SECTION

VI and Transparency Market Monitoring Publication Process

Version 5.1

EASEE-gas/Edig@s Workgroup

Document version: 3

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LIST OF FIGURES

1 REFERENCES

The content of the electronic documents defined in this 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 TRANSPARENCY PUBLICATION

2.1 GENERAL OVERVIEW

This document provides the definition of the Edig@s Transparency and Market Monitoring Publication Document to be used in Electronic Data Interchange (EDI) between Transmission, LNG and Storage System Operators and the Transparency platform for the transmission of the supply and demand information, based on nominations, forecasts and realised flows in and out of the system as well as the gas contained in LNG and storage facilities in addition to available storage that is required for publication in order to ensure market transparency under Regulation (EC) 715/2009 ('Regulation 715'). The document id divided into two parts, the first addressing transparency publication and a second part addressing market monitoring (Chapter 6).

The transparency activity is outlined in the use case in figure 1.

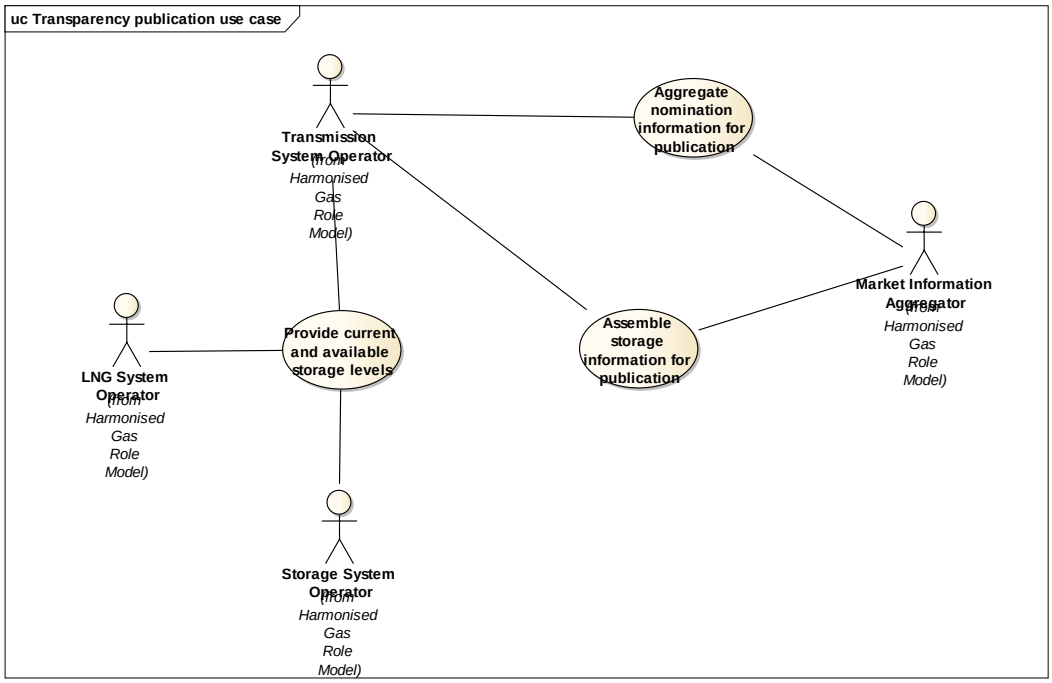

FIGURE 1: TRANSPARENCY PUBLICATION USE CASE

The Transparency Publication Document enables System Operators to send the information that is required for publication in order to ensure transparency on the marketplace.

Each Transmission System Operator, LNG Operator and Storage System Operator aggregates the necessary information together on a daily basis for transmission to the Market Information Aggregator who is responsible for its publication.

2.1.1 AGGREGATE NOMINATION INFORMATION FOR PUBLICATION

Once the nominations have been successfully matched for the day ahead, the Transmission System Operator aggregates the detailed information by connection point and eventually area and provides this information to the Market Information Aggregator for publication on the Transparency Platform.

2.1.2 PROVIDE CURRENT AND AVAILABLE STORAGE LEVELS

In the same timeframe the Storage and LNG System Operators identify the current storage levels and the storage that remains available and provides this information to the Transmission System Operator.

2.1.3 ASSEMBLE STORAGE INFORMATION FOR PUBLICATION

The Transmission System Operator assembles the storage information provided by the Storage Operator together by storage system and eventually by sub system (e.g. balancing area) and provides the assembled information to the Market Information Aggregator for publication.

