SECTION

V Balancing Process

Version 5.1

EASEE-gas/Edig@s Workgroup

Document version: 2

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1 REFERENCES

The content of the electronic documents defined in the implementation guide are based on the definition of terms and codes as agreed by the Edig@s Workgroup.

For the definition of the roles outlined in figure 1 refer to the Edig@s RoleType codelist.

It is strongly recommended to read the Introduction to the Edig@s MIG before implementing this process since it contains a number of general rules that are applicable for all the Edig@s messages.

2 GENERAL OVERVIEW

The Edig@s environment has been created to support the exchanges required to support the basic activities for the sale, transport, balancing, allocation and settlement of gas in the dry gas market. These basic processes are covered in a set of implementation guides.

3 FUNCTIONAL DEFINITION

The current implementation guide covers the balancing process and is outlined in the use case diagram in figure 1.

3.1 BALANCE SUPPLIER DESIGNATION

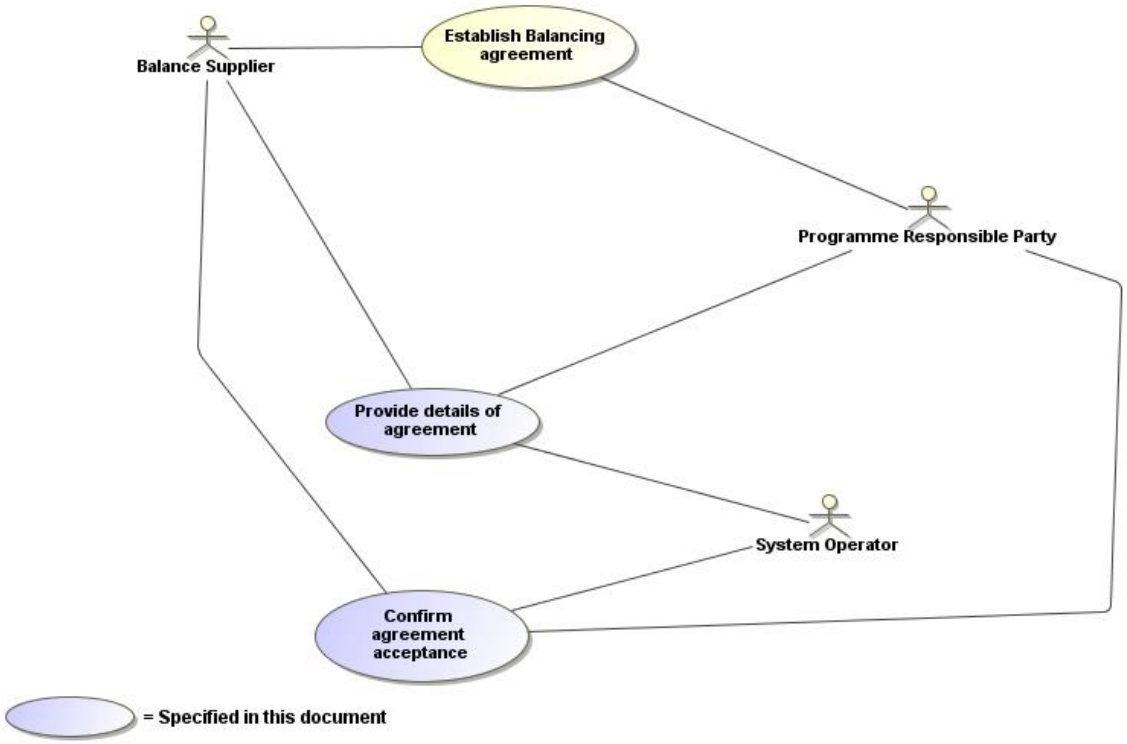


FIGURE 1: BALANCE SUPPLIER DESIGNATION USE CASE

The Balance Supplier designation process enables Programme Responsible Parties (parties that submit nominations to a System Operator; depending on market rules a Programme Responsible Party may be a Trade Responsible Party or a Shipper) and Balance Suppliers (parties that ensure contractually any imbalances that occur with the nominations of a Programme responsible party) to provide a System Operator with the information relative to balancing agreements that have been contracted between the two parties. These agreements shall be used during the settlement phase to take care of any imbalances that have occurred in any given gas day.

On a periodic basis whenever a Programme Responsible Party has contracted a balancing agreement with a Balance Supplier the balancing agreement in question is sent by both parties to the System Operator providing the information that can be used during the allocation to balance the Programme responsible party's situation during the period defined in the agreement.

The System Operator matches the information provided by both parties and informs them of the results of the match. Once the agreements have been successfully matched the System Operator stores the information for eventual use during the allocation phase.

3.2 ESTABLISH LOAD FORECASTS

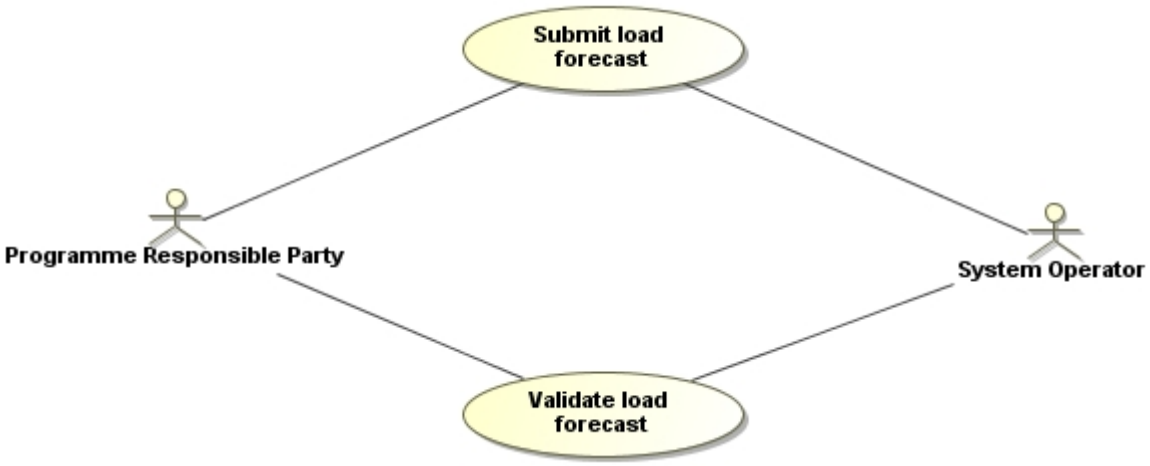


FIGURE 2: LOAD FORECAST ESTABLISHMENT

Before the beginning of a gas day the Programme Responsible Parties are obliged to submit to the System Operator their load forecast for the day ahead. The load forecast is validated and approved by the System Operator.

3.3 BALANCE AREA MANAGEMENT WITH RESERVE BIDDING

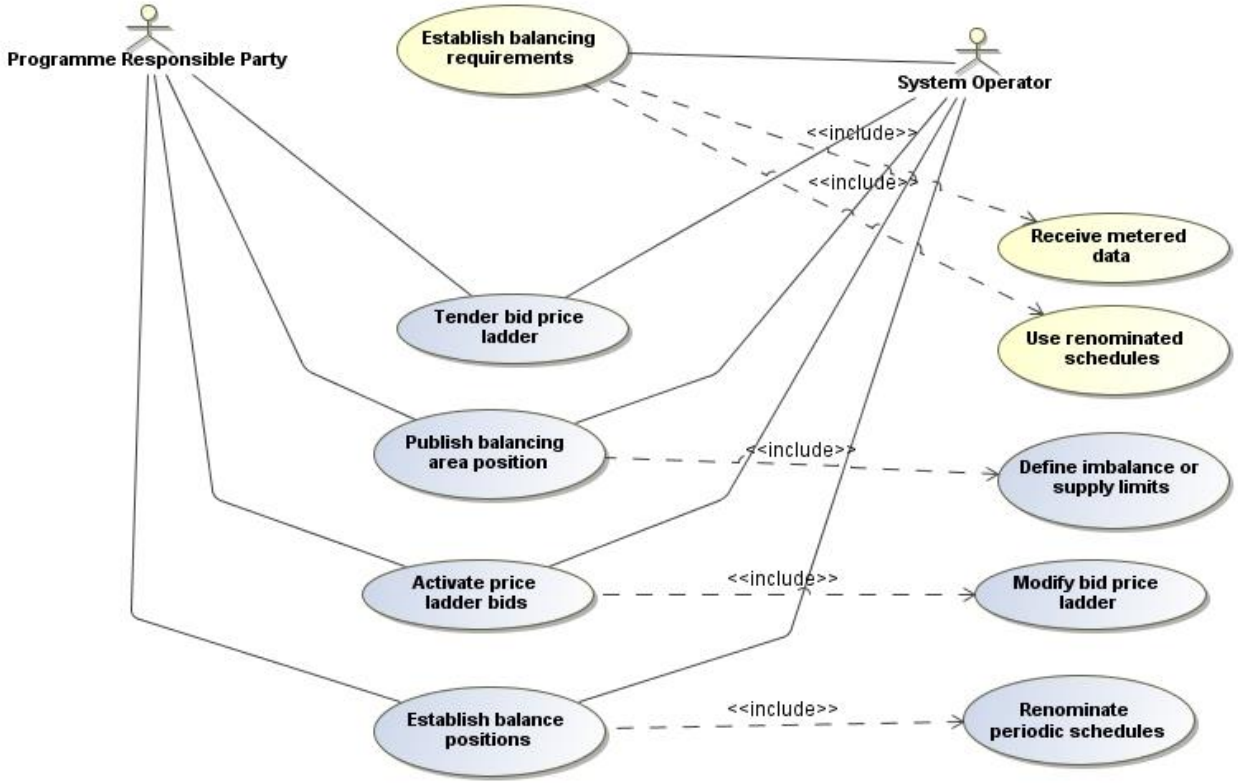


FIGURE 3: BALANCE AREA MANAGEMENT

The balance area management process enables a System Operator to cater for any unintended deviations from the normal nominated daily schedules. In order to cater for such unintended deviations a System Operator is required to determine the eventual possibility where the system could fall outside the normal operating limits of the network. Such operating limits include the potential for the System Operator to respond to limited overflow or underflow of the network without having to call upon external resources.

However, when the system falls outside defined limits the System Operator has to call upon additional resources from the market. The balance management process caters for both the request for additional resources and the establishment of the settlement rules for the offenders to pay for the cost of the use of the additional resources.

The identification of the additional resources is carried out by Programme Responsible Parties identifying their unused resources and presenting these resources for potential use at a given price.

This enables the System Operator to establish a bid price ladder from which resources may be called upon on a least price basis.

At a later stage the incurred costs are distributed amongst the market participants that were at the origin of the unintentional deviation.

3.3.1 BALANCE MANAGEMENT PRINCIPLES

Making use of any available load forecasts and eventually any nominated or renominated schedules as well as any metered data that has been received the System Operator identifies the requirements for potential additional resources. The System Operator publishes these balancing requirements so that the market is aware of what is necessary.

The Programme Responsible Parties that have available additional resources may provide their possibilities in the form of bids with a proposed price to the System Operator.

The System Operator establishes a "bid price ladder" by listing all the bids in an order that respects a formal sorting priority. The resulting bid price ladder is published for the day ahead. The bid price ladder may be revised during the course of the gas day in question.

With each case of unintentional deviation the System Operator activates a bid from the bid price ladder to stabilise the situation. With each activation the bid price ladder is modified accordingly.

The System Operator then identifies the market participants that aided in reducing the deviation as well as those that increased the deviation by establishing the balance position. This is set out in a balance report and sent to the market participants.

Where necessary the Programme Responsible Parties renominate the periodic schedules in order to take into account the information provided in the balance position report.

3.4 BALANCE AREA MANAGEMENT WITH RESERVE REQUESTS

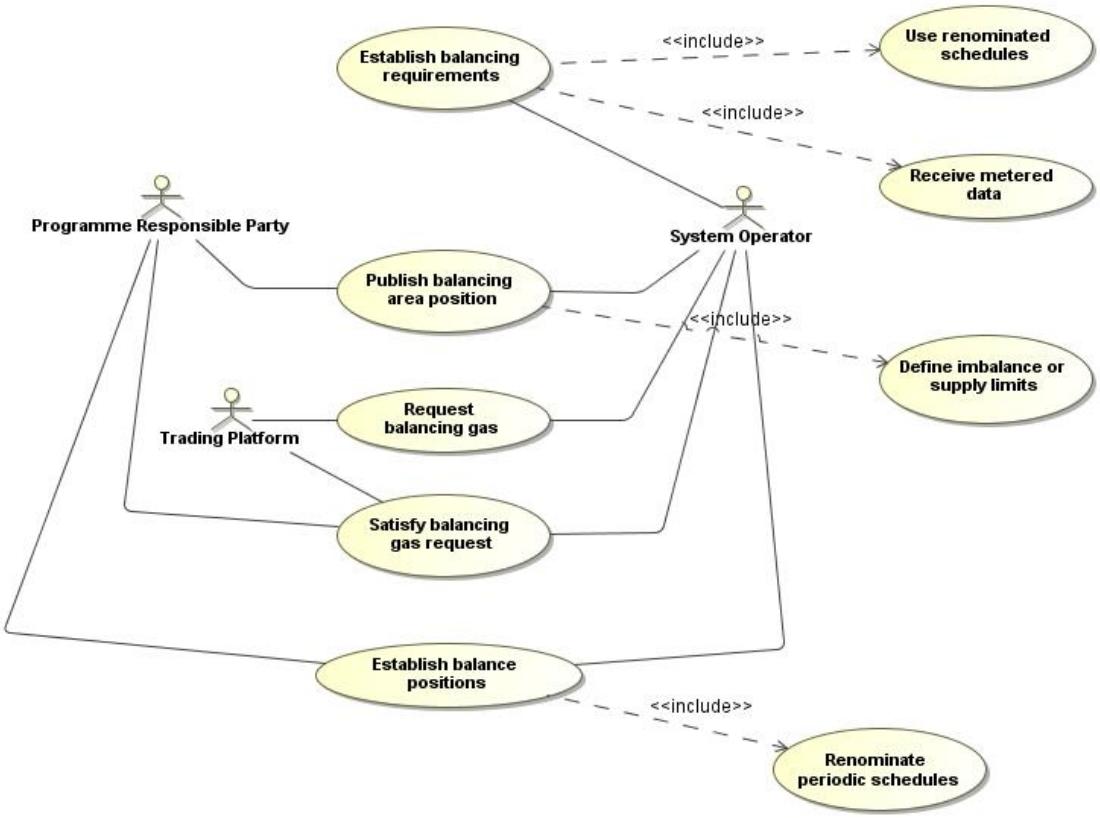


FIGURE 4: RESERVE REQUESTS

The balance area management process enables a System Operator to cater for any unintended deviations from the normal nominated daily schedules. In order to cater for such unintended deviations a System Operator is required to determine the eventual possibility where the system could fall outside the normal operating limits of the network. Such operating limits include the potential for the System Operator to respond to limited overflow or underflow of the network without having to call upon external resources.

However, when the system fails outside defined limits, the System Operator has to call upon additional resources from the market.

Before the beginning of a gas day, the System Operator forecasts the entry profile that the Shippers (called in this document Programme Responsible Parties) may follow to stay balanced. This entry profile forecast and the imbalance position (of the Shipper and of the market) and threshold forecast (based on the nominations and on the load forecast) are communicated to the Programme Responsible Parties for the day ahead.

The System Operator identifies the requirement for potential additional resources as well as the imbalance causers.

The System Operator then publishes a trading request on the Trading Platform. When the trade is covered, the Trading Platform shall inform the System Operator about the schedule, the price, the quantity, and the name of the counter party. The Shipper shall nominate respecting the trade that has been carried out.

The System Operator establishes a new balancing position for the market and for each Shipper. The aggregated information as well as the settlement price is then communicated to all the Shippers in addition to the individual situation of the Shipper.

Where necessary the Programme Responsible Parties renominate in order to take into account the information provided in the balance position report.

3.5 FIELD OF APPLICATION

3.5.1 BALANCE SUPPLIER DESIGNATION SEQUENCE

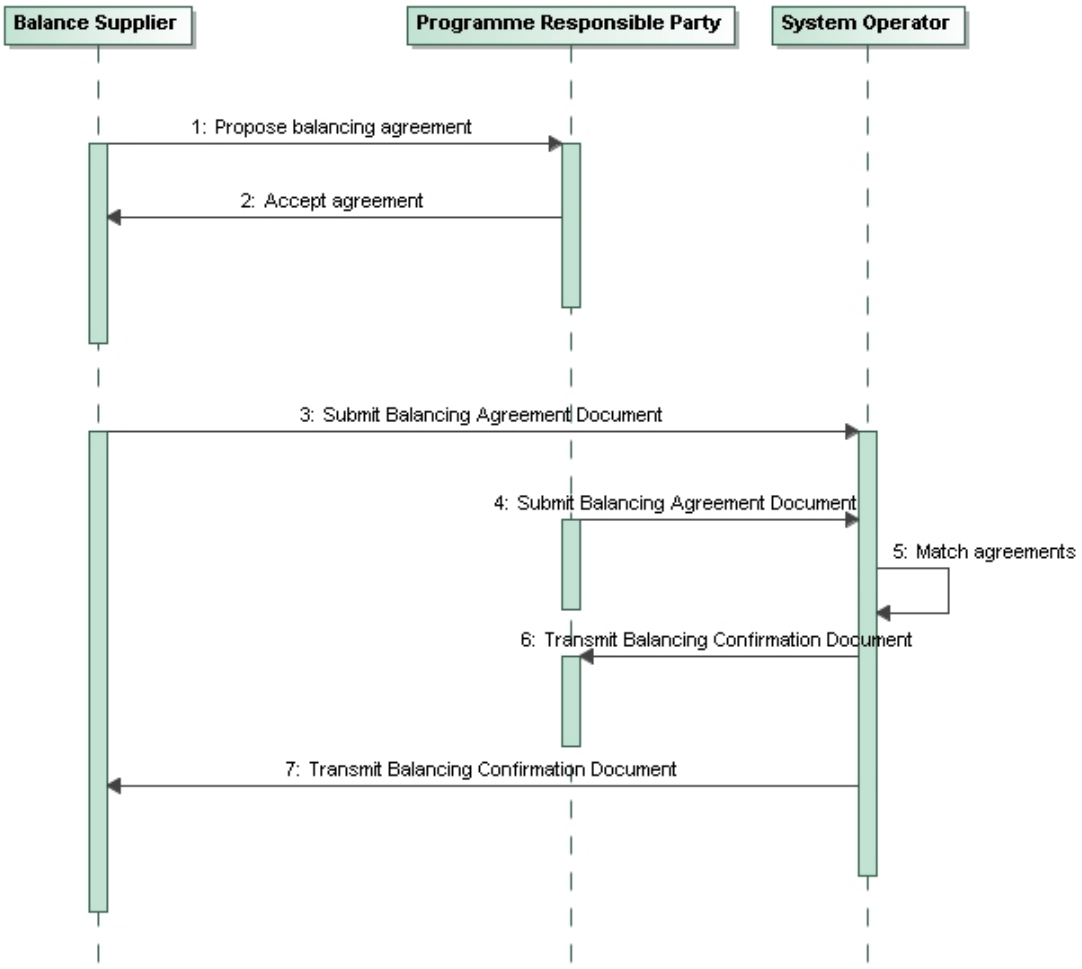


FIGURE 5: BALANCE SUPPLIER DESIGNATION SEQUENCE

The first phase of the Balance Supplier designation process is not within the bounds of this specification and it concerns the contractual negotiation between the Programme Responsible Party and the Balance Supplier to come to a contractual agreement (steps 1 and 2).
Once both parties have reached agreement a balancing agreement message is sent by both parties to the System Operator to inform him of the agreement (steps 3 and 4).
The System Operator, once the agreements have been received from both parties, carries out a match of the agreement to ensure that there are no differences in content (step 5).
At the end of the matching process both parties are informed of the results (step 6 and 7).

3.5.2 LOAD FORECAST SEQUENCE

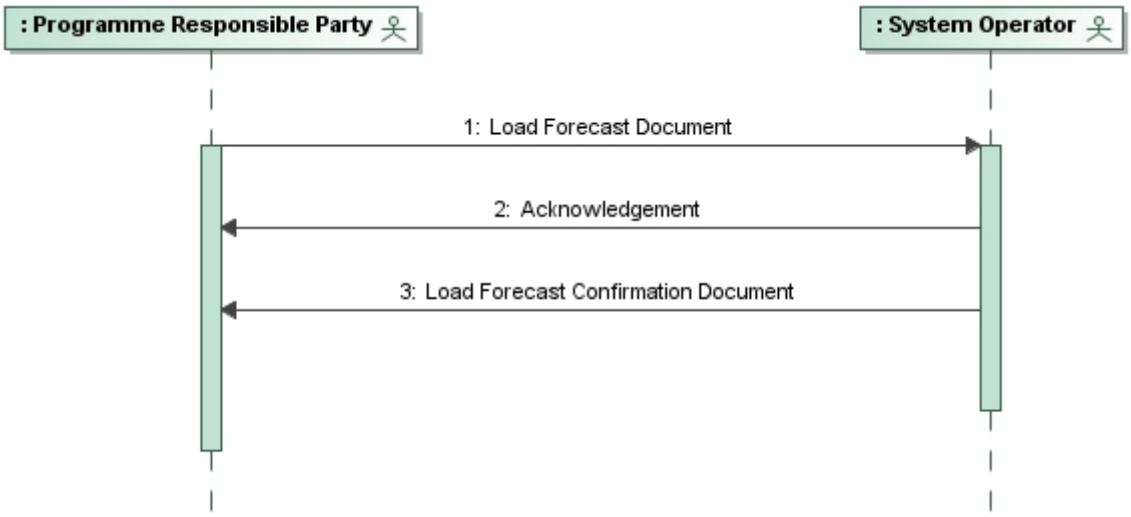


FIGURE 6: LOAD FORECAST SEQUENCE

This phase of the balance area management process necessitates the submission of the Load Forecast Document (PRODOC) by the Programme Responsible Parties to the System Operator. All Load Forecast Documents submitted are acknowledged after successful reception by the System Operator through the use of a standard acknowledgement document.
This load forecast is verified and validated and the results of this process are provided to the Programme Responsible Party in the form of a Load Forecast Confirmation Document (PROCON).

