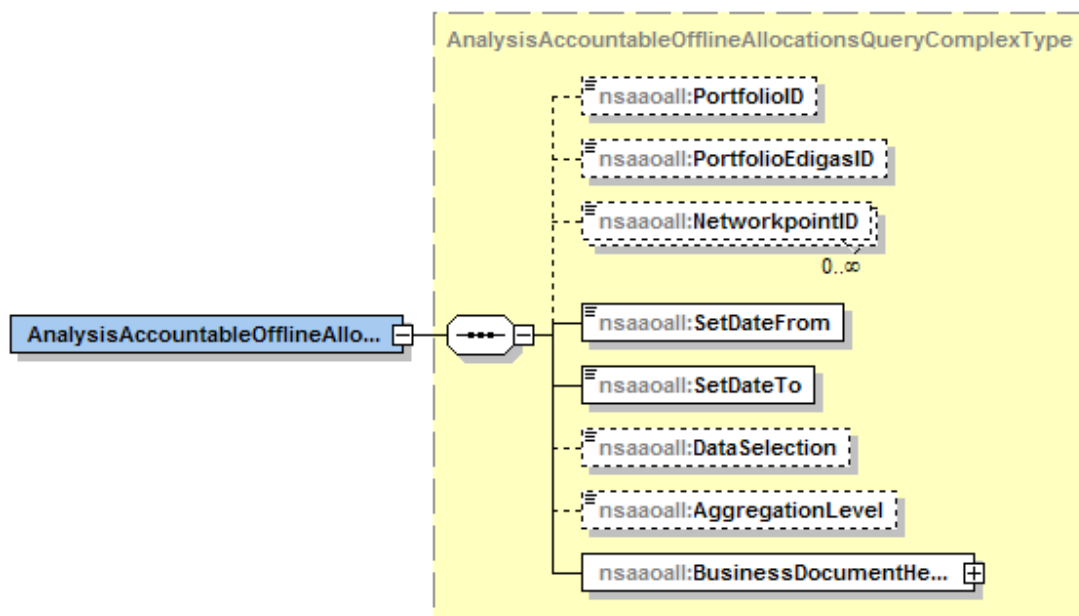
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

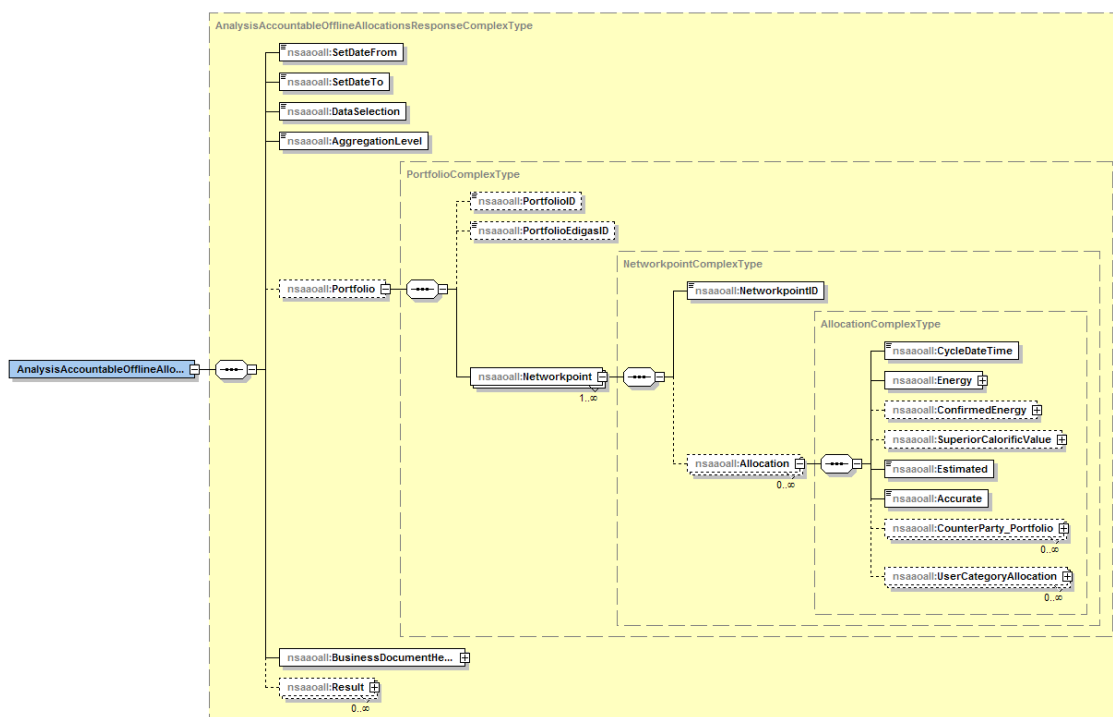
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
PortfolioID	AnalysisAccountable OfflineAllocationsQuery Portfolio CounterParty_Portfolio	This identifier is the GTS code of the Portfolio.
PortfolioEdigasID	AnalysisAccountable OfflineAllocationsQuery Portfolio CounterParty_Portfolio	This identifier is the Edigas code of the Portfolio.
NetworkpointID	AnalysisAccountable OfflineAllocationsQuery Networkpoint	This identifier is the GTS code of the Networkpoint. The optional identifier in the request can be: 1. single specified Networkpoint; 2. multiple specified Networkpoints. If the Networkpoint identifier is not specified, all Networkpoints for the requested Portfolio will be returned in the response.
SetDateFrom	AnalysisAccountable OfflineAllocationsQuery AnalysisAccountable OfflineAllocationsResponse	Start date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
SetDateTo	AnalysisAccountable	End date and time (in CET) of a period.

Attribute	Class	Description
	OfflineAllocationsQuery AnalysisAccountable OfflineAllocationsResponse	Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
DataSelection	AnalysisAccountable OfflineAllocationsQuery AnalysisAccountable OfflineAllocationsResponse	Data selection of information: ALL returns all data; CHANGED returns all data that has been changed between SetDateFrom and SetDateTo. ALL is the default value.
AggregationLevel	AnalysisAccountable OfflineAllocationsQuery AnalysisAccountable OfflineAllocationsResponse	Aggregation of information: HOUR return the hourly values; DAY returns the aggregation of hourly values to day values; GASDAY returns the aggregation of hourly values to gasday values; MONTH returns the aggregation of hourly values to month values; GASMONTH returns the aggregation of hourly values to gasmonth values. HOUR is the default value.
CycleDateTime	Allocation	Date and time label (in CET). Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
Energy	Allocation	Amount of energy.
ConfirmedEnergy	Allocation	The confirmed amount of energy.

7.2 Query XML Schema



7.3 Response XML Schema



8 Analysis Accountable Offline Imbalance

This GTS Information Service is a query/response business transaction. The query must contain among others a Portfolio identifier and the selected period. The response returns the hourly imbalance for the requested Portfolio for the selected period.

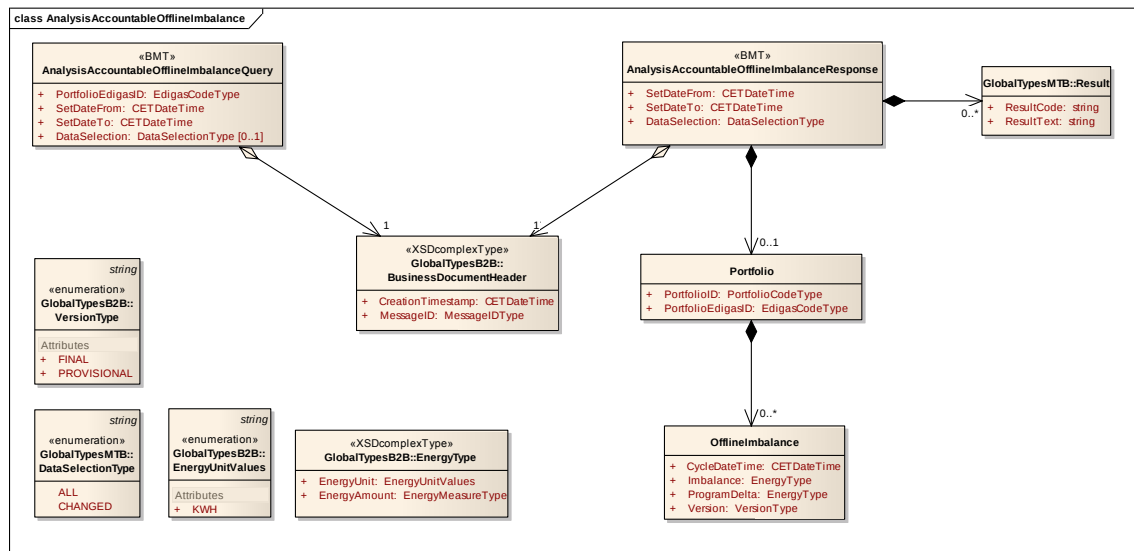
8.1 Class diagram

The class diagram represents the information being exchanged in this synchronous query/response business transaction.

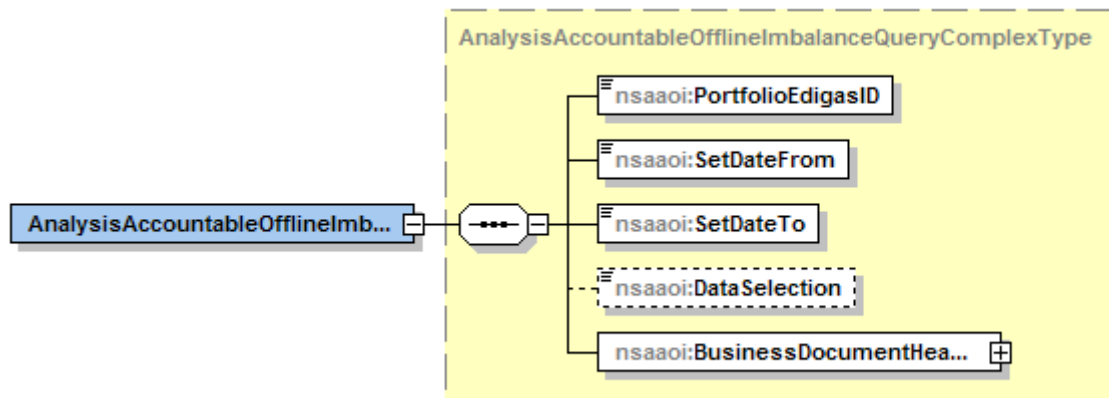
An explanation of the most important attributes of this GTS Information Service can be found in this table:

Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
PortfolioEdigasID	AnalysisAccountable OfflineImbalanceQuery Portfolio	This identifier is the Edigas code of the Portfolio.
SetDateFrom	AnalysisAccountable OfflineImbalanceQuery AnalysisAccountable OfflineImbalanceResponse	Start date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
SetDateTo	AnalysisAccountable OfflineAllocationsQuery AnalysisAccountable OfflineImbalanceResponse	End date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
DataSelection	AnalysisAccountable OfflineAllocationsQuery AnalysisAccountable OfflineImbalanceResponse	Data selection of information: ALL returns all data; CHANGED returns all data that has been changed between SetDateFrom and SetDateTo. ALL is the default value.
PortfolioID	Portfolio	This identifier is the GTS code of the Portfolio.
CycleDateTime	PortfolioImbalance	Date and time label (in CET). Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
Imbalance	OfflineImbalance	The difference between entry and exit on hourly level including damping.
ProgramDelta	OfflineImbalance	The damping as returned in the program

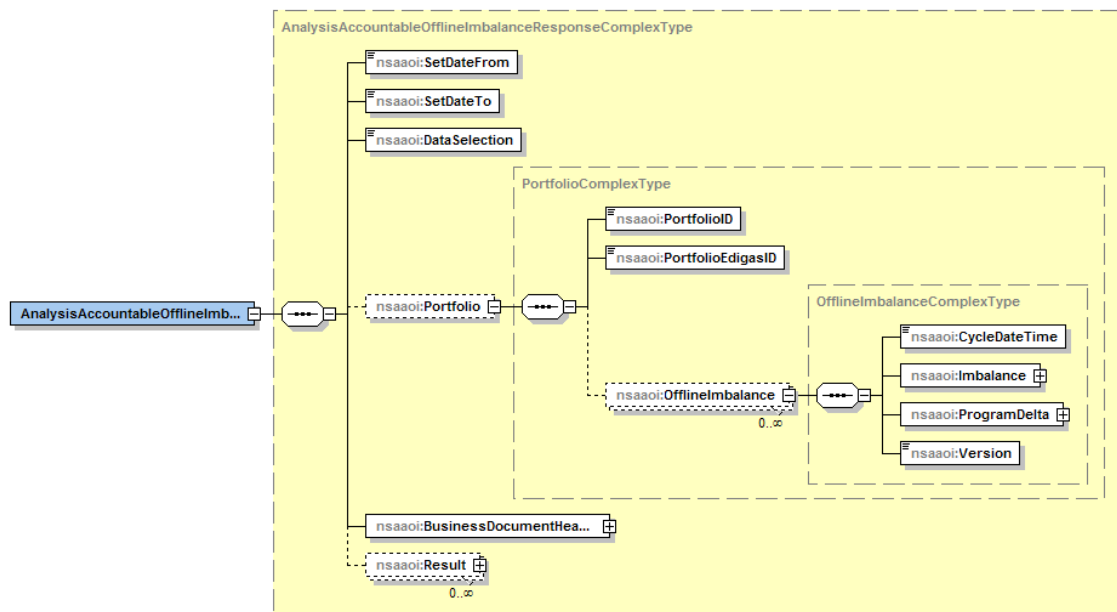
Attribute	Class	Description
		confirmation.
Version	OfflineImbalance	Provisional or final



8.2 Query XML Schema



8.3 Response XML Schema



9 Analysis Accountable Networkpoint RestAllocations

This GTS Information Service is a query/response business transaction. The query must contain among others a Portfolio identifier, optional one or more Networkpoint identifier(s) and the selected period. The response returns the gasmonthly rest allocations per networkpoint for the requested Portfolio for the selected period.