2.2 FUNCTIONAL DEFINITION

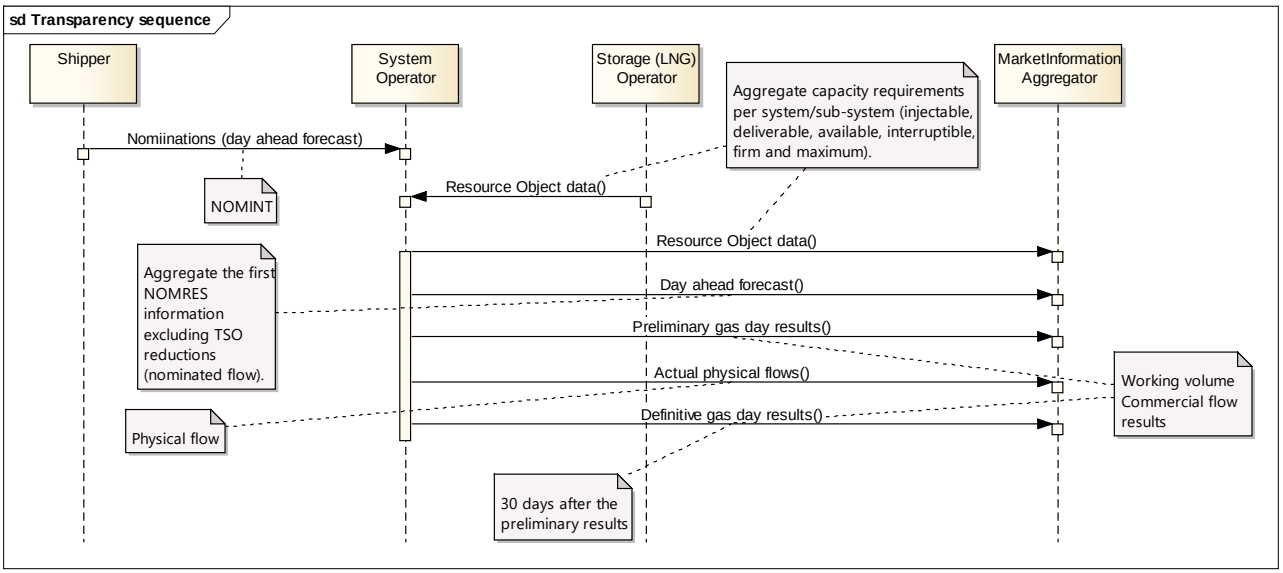

FIGURE 2: INFORMATION FLOW SEQUENCE

1. The Shippers provide the Transmission System Operator with their nomination schedules for the day ahead. Similar information is provided to the Storage and LNG System Operators.
2. The Storage and LNG system Operators determine the capacity of the systems for the day ahead as well as the capacity that remains available. This detailed information is then provided to the Transmission System Operator.

3-4. The Transmission System Operator aggregates the nomination information together and assembles the LNG and storage information. The resulting information is then provided to the Market Information Aggregator.

5-7. The results of the day are determined by the Transmission System Operator and they are provided to the Market Information Aggregator.