3.5.3 BALANCE AREA MANAGEMENT SEQUENCE WITH RESERVE BIDDING

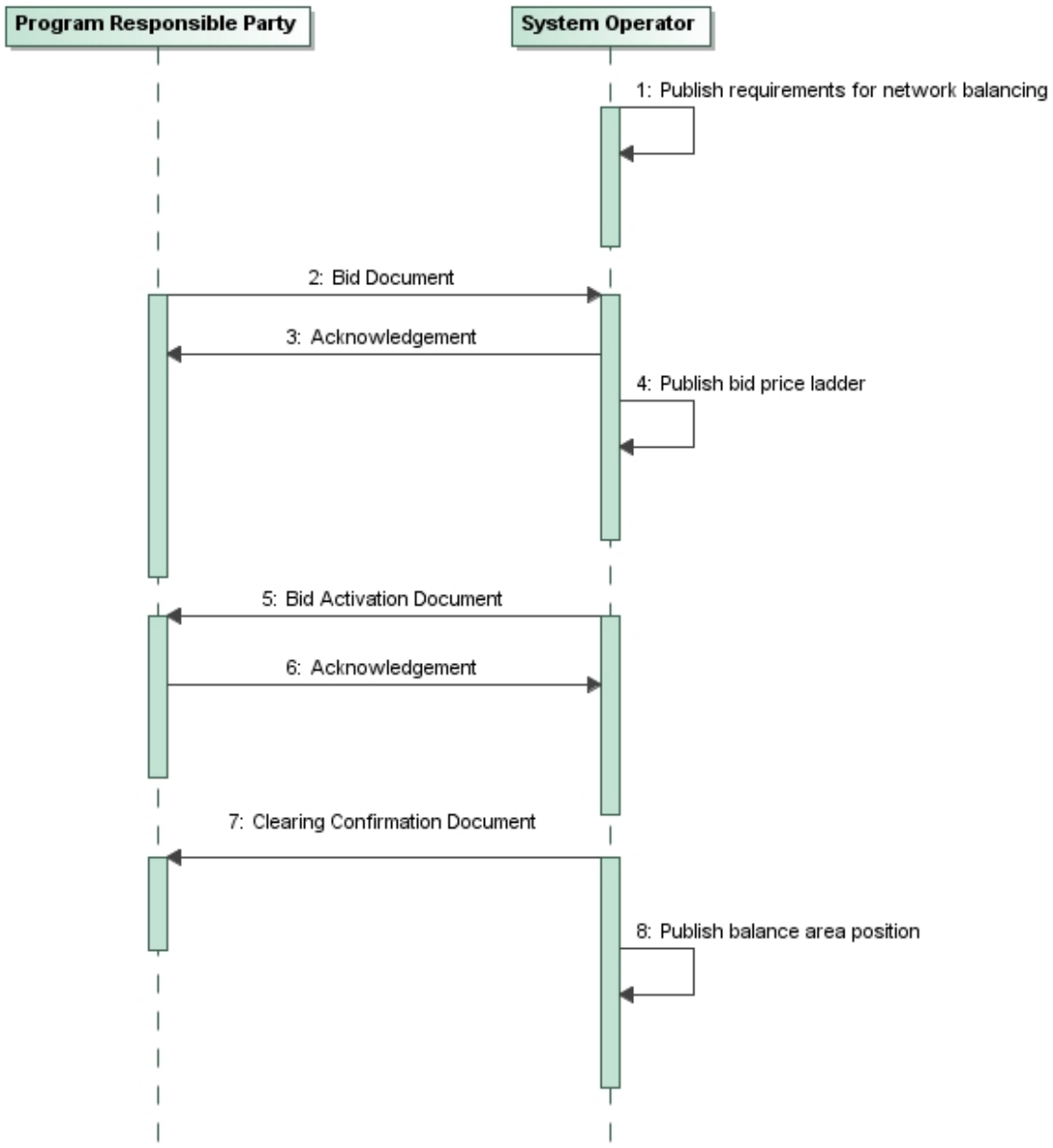


FIGURE 7: BALANCE AREA MANAGEMENT SEQUENCE FOR BIDDING

The bidding process takes place when the System Operator publishes the requirements of the resources necessary to ensure the network balancing of the system.
The Programme Responsible Parties can offer to the System Operator any available resources that they can dispose of through the use of a Bid Document (BIDDOC). This document enables the Programme Responsible Party to submit bids for the hours, quantities and prices where resources can be supplied. The System Operator acknowledges reception of these bids through the use of a standard Acknowledgement Document.
The bids are then assembled together into a bid price ladder using market specific criteria. Whenever resources are necessary the System Operator examines the bid price ladder and takes the first bid satisfying the requirements from it. He then calls up the resources from the Programme Responsible Party with the activation of the bid in question using a Bid Activation Document (BIDACT). The bid price ladder is adjusted accordingly.
After each call the concerned Programme Responsible Parties are informed through a Clearing Confirmation Document (CLRCON) of the changes of their account situation. Certain parties may be considered as providing assistance to the stability of the network and will have their situation credited whereas other parties may be considered as worsening the situation of the network and will have their situation debited.
The position of the balance area is published after the occurrence of each event.

3.5.4 BALANCE AREA MANAGEMENT SEQUENCE WITH RESERVE REQUESTS

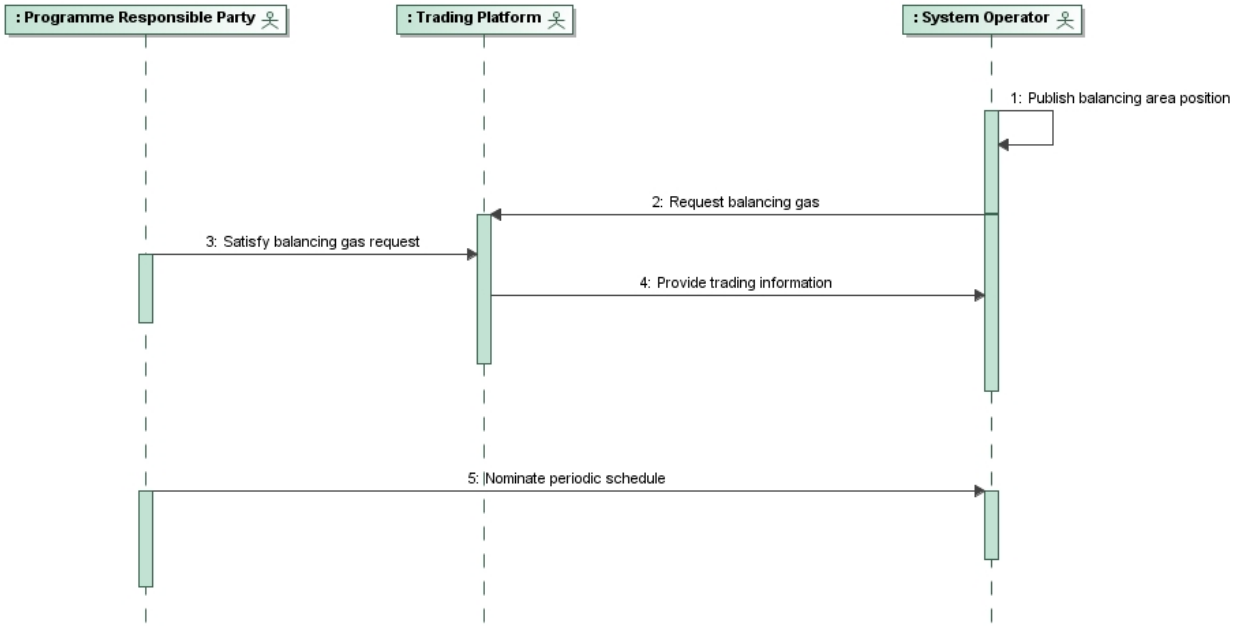


FIGURE 8: BALANCE AREA MANAGEMENT SEQUENCE FOR REQUESTS

The balancing process takes place when the System Operator publishes the entry profile forecast, imbalance position (of the Shipper and of the market) and threshold forecast.
In case of balance deviation, the System Operator publishes the requirements of the resources necessary to ensure the network balancing of the system.
After the publication of a trade request by the System Operator on the Trading Platform and the positive response of a Trader, the Trading Platform informs the System Operator about the results of the trade request through a Bid Document. The related Programme Responsible Party shall nominate the trade quantities.
The position of the balance area is then recalculated and republished by the System Operator.

3.6 WORKFLOW

3.6.1 BALANCE SUPPLIER DESIGNATION WORKFLOW

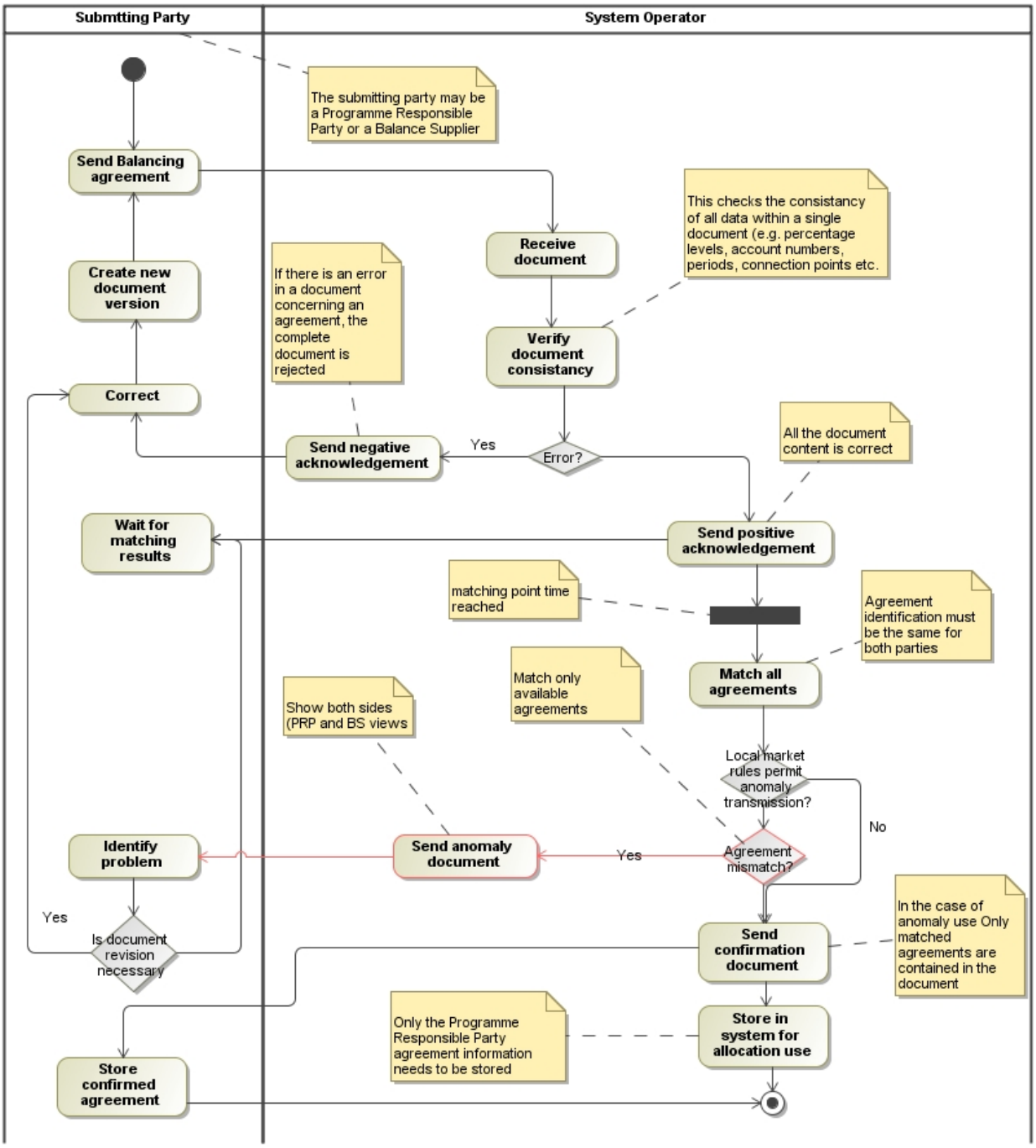


FIGURE 9: BALANCE SUPPLIER DESIGNATION WORKFLOW

The Balance Supplier designation process begins with the transmission by the submitting party (Programme Responsible Party or Balance Supplier) to the System Operator of the balancing agreement that has been contracted between two parties. The Programme Responsible Party shall inform the System Operator of the Balance Supplier that will assume the responsibility of ensuring that his account is in balance up to a certain level. The Balance Supplier shall inform the System Operator of the accounts and the extent for which he will accept balance coverage.
The System Operator will in the initial instance verify the consistency and coherence of the information provided by the submitting party. In the case of an error the System Operator will inform the submitting party of the problem. Otherwise the System Operator will acknowledge successful reception of the document.

In a second phase the System Operator will compare the information provided by both the submitting parties once the information has been received from both sides.
If local market rules permit, the System Operator will inform both parties if there is an anomaly between the two documents. Otherwise some specific local market error correction rules shall be applied and both parties will be informed of the outcome.

3.6.2 BALANCE AREA MANAGEMENT WORKFLOW FOR RESERVE BIDDING

3.6.2.1 LOAD FORECAST WORKFLOW

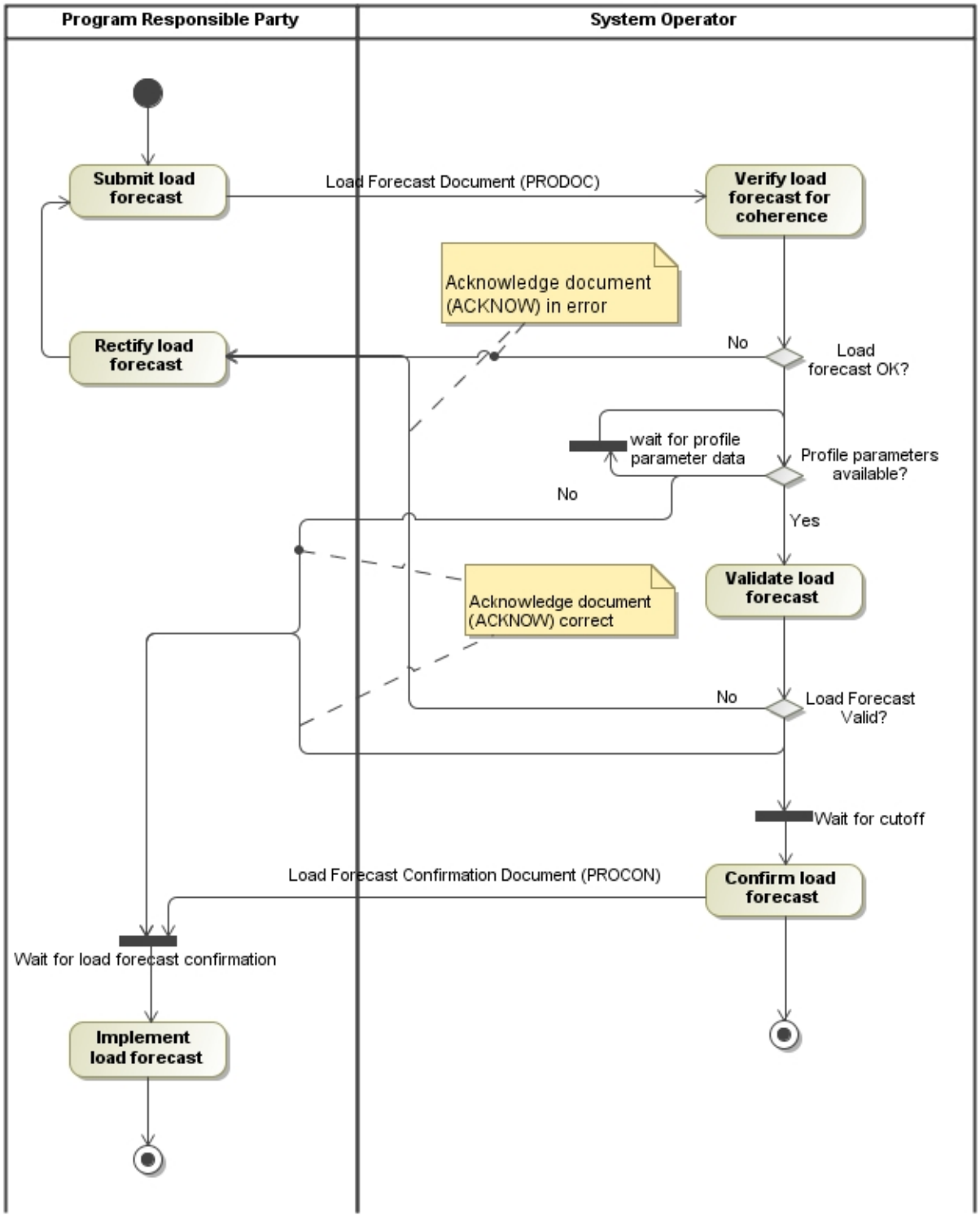


FIGURE 10: LOAD FORECAST WORKFLOW

The daily balance area management process for the day ahead starts with the submission of the Load Forecast Document (PRODOC) to the System Operator by the Programme Responsible Party.

On reception the System Operator verifies the overall coherence of the document and if there is a problem informs the Programme Responsible Party accordingly.
If the data necessary to apply any profile parameters is unavailable an acknowledgement is sent informing him that the information is correct at the current time.
When the data necessary to apply the profile parameters becomes available the System Operator validates the Load Forecast Document for the Programme Responsible Party. A positive acknowledgement is sent by the System Operator if no problems have been identified. Otherwise a negative acknowledgement is sent informing him of the problems.
Once all the load forecasts have been received or the cut off time has passed the System Operator ensures that all entry and exit load forecasts correspond.
When all the checks have been successfully carried out the System Operator informs the Programme Responsible Party that everything is in order with a Load Forecast Confirmation Document (PROCON).

3.6.2.2 BIDDING AND ACTIVATION PROCESS WORKFLOW

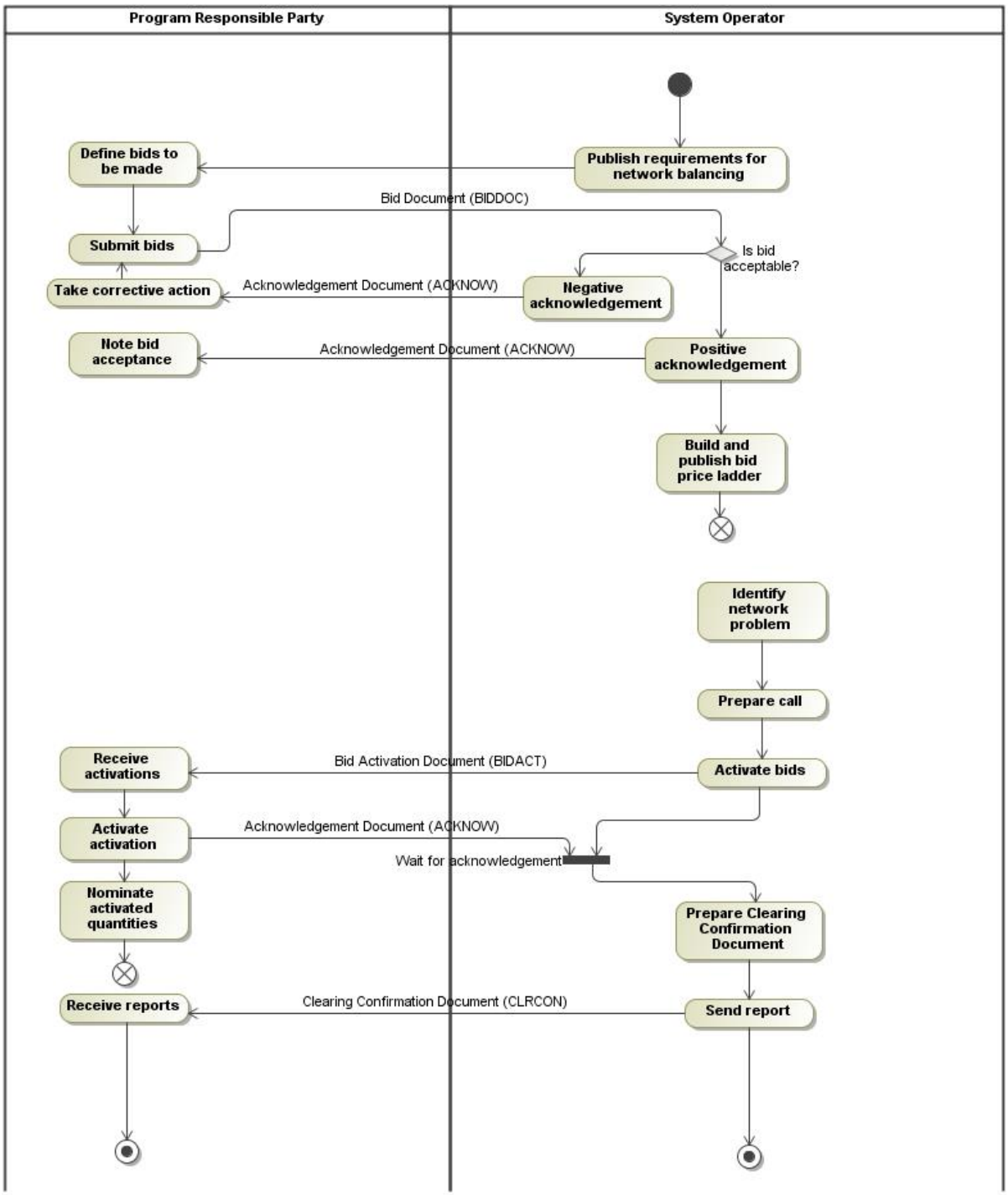


FIGURE 11: BID AND ACTIVATION WORKFLOW

The bidding process is initiated by the System Operator who evaluates the requirements of the energy necessary to ensure network balancing for the coming gas period and makes these available to the Programme Responsible Parties.
The Programme Responsible Parties define their bid strategy and submit their bids to the System Operator making use of a Bid Document (BIDDOC).
The System Operator verifies that the bid is coherent and if everything is alright sends a positive acknowledgement. In the case of problems a negative acknowledgment is sent and the Programme Responsible Party reviews the problem and resubmits a new version of the Bid Document with the corrected information.
The System Operator uses the accepted bids to build up a bid price ladder that is then published. This ends the first phase of the bidding and activation process.
Whenever a network problem is identified which requires the injection or subtraction of gas from the network the System Operator initiates the activation process.
The bid price ladder is examined and the Programme Responsible Parties whose bids satisfy the requirements to bring the network back to a stable position are called up through a Bid Activation Document (BIDACT) with the quantities of the gas required to meet the System Operators network security needs. The bid price ladder is adjusted accordingly.
The Programme Responsible Parties acknowledge reception of the Bid Activation Document and then prepare the necessary nominations needed to meet the required gas quantities.
Once the Programme Responsible Parties have acknowledged the Bid Activation Document the System Operator prepares the Clearing Confirmation Document (CLRCON) to provide all the interested parties with their situation in relation to the call that had been made. Some parties will be considered as naturally having helped the network balancing problem whilst others will be considered as having caused the network balancing problem. Depending on the case each party will be informed of the deviation that has been allocated to it through the transmission of the Clearing Confirmation Document.