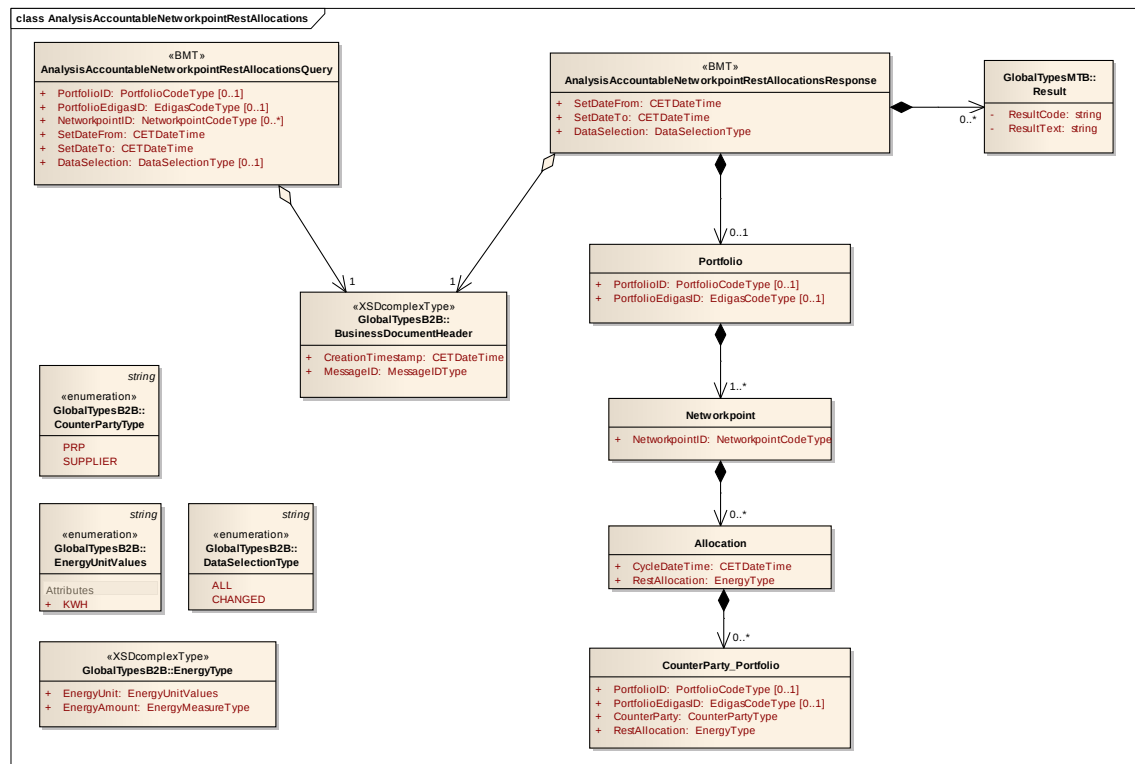
9.1 Class diagram

The class diagram represents the information being exchanged in this synchronous query/response business transaction.

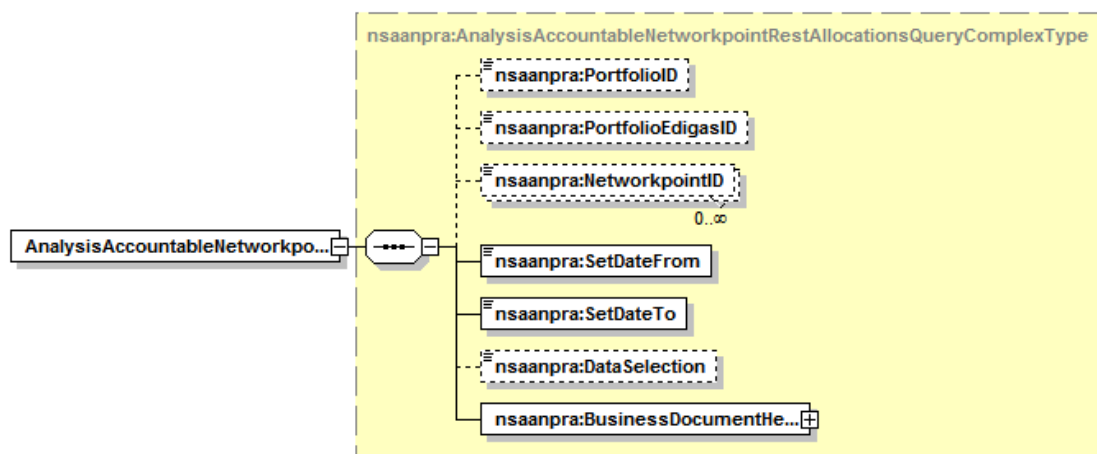
An explanation of the most important attributes of this GTS Information Service can be found in this table:

Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
PortfolioID	AnalysisAccountable NetworkpointRestAllocations Query Portfolio CounterParty_Portfolio	This identifier is the GTS code of the Portfolio.
PortfolioEdigasID	AnalysisAccountable NetworkpointRestAllocations Query Portfolio CounterParty_Portfolio	This identifier is the Edigas code of the Portfolio.
NetworkpointID	AnalysisAccountable NetworkpointRestAllocations Query Networkpoint	This identifier is the GTS code of the Networkpoint. The optional identifier in the request can be: 1. single specified Networkpoint; 2. multiple specified Networkpoints. If the Networkpoint identifier is not specified, all Networkpoints for the requested Portfolio will be returned in the response.
SetDateFrom	AnalysisAccountable NetworkpointRestAllocations Query	Start date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.

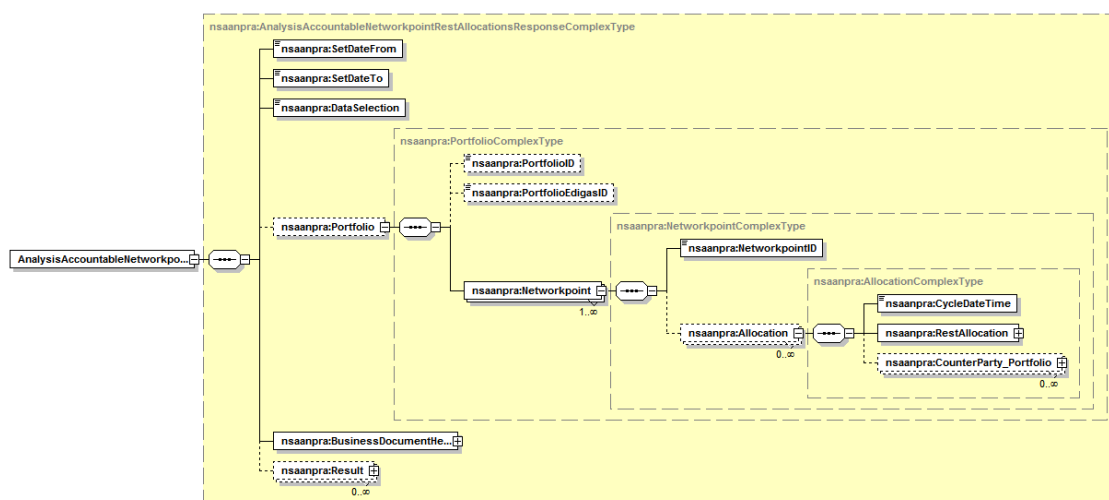
Attribute	Class	Description
	AnalysisAccountable NetworkpointRestAllocations Response	
SetDateTo	AnalysisAccountable NetworkpointRestAllocations Query AnalysisAccountable NetworkpointRestAllocations Response	End date and time (in CET) of a period. Pattern is [YYYY]-[MM]- [DD]T[hh]:[mm]:[ss]+01:00.
DataSelection	AnalysisAccountable NetworkpointRestAllocations Query AnalysisAccountable NetworkpointRestAllocations Response	Data selection of information: ALL returns all data; CHANGED returns all data that has been changed between SetDateFrom and SetDateTo. ALL is the default value.
CycleDateTime	Allocation	Date and time label (in CET). Pattern is [YYYY]-[MM]- [DD]T[hh]:[mm]:[ss]+01:00.
RestAllocation	Allocation	Amount of energy



9.2 Query XML Schema



9.3 Response XML Schema



10 Analysis Monthly Summaries

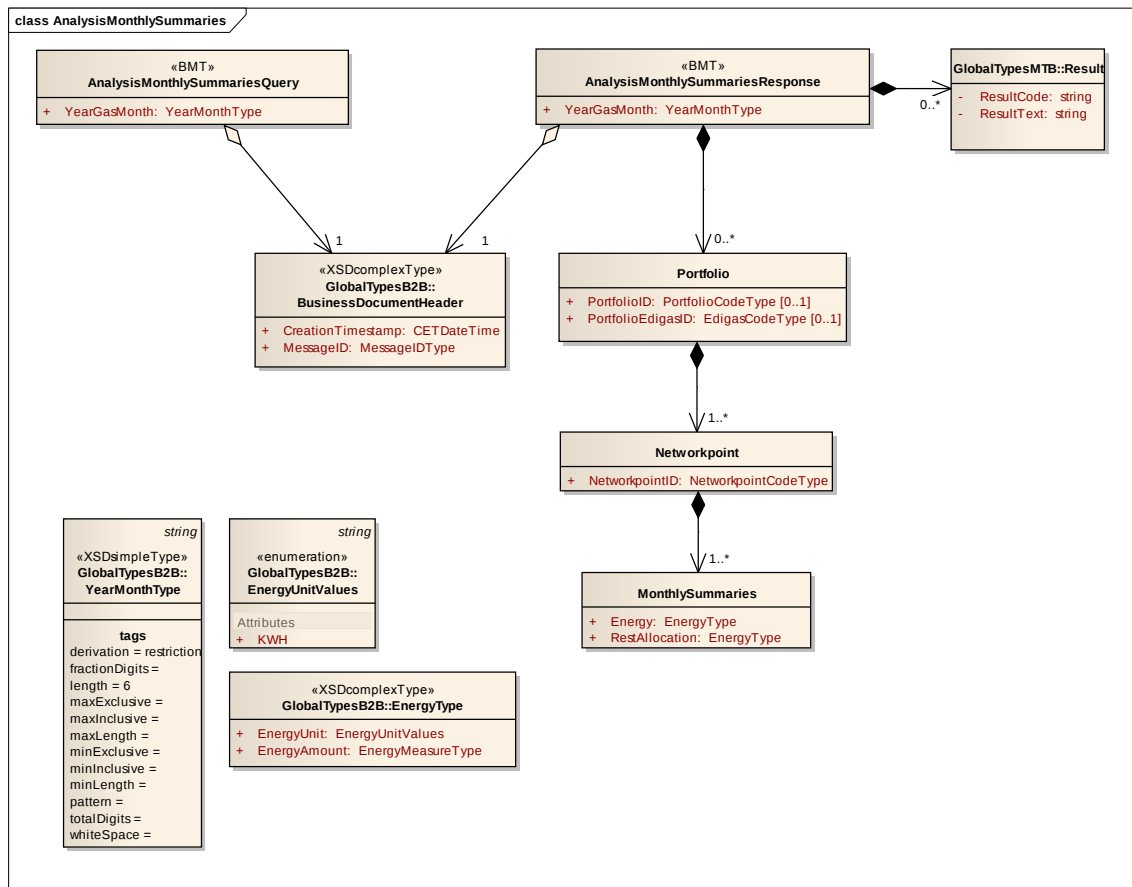
This GTS Information Service is a query/response business transaction. The query must contain the selected month/year. The response returns the gasmonthly totals per networkpoint for all Portfolios for the querying Business Partner. The querying Business Partner will be extracted from the certificate.