2.3 GAS REQUIRMENTS DECLARATION WORKFLOW

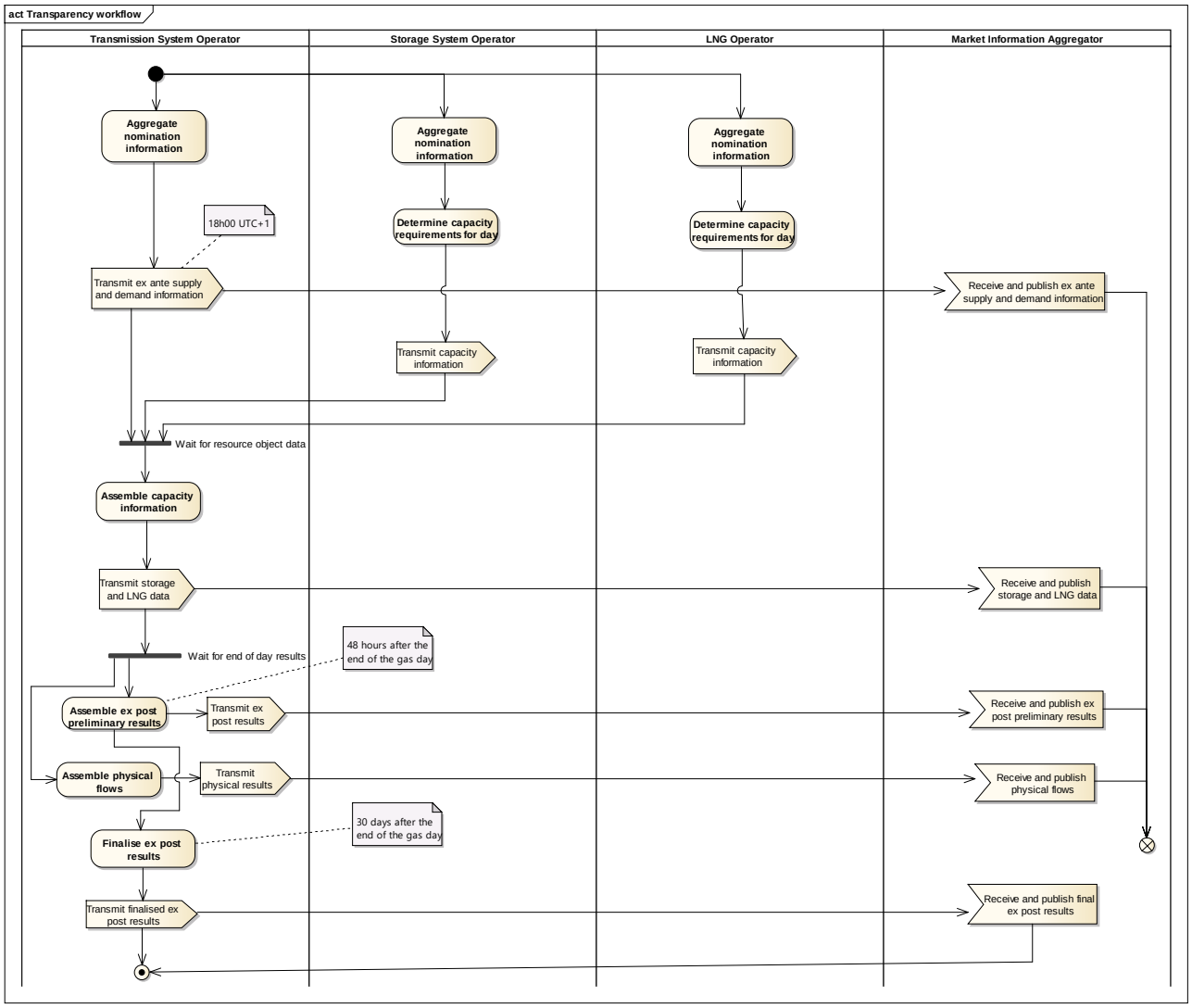

FIGURE 3: TRANSPARENCY WORKFLOW

The daily requirement for the publication of data on the Transparency Platform requires all the System Operators (Transmission, Storage and LNG) to aggregate their nomination information to the level required by the publication standard.

The Transmission System Operator sends the ex-ante supply and demand nomination information to the Market Information Aggregator for publication. This is required on a daily basis at 18h00 UTC+1.

The Storage and LNG System Operators send the capacity requirements per defined resource object (interconnection point, system or sub system) to the Transmission System Operator for assemblage and transmission to the Market Information Aggregator for publication.

At the end of the gas day the Transmission System Operator provides the ex-post supply and demand information to the Market Information Aggregator for publication. This is required 48 hours after the end of the gas day.

When the actual physical flow information becomes available the Transmission System Operator assemblies it together and transmits it to the Market Information Aggregator for publication.

30 days after the end of the gas day the Transmission System Operator transmits the final ex-post supply and demand information to the Market Information Aggregator for publication.