3.6.3 BALANCE AREA MANAGEMENT WORKFLOW FOR RESERVE REQUESTS

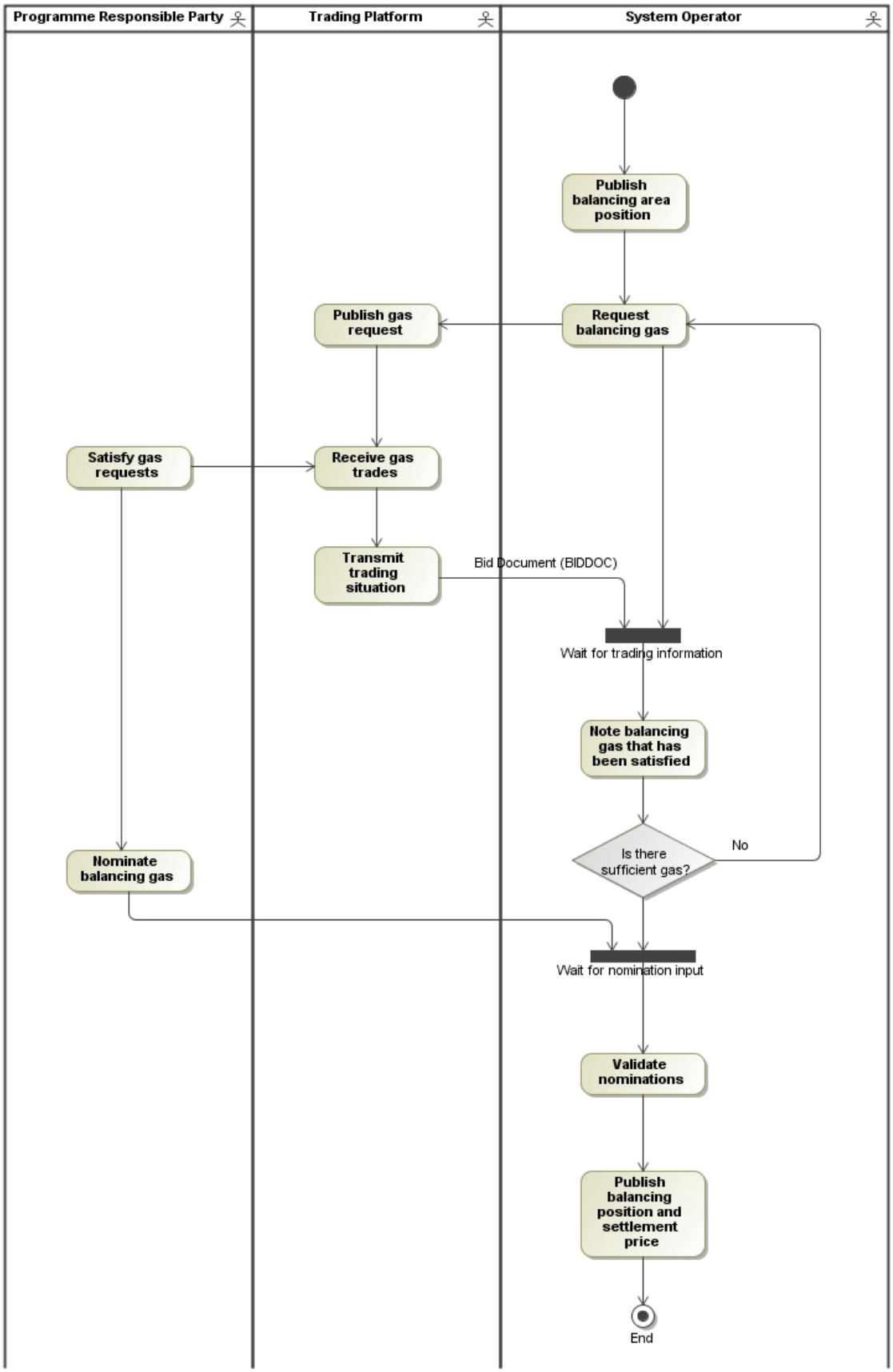


FIGURE 12: BALANCING REQUEST ACTIVATION WORKFLOW

The balancing process is initiated by the System Operator who evaluates the requirements of the energy necessary to ensure network balancing for the coming gas period. The System Operator identifies the causers responsible of the market imbalance event.
The System Operator publishes all the information related to the balancing process.
The System Operator activates a trade on the Trading Platform and waits for a positive response of a trader.
The Trading Platform informs the System Operator in case of positive response with the information needed to balance the network. The System Operator checks that a Shipper correctly nominates the trade quantity.
The System Operator communicates the new market balancing position as well as the settlement price to the Shippers along with their detailed position. The Shippers can then take any appropriate action.

4 CONTEXTUAL MODEL OF LOAD FORECAST DOCUMENT (PRODOC)

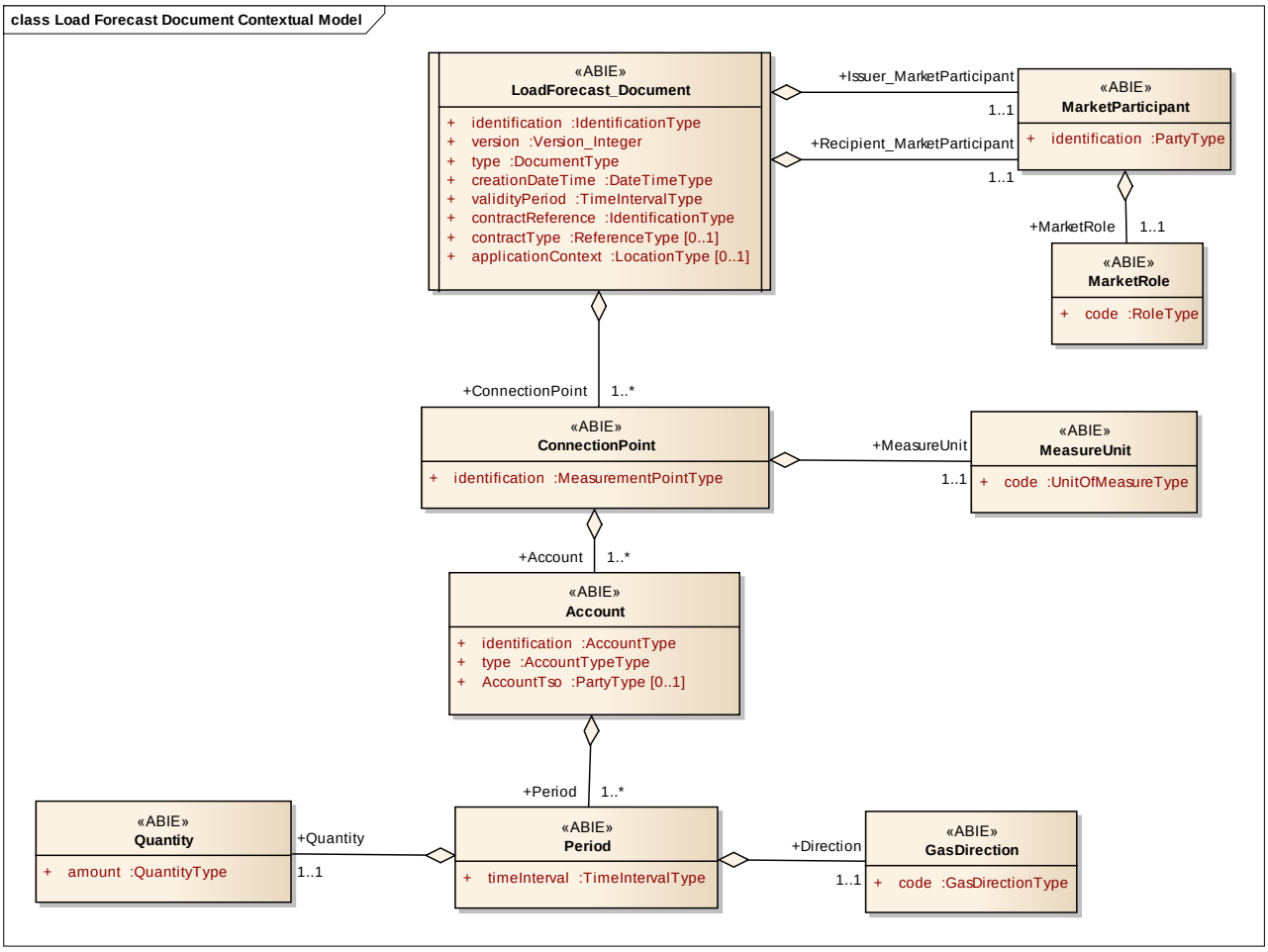


FIGURE 13: LOAD FORECAST DOCUMENT CONTEXTUAL MODEL

4.1 INFORMATION MODEL STRUCTURE

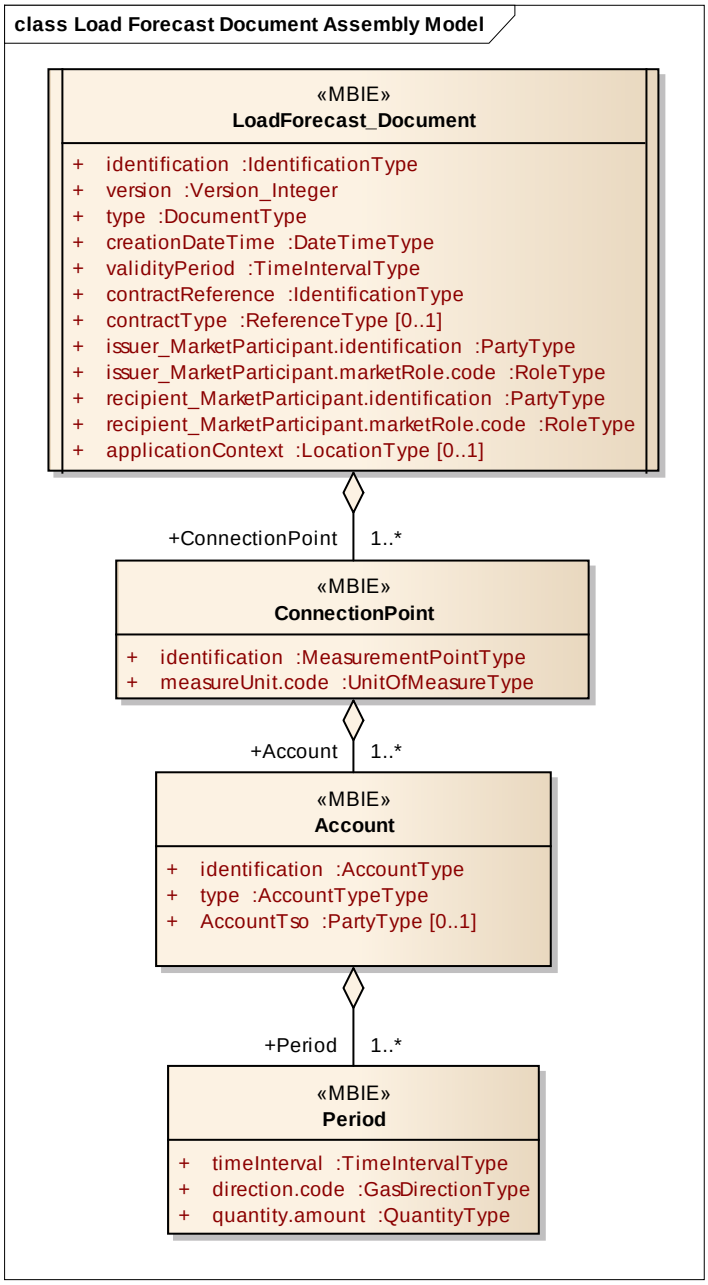


FIGURE 14: LOAD FORECAST DOCUMENT INFORMATION MODEL

4.2 INFORMATION MODEL DESCRIPTION

4.2.1 RULES GOVERNING THE LOAD FORECAST DOCUMENT CLASS

There shall be one Load Forecast Document for each contract reference per entry program, per exit programme and per trade program. In the specific cases of entry and exit programs, transfer accounts may be included.
A Load Forecast Document is identified by the following attributes:

- The identification of the document
- The identification of the version
- The issuer identification

4.2.1.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Load Forecast Document.
Description	A Load Forecast Document must have a unique identification assigned by the issuer of the document to be sent to a recipient for a given validity period. The issuer must guarantee that this identification is unique over time.
Size	The identification of a Load Forecast Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

4.2.1.2 VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document being sent.
Description	The document version is used to identify a given version of a Load Forecast Document. The first version number for a given document identification shall normally be 1. The document version number must be incremented for each retransmission of a document that contains changes to the previous version. The receiving system shall only accept a document with a version number which is greater than the previous version number of the same document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

4.2.1.3 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of the Load Forecast Document that is being sent. The following types of Load Forecast Document are permitted: ALH = Trade programme ALI = Entry programme ALJ = Exit programme (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

4.2.1.4 CREATIONDATETIME

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the issuer.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

4.2.1.5 VALIDITYPERIOD

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document. This generally identifies one gas day.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

4.2.1.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	Reference to a contract covering the portfolio of the Programme Responsible Party.
Description	The contract reference identifies the portfolio of the Programme Responsible Party within the System Operator's domain.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

4.2.1.7 CONTRACTTYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of contract covering the document.
Description	The contract type identifies the nature of the contract defined in the document. Refer to the Edigas ReferenceType codelist for the list of valid codes.
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is used depending on local market rules.

399 #### 4.2.1.8 ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who has issued the document.
Description	The issuer of the document is identified by a unique coded identification. This code normally identifies the party who is the party that is the "owner" of the information being transmitted in the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of an issuer's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

400 #### 4.2.1.9 ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who has issued the document is playing.
Description	The role being played by the issuer of the document for this transmission. The following code is permitted: ZTY = Programme Responsible Party. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

401 #### 4.2.1.10 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	The recipient of the document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of a recipient's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

402 #### 4.2.1.11 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who receives the document is playing.
Description	The role being played by the recipient of the document for this transmission. The following code is permitted: ZSO = System Operator. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

4.2.1.12 APPLICATIONCONTEXT – CODING SCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a particular context that is significant to the recipient.
Description	The application context is used to identify a particular context (location, application, etc.) that is relevant to the recipient of the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC location code.
Size	The maximum length of an application context's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided when there is bi lateral agreement between the parties.

4.2.2 RULES GOVERNING THE CONNECTION POINT CLASS

The Connection Point class is provided for all Load Forecast Documents. This covers the entry and exit load forecasts or transfer load forecasts for all the portfolio of a Programme Responsible Party.

4.2.2.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the connection point that is under the responsibility of a Programme Responsible Party concerned in the Load Forecast Document.
Description	The identification of the connection point within a System Operator's system for which the document is referencing. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC measurement point code or the code "ZSO" for a System Operator code.
Size	The maximum length of the connection point identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters
Applicability	Both the connection point identification and the coding scheme are mandatory.
Dependence requirements	None.

4.2.2.2 MEASUREUNIT.CODE

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to all the quantities in the Period class of the document.
Description	The unit of measurement used for all the quantities expressed within a Period class. The following are the codes recommended for use: KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d) (Reference Edig@s UnitOfMeasureType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

4.2.3 RULES GOVERNING THE ACCOUNT CLASS

The Account class is provided for all Load Forecast Documents. This covers the entry and exit load forecasts or transfer load forecasts within a given portfolio and connection point.

4.2.3.1 IDENTIFICATION - CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the account of a counter party or parties where the gas is programmed.
Description	The identification of the counter party or parties account within a System Operator's system. An account may be defined to isolate a specific sub type of a given account type that has to be managed. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code.
Size	The maximum length of the account identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the account identification and the coding scheme are mandatory.
Dependence requirements	None.

4.2.3.2 TYPE

ACTION	DESCRIPTION
Definition of element	The identification of the type of the account
Description	The identification of the type of the account. The following types are permitted: ZOC = Internal Party Account. The party account identification known to a System Operator ZUD = Virtual Account. The account used by a System Operator to identify specific information not related to a party. (Reference Edig@s AccountTypeType code list).
Size	The maximum length of the type is 3 alphanumeric characters.
Applicability	This attribute is mandatory.
Dependence requirements	None.

4.2.3.3 ACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the account identification.
Description	The System Operator that created the account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	The AccountTso is required if the identification of the System Operator that created the account is ambiguous.

4.2.4 RULES GOVERNING THE PERIOD CLASS

There must always be one or many Period classes related to an Account class.
The sum of the time intervals within the Period class shall cover a whole gas day or multiple gas days depending on the validity period.

4.2.4.1 TIMEINTERVAL

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the period in question.
Description	This information provides the start and end date and time of the period being reported.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

4.2.4.2 DIRECTION.CODE

ACTION	DESCRIPTION
Definition of element	Identifies how the energy flow of the quantity has to be seen from the perspective of the System Operator's area.
Description	This identifies the direction of the energy flow. Permitted codes are: Z02 = Input Z03 = Output (Reference Edig@s GasDirectionType code).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

4.2.4.3 QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The quantity for the connection point within the time interval in question.
Description	This information defines the quantity for the connection point within the time interval period. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period ("."). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is mandatory.
Dependence requirements	None.

5 CONTEXTUAL MODEL OF THE LOAD FORECAST CONFIRMATION DOCUMENT (PROCON)

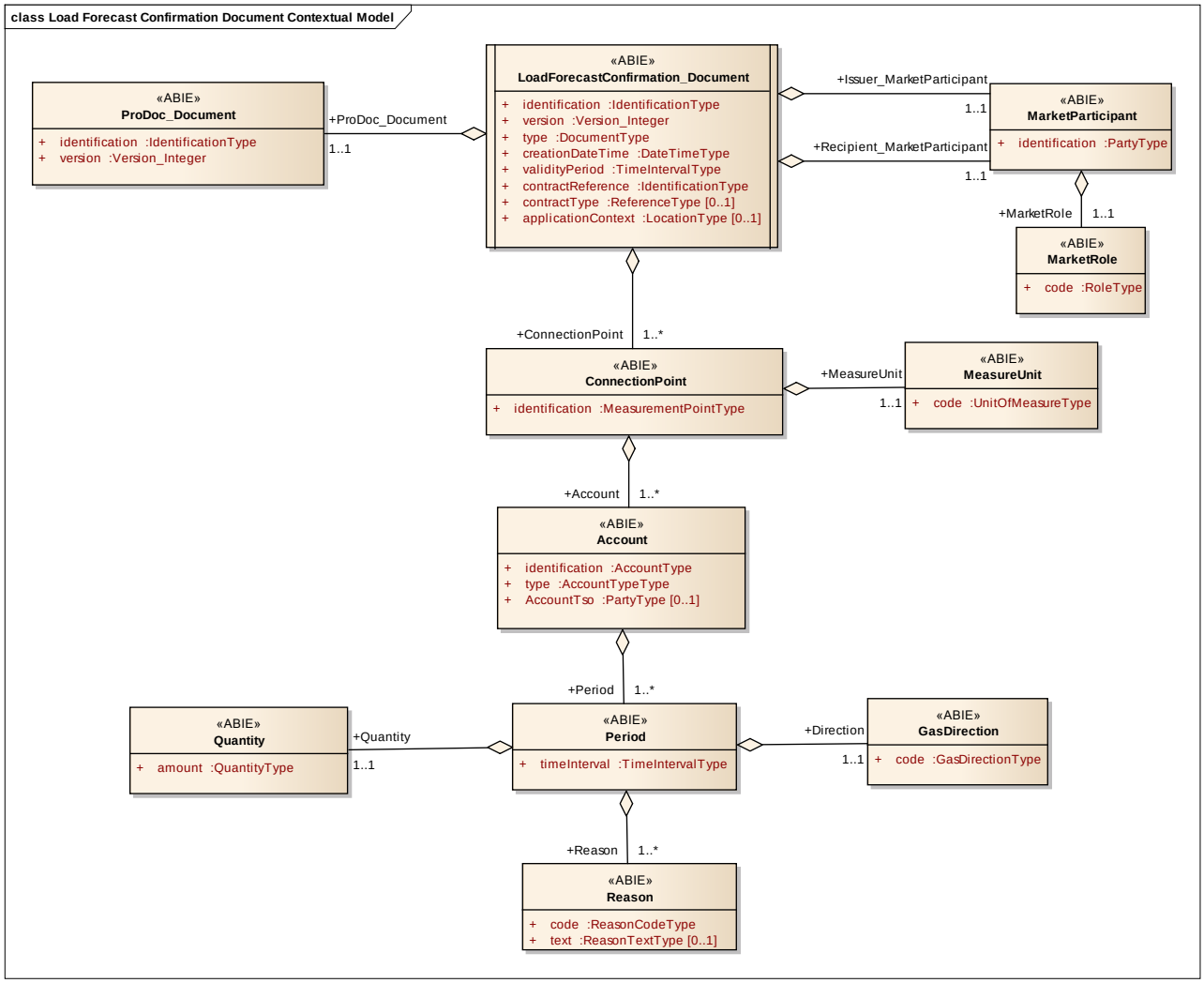


FIGURE 15: LOAD FORECAST CONFIRMATION DOCUMENT CONTEXTUAL MODEL

5.1 INFORMATION MODEL STRUCTURE

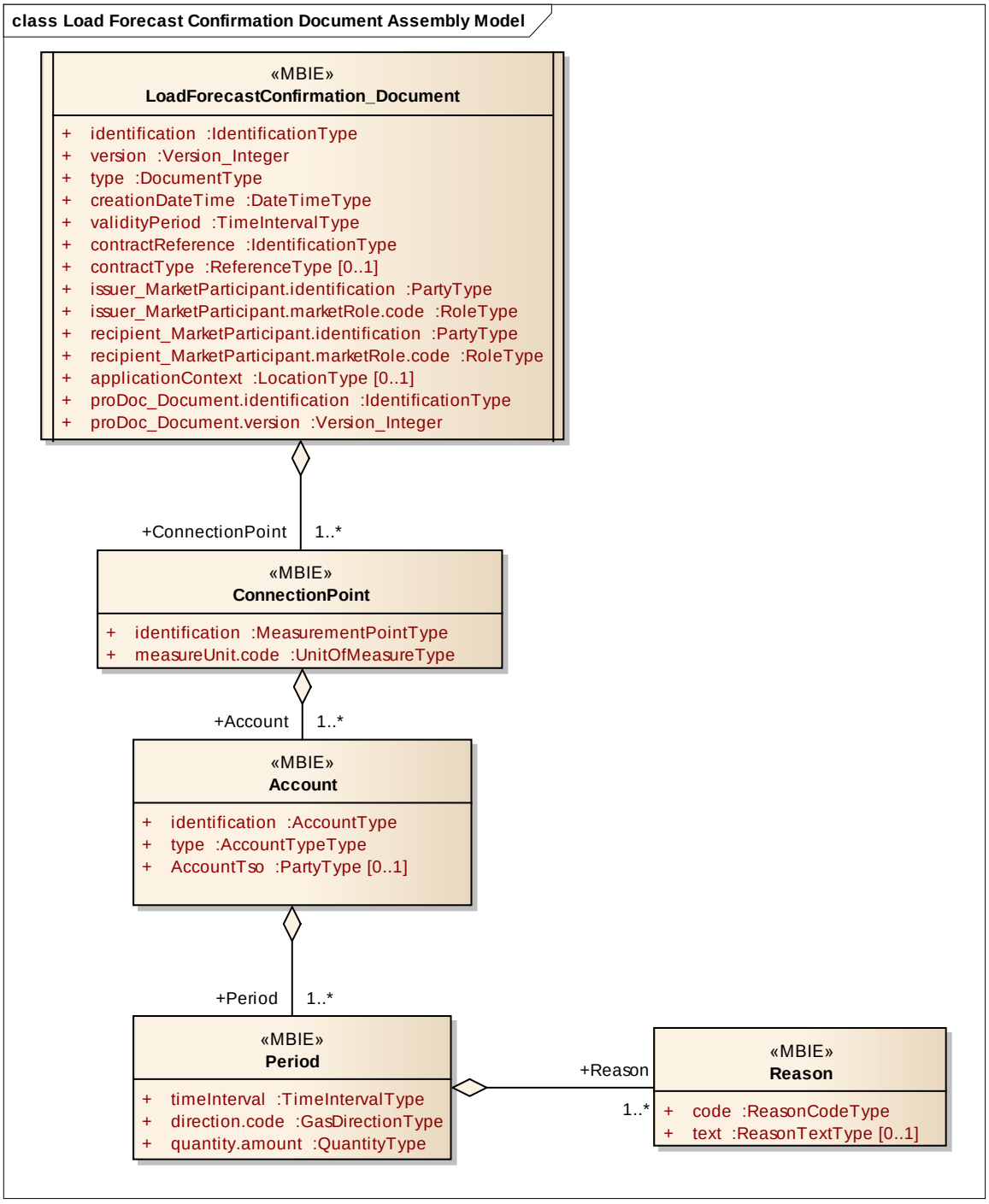


FIGURE 16: LOAD FORECAST CONFIRMATION DOCUMENT INFORMATION MODEL

5.2 INFORMATION MODEL DESCRIPTION

5.2.1 RULES GOVERNING THE LOAD FORECAST CONFIRMATION DOCUMENT CLASS

A Load Forecast Confirmation Document must be issued in response to a Load Forecast Document. It shall contain all the information found in the document being confirmed with eventual changes or the addition of a differences account.
A document is uniquely identified by the following attributes:

- The identification of the document
- The identification of the version
- The issuer identification

5.2.1.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Load Forecast Confirmation Document.
Description	A Load Forecast Confirmation Document must have a unique identification assigned by the issuer of the document to be sent to a recipient for a given validity period. The issuer must guarantee that this identification is unique over time.
Size	The identification of a Load Forecast Confirmation Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.1.2 VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document being sent.
Description	The document version is used to identify a given version of a Load Forecast Confirmation Document. The first version number for a given document identification shall normally be 1. The document version number must be incremented for each retransmission of a document that contains changes to the previous version. The receiving system shall only accept a document with a version number which is greater than the previous version number of the same document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.1.3 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of the Load Forecast Confirmation Document that is being sent. The following types of Load Forecast Confirmation Document are permitted: ALK =Trade confirmation ALL = Entry confirmation ALM = Exit confirmation (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.1.4 CREATIONDATETIME

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the issuer.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.1.5 VALIDITYPERIOD

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document. This corresponds to that of the confirmed document.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.1.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	Reference to a contract covering the portfolio of the Programme Responsible Party.
Description	The contract reference identifies the portfolio of the Programme Responsible Party with the System Operator and corresponds to the value in the confirmed document.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.1.7 CONTRACTTYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of contract covering the document.
Description	The contract type identifies the nature of the contract defined in the document. Refer to the Edigas ReferenceType codelist for the list of valid codes.
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is used depending on local market rules.