10.1 Class diagram

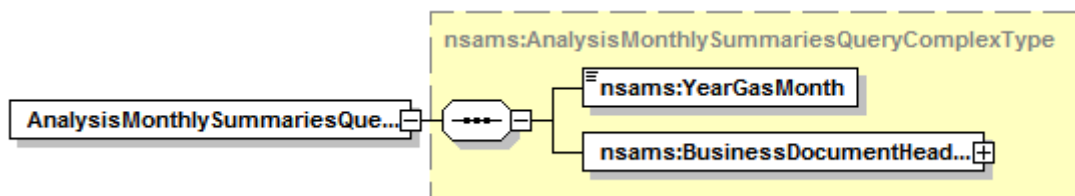
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

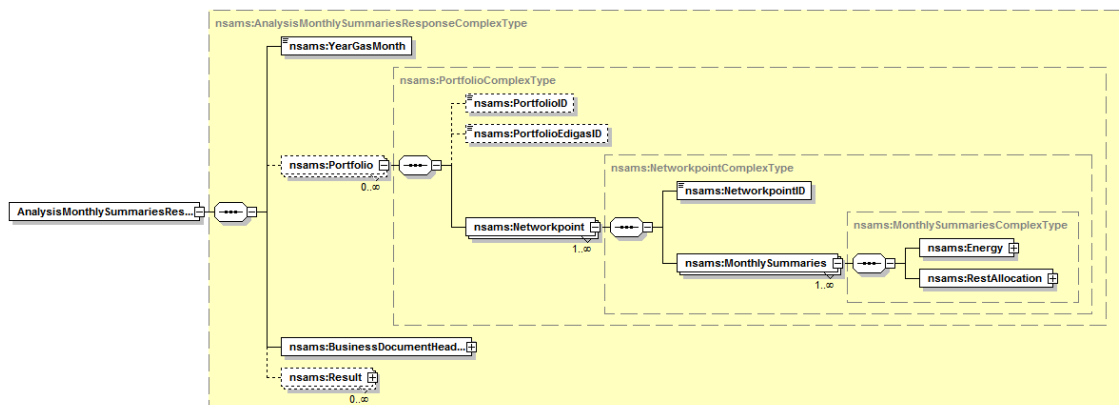
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
YearGasMonth	AnalysisMonthly SummariesQuery AnalysisMonthly SummariesResponse	Requested Year and Month.
PortfolioID	Portfolio	This identifier is the GTS code of the Portfolio.
PortfolioEdigasID	Portfolio	This identifier is the Edigas code of the Portfolio.
NetworkpointID	Networkpoint	This identifier is the GTS code of the Networkpoint.
Energy	MonthlySummaries	Amount of energy
RestAllocation	MonthlySummaries	Amount of energy



10.2 Query XML Schema



10.3 Response XML Schema



11 Operational LDC Networkpoint Measurements

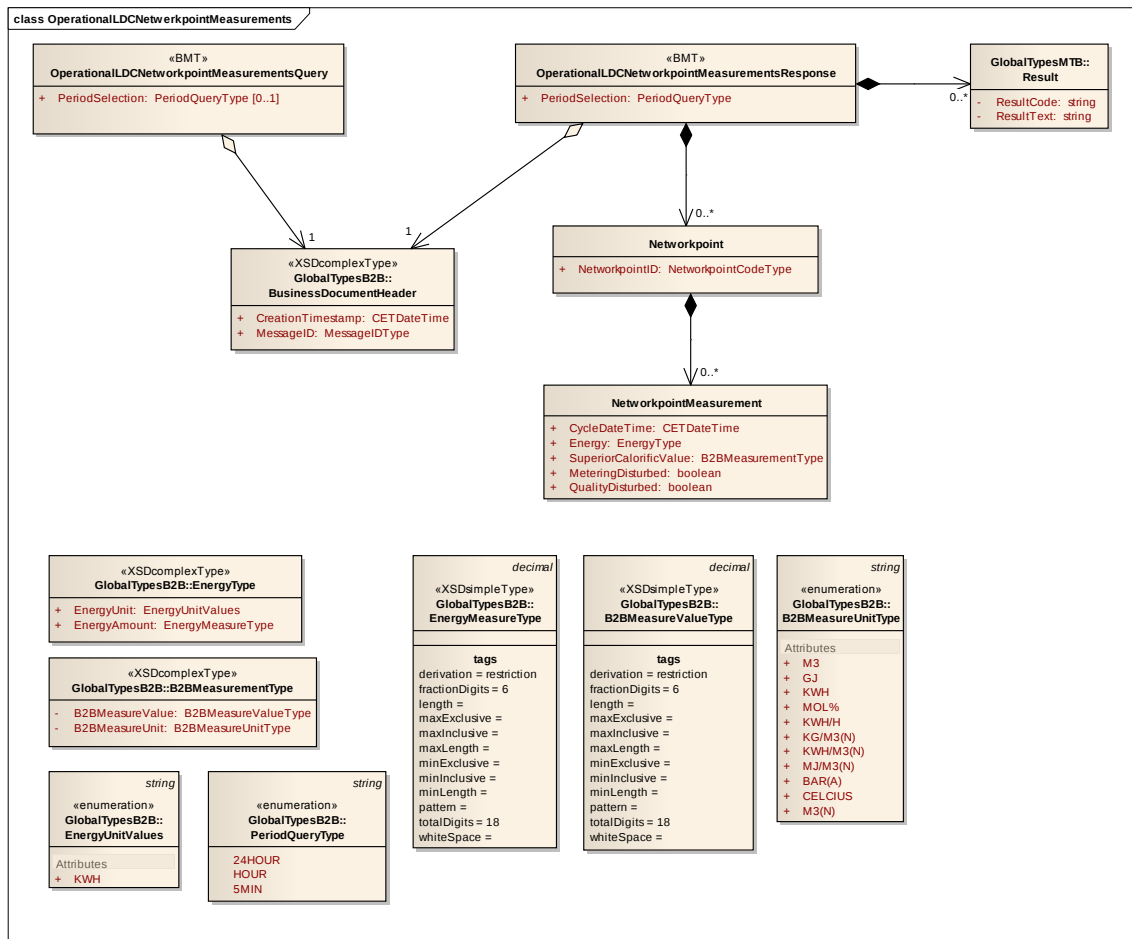
This GTS Information Service is a query/response business transaction. The query may contain a period selection. The response returns the last 5-minute, last hourly or last 24-hourly cumulated measured energy aggregated at Networkpoint for the LDC Networkpoints.

11.1 Class diagram

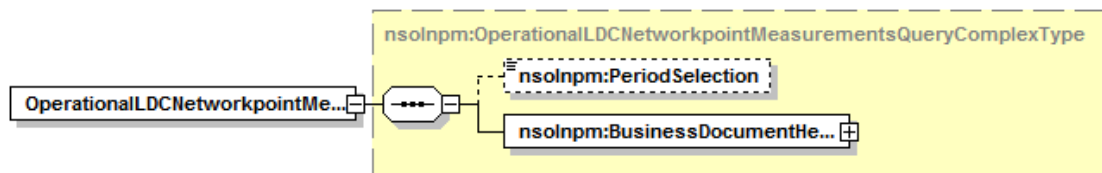
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

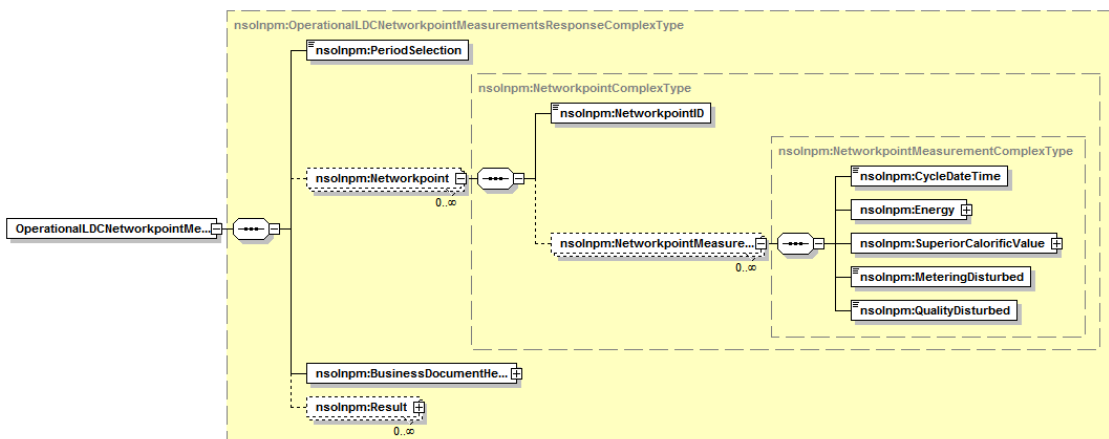
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
PeriodSelection	OperationalLDCNetworkpoint MeasurementsQuery OperationalLDCNetworkpoint MeasurementsResponse	PeriodSelection choice 5MIN, HOUR or 24HOUR offers: 5MIN returns the last 5-minute value; HOUR returns the last hourly value; 24HOUR returns the last 24 hourly values. HOUR is the default value.
NetworkpointID	Networkpoint	This identifier is the GTS code of the Networkpoint.
CycleDateTime	NetworkpointMeasurement	Date and time label (in CET). Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
MeteringDisturbed	NetworkpointMeasurement	Flag (boolean) for disturbed metering. 0 = metering not disturbed. 1 = metering disturbed.
QualityDisturbed	NetworkpointMeasurement	Flag (boolean) for disturbed gas quality. 0 = quality not disturbed. 1 = quality disturbed.



11.2 Query XML Schema



11.3 Response XML Schema



12 Operational Prognosis POS

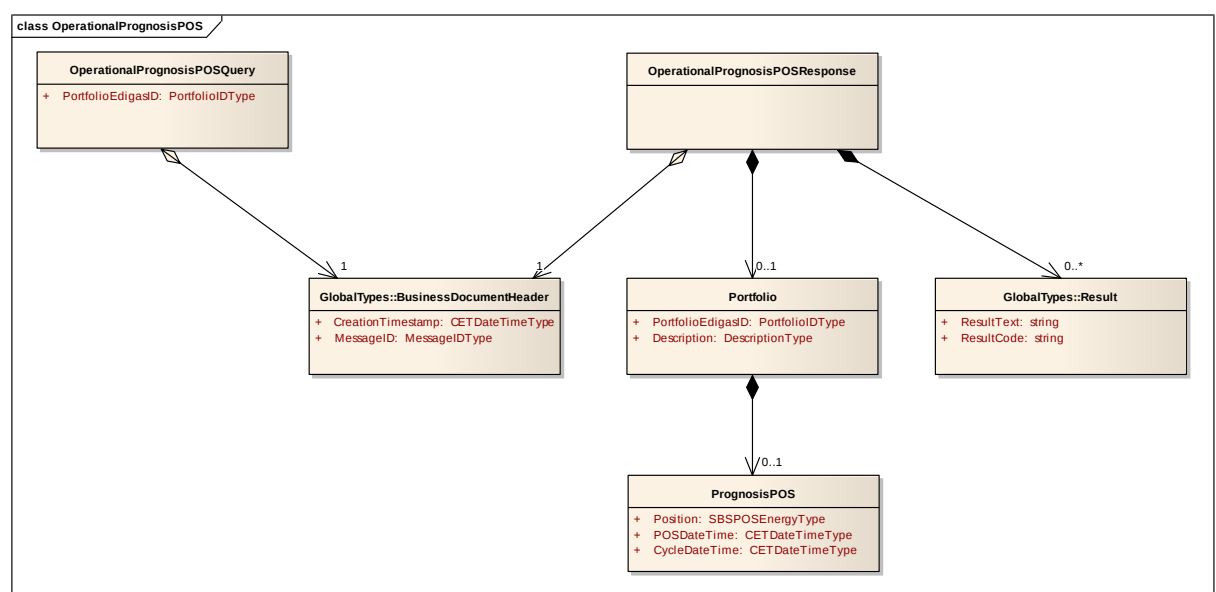
This GTS Information Service is a query/response business transaction. The query must contain a portfolio. The response returns the prognosis of the hourly POS value, based on 5 minute allocations for the selected portfolio.

12.1 Class diagram

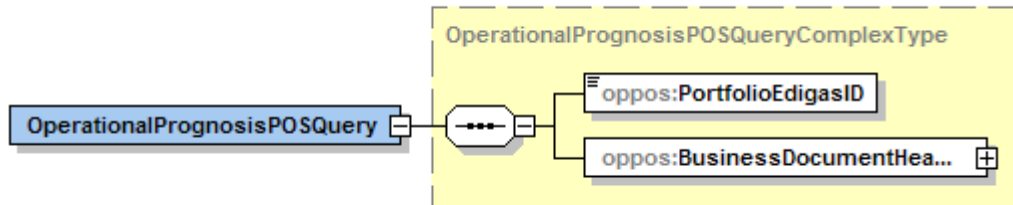
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

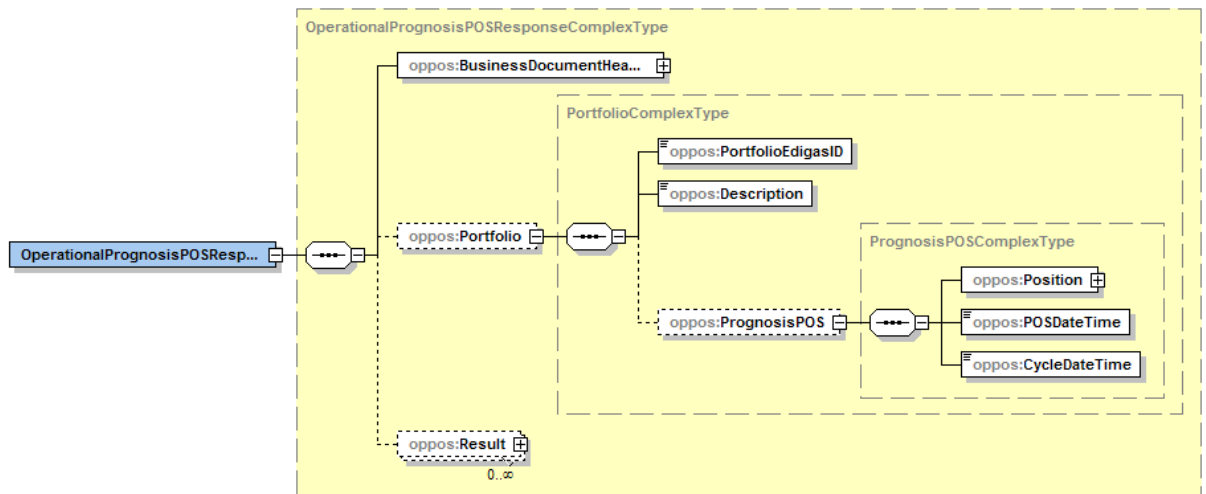
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time of the requested data. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00." Note: In this case this is <u>not</u> the date and time when the query or response was created.
PortfolioEdigasID	OperationalPrognosisPOSQuery Portfolio	This identifier is the Edigas code of the Portfolio.