2.4 CONTEXTUAL MODEL FOR THE TRANSPARENCY PUBLICATION DOCUMENT (TRANSPB)

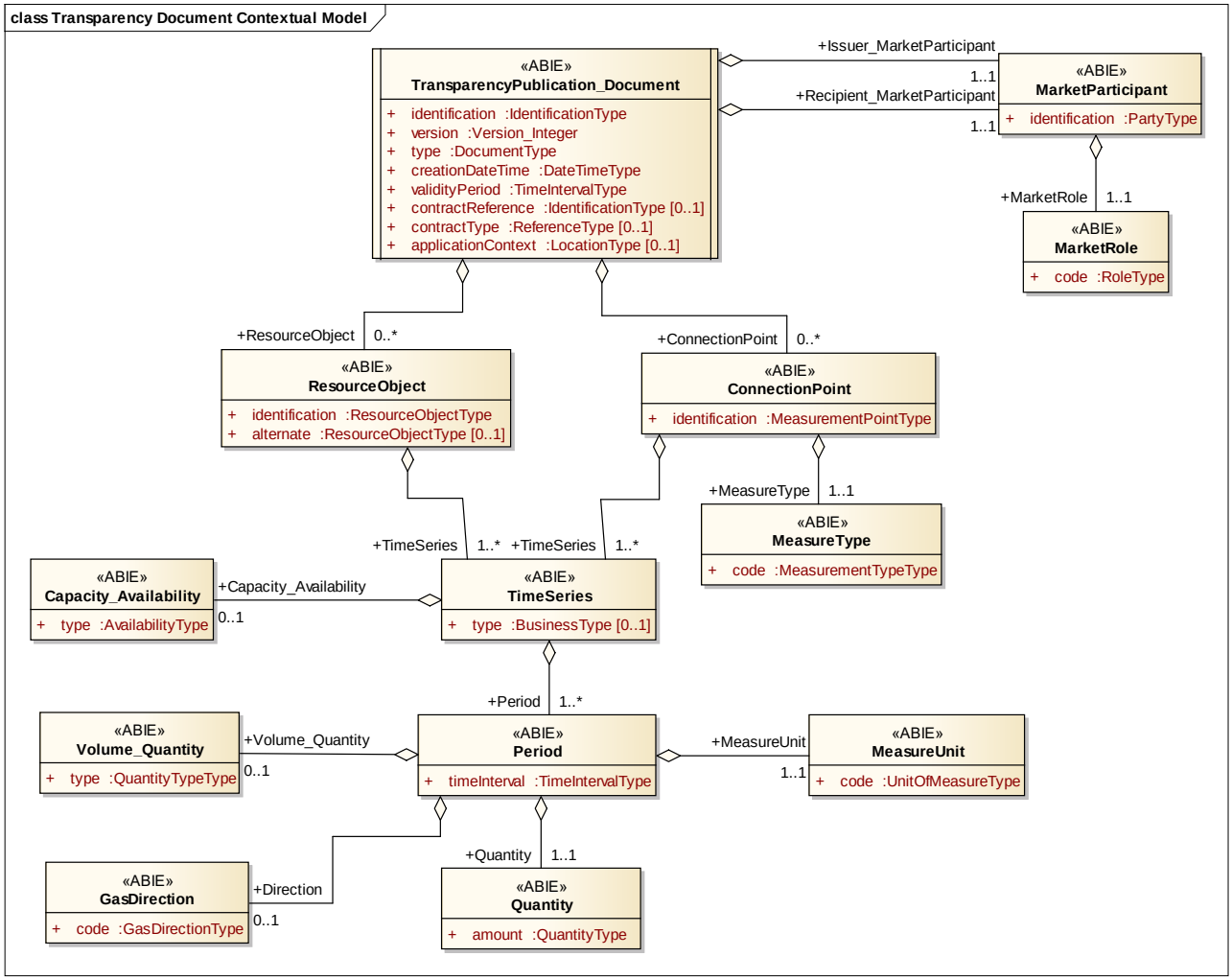

FIGURE 4: TRANSPARENCY PUBLICATION DOCUMENT CONTEXTUAL MODEL

2.4.1 INFORMATION MODEL STRUCTURE

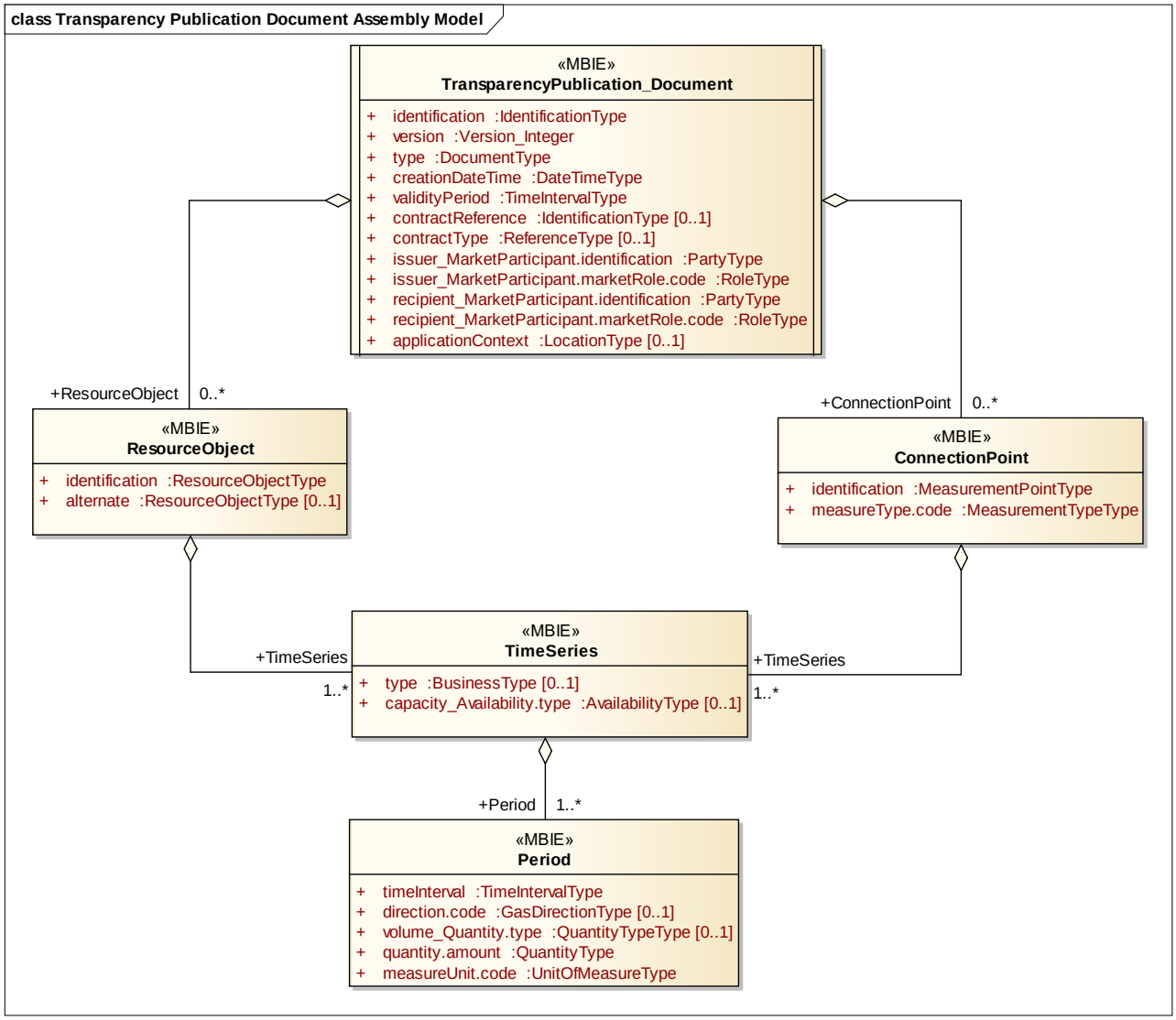

FIGURE 5: TRANSPARENCY PUBLICATION DOCUMENT ASSEMBLY MODEL

2.5 INFORMATION MODEL DESCRIPTION

2.5.1 RULES GOVERNING THE TRANSPARENCY PUBLICATION DOCUMENT CLASS

A document is uniquely identified by:

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

2.5.1.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Transparency Publication Document.
Description	A Transparency Publication 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 Transparency Publication Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

2.5.1.2VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document being sent.
Description	The document version is used to identify a given version of a Transparency Publication 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.

170 #### 2.5.1.3 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of the Transparency Publication Document that is being sent. The following types of Transparency Publication Document are currently permitted: AL3 = Day ahead forecast AL4 = Preliminary gas day results AL5 = Definitive gas day results AL6 = Actual Physical flows AL7 = Resource object data (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

171 #### 2.5.1.4 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.

172 #### 2.5.1.5 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.

173 #### 2.5.1.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	Reference to a contract covering the Transparency Publication Document.
Description	The contract reference provides the contract identification relevant to the whole document.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is used depending on local market rules.

174 **2.5.1.7 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.

175 **2.5.1.8 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.

176 **2.5.1.9 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 Transparency Publication Document the following roles 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.

177 **2.5.1.10 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.

178 **2.5.1.11 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 Transparency Publication Document the following roles are permitted: ZSO = System Operator ZUA = Market Information Aggregator. (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.

179 **2.5.1.12 APPLICATION CONTEXT – 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 should indicate the code "305" if it is 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 laterial agreement between the parties.

2.5.2 RULES GOVERNING THE CONNECTION POINT CLASS

The Connection Point class is provided to identify the connection points being reported in the document.