447 #### 5.2.1.8 ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who has issued the document.
Description	The issuer of the document is identified by a unique coded identification. This code normally identifies the System Operator who is the party that is the "owner" of the information being transmitted in the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of an issuer's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

448 #### 5.2.1.9 ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who has issued the document is playing.
Description	The role being played by the issuer of the document for this transmission. In the case of the transmission of a Load Forecast Confirmation Document this shall always be equal to ZSO= System Operator. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

449 #### 5.2.1.10 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	The recipient of the document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of a recipient's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

450 #### 5.2.1.11 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who receives the document is playing.
Description	The role being played by the recipient of the document for this transmission. In the case of the transmission of a Load Forecast Confirmation Document this shall always be equal to ZTY = Programme Responsible Party. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.1.12 APPLICATIONCONTEXT – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a particular context that is significant to the recipient.
Description	The application context is used to identify a particular context (location, application, etc.) that is relevant to the recipient of the document. The use of the application context must have previously been mutually agreed contractually. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC location code.
Size	The maximum length of an application context's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided when there is bi lateral agreement between the parties.

5.2.1.13 PRODOC_DOCUMENT.IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	The identification of the Load Forecast Document being confirmed.
Description	This identification must correspond to a Load Forecast Document that has been previously submitted by a Programme Responsible Party. If no initialising electronic XML document has been received prior to the emission of the current document or if it is based on the contents of a paper document then this attribute shall contain the word "DEFAULT".
Size	The identification of a PRODOC identification may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.1.14 PRODOC_DOCUMENT.VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document being confirmed
Description	The document version is used to identify the version of the Load Forecast Document being confirmed If no electronic XML document is used then the PRODOC Version shall contain the number "1"
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.2 RULES GOVERNING THE CONNECTION POINT CLASS

All the Connection Point classes that have been identified in the Load Forecast Document must be provided in the Load Forecast Confirmation Document.

5.2.2.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the connection point that was the subject of the Load Forecast Document.
Description	The identification of the connection point within a System Operator's system for which the document is referencing and corresponds to the value in the confirmed document.
Size	The maximum length of the connection point identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the connection point identification and the coding scheme are mandatory.
Dependence requirements	None.

5.2.2.2 MEASUREUNIT.CODE

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to all the quantities in the Period class of the document.
Description	The unit of measurement used for all the quantities expressed within a Period class. This corresponds to that of the Load Forecast Document
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.3 RULES GOVERNING THE ACCOUNT CLASS

All the Account classes that have been identified in the Load Forecast Document must be provided in the Load Forecast Confirmation Document.
Additional Account classes may be provided by the System Operator to identify other accounts (for example a differences account).

5.2.3.1 IDENTIFICATION - CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the account to which the gas is destined.
Description	The identification of the account within a System Operator's system. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code.
Size	The maximum length of the account identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the account identification and the coding scheme are mandatory.
Dependence requirements	None.

5.2.3.2 TYPE

ACTION	DESCRIPTION
Definition of element	The identification of the type of the account
Description	The identification of the type of the account. The following types are permitted: ZTX = Differences account. The difference between an entry and exit load forecast as calculated by a System Operator. ZOC = Internal Party Account. The party account identification known to a System Operator ZUD = Virtual Account. The account used by a System Operator to identify specific information not related to a party (Reference Edig@s AcountTypeType code list).
Size	The maximum length of the type is 3 alphanumeric characters.
Applicability	This attribute is mandatory.
Dependence requirements	None.

5.2.3.3 ACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the account identification.
Description	The System Operator that created the account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	The AccountTso is required if the identification of the System Operator that created the account is ambiguous.

5.2.4 RULES GOVERNING THE PERIOD CLASS

All Period classes identified in the Load Forecast Document class must be provided in the Load Forecast Confirmation Document.
Additional Period class information may be provided in the case where a differences account breakdown type has been added by the System Operator.
The sum of the time intervals within the Period class shall cover a whole gas period or multiple gas periods depending on the validity period.

5.2.4.1 TIMEINTERVAL

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the period in question.
Description	This information provides the start and end date and time of the period being reported.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.4.2 DIRECTION.CODE

ACTION	DESCRIPTION
Definition of element	Identifies how the energy flow of the quantity has to be seen from the perspective of the System Operator's area.
Description	This identifies the direction of the energy flow. Permitted codes are: Z02 = Input Z03 = Output. (Reference Edig@s GasDirectionType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.4.3 QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The quantity for the connection point within the time interval in question.
Description	This information defines the quantity for the connection point within the time interval period. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period ("."). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.5 RULES GOVERNING THE REASON CLASS

The Reason class may be used to provide additional information. It shall be used at the period level to identify any quantity values that have been changed.

5.2.5.1 CODE

ACTION	DESCRIPTION
Definition of element	A code providing the reason for an amendment or rejection
Description	The reason code provides the reason of an amendment. As many reason elements as necessary may be used. Refer to Edig@s ReasonCodeType codelist for the list of valid codes.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

5.2.5.2 TEXT

ACTION	DESCRIPTION
Definition of element	Textual explanation of the reason code.
Description	If the code does not provide all the information to clearly identify the justification of an amendment then the textual information may be provided.
Size	The maximum length of this information is 512 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	Used only if the reason code is insufficient to identify an amendment or an error.

6 CONTEXTUAL MODEL OF THE BID DOCUMENT (BIDDOC)

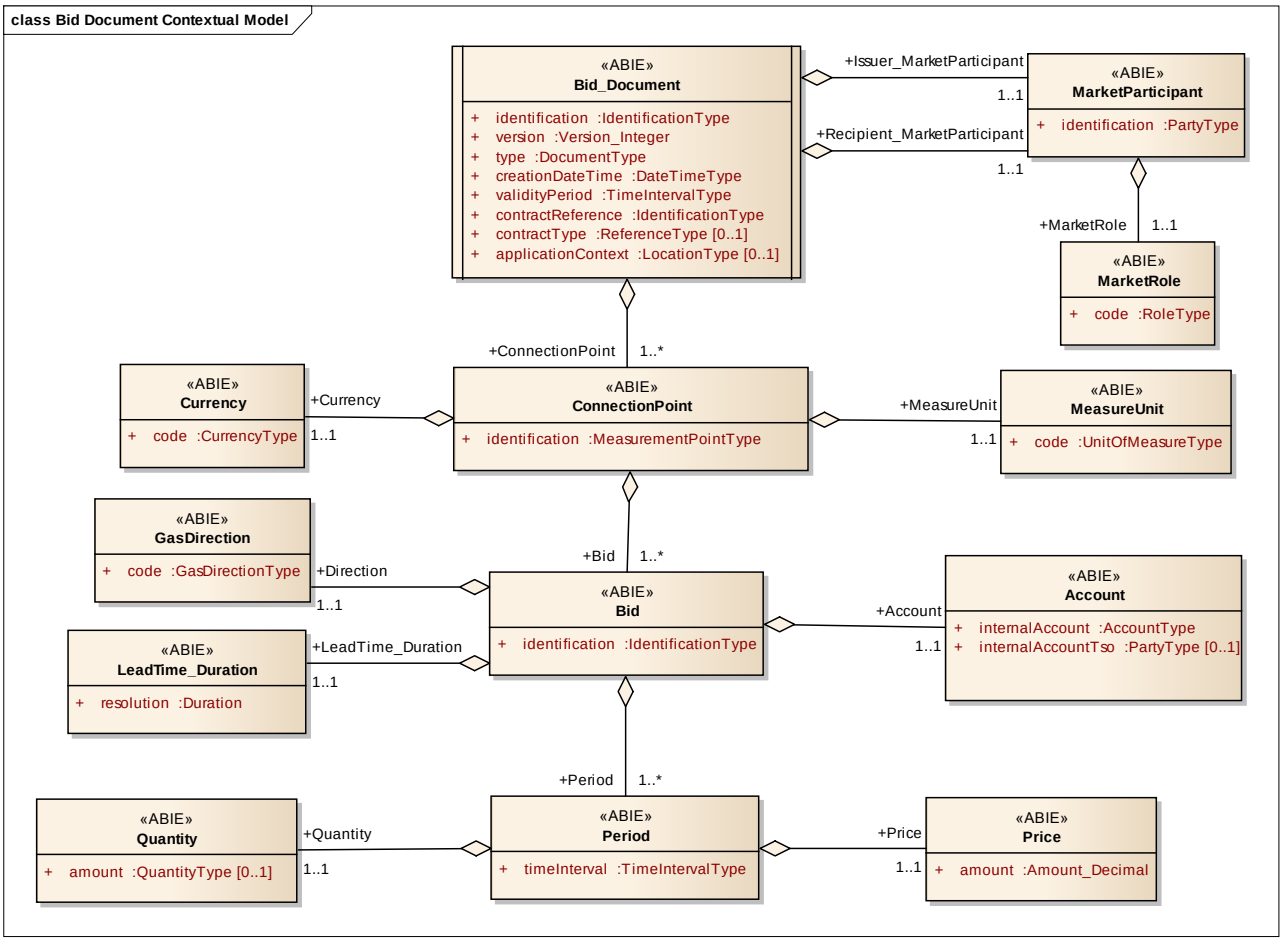


FIGURE 17: BID DOCUMENT CONTEXTUAL MODEL

6.1 INFORMATION MODEL STRUCTURE

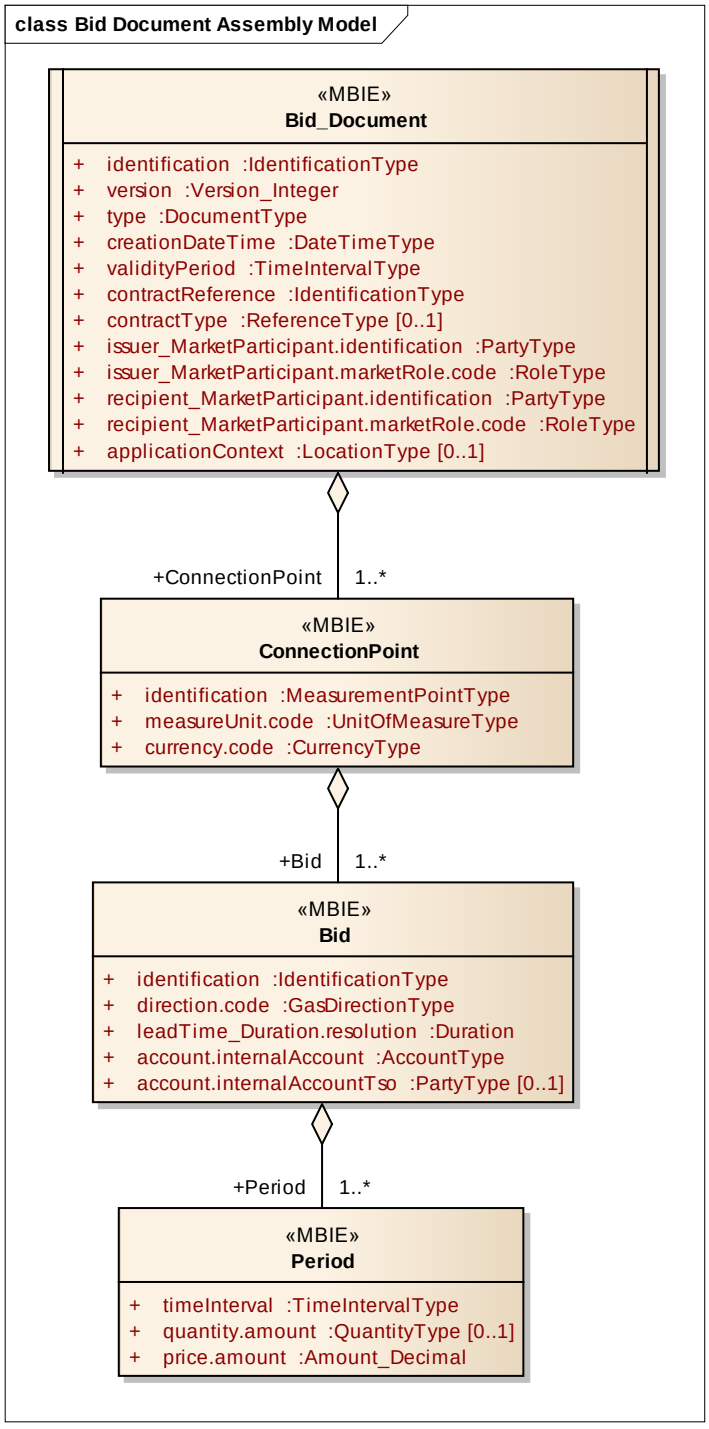


FIGURE 18: BID DOCUMENT INFORMATION MODEL

6.2 INFORMATION MODEL DESCRIPTION

6.2.1 RULES GOVERNING THE BID DOCUMENT CLASS

A Bid Document is issued by a party proposing additional resources that may be called up to satisfy any unforeseen situations in order to maintain network security. If a bid is revised a new version of the previous bid document must be transmitted.
A document is uniquely identified by the following attributes:

- The identification of the document
- The identification of the version
- The issuer identification

6.2.1.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Bid Document.
Description	A Bid Document must have a unique identification assigned by the issuer of the document to be sent to a recipient. For a given gas day the bid identification should remain the same. The version shall be used to identify modifications to the document throughout the day. The issuer must guarantee that this identification is unique over time.
Size	The identification of a Bid Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

6.2.1.2 VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document being sent.
Description	The document version is used to identify a given version of a Bid Document. The first version number for a given document identification shall normally be 1. The document version number must be incremented for each retransmission of a document that contains changes to the previous version. The receiving system shall only accept a document with a version number which is greater than the previous version number of the same document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

6.2.1.3 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of the Bid Document that is being sent. The following types of Bid Document are permitted: ALN = Bid ALO = Reserve bid AMJ = Bid confirmation (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

6.2.1.4 CREATIONDATETIME

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the issuer.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

6.2.1.5 VALIDITYPERIOD

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

6.2.1.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	Reference to a contract between the issuer and the recipient.
Description	The contract reference identifies the portfolio of the Programme Responsible Party with the System Operator and corresponds to the value in the confirmed document.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

6.2.1.7 CONTRACTTYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of contract covering the document.
Description	The contract type identifies the nature of the contract defined in the document. Refer to the Edigas ReferenceType codelist for the list of valid codes.
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is used depending on local market rules.

6.2.1.8 ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who has issued the document.
Description	The issuer of the document is identified by a unique coded identification. This code normally identifies the Programme Responsible Party who is the party that is the "owner" of the information being transmitted in the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of an issuer's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

506 #### 6.2.1.9 ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who has issued the document is playing.
Description	The role being played by the issuer of the document for this transmission. In the case of the transmission of a Bid Document this shall equal to either ZTY = Programme Responsible Party ZUG = Trading Platform. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

507 #### 6.2.1.10 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	The recipient of the document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of a recipient's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

508 #### 6.2.1.11 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who receives the document is playing.
Description	The role being played by the recipient of the document for this transmission. The following code is permitted: ZSO = System Operator. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

509 #### 6.2.1.12 APPLICATIONCONTEXT – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a particular context that is significant to the recipient.
Description	The application context is used to identify a particular context (location, application, etc.) that is relevant to the recipient of the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC location code.
Size	The maximum length of an application context's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided when there is bi lateral agreement between the parties.

6.2.2 RULES GOVERNING THE CONNECTION POINT CLASS

There may be one to many connection points in a Bid Document.

6.2.2.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a connection point.
Description	The identification of a connection point within a System Operator's system. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC measurement point code or the code "ZSO" for a System Operator code.
Size	The maximum length of the connection point identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the connection point identification and the coding scheme are mandatory.
Dependence requirements	None.

6.2.2.2 MEASUREUNIT.CODE

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to all the quantities in the Period class of the document.
Description	The unit of measurement used for all the quantities expressed within a Period class. The following are the codes recommended for use: KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d). (Reference Edig@s UnitOfMeasureType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

6.2.2.3 CURRENCY.CODE

ACTION	DESCRIPTION
Definition of element	The currency in which the price is expressed.
Description	This information defines the currency of the price within the time interval period. Refer to Edig@s CurrencyType Code list document for the valid list of codes.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

6.2.3 RULES GOVERNING THE BID CLASS

As many Bid classes are provided that are necessary to cover all the different bids a Programme Responsible Party wishes to submit.
The identification shall cover a gas day.
If there are multiple lead times or directions for a given time interval (e.g. the same hour) then these must be defined as different bids.

6.2.3.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Unique identification of a bid that is being submitted.
Description	A bid identification is assigned by the issuer of the document to uniquely identify the bid being submitted.
Size	The bid identification may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

6.2.3.2 DIRECTION.CODE

ACTION	DESCRIPTION
Definition of element	Identifies how the energy flow of the quantity has to be seen from the perspective of the System Operator's area.
Description	This identifies the direction of the energy flow. Permitted codes are: Z02 = Input. Z03 = Output. (Reference GasDirectionType Edig@s code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

6.2.3.3 LEADTIME_DURATION.RESOLUTION

ACTION	DESCRIPTION
Definition of element	The time defining the maximum delivery delay.
Description	A lead time that defines the maximum delivery delay required for the supply of gas.
Size	The lead time is expressed in compliance with ISO 8601 in the following format: PnYnMnDTnHnMnS. Where nY expresses a number of years, nM a number of months, nD a number of days. The letter "T" separates the date expression from the time expression and after it nH identifies a number of hours, nM a number of minutes and nS a number of seconds. For example PT30M expresses a 30 minute lead time.
Applicability	This information is mandatory.
Dependence requirements	None.

6.2.3.4 ACCOUNT.INTERNALACCOUNT – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the account that is known to the System Operator.
Description	The identification of the internal account within a System Operator's system that is relevant to the nomination. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code.
Size	The maximum length of the internal account is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the internal account and the coding scheme are mandatory.
Dependence requirements	None.

6.2.3.5 ACCOUNT.INTERNALACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the internal account identification.
Description	The System Operator that created the internal account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	The InternalAccountTso is required if the identification of the System Operator that created the account is ambiguous.

6.2.4 RULES GOVERNING THE PERIOD CLASS

There must always be a Period class to cover the gas day for the bid that is being submitted.

6.2.4.1 TIMEINTERVAL

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the period in question.
Description	This information provides the start and end date and time of the period that the bid is covering.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

529 #### 6.2.4.2 QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The quantity that is being submitted as a bid for the time interval in question
Description	This information defines the quantity of gas within the time interval period. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (“.”). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is mandatory.
Dependence requirements	None.

530 #### 6.2.4.3 PRICE.AMOUNT

ACTION	DESCRIPTION
Definition of element	The price of the quantity of gas that is bid.
Description	The price that the issuer is asking for the quantity of gas for the period in question. If Direction is input then: A positive price indicates the amount that the System Operator shall pay the issuer. A negative price indicates the amount that the issuer shall pay the System Operator. If Direction is output: A positive price indicates the amount that the issuer shall pay the System Operator. A negative price indicates the amount that the System Operator shall pay the issuer (e.g. when getting rid of surplus gas).
Size	The maximum length of this information is 17 numeric characters (decimal mark and sign, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the price is normally 2 digits but it depends on local market rules.
Applicability	This information is mandatory.
Dependence requirements	None.