12.2 Query XML Schema



12.3 Response XML Schema



13 Operational Accountable POS

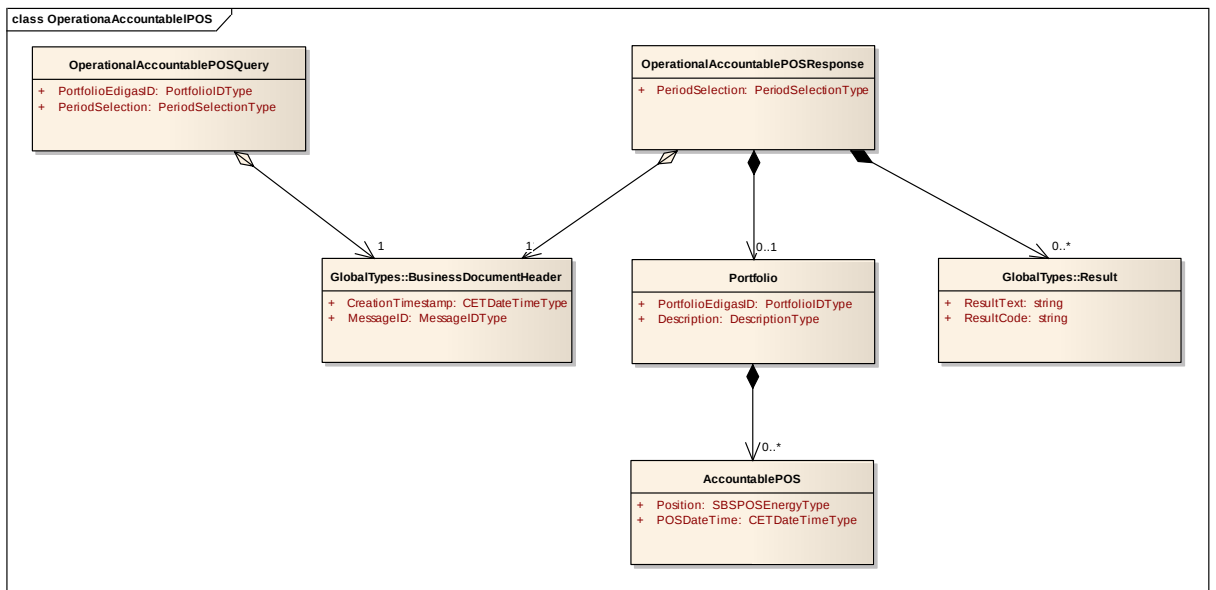
This GTS Information Service is a query/response business transaction. The query must contain a portfolio. The response returns the hourly accountable POS value(s) for the last hour or the last 24 hours. The POS value is available after xx.15 each hour.

13.1 Class diagram

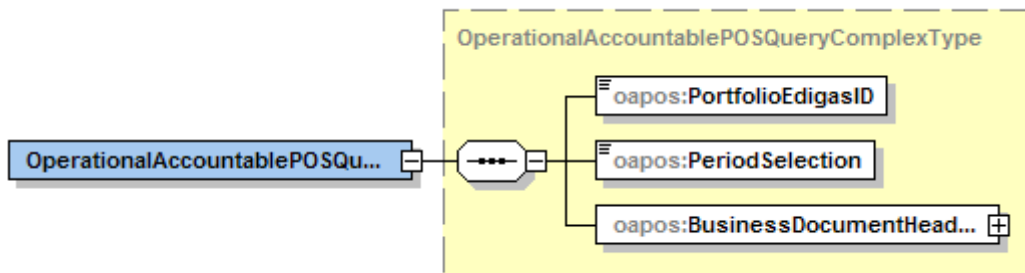
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

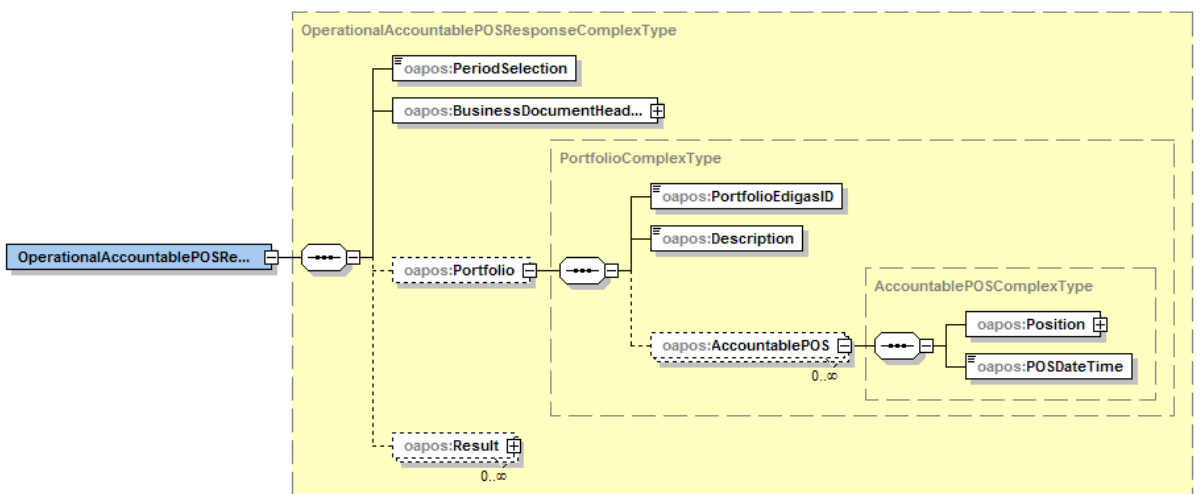
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time of the requested data. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00." Note: In this case this is <u>not</u> the date and time when the query or response was created.
PortfolioEdigasID	OperationalPrognosisPOSQuery Portfolio	This identifier is the Edigas code of the Portfolio.
PeriodSelection	OperationalAccountable POSQuery OperationalAccountable POSResponse	PeriodSelection choice HOUR or 24HOUR offers (default is HOUR): HOUR returns the last hourly value; 24HOUR returns the last 24 hourly values.



13.2 Query XML Schema



13.3 Response XML Schema



14 Analysis Accountable POS

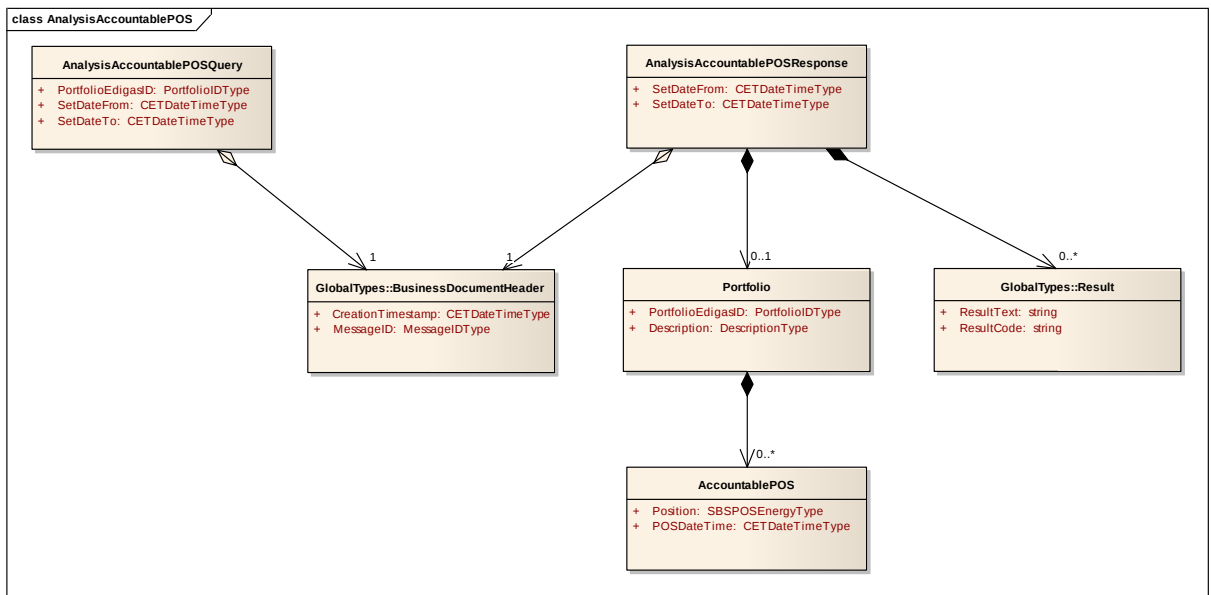
This GTS Information Service is a query/response business transaction. The query must contain a portfolio and a period. The response returns the hourly accountable POS value(s) for the specified portfolio and period.

14.1 Class diagram

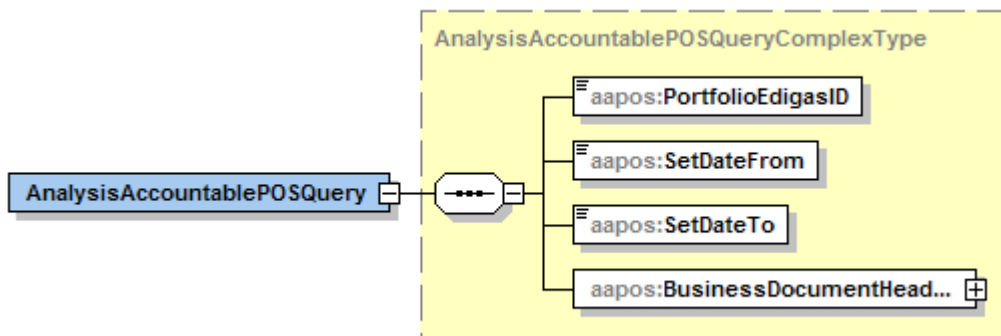
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

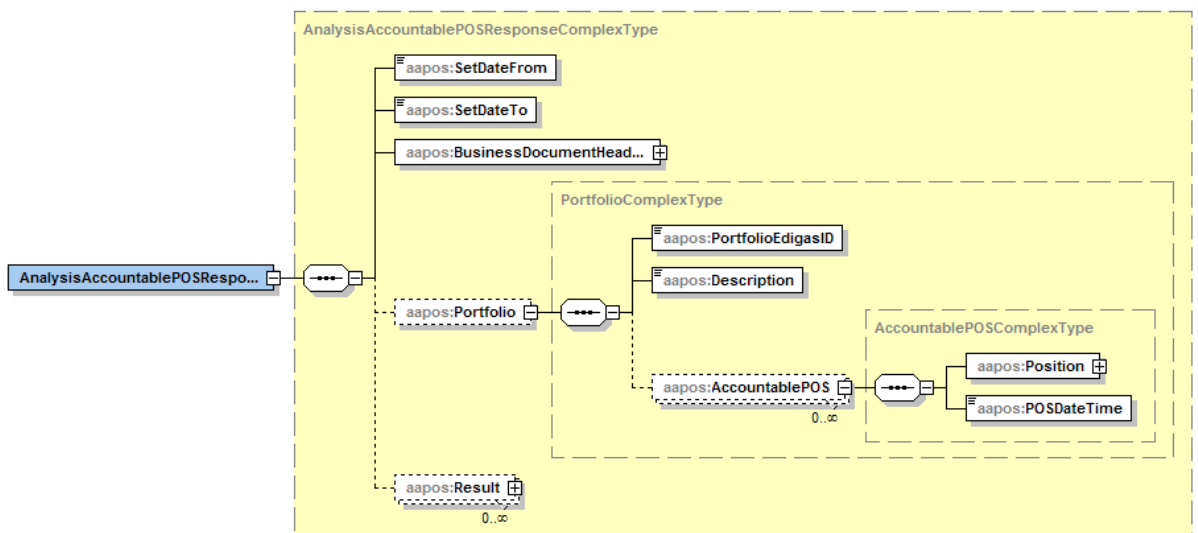
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
PortfolioEdigasID	OperationalPrognosisPOSQuery Portfolio	This identifier is the Edigas code of the Portfolio.
SetDateFrom	AnalysisAccountable POSQuery AnalysisAccountable POSResponse	Start date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00
SetDateTo	AnalysisAccountable POSQuery AnalysisAccountable POSResponse	End date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00