531

7 CONTEXTUAL MODEL OF THE BID ACTIVATION DOCUMENT (BIDACT)

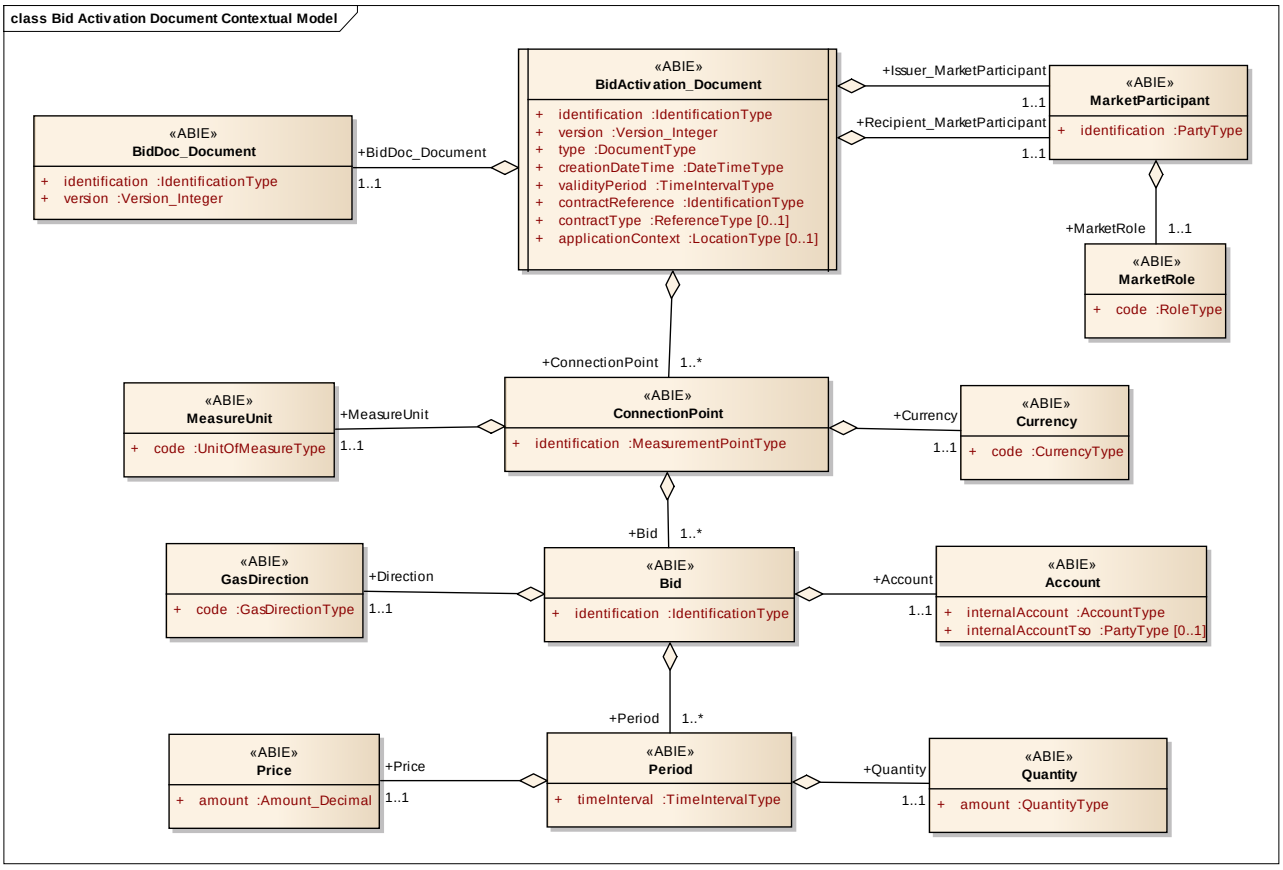


FIGURE 19: BID ACTIVATION DOCUMENT CONTEXTUAL MODEL

7.1 INFORMATION MODEL STRUCTURE

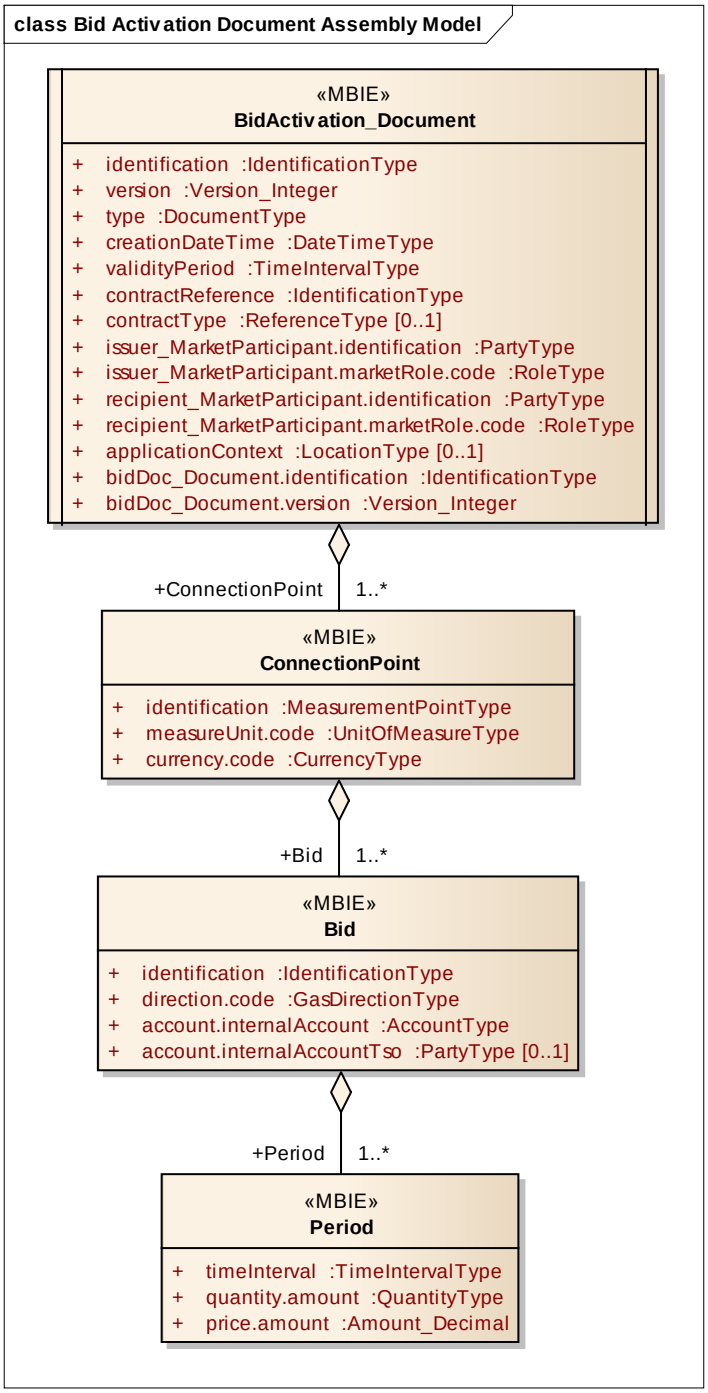


FIGURE 20: BID ACTIVATION DOCUMENT INFORMATION MODEL

7.2 INFORMATION MODEL DESCRIPTION

7.2.1 RULES GOVERNING THE BID ACTIVATION DOCUMENT CLASS

A Bid Activation Document is issued by a System Operator to call up a bid to satisfy any unforeseen situations in order to maintain network security.
In the case of emergency activations (document type ALQ) the BIDDOC identification and BIDDOC version should be assigned a default value.
A document is uniquely identified by the following attributes:

- The identification of the document
- The identification of the version
- The issuer identification

7.2.1.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Bid Activation Document.
Description	A Bid Activation Document must have an identification assigned by the issuer of the document to be sent to a recipient for a given validity period. The issuer must guarantee that this identification is unique over time.
Size	The identification of a Bid Activation Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

7.2.1.2 VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document being sent.
Description	The document version is used to identify a given version of a Bid Activation Document. The first version number for a given document identification shall normally be 1. The document version number must be incremented for each retransmission of a document that contains changes to the previous version. The receiving system shall only accept a document with a version number which is greater than the previous version number of the same document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

7.2.1.3 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of the Bid Activation Document that is being sent. The following types of Bid Activation Document are permitted: ALP = Bid activation AL9 = Reserve bid activation ALQ = Emergency activation. (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

551 #### 7.2.1.4 CREATIONDATETIME

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the issuer.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

552 #### 7.2.1.5 VALIDITYPERIOD

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

553 #### 7.2.1.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	Reference to a contract covering the portfolio of the Programme Responsible Party.
Description	The contract reference identifies the portfolio of the Programme Responsible Party with the System Operator and corresponds to the value in the confirmed document.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

554 #### 7.2.1.7 CONTRACTTYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of contract covering the document.
Description	The contract type identifies the nature of the contract defined in the document. Refer to the Edigas ReferenceType codelist for the list of valid codes.
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is used depending on local market rules.

555 #### 7.2.1.8 ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who has issued the document.
Description	The issuer of the document is identified by a unique coded identification. This code normally identifies the Programme Responsible Party who is the party that is the "owner" of the information being transmitted in the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of an issuer's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

7.2.1.9 ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who has issued the document is playing.
Description	The role being played by the issuer of the document for this transmission. The following code is permitted: ZSO = System Operator. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

7.2.1.10 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	The recipient of the document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of a recipient's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

7.2.1.11 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who receives the document is playing.
Description	The role being played by the recipient of the document for this transmission. The following code is permitted: ZTY = Programme Responsible Party. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

7.2.1.12 APPLICATIONCONTEXT – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a particular context that is significant to the recipient.
Description	The application context is used to identify a particular context (location, application, etc.) that is relevant to the recipient of the document. The use of the application context must have previously been mutually agreed contractually. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC location code.
Size	The maximum length of an application context's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided when there is bi lateral agreement between the parties.

7.2.1.13 BIDDOC_DOCUMENT.IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the Bid Document being activated
Description	A bid activation shall identify the bid being activated. This identifies the document identification. If no initialising electronic XML document has been received prior to the emission of the current document or if it is based on the contents of a paper document then this attribute shall contain the word "DEFAULT".
Size	The identification of a Bid Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

7.2.1.14 BIDDOC_DOCUMENT.VERSION

ACTION	DESCRIPTION
Definition of element	Version of the Bid Document being activated.
Description	This identifies the bid document version that is being activated. If no electronic XML document is used then the BIDDOC version shall contain the number "1".
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

7.2.2 RULES GOVERNING THE CONNECTION POINT CLASS

There may be one to many Connection Points in a Bid Activation Document.

7.2.2.1 IDENTIFICATION – CODING SCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a connection point.
Description	The identification of a connection point within a System Operator's system. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" if it is an EIC measurement point code or the code "ZSO" if it is a System Operator code.
Size	The maximum length of the connection point identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the connection point identification and the coding scheme are mandatory.
Dependence requirements	None.

7.2.2.2 MEASUREUNIT.CODE

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to all the quantities in the Period class of the document.
Description	The unit of measurement used for all the quantities expressed within a Period class. The following codes are permitted: KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt hour per day (kWh/d). (Reference Edig@s UnitOfMeasureType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

7.2.2.3 CURRENCY.CODE

ACTION	DESCRIPTION
Definition of element	The currency in which the price is expressed.
Description	This information defines the currency of the price within the time interval period. Refer to Edig@s CurrencyType Code list document for the valid list of codes.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

7.2.3 RULES GOVERNING THE BID CLASS

As many Bid classes are provided that are necessary to cover all the different bids that are necessary to satisfy the activation requirements.
The direction attribute is only permitted in the case of Emergency activations (document type ALQ).

7.2.3.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Unique identification of a bid that is to be used in the activation.
Description	A bid identification is assigned by the issuer of the Bid Document to uniquely identify the bid that had originally been submitted.
Size	The bid identification may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

7.2.3.2 DIRECTION.CODE

ACTION	DESCRIPTION
Definition of element	Identifies how the energy flow of the quantity has to be seen from the perspective of the System Operator's area.
Description	This identifies the direction of the energy flow. Permitted codes are: Z02 = Input. Z03 = Output. (Reference Edig@s GasDirectionType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only permitted and is required in the case where the document type equals ALQ (Emergency activation).

7.2.3.3 ACCOUNT.INTERNALACCOUNT – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the account that is known to the System Operator.
Description	The identification of the internal account within a System Operator's system that is relevant to the nomination. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code.
Size	The maximum length of the internal account is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the internal account and the coding scheme are mandatory.
Dependence requirements	None.

575 #### 7.2.3.4 ACCOUNT.INTERNALACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the internal account identification.
Description	The System Operator that created the internal account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	The InternalAccountTso is required if the identification of the System Operator that created the account is ambiguous.

576 ### 7.2.4 RULES GOVERNING THE PERIOD CLASS

577 There must always be a Period class to cover the quantities that are needed to satisfy the activation
578 requirement from the bid.

579 #### 7.2.4.1 TIMEINTERVAL

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the period in question.
Description	This information provides the start and end date and time of the period that is required for the activation.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

580 #### 7.2.4.2 QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The quantity that has to be activated in the time interval in question
Description	This information defines the quantity of gas within the time interval period. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period ("."). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is mandatory.
Dependence requirements	None.

581 #### 7.2.4.3 PRICE.AMOUNT

ACTION	DESCRIPTION
Definition of element	The price of the quantity of gas that will be paid for the activation.
Description	This corresponds to the price of the called quantity as defined by local market rules and does not necessarily correspond to the bid price. If Direction is input then: A positive price indicates the amount that the System Operator shall pay the recipient. A negative price indicates the amount that the recipient shall pay the System Operator. If Direction is output: A positive price indicates the amount that the recipient shall pay the System Operator. A negative price indicates the amount that the System Operator shall pay the recipient (e.g. when getting rid of surplus gas).
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the price is normally 2 digits but it depends on local market rules.
Applicability	This information is mandatory.
Dependence requirements	None.

8 CONTEXTUAL MODEL OF CLEARING CONFIRMATION DOCUMENT (CLRCON)

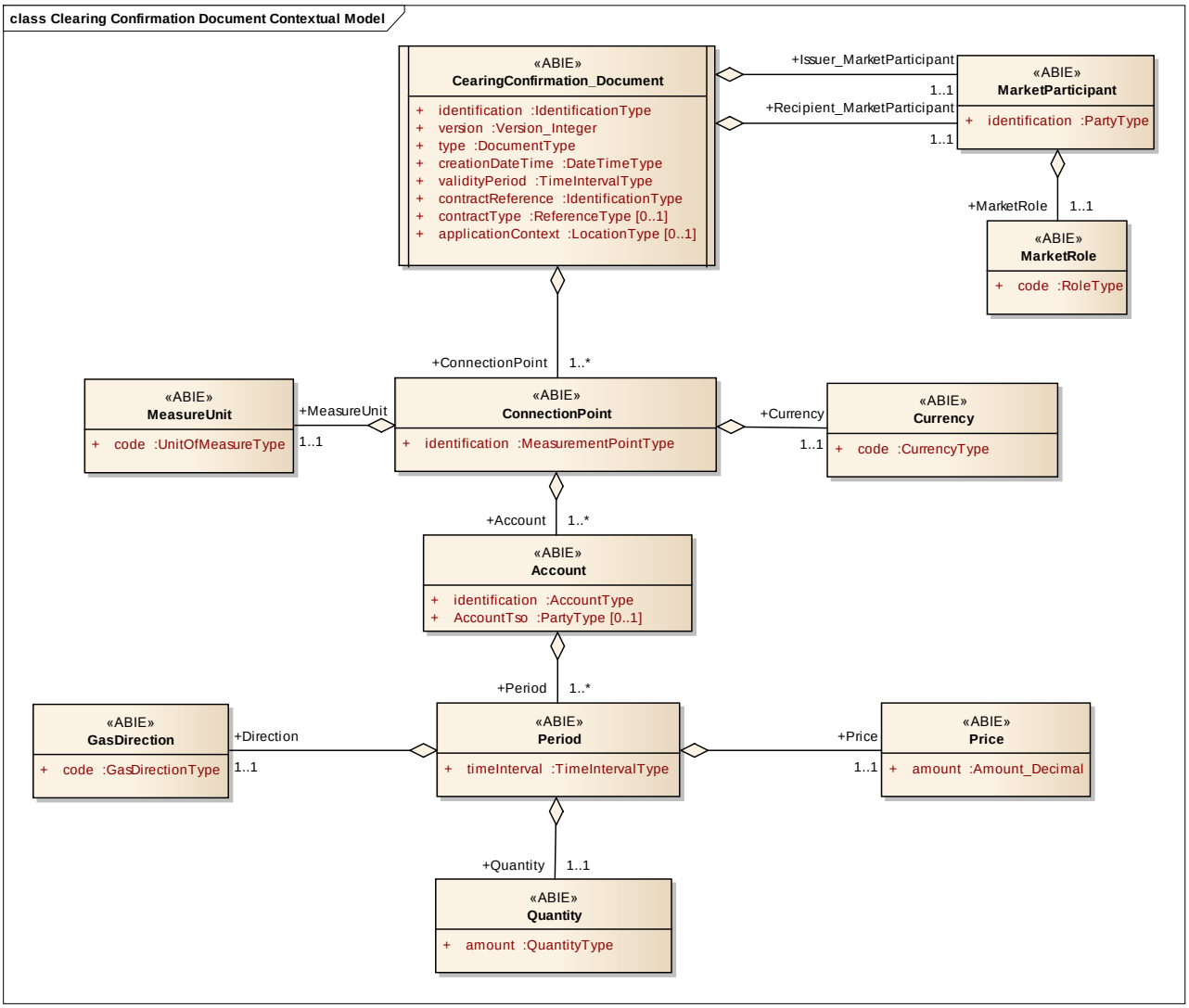


FIGURE 21: CLEARING CONFIRMATION DOCUMENT CONTEXTUAL MODEL

8.1 INFORMATION MODEL STRUCTURE

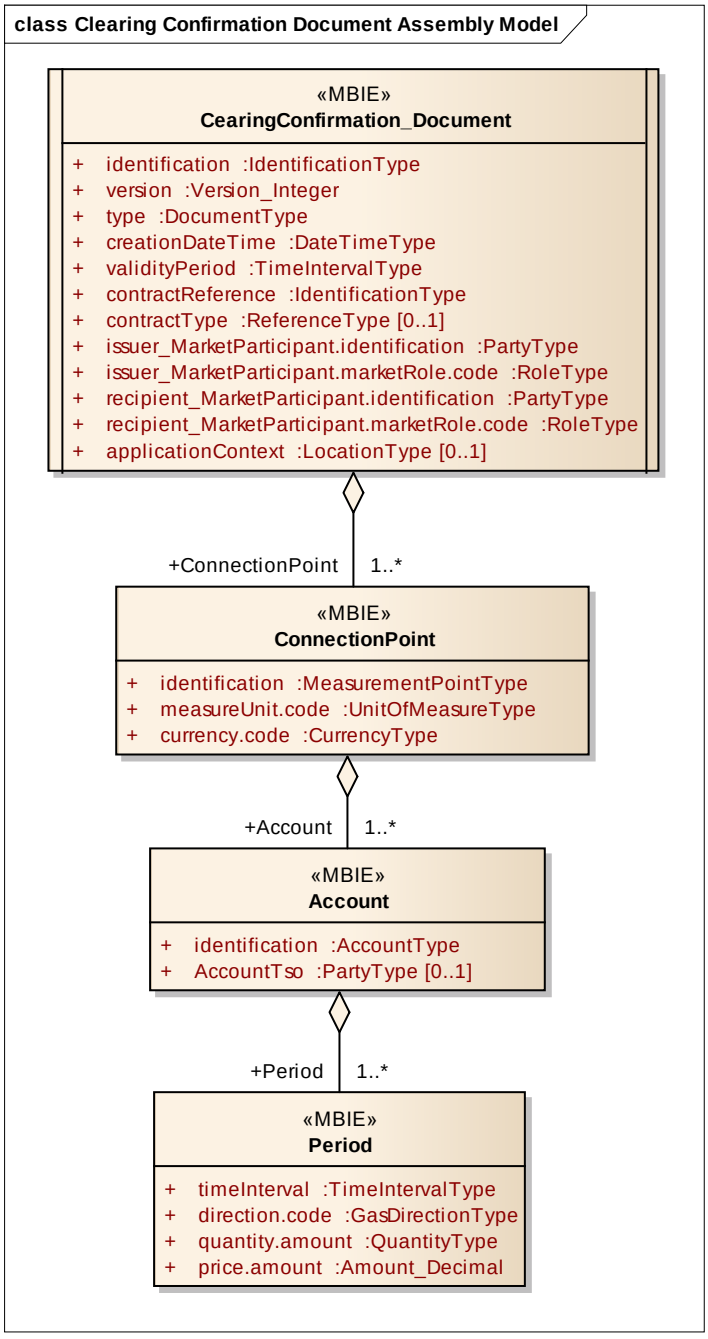


FIGURE 22: CLEARING CONFIRMATION DOCUMENT INFORMATION MODEL

8.2 INFORMATION MODEL DESCRIPTION

8.2.1 RULES GOVERNING THE CLEARING CONFIRMATION DOCUMENT CLASS

A Clearing Confirmation Document is issued by a System Operator after a call has been made to the bid ladder to inform the involved parties of the revised account situation following the call.
A document is uniquely identified by the following attributes:

- The identification of the document
- The identification of the version
- The issuer identification

8.2.1.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Clearing Confirmation Document.
Description	A Clearing Confirmation Document must have a unique identification assigned by the issuer of the document to be sent to a recipient for a given validity period. The issuer must guarantee that this identification is unique over time.
Size	The identification of a Clearing Confirmation Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

8.2.1.2 VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document being sent.
Description	The document version is used to identify a given version of a Clearing Confirmation Document. The first version number for a given document identification shall normally be 1. The document version number must be incremented for each retransmission of a document that contains changes to the previous version. The receiving system shall only accept a document with a version number which is greater than the previous version number of the same document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

8.2.1.3 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of the Clearing Confirmation Document that is being sent. The following types of Clearing Confirmation Document are permitted: ALR = Assistance gas clearing confirmation ALS = Culprit clearing confirmation ALT = Emergency clearing confirmation (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

8.2.1.4 CREATIONDATETIME

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the issuer.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

8.2.1.5 VALIDITYPERIOD

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

8.2.1.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	Reference to a contract covering the portfolio of the Programme Responsible Party.
Description	The contract reference identifies the portfolio of the Programme Responsible Party with the System Operator domain.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

8.2.1.7 CONTRACTTYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of contract covering the document.
Description	The contract type identifies the nature of the contract defined in the document. Refer to the Edigas ReferenceType codelist for the list of valid codes.
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is used depending on local market rules.

8.2.1.8 ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who has issued the document.
Description	The issuer of the document is identified by a unique coded identification. This code normally identifies the Programme Responsible Party who is the party that is the "owner" of the information being transmitted in the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of an issuer's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

8.2.1.9 ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who has issued the document is playing.
Description	The role being played by the issuer of the document for this transmission. The following code is permitted: ZSO = System Operator. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

8.2.1.10 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	The recipient of the document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of a recipient's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

8.2.1.11 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who receives the document is playing.
Description	The role being played by the recipient of the document for this transmission. The following code is permitted: ZTY = Programme Responsible Party. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

8.2.1.12 APPLICATIONCONTEXT – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a particular context that is significant to the recipient.
Description	The application context is used to identify a particular context (location, application, etc.) that is relevant to the recipient of the document. The use of the application context must have previously been mutually agreed contractually. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC location code.
Size	The maximum length of an application context's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided when there is bi lateral agreement between the parties.

608 ### 8.2.2 RULES GOVERNING THE CONNECTION POINT CLASS

609 There must always be a Connection Point class to cover the points that are being reported.

610 #### 8.2.2.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the connection point that is the subject of this document.
Description	The identification of the connection point within a System Operator's system for which the document is referencing. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC measurement point code or the code "ZSO" for a System Operator code.
Size	The maximum length of the connection point identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the connection point identification and the coding scheme are mandatory.
Dependence requirements	None.

611 #### 8.2.2.2 MEASUREUNIT.CODE

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to all the quantities in the Period class of the document.
Description	The unit of measurement used for all the quantities expressed within a Period class. The following codes are permitted: KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt hour per day (kWh/d) (Reference Edig@s UnitOfMeasureType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

612 #### 8.2.2.3 CURRENCY.CODE

ACTION	DESCRIPTION
Definition of element	The currency in which the price is expressed.
Description	This information defines the currency of the price within the time interval period. Refer to Edig@s CurrencyType code list document for the valid list of codes.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

8.2.3 RULES GOVERNING THE ACCOUNT CLASS

There must always be an Account class for a given connection point.

8.2.3.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the account that is known to the System Operator.
Description	The identification of the internal account within a System Operator's system that is relevant to the nomination. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code.
Size	The maximum length of the internal account is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

8.2.3.2 ACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the account identification.
Description	The System Operator that created the account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	The AccountTso is required if the identification of the System Operator that created the account is ambiguous.

8.2.4 RULES GOVERNING THE PERIOD CLASS

There must always be a Period class to cover the periods that are being reported.

8.2.4.1 TIMEINTERVAL

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the period in question.
Description	This information provides the start and end date and time of the period that is required for the activation.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

620 #### 8.2.4.2 DIRECTION.CODE

ACTION	DESCRIPTION
Definition of element	Identifies how the energy flow has to be seen from the perspective of the System Operator's area.
Description	This identifies the direction of the energy flow. Permitted codes are: Z02 = Input. A price may be expressed as a positive amount which signifies that the amount has to be paid for the gas. Z03 = Output. A negative price signifies that the amount in question shall be given for the gas. (Reference Edig@s GasDirectionType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

621 #### 8.2.4.3 QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The quantity for that has to be cleared within the time interval in question.
Description	This information defines the quantity that has to be cleared within the time interval period. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period ("."). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is mandatory.
Dependence requirements	None.

622 #### 8.2.4.4 PRICE.AMOUNT

ACTION	DESCRIPTION
Definition of element	The price of the quantity of gas that has to be cleared.
Description	The price of the gas that has to be cleared.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the price is normally 2 digits but it depends on local market rules.
Applicability	This information is mandatory.
Dependence requirements	None.