14.2 Query XML Schema



14.3 Response XML Schema



15 Operational Prognosis SBS

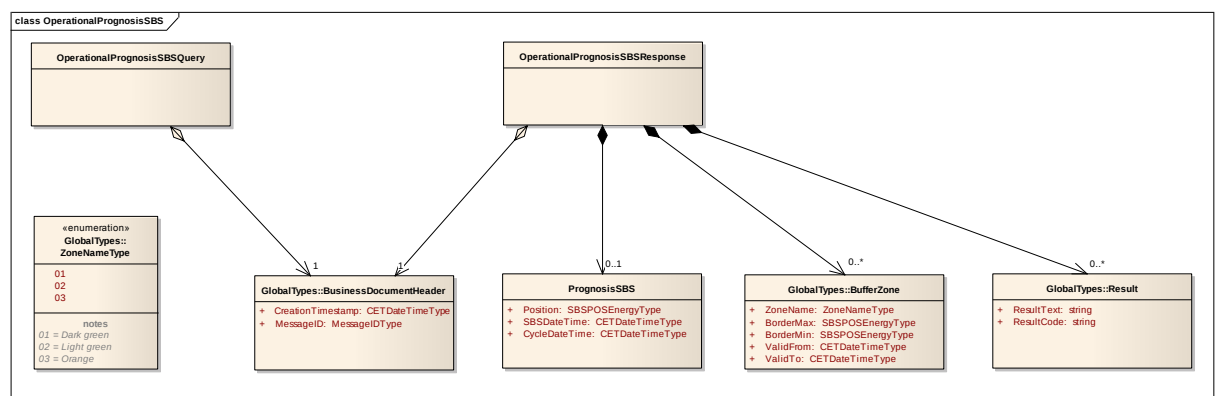
This GTS Information Service is a query/response business transaction. The response returns the prognosis of the hourly SBS value, based on 5 minute allocations. The response contains the buffer zones as well.

15.1 Class diagram

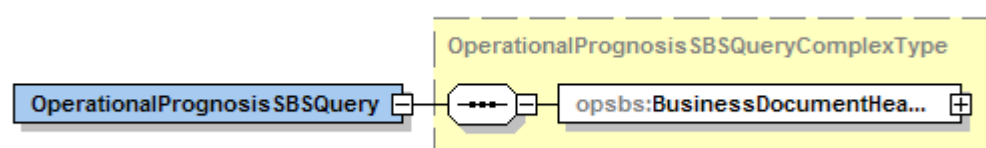
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

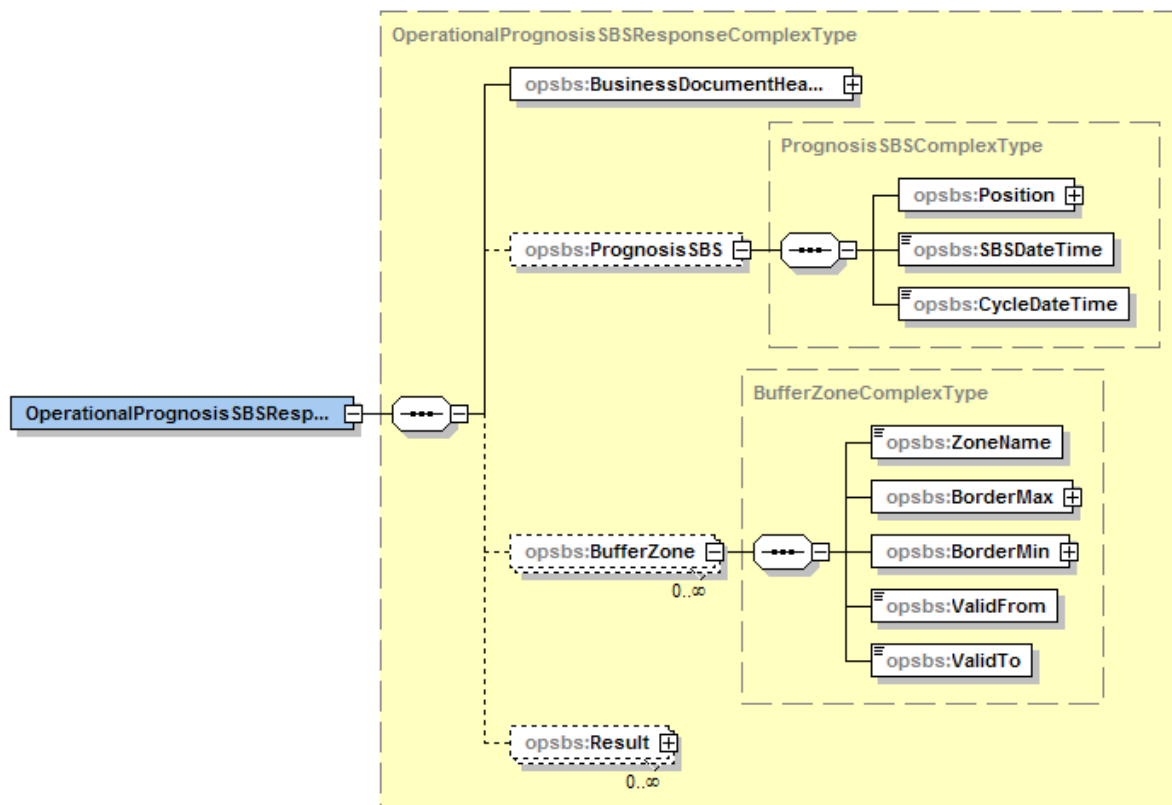
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time of the requested data. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00." Note: In this case this is <u>not</u> the date and time when the query or response was created.



15.2 Query XML Schema



15.3 Response XML Schema



16 Operational Accountable SBS

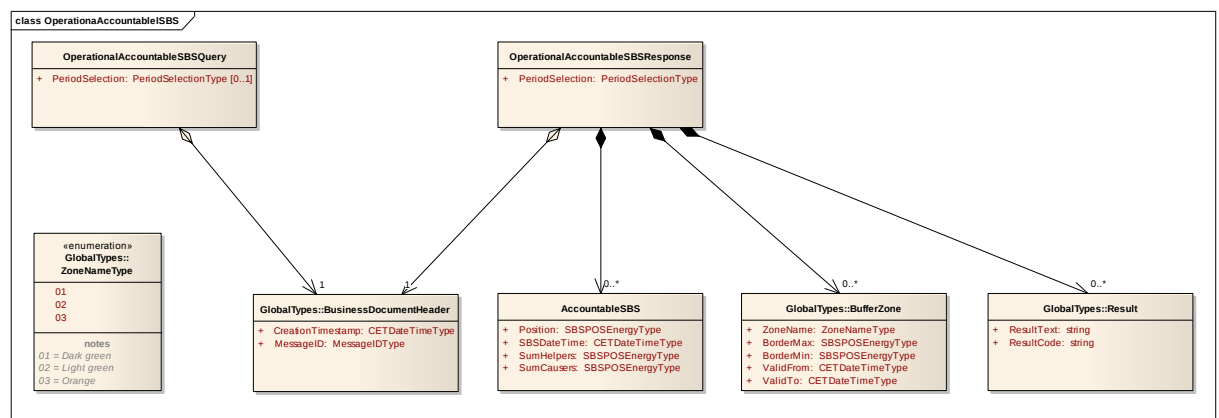
This GTS Information Service is a query/response business transaction. The response returns the hourly accountable SBS value(s) for the last hour or the last 24 hours. The SBS value is available after xx.15 each hour. The response contains the buffer zones as well.

16.1 Class diagram

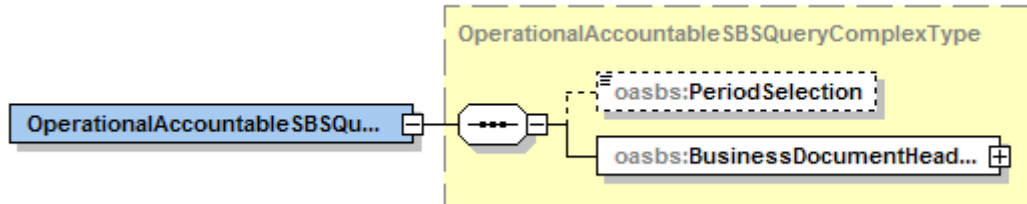
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

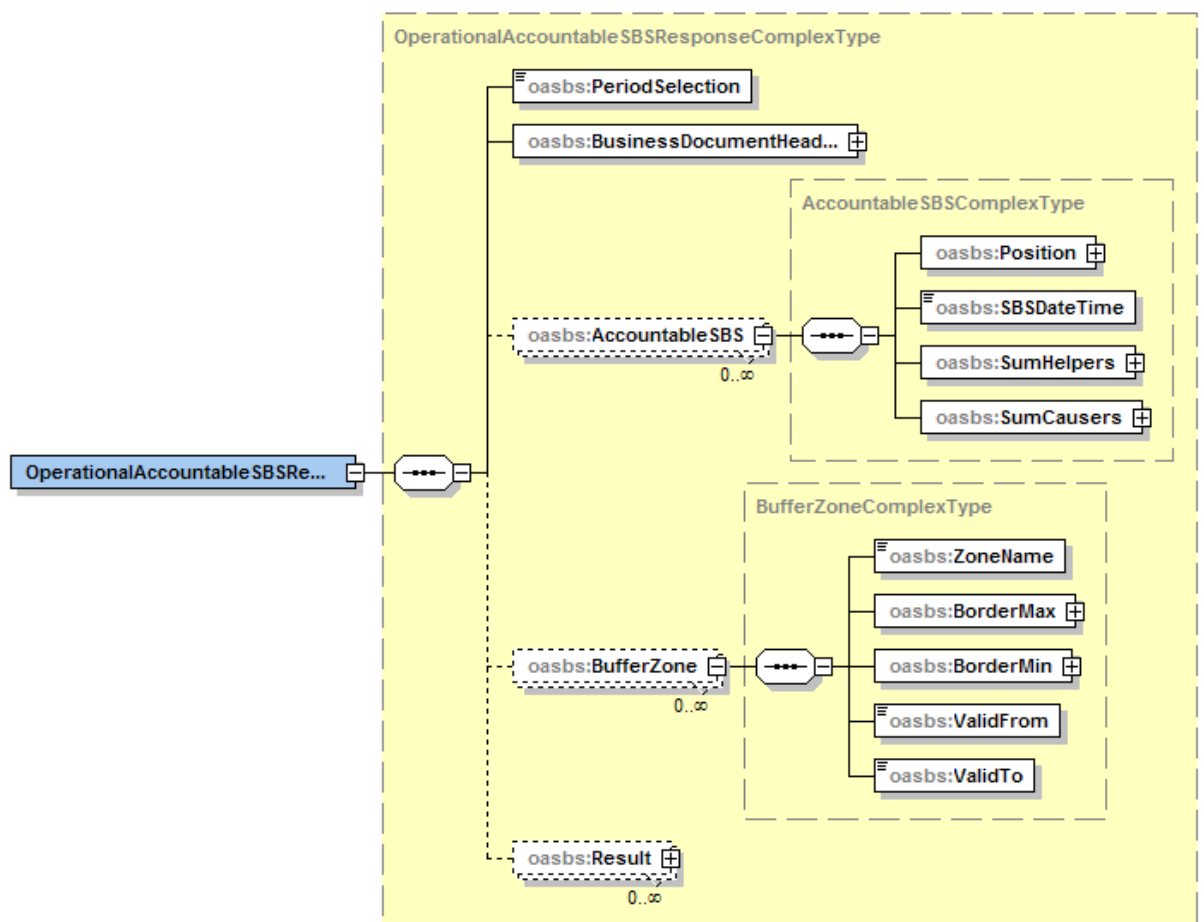
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time of the requested data. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00." Note: In this case this is <u>not</u> the date and time when the query or response was created.
PeriodSelection	OperationalAccountable SBSQuery OperationalAccountable SBSResponse	PeriodSelection choice HOUR or 24HOUR offers (default is HOUR): HOUR returns the last hourly value; 24HOUR returns the last 24 hourly values.



16.2 Query XML Schema



16.3 Response XML Schema



17 Analysis Accountable SBS

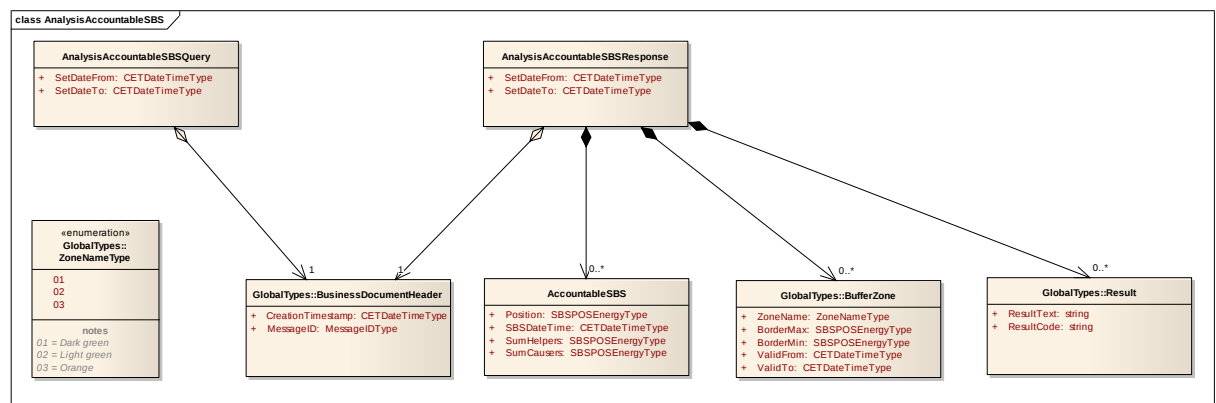
This GTS Information Service is a query/response business transaction. The response returns the hourly accountable SBS value(s) for the specified period. The response contains the buffer zones as well.

17.1 Class diagram

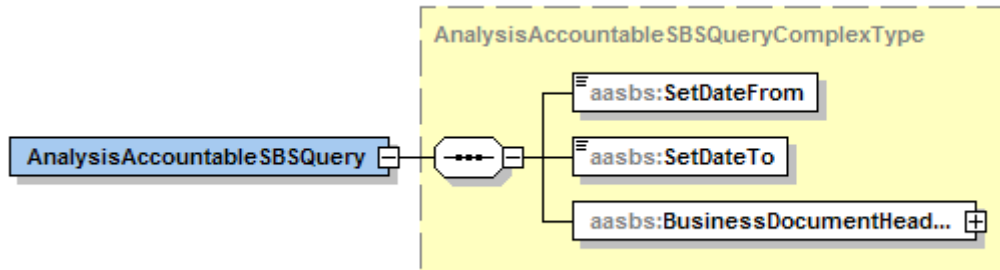
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

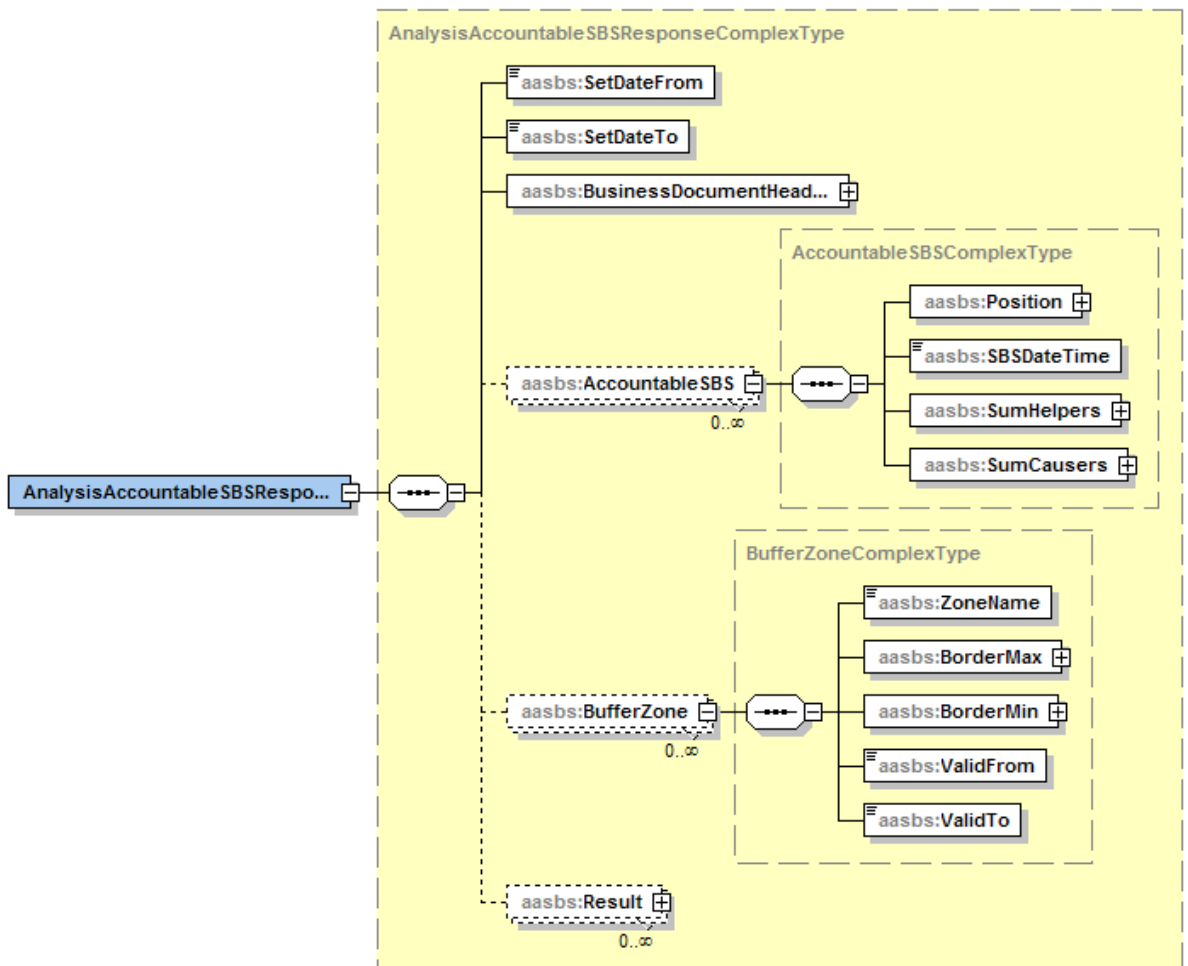
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
SetDateFrom	AnalysisAccountable SBSQuery AnalysisAccountable SBSResponse	Start date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00
SetDateTo	AnalysisAccountable SBSQuery AnalysisAccountable SBSResponse	End date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00



17.2 Query XML Schema



17.3 Response XML Schema



18 Operational Damping Parameters

This GTS Information Service is a query/response business transaction. The query must contain a period. The response returns the Operational Damping Parameters for the selected period.

Operational Damping Parameters are available 24 hours in the past from the current hour. Additionally, the Damping Parameters of the current gasday are available. After 09:00 AM, the Damping Parameters for the next gasday are available also.

Please note:

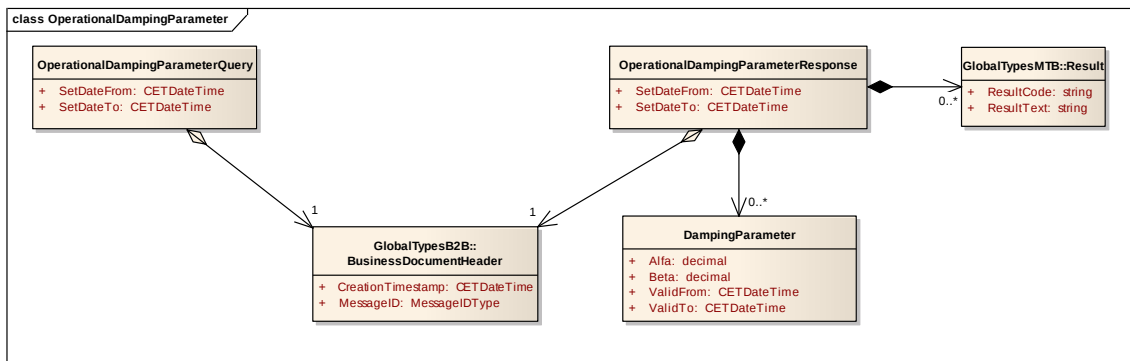
The Beta value is always equal to zero ($\beta=0$) in the response message.

18.1 Class diagram

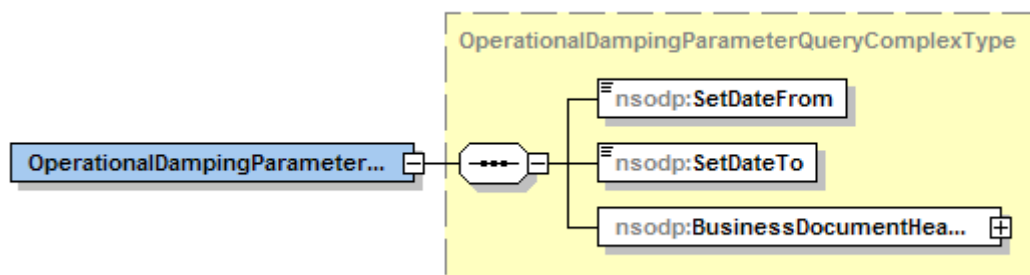
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

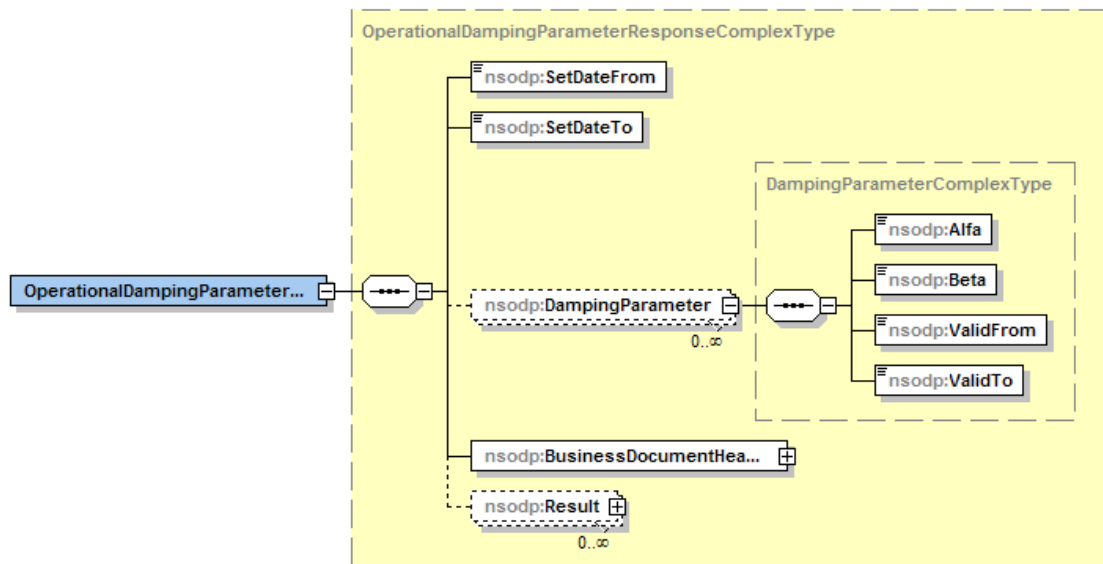
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
SetDateFrom	OperationalDampingParameters Query OperationalDampingParameters Response	Start date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
SetDateTo	OperationalDampingParameters Query OperationalDampingParameters Response	End date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.



18.2 Query XML Schema



18.3 Response XML Schema



19 Analysis Damping Parameters

This GTS Information Service is a query/response business transaction. The query must contain a period in the past (historic, more than 24 hour in the past). The response returns the Analysis Damping Parameters for the selected period.

Please note:

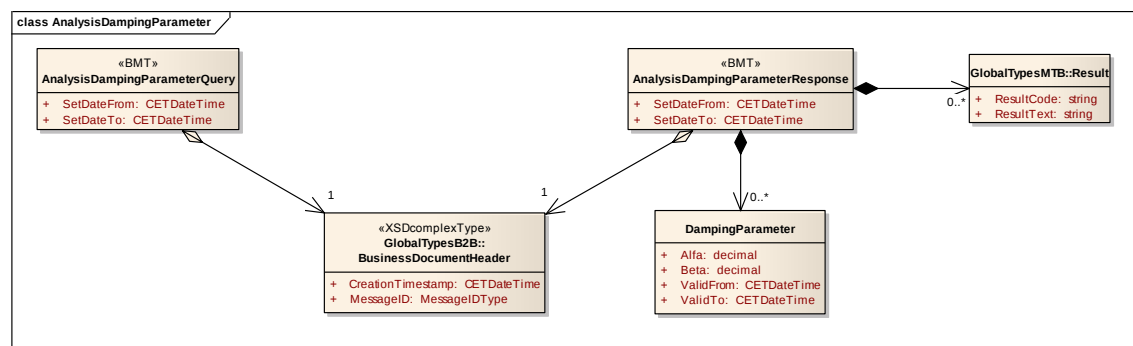
The Beta value is always equal to zero ($\beta=0$) in the response message.