623

9 CONTEXTUAL MODEL OF BALANCING AGREEMENT DOCUMENT (BALDOC)

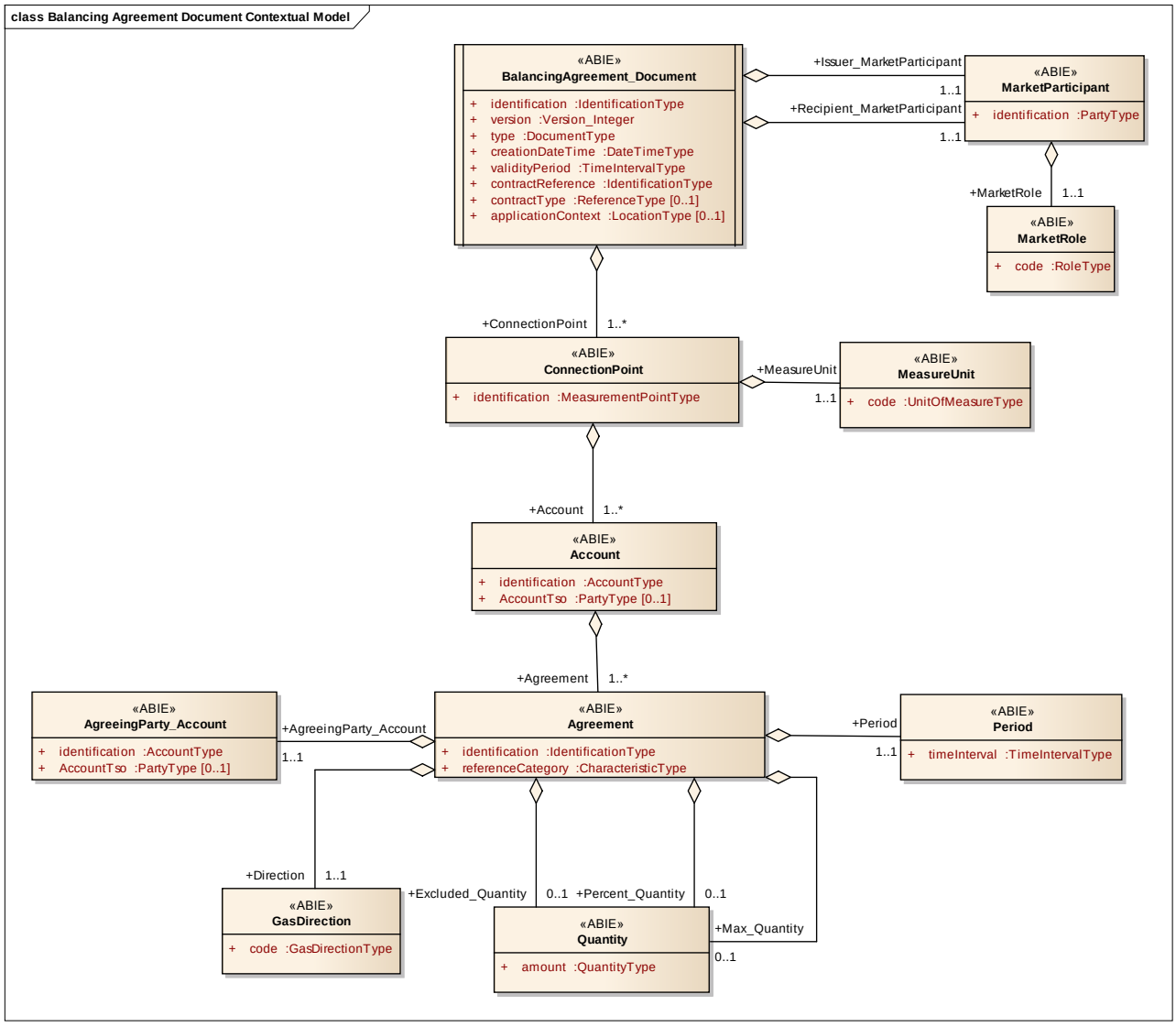
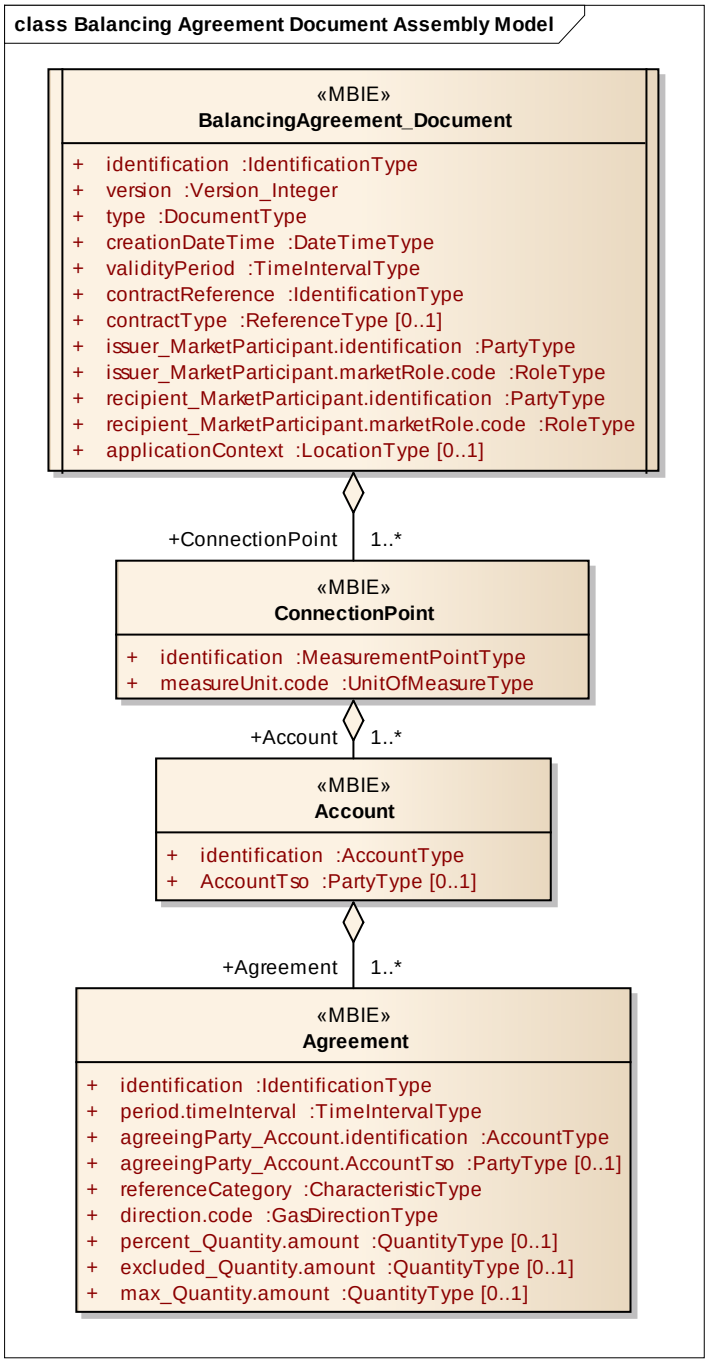


FIGURE 23: BALANCING AGREEMENT DOCUMENT CONTEXTUAL MODEL

627 ## 9.1 INFORMATION MODEL STRUCTURE



628

629 **FIGURE 24: BALANCING AGREEMENT INFORMATION MODEL**

9.2 INFORMATION MODEL DESCRIPTION

9.2.1 RULES GOVERNING THE BALANCING AGREEMENT DOCUMENT CLASS

There shall be one Balancing Agreement Document for each contract reference per Programme Responsible Party. Consequently it is possible to find in a message sent by the Programme Responsible Party several balancing agreements covering different Balance Suppliers.
A Balance Supplier may also have several Balancing Agreements covering several Programme Responsible Parties for the same contract Reference.
Any changes to the information in a given contract reference shall require the retransmission of the document for the contract reference in question with all the information relating to it. The basic principle is a cancel and replace of the complete document for a given contract reference.
A document is uniquely identified by the following attributes:

- The identification of the document
- The identification of the version
- The issuer identification

9.2.1.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Balancing Agreement Document.
Description	A Balancing Agreement Document must have an identification assigned by the issuer of the document to be sent to a recipient. The issuer must guarantee that this identification is unique over time.
Size	The identification of a Balancing Agreement Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

9.2.1.2 VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document being sent.
Description	The document version is used to identify a given version of a Balancing Agreement Document. The first version number for a given document identification shall normally be 1. The document version number must be incremented for each retransmission of a document that contains changes to the previous version. The receiving system shall only accept a document with a version number which is greater than the previous version number of the same document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

9.2.1.3 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of the Balancing Agreement Document that is being sent. The following type of Balancing Agreement Document is permitted: ALU = Balancing Agreement. (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

9.2.1.4 CREATIONDATETIME

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the Document.
Description	The date and time that the document was prepared for transmission by the application of the issuer.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

9.2.1.5 VALIDITYPERIOD

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document. This covers the whole period covered in the document
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

9.2.1.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	Reference to the account of the portfolio of the issuer.
Description	The contract reference identifies the portfolio of the issuer within the System Operator's domain.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

9.2.1.7 CONTRACTTYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of contract covering the document.
Description	The contract type identifies the nature of the contract defined in the document. Refer to the Edigas ReferenceType codelist for the list of valid codes.
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is used depending on local market rules.

9.2.1.8 ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who has issued the document.
Description	The issuer of the document is identified by a unique coded identification. This code identifies the Programme Responsible Party or the Balance Supplier who is the party that is the "owner" of the information being transmitted in the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of an issuer's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

652 #### 9.2.1.9 ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who has issued the document is playing.
Description	The role being played by the issuer of the document for this transmission. Permitted codes are: ZTY = Programme Responsible Party ZTZ = Balance Supplier. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

653 #### 9.2.1.10 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	The recipient of the document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of a recipient's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

654 #### 9.2.1.11 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who receives the document is playing.
Description	The role being played by the recipient of the document for this transmission. Permitted code is: ZSO = System Operator. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

9.2.1.12 APPLICATIONCONTEXT – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a particular context that is significant to the recipient.
Description	The application context is used to identify a particular context (location, application, etc.) that is relevant to the recipient of the document. The use of the application context must have previously been mutually agreed contractually. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC location code.
Size	The maximum length of an application context's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided when there is bi lateral agreement between the parties.

9.2.2 RULES GOVERNING THE CONNECTION POINT CLASS

The Connection Point class is provided for all Balancing Agreement Documents. This covers the connection point for which the Balancing Agreement has been established.

9.2.2.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a connection point.
Description	The identification of a connection point within a System Operator's system. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC measurement point code or the code "ZSO" for a System Operator code.
Size	The maximum length of the connection point identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the connection point identification and the coding scheme are mandatory.
Dependence requirements	None.

9.2.2.2 MEASUREUNIT.CODE

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to all the quantities in the Agreement class of the document.
Description	The unit of measurement used for all the quantities expressed within an Agreement class. The following codes are permitted: KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt hour per day (kWh/d) (Reference Edig@s UnitOfMeasureType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

9.2.3 RULES GOVERNING THE ACCOUNT CLASS

There must always be an Account class for a given connection point.

9.2.3.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the account that is known to the System Operator.
Description	The identification of the internal account within a System Operator's system that is relevant to the nomination. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code.
Size	The maximum length of the internal account is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

9.2.3.2 ACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the account identification.
Description	The System Operator that created the account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	The AccountTso is required if the identification of the System Operator that created the account is ambiguous.

9.2.4 RULES GOVERNING THE AGREEMENT CLASS

There must always be one or many Agreement classes related to an Internal Account Class.
Each Agreement class covers a specific balancing agreement with a given Balance Supplier or Programme Responsible Party.

9.2.4.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	The identification of the specific agreement established between a Programme Responsible Party and a Balance Supplier.
Description	The identification of the specific agreement that has been established between a Programme Responsible Party and a Balance Supplier for the provision of balancing energy at a given connection point.
Size	The maximum length of the agreement identification is 16 alphanumeric characters.
Applicability	The agreement identification is mandatory.
Dependence requirements	None.

9.2.4.2 PERIOD.TIMEINTERVAL

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the agreement in question.
Description	This information provides the start and end date and time of the duration of the agreement of the provision of balancing energy. The agreement period must be divisible by whole gas days. The agreement period may be equal to or less than the validity period
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

9.2.4.3 AGREEINGPARTY_ACCOUNT.IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Reference to the account of the portfolio of the agreeing party.
Description	The agreeing party account identifies the portfolio of the agreeing counter party within the System Operator's domain.
Size	The agreeing party account may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

9.2.4.4 AGREEINGPARTY_ACCOUNT.ACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the account identification.
Description	The System Operator that created the account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	The AccountTso is required if the identification of the System Operator that created the account is ambiguous.

9.2.4.5 REFERENCECATEGORY

ACTION	DESCRIPTION
Definition of element	The identification of the reference category characterising the agreement.
Description	The reference category that characterises the balancing agreement, for example, the category of the user of the gas. Refer to the Edig@s CharacteristicType codelist for the list of valid codes.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information depends on local market rules.

9.2.4.6 DIRECTION.CODE

ACTION	DESCRIPTION
Definition of element	Identifies how the energy flow has to be seen from the perspective of the System Operator's area.
Description	This identifies the direction of the energy flow. The Balance Supplier puts gas into the System Operator area and the Programme Responsible Party takes it out. Permitted codes are: Z02 = Input Z03 = Output (Reference Edig@s GasDirectionType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

9.2.4.7 PERCENT_QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The percentage of an imbalance that is covered by the agreement.
Description	This information defines the percentage of any Programme Responsible Party imbalance that is covered by the agreement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period ("."). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This information is provided only if there is no excluded quantity.

9.2.4.8 EXCLUDED_QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The quantity of the imbalance that is not covered by the agreement.
Description	This information defines the quantity for the imbalance that is excluded from the agreement. This quantity establishes the point (value included) from where the coverage for imbalance occurs. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period ("."). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This information is provided only if there is a quantity of the imbalance that is explicitly not covered under the agreement.

677 #### 9.2.4.9 MAX_QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The maximum quantity that a Balance Supplier will provide in context of the agreement.
Description	This information defines the maximum quantity (value included) that the Balance Supplier will provide in the context of the agreement. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (“.”). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	The information is only provided if there is a specific maximum quantity that can be allocated for the imbalance.

678

10 CONTEXTUAL MODEL OF BALANCING ANOMALY DOCUMENT (BALANO)

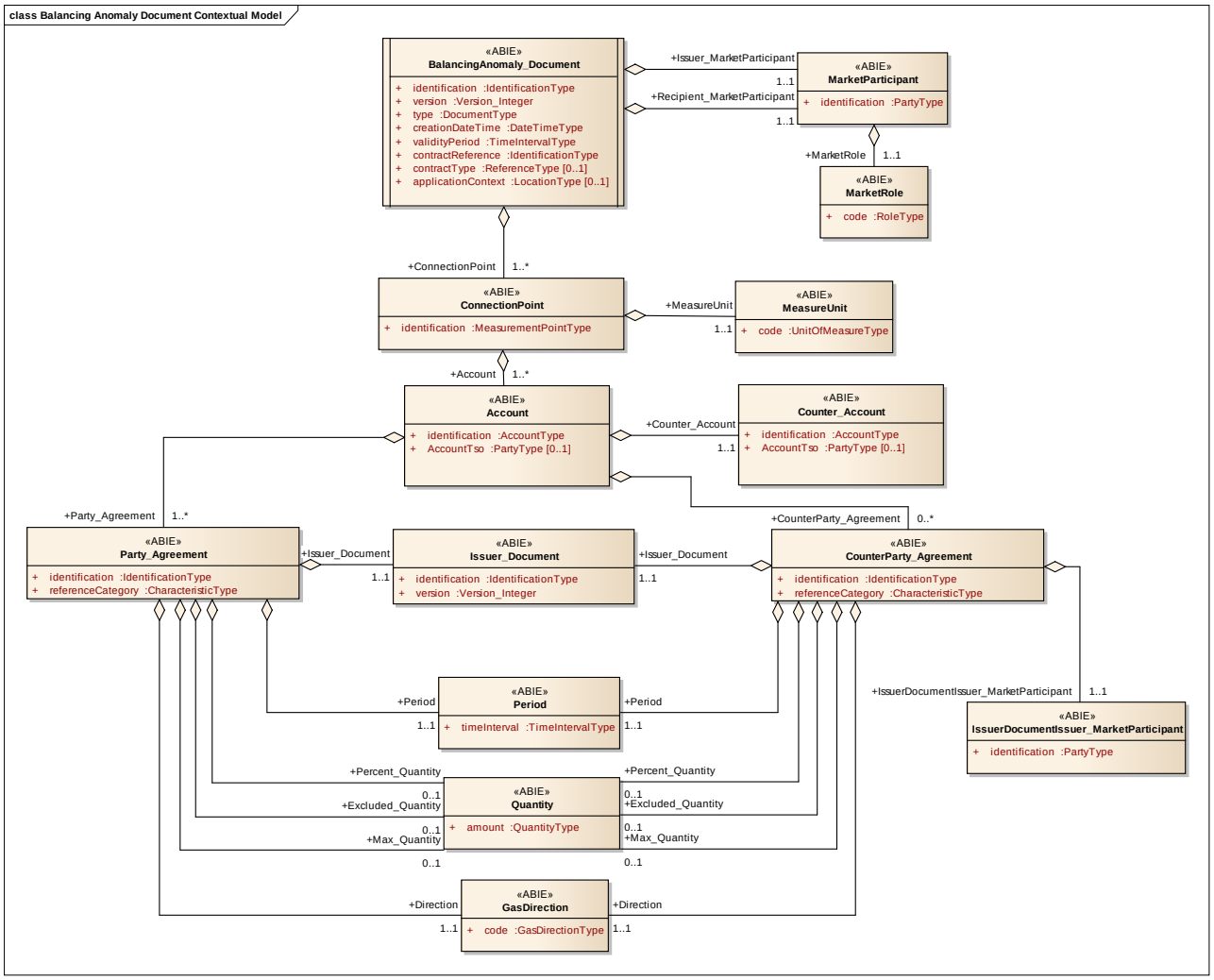


FIGURE 25: BALANCING ANOMALY DOCUMENT CONTEXTUAL MODEL

10.1 INFORMATION MODEL STRUCTURE

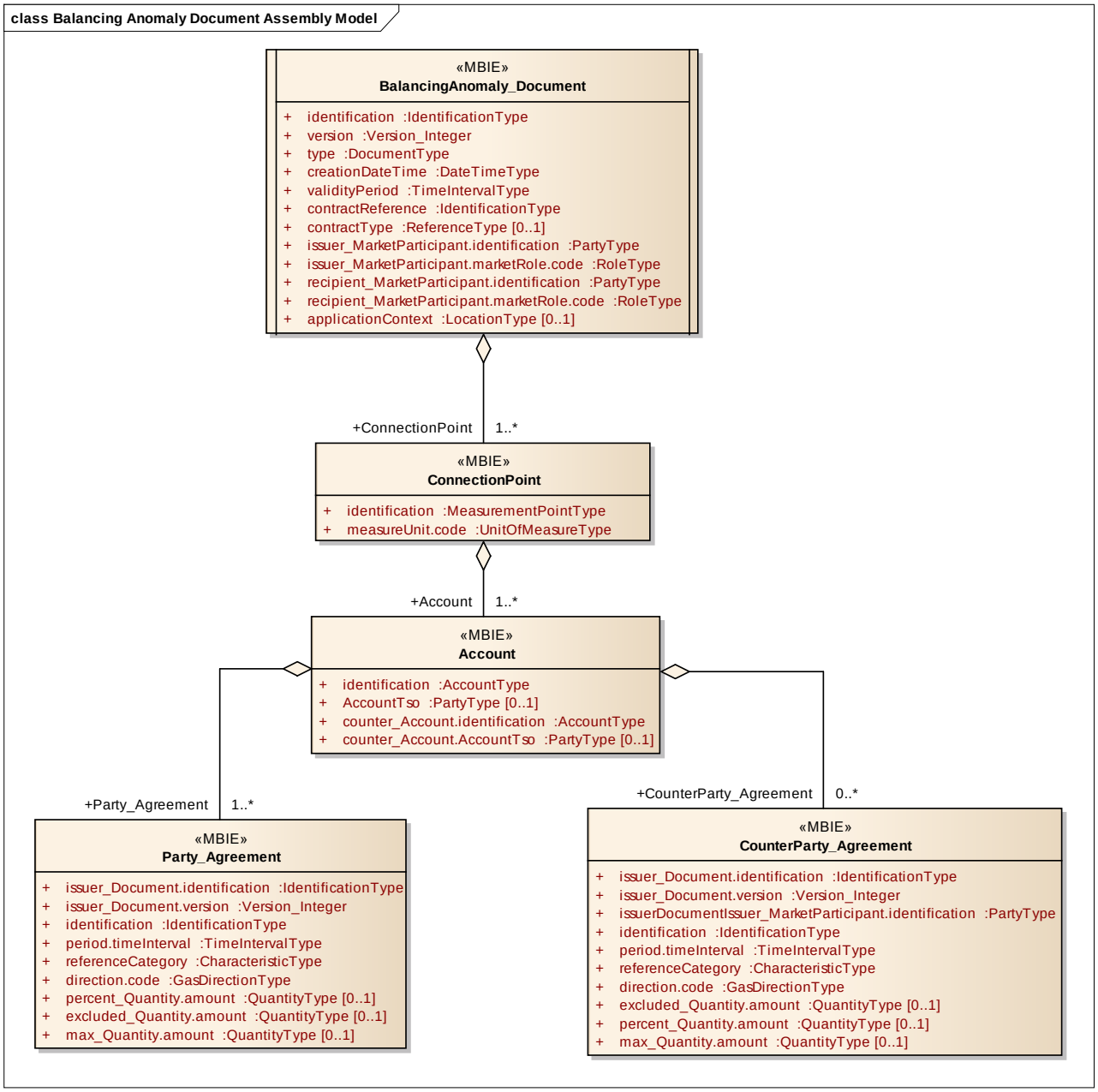


FIGURE 26: BALANCING ANOMALY DOCUMENT INFORMATION MODEL

10.2 INFORMATION MODEL DESCRIPTION

10.2.1 RULES GOVERNING THE BALANCING ANOMALY DOCUMENT CLASS

A Balancing Anomaly Document shall be provided if local market rules permit. The document shall provide to the submitting parties the agreements where anomalies exist. It is up to the submitting parties to resolve any problems and resubmit the Balancing Agreement Document in error.
A document is uniquely identified by the following attributes:

- The identification of the document
- The identification of the version
- The issuer identification

10.2.1.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Balancing Anomaly Document.
Description	A Balancing Anomaly Document must have an identification assigned by the issuer of the document to be sent to a recipient. The issuer must guarantee that this identification is unique over time.
Size	The identification of a Balancing Anomaly Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

10.2.1.2 VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document being sent.
Description	The document version is used to identify a given version of a Balancing Anomaly Document. The first version number for a given document identification shall normally be 1. The document version number must be incremented for each retransmission of a document that contains changes to the previous version. The receiving system shall only accept a document with a version number which is greater than the previous version number of the same document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

10.2.1.3 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of the Balancing Anomaly Document that is being sent. Permitted code is: ALV = Balancing Anomaly (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

10.2.1.4 CREATIONDATETIME

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the issuer.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

10.2.1.5 VALIDITYPERIOD

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document. This covers the whole period covered in the document
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

10.2.1.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	Identification of the contract reference that governs the documents contains.
Description	The contract reference identifies the contract under which the conditions of the content and transmission of the document have been agreed.
Size	The maximum length of the contract reference identification is 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is used depending on local market rules.