19.1 Class diagram

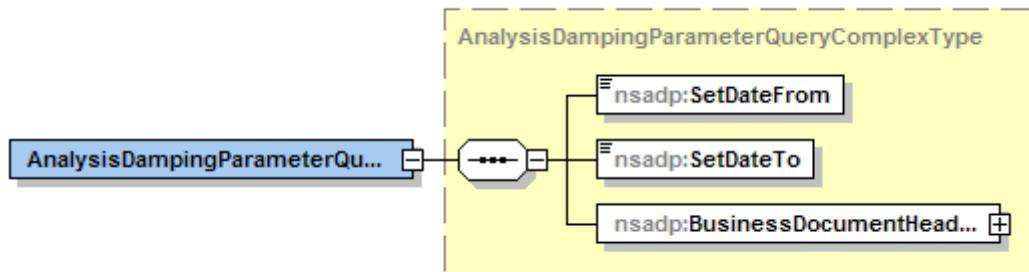
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

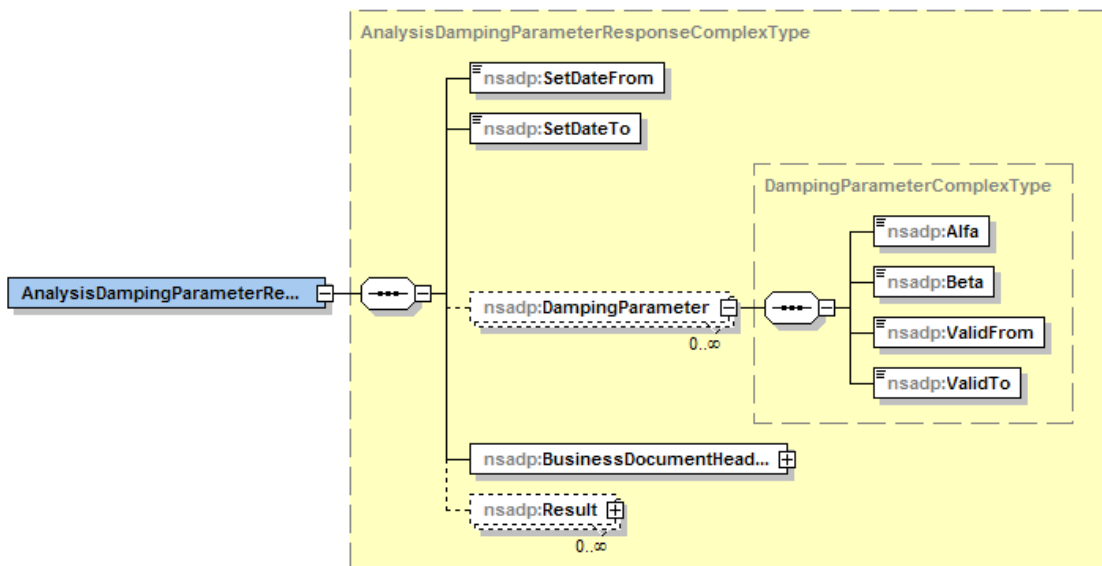
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
SetDateFrom	AnalysisDampingParameters Query AnalysisDampingParameters Response	Start date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
SetDateTo	AnalysisDampingParameters Query AnalysisDampingParameters Response	End date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.



19.2 Query XML Schema



19.3 Response XML Schema



20 Operational Bufferzones

This GTS Information Service is a query/response business transaction. The query must contain a period. The response returns the Operational Bufferzones for the selected period.

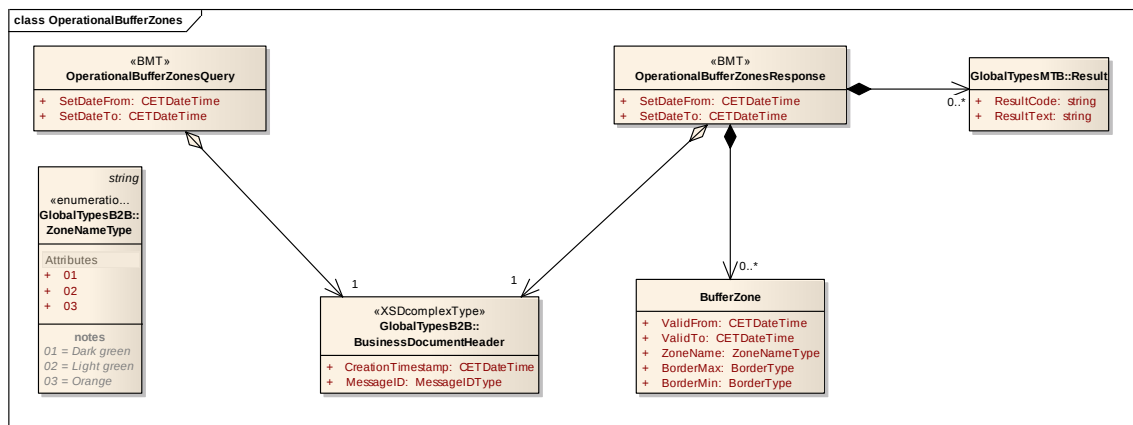
Operational Bufferzones are available 24 hours in the past from the current hour. Additionally, the Operational Bufferzones of the current gasday are available. Between 22:00 and 23:00 hour the Operational Bufferzones for the next gasday are available also.

20.1 Class diagram

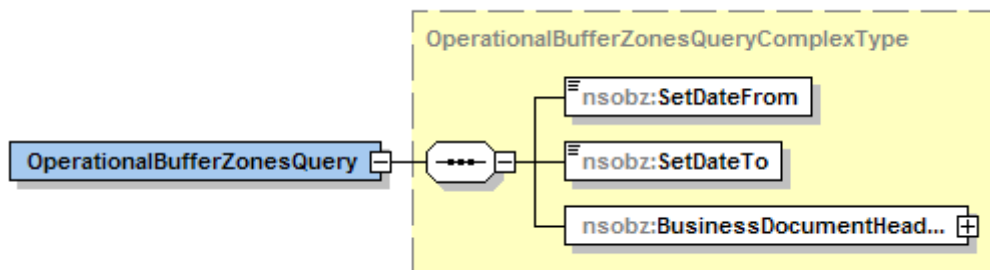
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

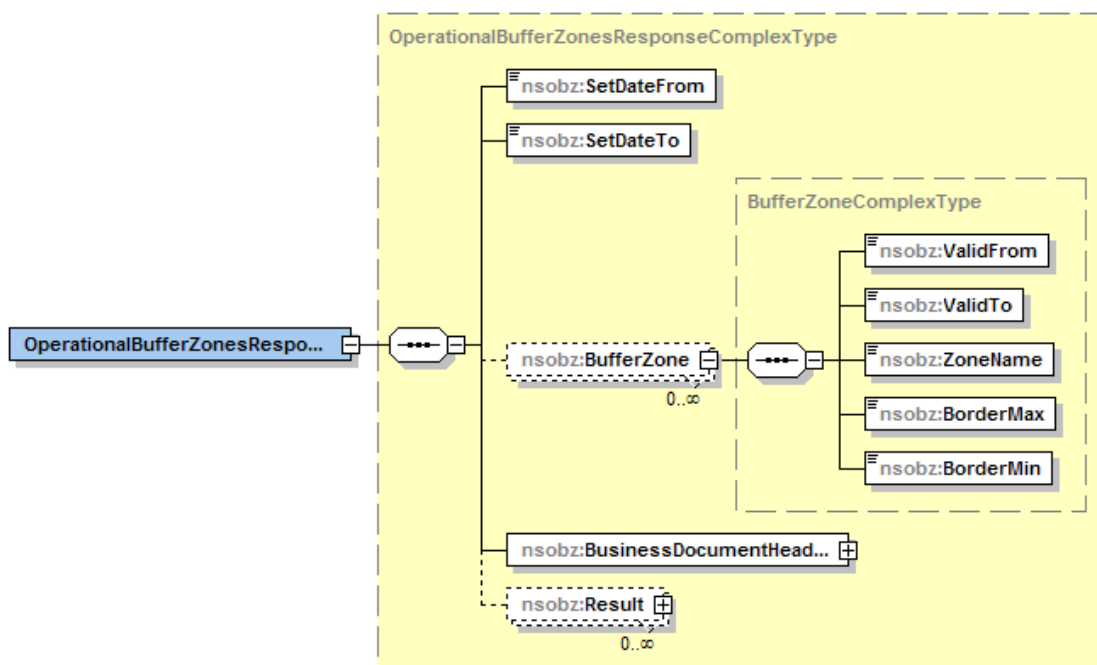
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
SetDateFrom	OperationalBufferZones Query OperationalBufferZones Response	Start date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
SetDateTo	OperationalBufferZones Query OperationalBufferZones Response	End date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.



20.2 Query XML Schema



20.3 Response XML Schema



21 Analysis Bufferzones

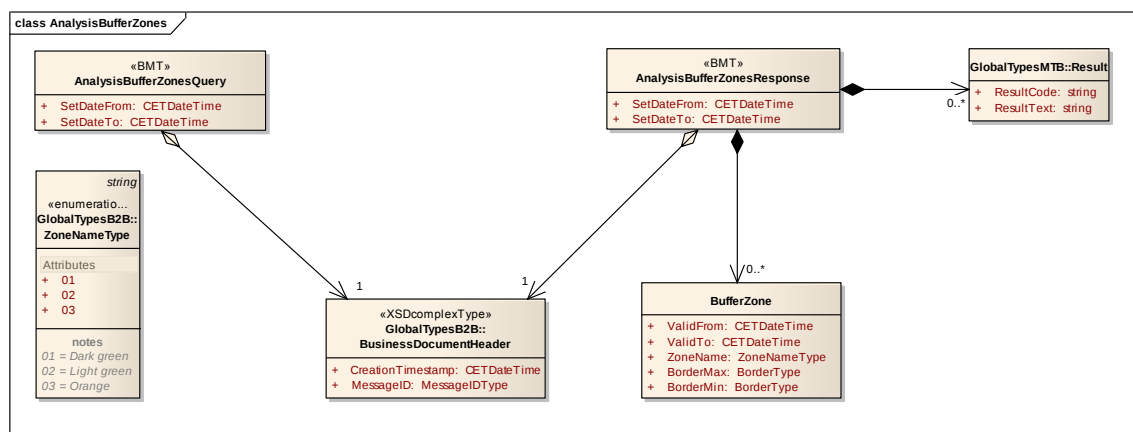
This GTS Information Service is a query/response business transaction. The query must contain a period in the past (historic, more than 24 hour in the past). The response returns the Analysis Bufferzones for the selected period.

21.1 Class diagram

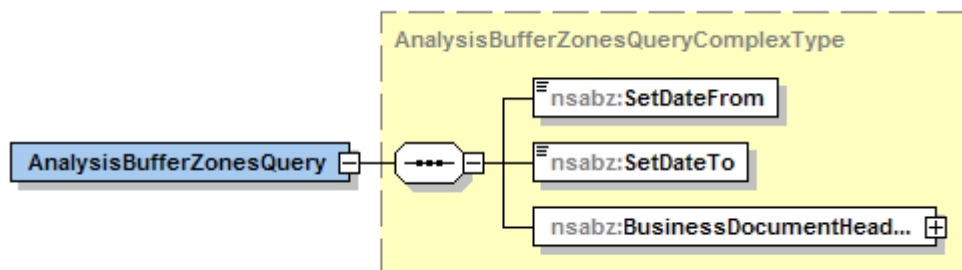
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

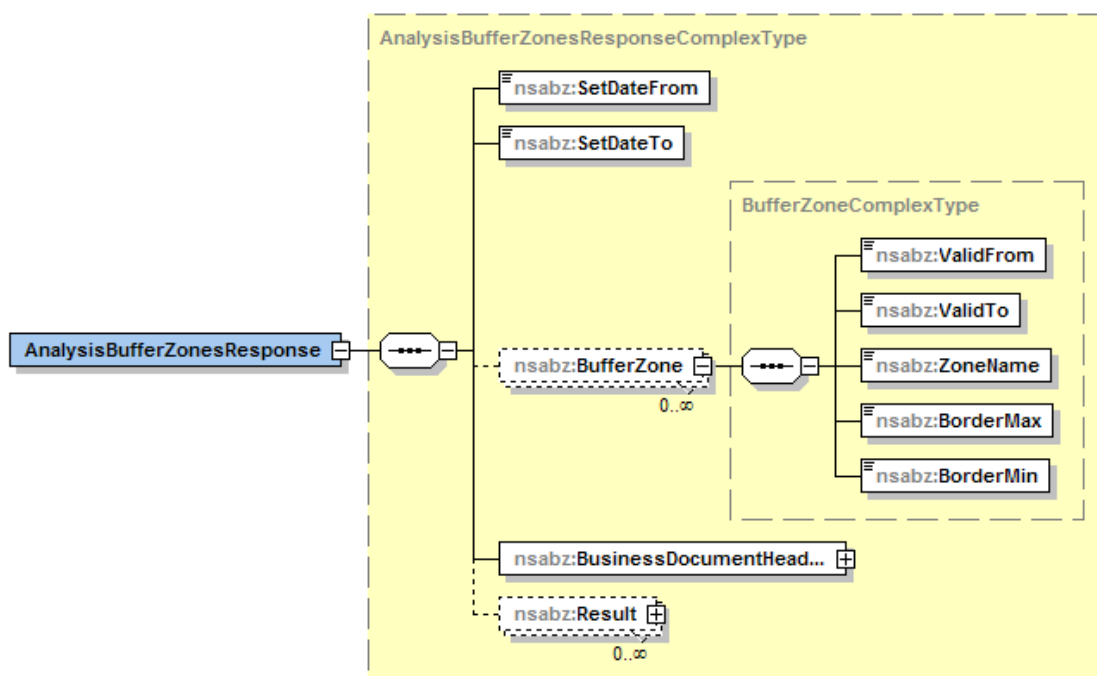
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
SetDateFrom	AnalysisBufferZones Query AnalysisBufferZones Response	Start date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
SetDateTo	AnalysisBufferZones Query AnalysisBufferZones Response	End date and time (in CET) of a period. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.