10.2.1.7 CONTRACTTYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of contract covering the document.
Description	The contract type identifies the nature of the contract defined in the document. Refer to the Edigas ReferenceType codelist for the list of valid codes.
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is used depending on local market rules.

701 #### 10.2.1.8 ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who has issued the document.
Description	The issuer of the document is identified by a unique coded identification. This code identifies the System Operator responding to a Balancing Agreement Document which contains anomalies. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of an issuer's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

702 #### 10.2.1.9 ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who has issued the document is playing.
Description	The role being played by the issuer of the document for this transmission. Permitted code is: ZSO = System Operator (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

703 #### 10.2.1.10 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	The recipient of the document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of a recipient's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

704 #### 10.2.1.11 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who receives the document is playing.
Description	The role being played by the recipient of the document for this transmission. Permitted codes are: ZTY = Programme Responsible Party. ZTZ = Balance Supplier. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

705 #### 10.2.1.12 APPLICATIONCONTEXT – CODINGSCHEME

ACTION	DESCRIPTION

Definition of element	The identification of a particular context that is significant to the recipient.
Description	The application context is used to identify a particular context (location, application, etc.) that is relevant to the recipient of the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC location code.
Size	The maximum length of an application context's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided when there is bi lateral agreement between the parties.

706 ### 10.2.2 RULES GOVERNING THE CONNECTIONPOINT CLASS

707 The Connection Point class is provided for all Balancing Anomaly Documents where an agreement is
708 found to have an anomaly. It covers the connection point for which the balancing agreement has been
709 established.

710 #### 10.2.2.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a connection point.
Description	The identification of a connection point within a System Operator's system. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC measurement point code or the code "ZSO" for a System Operator code.
Size	The maximum length of the connection point identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters
Applicability	Both the connection point identification and the coding scheme are mandatory
Dependence requirements	None.

711 #### 10.2.2.2 MEASUREUNIT.CODE

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to all the quantities in the Party Agreement class of the document.
Description	The unit of measurement used for all the quantities expressed within a Party Agreement class. The following codes are permitted: KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d) (Reference Edig@s UnitOfMeasureType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

712 ### 10.2.3 RULES GOVERNING THE ACCOUNT CLASS

713 There must always be an Account class for a given connection point.

714 #### 10.2.3.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the account that is known to the System Operator.
Description	The identification of the internal account within a System Operator's system that is relevant to the nomination. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code.
Size	The maximum length of the identification is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

715 #### 10.2.3.2 ACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the account identification.
Description	The System Operator that created the account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	The AccountTso is required if the identification of the System Operator that created the account is ambiguous.

716 #### 10.2.3.3 COUNTER_ACCOUNT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the counter account that is known to the System Operator.
Description	The identification of the counter internal account within a System Operator's system that is relevant to the nomination. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code.
Size	The maximum length of the counter account identification is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

10.2.3.4 COUNTER_ACCOUNT.ACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the account identification.
Description	The System Operator that created the account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	The AccountTso is required if the identification of the System Operator that created the account is ambiguous.

10.2.4 RULES GOVERNING THE PARTY AGREEMENT CLASS

There must always be at least one Party Agreement class related to an Account class.
Each Party Agreement class contains a copy of the information provided in the Agreement class of the party that is the recipient of the Balancing Anomaly Document.

10.2.4.1 ISSUER_DOCUMENT.IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document that is being referred to in the Balancing Anomaly Document
Description	The identification of the Balancing Agreement Document that the anomaly is to be found.
Size	The identification of a Balancing Anomaly Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

10.2.4.2 ISSUER_DOCUMENT.VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document sent by the issuer in which there was an anomaly.
Description	The document version is used to identify a given version of a Balancing Agreement Document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

10.2.4.3 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	The identification of the specific agreement established between a Programme Responsible Party and a Balance Supplier.
Description	The identification of the specific agreement that has been established between a Programme Responsible Party and a Balance Supplier for the provision of balancing energy at a given connection point and is found in the Balancing Agreement Document.
Size	The maximum length of the agreement identification is 16 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

725 #### 10.2.4.4 PERIOD.TIMEINTERVAL

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the agreement in question.
Description	This information provides the start and end date and time of the duration of the agreement of the provision of balancing energy and is found in the Balancing Agreement Document.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

726 #### 10.2.4.5 REFERENCECATEGORY

ACTION	DESCRIPTION
Definition of element	The identification of the reference category characterising the agreement.
Description	The reference category that characterises the balancing agreement and is found in the Balancing Agreement Document.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided if it appears in the Balancing Agreement Document.

727 #### 10.2.4.6 DIRECTION.CODE

ACTION	DESCRIPTION
Definition of element	Identifies how the energy flow has to be seen from the perspective of the System Operator's area.
Description	This identifies the direction of the energy flow that is found in the Balancing Agreement Document. Permitted codes are: Z02 = Input Z03 = Output (Reference Edig@s GasDirectionType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

728 #### 10.2.4.7 PERCENT_QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The percentage of an imbalance that is covered by the agreement.
Description	This information defines the percentage of any Programme Responsible Party imbalance that is covered by the agreement and is found in the Balancing Agreement Document.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This information is provided only if it appears in the Balancing Agreement Document.

10.2.4.8 EXCLUDED_QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The quantity of the imbalance that is not covered by the agreement.
Description	This information defines the quantity for the imbalance that is excluded from the agreement and is found in the Balancing Agreement Document.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This information is provided only if it appears in the Balancing Agreement Document.

10.2.4.9 MAX_QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The maximum quantity that a Balance Supplier will provide in context of the agreement.
Description	This information defines the maximum quantity that the Balance Supplier will provide in the context of the agreement and is found in the Balancing Agreement Document.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	The information is only provided if it appears in the Balancing Agreement Document.

10.2.5 RULES GOVERNING THE COUNTERPARTY AGREEMENT CLASS

A Counter Party Agreement class is provided if a mismatch has occurred and it contains the information concerning the balancing agreement submitted by the counter party. The Counter Party Agreement class may be absent in the case where it had never been received.

10.2.5.1 ISSUER_DOCUMENT.IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document that is being referred to in the Balancing Anomaly Document
Description	The identification of the Balancing Agreement Document that the anomaly is to be found.
Size	The identification of a Balancing Anomaly Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

10.2.5.2 ISSUER_DOCUMENT.VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document sent by the issuer in which there was an anomaly.
Description	The document version is used to identify a given version of a Balancing Agreement Document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

737 #### 10.2.5.3 ISSUERDOCUMENTISSUER_MARKETPARTICIPANT.IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the issuer of the counter party document.
Description	The issuer of the document is identified by a unique coded identification. This code identifies the party that issued the counter party document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of an issuer's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

738 #### 10.2.5.4 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	The identification of the specific agreement established between a Programme Responsible Party and a Balance Supplier.
Description	The identification of the specific agreement that has been established between a Programme Responsible Party and a Balance Supplier for the provision of balancing energy at a given connection point and is found in the Balancing Agreement Document.
Size	The maximum length of the agreement identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the agreement identification and the coding scheme are mandatory.
Dependence requirements	None.

739 #### 10.2.5.5 PERIOD.TIMEINTERVAL

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the agreement in question.
Description	This information provides the start and end date and time of the duration of the agreement of the provision of balancing energy and is found in the Balancing Agreement Document.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

740 #### 10.2.5.6 REFERENCECATEGORY

ACTION	DESCRIPTION
Definition of element	The identification of the reference category characterising the agreement.
Description	The reference category that characterises the balancing agreement and is found in the Balancing Agreement Document.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

741 #### 10.2.5.7 DIRECTION.CODE

ACTION	DESCRIPTION
Definition of element	Identifies how the energy flow has to be seen from the perspective of the System Operator's area.
Description	This identifies the direction of the energy flow that is found in the Balancing Agreement Document. Permitted codes are: Z02 = Input Z03 = Output (Reference Edig@s GasDirectionType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

742 #### 10.2.5.8 PERCENT_QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The percentage of an imbalance that is covered by the agreement.
Description	This information defines the percentage of any Programme Responsible Party imbalance that is covered by the agreement and is found in the Balancing Agreement Document.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This information is provided only if it appears in the Balancing Agreement Document.

743 #### 10.2.5.9 EXCLUDED_QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The quantity of the imbalance that is not covered by the agreement.
Description	This information defines the quantity for the imbalance that is excluded from the agreement and is found in the Balancing Agreement Document.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This information is provided only if it appears in the Balancing Agreement Document.

744 **10.2.5.10 MAX_QUANTITY.AMOUNT**

ACTION	DESCRIPTION
Definition of element	The maximum quantity that a Balance Supplier will provide in context of the agreement.
Description	This information defines the maximum quantity that the Balance Supplier will provide in the context of the agreement and is found in the Balancing Agreement Document.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This is only provided if in the Balancing Agreement Document.

11 CONTEXTUAL MODEL OF BALANCING CONFIRMATION DOCUMENT (BALCON)

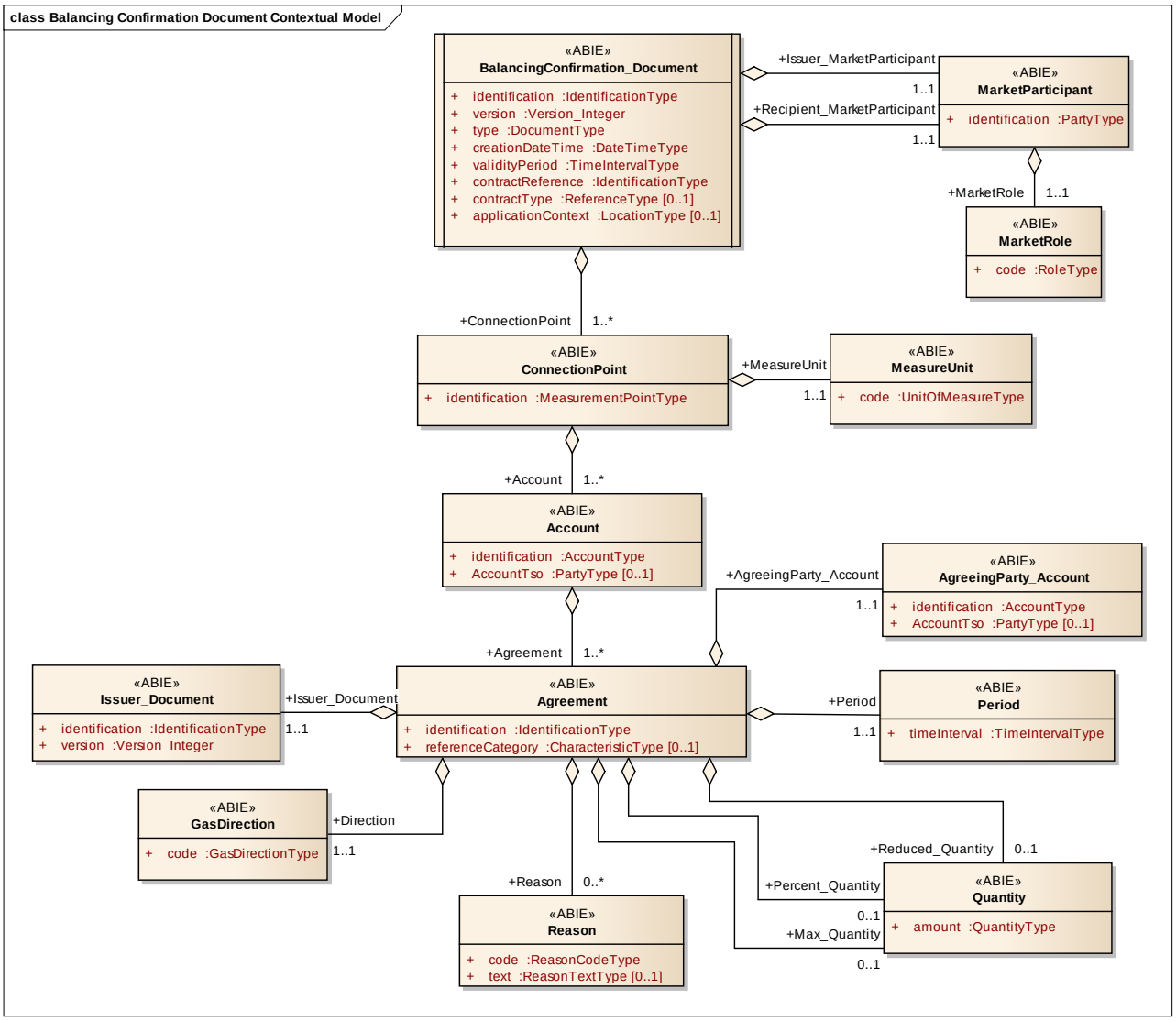


FIGURE 27: BALANCING CONFIRMATION DOCUMENT CONTEXTUAL MODEL

11.1 INFORMATION MODEL STRUCTURE

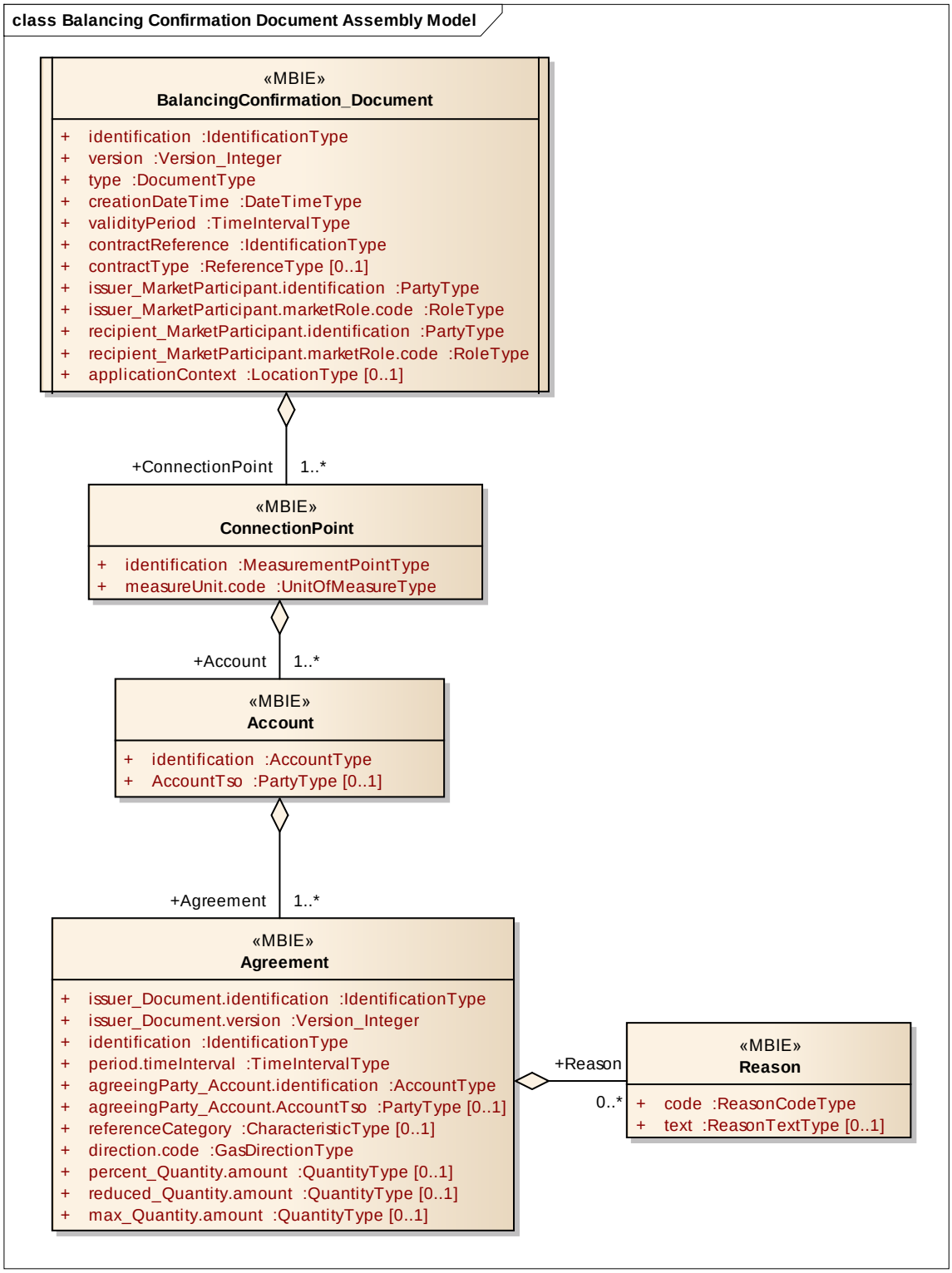


FIGURE 28: BALANCING CONFIRMATION DOCUMENT INFORMATION MODEL

751 ## 11.2 INFORMATION MODEL DESCRIPTION

752 ### 11.2.1 RULES GOVERNING THE BALANCING CONFIRMATION DOCUMENT CLASS

753 The Balancing Confirmation Document class provides the general document information covering the
754 confirmation of a balancing agreement or set of balancing agreements.
755 A document is uniquely identified by the following attributes:
756 • The identification of the document
757 • The identification of the version
758 • The issuer identification

759 #### 11.2.1.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Balancing Confirmation Document.
Description	A Balancing Confirmation Document must have an identification assigned by the issuer of the document to be sent to a recipient. The issuer must guarantee that this identification is unique over time.
Size	The identification of a Balancing Confirmation Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

760 #### 11.2.1.2 VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document being sent.
Description	The document version is used to identify a given version of a Balancing Confirmation Document. The first version number for a given document identification shall normally be 1. The document version number must be incremented for each retransmission of a document that contains changes to the previous version. The receiving system shall only accept a document with a version number which is greater than the previous version number of the same document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

761 #### 11.2.1.3 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of the Balancing Confirmation Document that is being sent. The code permitted is: ALW = Balancing confirmation (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

762 #### 11.2.1.4 CREATIONDATETIME

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the issuer.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

763 #### 11.2.1.5 VALIDITYPERIOD

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document. This covers the whole period covered in the document
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

764 #### 11.2.1.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	Identification of the contract reference that governs the documents contents.
Description	The contract reference identifies the contract under which the conditions of the content and transmission of the document have been agreed.
Size	The maximum length of the contract reference identification is 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is used depending on local market rules.

765 #### 11.2.1.7 CONTRACTTYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of contract covering the document.
Description	The contract type identifies the nature of the contract defined in the document. Refer to the Edigas ReferenceType codelist for the list of valid codes.
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is used depending on local market rules.

766 #### 11.2.1.8 ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who has issued the document.
Description	The issuer of the document is identified by a unique coded identification. This code identifies the System Operator responding to a Balancing Agreement Document and confirming specific agreements as matched. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of an issuer's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

767 #### 11.2.1.9 ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who has issued the document is playing.
Description	The role being played by the issuer of the document for this transmission. The code permitted is: ZSO = System Operator (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

768 #### 11.2.1.10 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	The recipient of the document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of a recipient's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

769 #### 11.2.1.11 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who receives the document is playing.
Description	The role being played by the recipient of the document for this transmission. The codes permitted are: ZTY = Programme Responsible Party. ZTZ = Balance Supplier. (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

770 #### 11.2.1.12 APPLICATIONCONTEXT – CODINGSCHEME

ACTION	DESCRIPTION

Definition of element	The identification of a particular context that is significant to the recipient.
Description	The application context is used to identify a particular context (location, application, etc.) that is relevant to the recipient of the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC location code.
Size	The maximum length of an application context's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided when there is bi lateral agreement between the parties.

771 ### 11.2.2 RULES GOVERNING THE CONNECTION POINT CLASS

772 The Connection Point class is provided for all Balancing Agreement Documents. This covers the
773 connection point for which the balancing agreements are being confirmed.

774 #### 11.2.2.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a connection point.
Description	The identification of a connection point within a System Operator's system. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC code or the code "ZSO" for a System Operator code.
Size	The maximum length of the connection point identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters
Applicability	Both the connection point identification and the coding scheme are mandatory
Dependence requirements	None.

775 #### 11.2.2.2 MEASUREUNIT.CODE

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to all the quantities in the Agreement class of the document.
Description	The unit of measurement used for all the quantities expressed within an Agreement class. The following codes are permitted: KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d) (Reference Edig@s UnitOfMeasureType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

11.2.3 RULES GOVERNING THE ACCOUNT CLASS

There must always be an Account class for a given connection point.

11.2.3.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the account that is known to the System Operator.
Description	The identification of the internal account within a System Operator's system that is relevant to the nomination. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code.
Size	The maximum length of the identification is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

11.2.3.2 ACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the account identification.
Description	The System Operator that created the account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	The AccountTso is required if the identification of the System Operator that created the account is ambiguous.

11.2.4 RULES GOVERNING THE AGREEMENT CLASS

There must always be at least one Agreement class related to an Account class.
Each Agreement class contains a copy of the information provided in the Agreement class of the party that is the recipient of the Balancing Confirmation Document.

11.2.4.1 ISSUER_DOCUMENT.IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document that is being referred to in the Balancing Confirmation Document
Description	The identification of the Balancing Agreement Document that the agreement being confirmed is to be found.
Size	The identification of a Balancing Confirmation Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

785 #### 11.2.4.2 ISSUER_DOCUMENT.VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document sent by the issuer containing the agreement being confirmed
Description	The document version is used to identify a given version of a Balancing Agreement Document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

786 #### 11.2.4.3 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	The identification of the specific agreement established between a Programme Responsible Party and a Balance Supplier.
Description	The identification of the specific agreement that has been established between a Programme Responsible Party and a Balance Supplier for the provision of balancing energy at a given connection point and is found in the Balancing Agreement Document.
Size	The maximum length of the agreement identification is 16 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

787 #### 11.2.4.4 PERIOD.TIMEINTERVAL

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the agreement in question.
Description	This information provides the start and end date and time of the duration of the agreement of the provision of balancing energy and is found in the Balancing Agreement Document.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

788 #### 11.2.4.5 AGREEINGPARTY_ACCOUNT.IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Reference to the account of the portfolio of the agreeing party.
Description	The agreeing party account identifies the portfolio of the agreeing counter party within the System Operator's domain and is found in the Balancing Agreement Document.
Size	The agreeing party account may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

789 #### 11.2.4.6 AGREEINGPARTY_ACCOUNT.ACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the account identification.
Description	The System Operator that created the account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	The AccountTso is required if the identification of the System Operator that created the account is ambiguous.

790 #### 11.2.4.7 REFERENCECATEGORY

ACTION	DESCRIPTION
Definition of element	The identification of the reference category characterising the agreement.
Description	The reference category that characterises the balancing agreement and is found in the Balancing Agreement Document.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information depends on local market rules.

791 #### 11.2.4.8 DIRECTION.CODE

ACTION	DESCRIPTION
Definition of element	Identifies how the energy flow has to be seen from the perspective of the System Operator's area.
Description	This identifies the direction of the energy flow that is found in the Balancing Agreement Document.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

792 #### 11.2.4.9 PERCENT_QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The percentage of an imbalance that is covered by the agreement.
Description	This information defines the percentage of any Programme Responsible Party imbalance that is covered by the agreement and is found in the Balancing Agreement Document.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This information is provided only if it appears in the Balancing Agreement Document.

11.2.4.10 REDUCED_QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The quantity of the imbalance that is not covered by the agreement.
Description	This information defines the quantity for the imbalance that is excluded from the agreement and is found in the Balancing Agreement Document.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This information is provided only if it appears in the Balancing Agreement Document.

11.2.4.11 MAX_QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The maximum quantity that a Balance Supplier will provide in context of the agreement.
Description	This information defines the maximum quantity that the Balance Supplier will provide in the context of the agreement and is found in the Balancing Agreement Document.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	The information is only provided if it appears in the Balancing Agreement Document.