21.2 Query XML Schema



21.3 Response XML Schema



22 Operational Allocations Per Quality Label

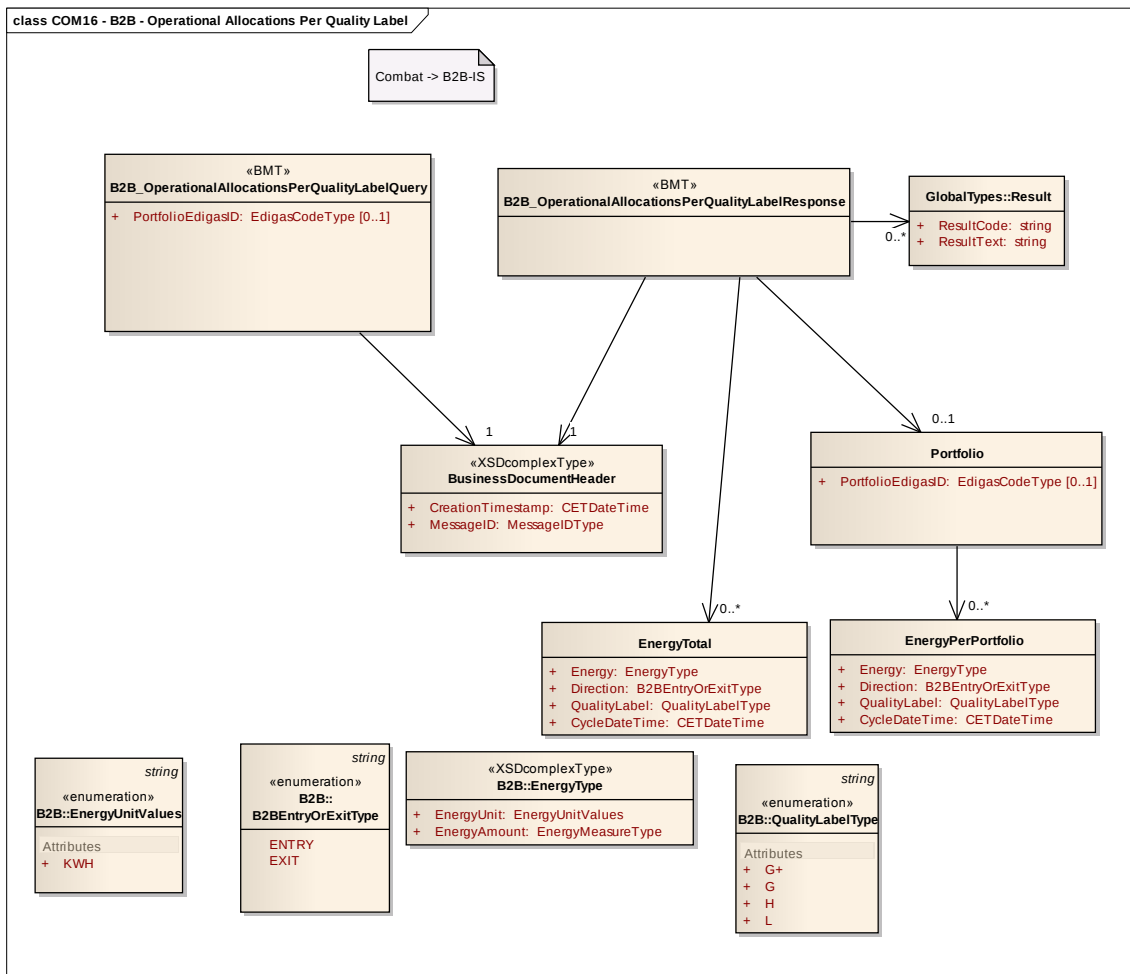
This GTS Information Service is a query/response business transaction. The query optional contains a Portfolio identifier. The response returns the aggregated energy of the last hourly cycle per portfolio (if requested) and the total GTS-system, divided per quality label per entry and exit flow. The portfolio is optional in the query. The requested data of the last hour is available if the hourly cycle is completed (after hh:15:00) and is determined by the CreationTime Stamp.

22.1 Class diagram

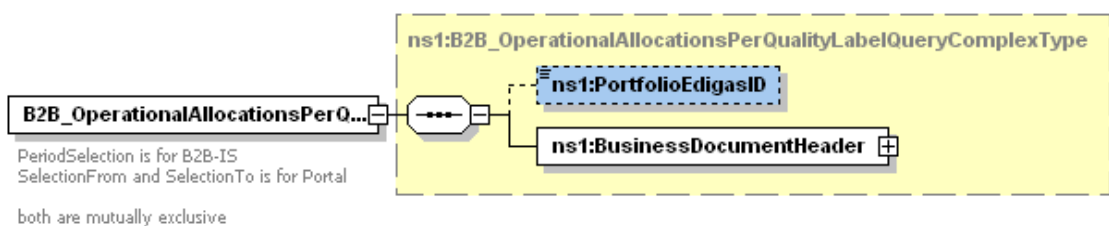
The class diagram represents the information being exchanged in this synchronous query/response business transaction.

An explanation of the most important attributes of this GTS Information Service can be found in this table:

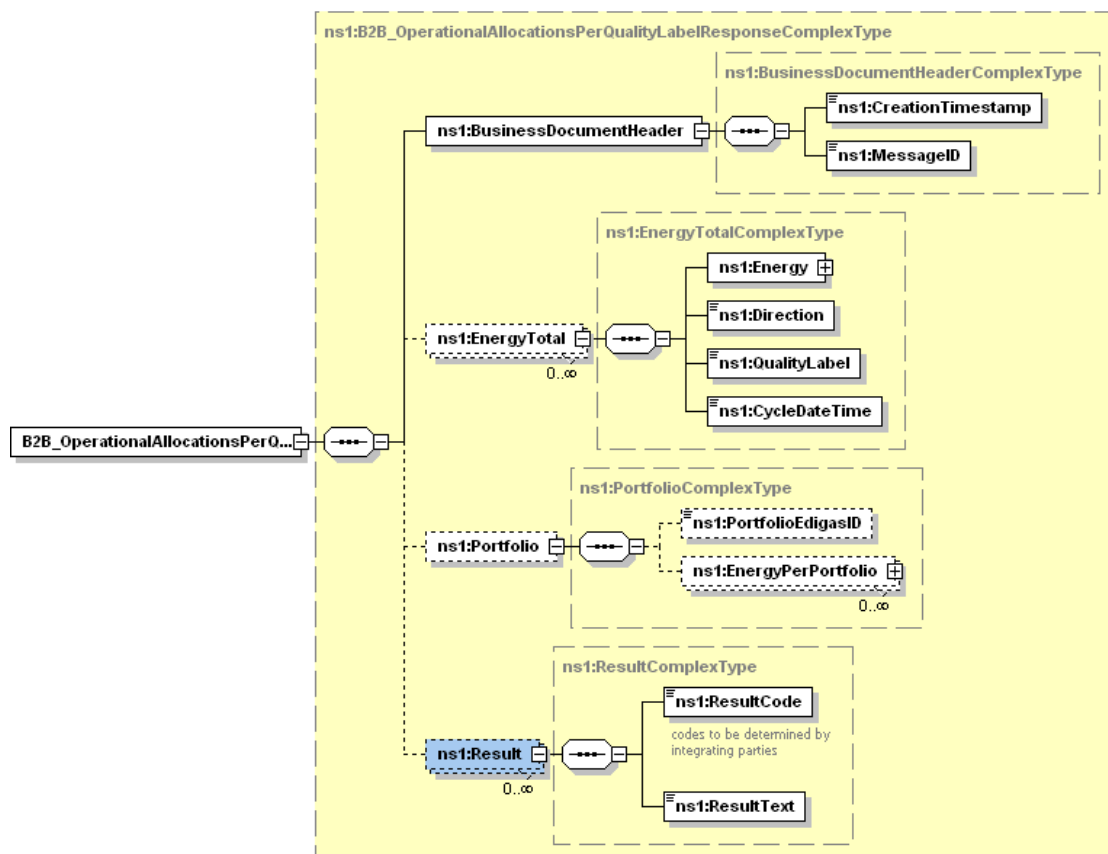
Attribute	Class	Description
MessageID	BusinessDocument Header	This identifier is a UUID used to uniquely identify every document instance, this UUID is provided by the infrastructure.
CreationTimestamp	BusinessDocument Header	The date and time when the query or response was created. Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
PortfolioEdigasID	Portfolio	This identifier is the Edigas code of the Portfolio.
CycleDateTime	Allocation	Date and time label (in CET). Pattern is [YYYY]-[MM]-[DD]T[hh]:[mm]:[ss]+01:00.
Energy	Allocation	Aggregated amount of energy of the last hour Example: for CycleDateTime 11:20 the amount of energy is returned from 10:00 to 11:00
Direction	Allocation	Entry or Exit. Entry has a negative, Exit a positive sign.
Quality Label	Networkpoint	Caloric value of the gas. L(low), H(high) or G(Groningen). 'G' and 'G+' is aggregated to 'G'.



22.2 Query XML Schema



22.3 Response XML Schema



Appendix A Error codes

This appendix lists the Error Numbers that are specified for all GTS Information Services. One or more of these Error Numbers may apply to the GTS Information Service(s) described in this document.

Error Number	External Message
10006	Message Processed too late
10007	Not a valid LDC network point
10008	You are not licensed for LDC
10010	Allocation deviation too large
10011	One or more allocation within netcoupling delivered
10012	One or more allocation(s) in netcoupling unreliable
10013	Not a valid NON LDC network point
10104	Confirmation Edigas networkpoint code is empty.
10105	Confirmation Edi contractcode is empty
10107	Counterparty portfolio is not found
10108	Quantity does not have a valid energy unit
10204	No measurement for allocation found
10254	End date time is in the past
10301	Program is completely in the past
10501	GC Identifier not found
10502	StationRun Identifier [{0}] not found.
10601	Contracted Working Volume of portfolio [0] is not sufficient
10602	Actual Available Working Gas of Portfolio [0] is not sufficient
51121	The requested period is invalid.
51122	There is no data available for this request.
51140	Run Identifier without Station Identifier
51150	Unauthorized portfolio/networkpoint combination
60022	StartDate [{0}] is older than 7 calendar years.
60130	QuantityType [{0}] not found.
60160	No Networkpoint found in request.
60170	Station [{0}] not found.
60180	Networkpoint [{0}] not found.
60181	Parent Networkpoint [{0}] not found.
60220	BusinessPartner [{0}] not found.
60230	Portfolio [{0}] not found.
60240	StartDate [{0}] is later than EndDate [{1}].
60280	Portfolio [{0}] not found
60320	Given enddate [{0}] is in the future
60440	Portfolio [{0}] / Networkpoint [{1}] combination not found
60470	MeasureUnitType [{0}] not found.
60480	No portfolio identification provided in request.
60481	Unauthorized portfolio [{0}] networkpoint [{1}] combination.
60520	BidPriceLadderCallType [{0}] not found
60540	QuantityType should be kWh or MWh
60600	Unauthorized networkpoint [{0}] for Business Partner [{1}].
60621	QuantityType should be kWh, MJ, GJ or m3g

Error Number	External Message
60640	End time/date [{0}] may not be greater than start time/date month [{1}] plus 3 full calendar months in the future
60650	The maximum requested period is longer than one year
60690	Selection period is not for previous gas day
60700	Selection period is not for previous gas day and current gas day.
69020	No networkpoint supplied for run
69030	Run [{0}] not found.
69040	GasChromatograph [{0}] not found.
69050	No station supplied for run
69051	Gastype [{0}] not found.
69053	Invalid system type [{0}].
70020	End time/date [{0}] may not be greater than start time/date [{1}] plus 31 full calendar days in the future
70030	End time/date [{0}] may not be greater than start time/date [{1}] plus 1 hour.
80000	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80010	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80020	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80030	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80040	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80050	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80060	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80070	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80080	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80090	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80110	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80120	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80180	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80190	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80200	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80210	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80220	An unexpected error occurred. Error logged in SynchronizeMessagesLog
80230	Changes found
80240	No changes found
80250	StartDate [{0}] is older than 4 years.
99995	An unexpected error occurred
99996	An unexpected error occurred
99997	An unexpected error occurred
99998	An unexpected error occurred
99999	An unexpected error occurred