11.2.5 RULES GOVERNING THE REASON CLASS

The Reason class shall be used to provide status of the agreement information.

11.2.5.1 CODE

ACTION	DESCRIPTION
Definition of element	A code providing the status of the agreement
Description	The reason code provides the status of the agreement in the confirmation The following codes are permitted: 01G = Processed and accepted 63G = Counterparty missing 64G = Mismatch (Reference Edig@s ReasonCodeType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

798 #### 11.2.5.2 TEXT

ACTION	DESCRIPTION
Definition of element	Textual explanation of the reason code.
Description	If the code does not provide all the information to clearly identify the justification of an amendment then the textual information may be provided.
Size	The maximum length of this information is 512 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	Used only if the reason code is insufficient to identify an amendment or an error.

799

12 INFORMATION MODEL OF THE LIMITS DECLARATION DOCUMENT (LIMITS)

12.1 FUNCTIONAL DEFINITION

FIGURE 29: LIMITS DECLARATION USE CASE

In order to correctly ensure the definition of imbalance or supply limits it is possible to make a Limits declaration between Gas Companies for the transmission of the limits information of any quantity variable. This process enables a System Operator to report to a Programme Responsible Party or a End User a limit value that may influence the Programme Responsible Party's or End User's activities, e.g. limits of imbalance, limits of supply or off-take.

12.2 FIELD OF APPLICATION

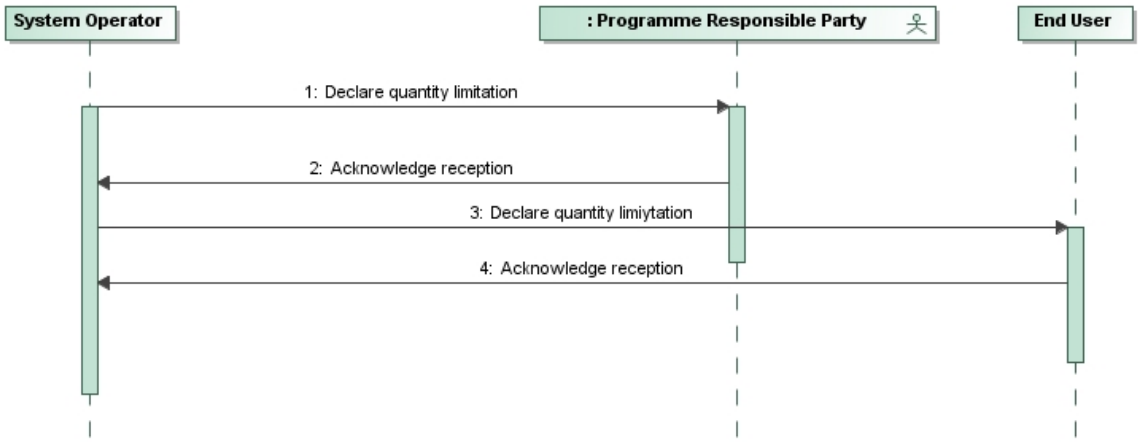


FIGURE 30: LIMITS DECLARATION SEQUENCE

The Limits declaration process may be triggered in two circumstances:

1. In the case of balance account limitations, the System Operator may send to a Programme Responsible Party a Limits declaration informing him of the imbalance limits for a transmission contract. The Programme Responsible Party shall comply with the limits declared. Exceeding the limits will result in a charge imposed on the Programme Responsible Party.
2. In the case of supply or off-take limitations, the System Operator may declare to the Programme Responsible Party or the End User the limits of supply for particular exit points (End Users) in compliance with the Transmission Network Code. The maximum quantity of gaseous fuel in given levels of supply becomes an integral part of the transmission contract.

12.2.1 LIMITS OF IMBALANCE

In the process of a commercial balancing, the System Operator providing balancing services is obliged to inform the Programme Responsible Party of the imbalance limits.

The imbalance limits are defined in the Transmission Network Code. The limits may be daily, monthly or hourly limits

Depending on these limits the Programme Responsible Party may be obliged to pay different charges for imbalance (for balancing in excess of the limits).

12.2.2 LIMITS OF SUPPLY OR OFF-TAKE

In particular cases there may be a need to introduce some limits of supply to or off-take by specific End Users (exit points). This is a means of dealing with gas system congestion or the security of supply.

There are multiple levels of supply where the 1st level signifies normal supply and the highest level signifies the maximum supply reduction. The limit values are given in daily and hourly measure units.

According to the Transmission Network Code the System Operator is obliged to inform the Programme Responsible Party of the limits of supply at particular exit points.

12.3 WORKFLOW

12.3.1.1 LIMITS DECLARATION WORKFLOW

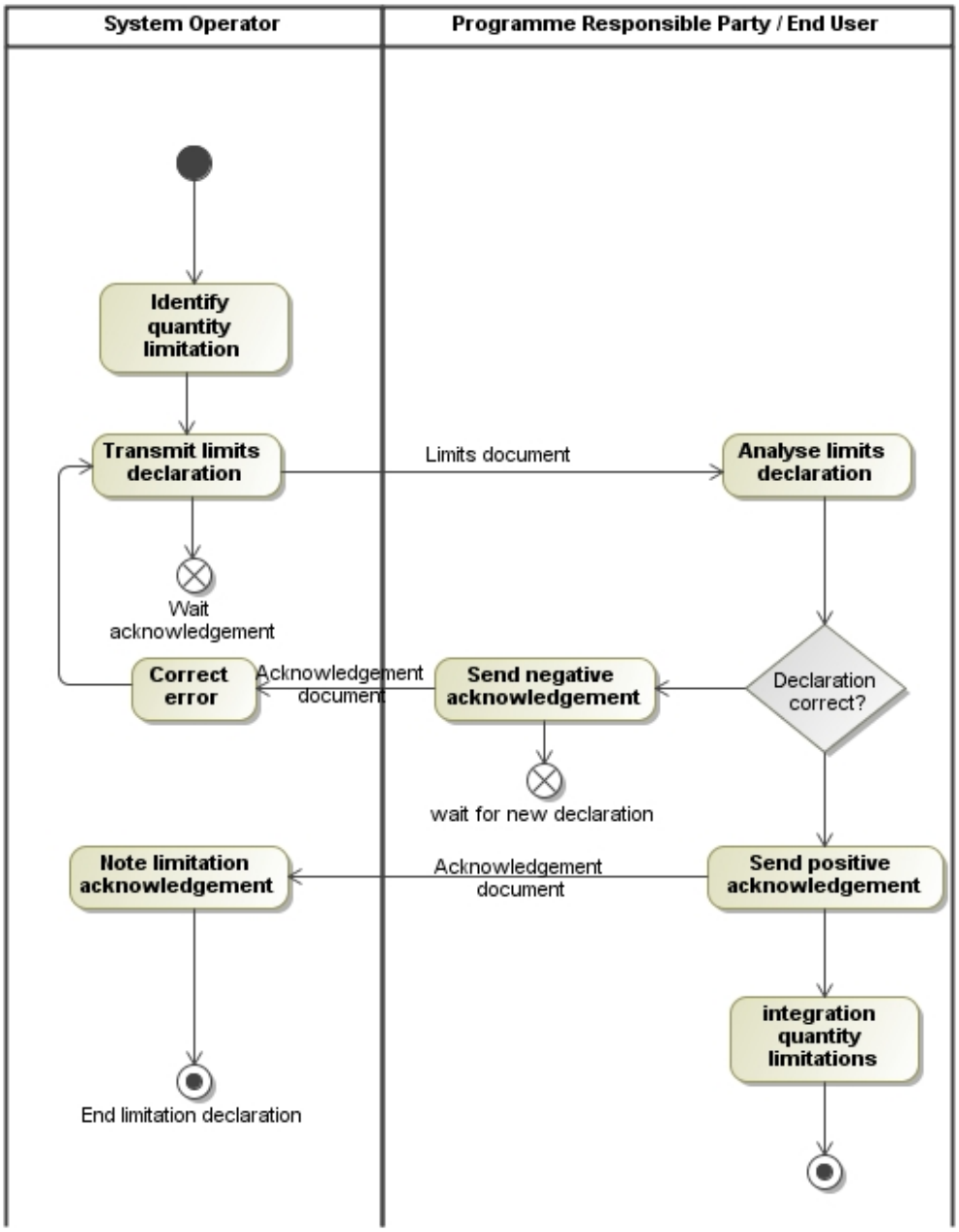


FIGURE 31: LIMIT DECLARATION WORKFLOW

The limits declaration process begins when a System Operator identifies a quantity limitation constraint that requires the action from the market participants (e.g. imbalance limits for a transmission contract,

limits of supply introduced to specific End Users /exit points which may be used as a means to handle gas system congestion).
The System Operator sends a Limits Document to the concerned Programme Responsible Parties or End Users to inform them of the quantity limitations
On reception of the document the recipient verifies its correctness.
If the document is incorrect, the recipient sends a negative acknowledgement and then waits for the reception of a revised limits declaration.
If the document is correct, the recipient sends a positive acknowledgement and then takes the necessary action to take into consideration the quantity limitation.

12.4 CONTEXTUAL MODEL IF THE LIMITS DOCUMENT

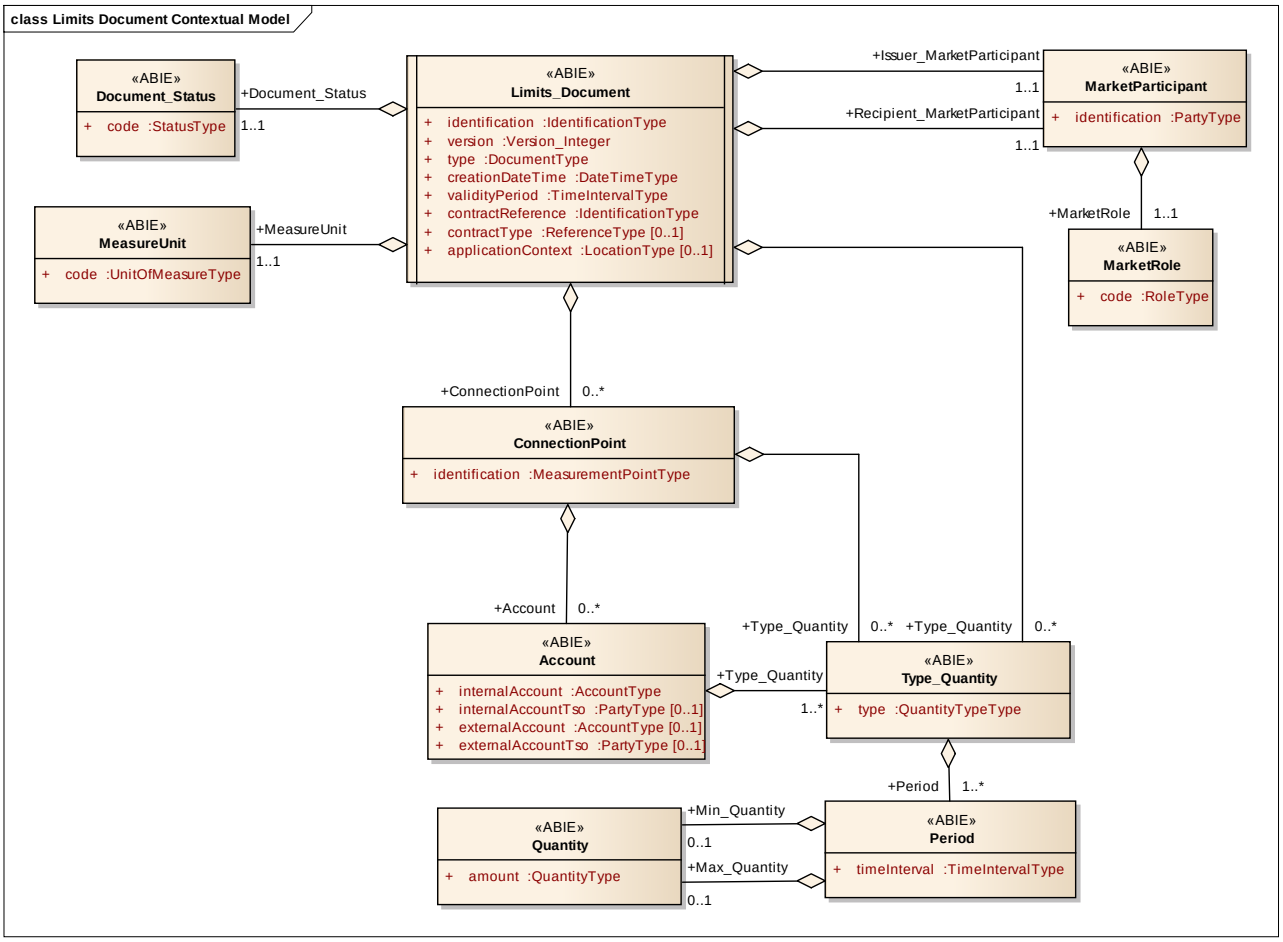


FIGURE 32: LIMITS DOCUMENT CONTEXTUAL MODEL

12.5 INFORMATION MODEL STRUCTURE

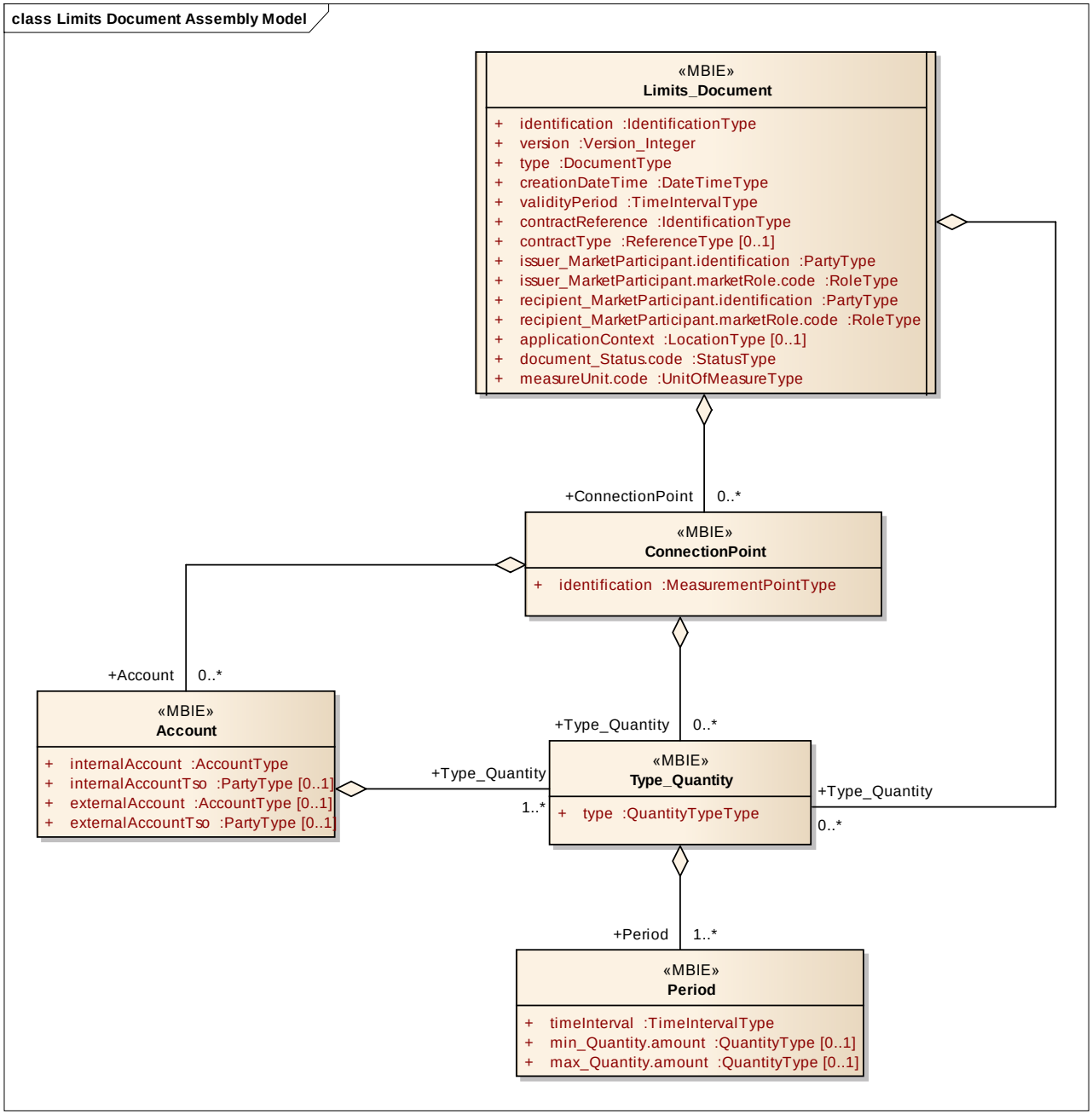


FIGURE 33: LIMITS INFORMATI ON MODEL

856 ## 12.6 INFORMATION MODEL DESCRIPTION

857 ### 12.6.1 RULES GOVERNING THE LIMITS DOCUMENT CLASS

858 A Limits Document is uniquely identified by the following attributes:
859 • The identification of the document
860 • The identification of the version
861 • The issuer identification

862 #### 12.6.1.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Limits Document.
Description	A Limits Document must have an identification assigned by the issuer of the document to be sent to a recipient. The issuer must guarantee that this identification is unique over time.
Size	The identification of a Limits Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

863 #### 12.6.1.2 VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document being sent.
Description	The document version is used to identify a given version of a Limits Document. The first version number for a given document identification shall normally be 1. The document version number must be incremented for each retransmission of a document that contains changes to the previous version. The receiving system shall only accept a document with a version number which is greater than the previous version number of the same document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

864 #### 12.6.1.3 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of the Limits Document that is being sent. The following types are permitted: ALX = Imbalance limits document ALY = Limits of supply document ALZ = Limits of off-take document. ANL = Storage / LNG limits (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

865 #### 12.6.1.4 CREATIONDATETIME

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the issuer.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

12.6.1.5 VALIDITYPERIOD

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document. This covers the whole period covered in the document
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

12.6.1.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	Reference to the contract referred to in the document.
Description	The contract reference identifies the contract that is used to qualify the information in the document.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

12.6.1.7 CONTRACTTYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of contract covering the document.
Description	The contract type identifies the nature of the contract defined in the document. Refer to the Edigas ReferenceType codelist for the list of valid codes.
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is used depending on local market rules.

12.6.1.8 ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who has issued the document.
Description	The issuer of the document is identified by a unique coded identification. This code identifies the party that is the "owner" of the information being transmitted in the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of an issuer's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

12.6.1.9 ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who has initiated the document is playing.
Description	The role being played by the Issuer of the document for this transmission. The following code is permitted: ZSO = System Operator (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

12.6.1.10 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	The recipient of the document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of a recipient's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

12.6.1.11 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who receives the document is playing.
Description	The role being played by the recipient of the document for this transmission. The following codes are permitted: ZTY = Programme Responsible Party UD = End User (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

12.6.1.12 APPLICATIONCONTEXT – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a particular context that is significant to the recipient.
Description	The application context is used to identify a particular context (location, application, etc.) that is relevant to the recipient of the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC location code.
Size	The maximum length of an application context's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided when there is bi lateral agreement between the parties.

12.6.1.13 DOCUMENT_STATUS.CODE

ACTION	DESCRIPTION
Definition of element	The identification of the status of the document.
Description	The status of the document. The following codes are permitted: 04G = Provisional value 05G = Definitive value (Reference Edig@s StatusType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

12.6.1.14 MEASUREUNIT.CODE

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to all the quantities in the Period class of the document.
Description	The unit of measurement used for all the quantities expressed within an Period class. The following codes are permitted: KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d) (Reference Edig@s UnitOfMeasureType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

12.6.2 RULES GOVERNING THE CONNECTION POINT CLASS

The Connection Point class is provided only where there is a specific limit on supply or off-take for a given connection point. The document type must be equal to "ALY", Limit of supply or "ALZ", Limit of Off take.

12.6.2.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a connection point.
Description	The identification of a connection point within a System Operator's system. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC measurement point code or the code "ZSO" for a System Operator code.
Size	The maximum length of the connection point identification is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the connection point identification and the coding scheme are mandatory.
Dependence requirements	None.

12.6.3 RULES GOVERNING THE ACCOUNT CLASS

The Account class is provided only where there is a connection point.

12.6.3.1 INTERNALACCOUNT – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the account that is known to a System Operator.
Description	The identification of the internal account within a System Operator's system for which the document is referencing. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code.
Size	The maximum length of the internal account is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters
Applicability	Both the internal account and the coding scheme are mandatory.
Dependence requirements	None.

12.6.3.2 INTERNALACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the internal account identification.
Description	The System Operator that created the internal account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	The InternalAccountTso is required if the identification of the System Operator that created the account is ambiguous

12.6.3.3 EXTERNALACCOUNT – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of an account defined by a System Operator.
Description	The identification of an account that has been defined by a System Operator. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code.
Size	The maximum length of the account identification is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the external account and the coding scheme are dependent.
Dependence requirements	.This is only used when an External Account is identified.

885 #### 12.6.3.4 EXTERNALACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the external account identification.
Description	The System Operator that created the external account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	The ExternalAccountTso is required if the identification of the System Operator that created the account is ambiguous.

886 ### 12.6.4 RULES GOVERNING THE TYPE QUANTITY CLASS

887 The Type Quantity class is always provided to give the nature of the quantity expressed in the period.
888 The Type Quantity class is present at the Connection Point level only if there is no account information.
889 At the Limits Document header level the Period class below the Type Quantity class shall provide the
890 imbalance limits for the document Issuer.
891 #### 12.6.4.1 TYPE

ACTION	DESCRIPTION
Definition of element	The identification of the type of quantity for which the limits are being expressed.
Description	This identifies the type of quantity for which the limits are being defined. Permitted codes are: ZWP = Nomination limit ZWQ = Top daily imbalance limit ZWR = Daily shortfall imbalance limit ZXW = Daily excess imbalance limit ZWS = cumulative shortfall imbalance ZXX = Cumulative excess imbalance (note: the max is the highest of 2 absolute values) ZXY = Nominal injection ZXZ = Nominal withdrawal ZYA = Storage inventory level ZYB = reduced Injection ZYC = Reduced withdrawal ZWT = Supply level 1 ZWU = Supply level 2 ZWV = Supply level 3 ZWW = Supply level 4 ZWX = Supply level 5 ZWY = Supply level 6 ZWZ = Supply level 7 ZXA = Supply level 8 ZXB = Supply level 9 ZXC = Supply level 10 ZXN = Limits where incentives are not paid ZXT = Non-cumulative hourly market limit (Reference Edig@s QuantityTypeType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

12.6.5 RULES GOVERNING THE PERIOD CLASS

12.6.5.1 TIMEINTERVAL

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the period in question.
Description	This information provides the start and end date and time of the duration of the period for which the limits apply.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

12.6.5.2 MIN_QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The minimum quantity limit.
Description	This information defines the minimum limit of the available quantity. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (“.”). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This information is mandatory if there is no maximum quantity.

12.6.5.3 MAX_QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The maximum quantity limit.
Description	This information defines the maximum limit of the available quantity. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (“.”). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This information is mandatory if there is no minimum quantity.

13 DOCUMENT CHANGE LOG

Package	Version	Date	Description
5.0	1	2013-07-03	Initial release
5.1	2	2013-12-19	Modified to ensure the alignment of all names in the models. Addition of an Account TSO to identify the TSO responsible for the creation of the account identification. Update of the LIMITS document.