2.5.2.1 CONNECTION POINT – 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 should 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.

2.5.2.2 MEASURETYPE.CODE

ACTION	DESCRIPTION
Definition of element	The type of connection point.
Description	The identification of the type of the connection point being reported. The codes permitted are as follows: Z25 = Transmission system interface Z26 = Market area interface Z27 = Storage system interface Z28 = Production facility interface Z29 = LNG interface Z30 = Distribution system interface (Reference Edig@s MeasurementTypeType code list).
Size	The maximum length of the Type is 3 alphanumeric characters
Applicability	The information is mandatory
Dependence requirements	None.

2.5.3 RULES GOVERNING THE RESOURCE OBJECT CLASS

The Resource Object class is provided to identify the resource objects such as a storage system, a LNG storage system or subsystems.

2.5.3.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	The identification of the resource object being reported.
Description	The identification of a Resource object within the 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 resource object code or the code "ZSO" for a System Operator code.
Size	The maximum length of the resource object identification is 16 alphanumeric . The maximum length of the coding scheme is 3 alphanumeric characters
Applicability	This information is mandatory.
Dependence requirements	None

2.5.3.2 ALTERNATE - IDENTIFICATION

ACTION	DESCRIPTION

Definition of element	The identification of the resource object system that the resource object in question belongs.
Description	The identification of the Resource Object System to which the resource object in the object Identification belongs. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC resource object code or the code "ZSO" for a System Operator code.
Size	The maximum length of the Parent identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters
Applicability	This information is dependent.
Dependence requirements	In the case where the resource object being reported is a sub system, the parent identification is mandatory in order to identify the system to which the resource object belongs.

2.5.4 RULES GOVERNING THE TIMESERIES CLASS

There shall be one to many time series for a connection point or respurce object. However both dependencies are mutually exclusive.

2.5.4.1 TYPE

ACTION	DESCRIPTION
Definition of element	The identification of the type of product.
Description	The type of product that is being auctioned. The following codes are permitted: ZFA = Physical flow Z02 = Nominated flow Z12 = Commercial flow results ZEY = Initial nominated results Z15 = Interrupted capacity. (Reference Edig@s BusinessType code list).
Size	The maximum length of the CapacityCode is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The type information is mutually exclusive with the capacity availability type and is only permitted with nomination and allocation information (ANJ) or physical flow information (ANK).

2.5.4.2 CAPACITY_AVAILABILITY.TYPE

ACTION	DESCRIPTION
Definition of element	The identification of the type of capacity.
Description	The type of capacity that is being reported. The following codes are permitted: Z01 = Working volume Z02 = Injectability capacity Z03 = Deliverability capacity Z04 = Available total capacity ZFA = Available interruptible capacity ZFB = Available firm capacity ZEW = Published technical capacity Z05 = Booked Interruptible capacity Z06 = Booked Firm capacity Z13 = Current storage quantity. (Reference Edig@s AvailabilityType code list).
Size	The maximum length of the CapacityCode is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The capacity availability information is mutually exclusive with the type information and is only permitted with capacity allocation information (ANI).

2.5.5 RULES GOVERNING THE PERIOD CLASS

The Period class may be present at three levels within the document.

A Period class is present at the header level to identify Transmission System Operator Supply (output) and Demand (input) forecasts.

A Period class is present at the Category level to identify the various capacities of the storage or LNG systems for Resource Objects or to identify the detailed time interval information for connection points

2.5.5.1 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 Transparency Publication information applies.
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.

2.5.5.2 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 is as follows: 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	If the reference is being made to a connection point then this attribute must be used and the volume attribute must not.

2.5.5.3 VOLUME_QUANTITY.TYPE

ACTION	DESCRIPTION
Definition of element	Identifies for volume information the nature of the volume being reported
Description	This identifies the Volume is as follows: Permitted code is: ZLA = Volume at normal conditions (Reference Edig@s QuantityTypeType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is Dependent.
Dependence requirements	If the reference is being made to a resource object then this attribute must be used and the direction attribute must not.

203 #### 2.5.5.4 QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The quantity being reported for the period.
Description	This information defines the quantity that is being reported for the period in question. 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

204 #### 2.5.5.5 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 is the code recommended for use: KWH = Kilowatt hour KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt hour per day (kWh/d) MTQ = Cubic meter GWH = Gigawatt hour (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.

3 MARKET MONITORING

3.1 GENERAL OVERVIEW

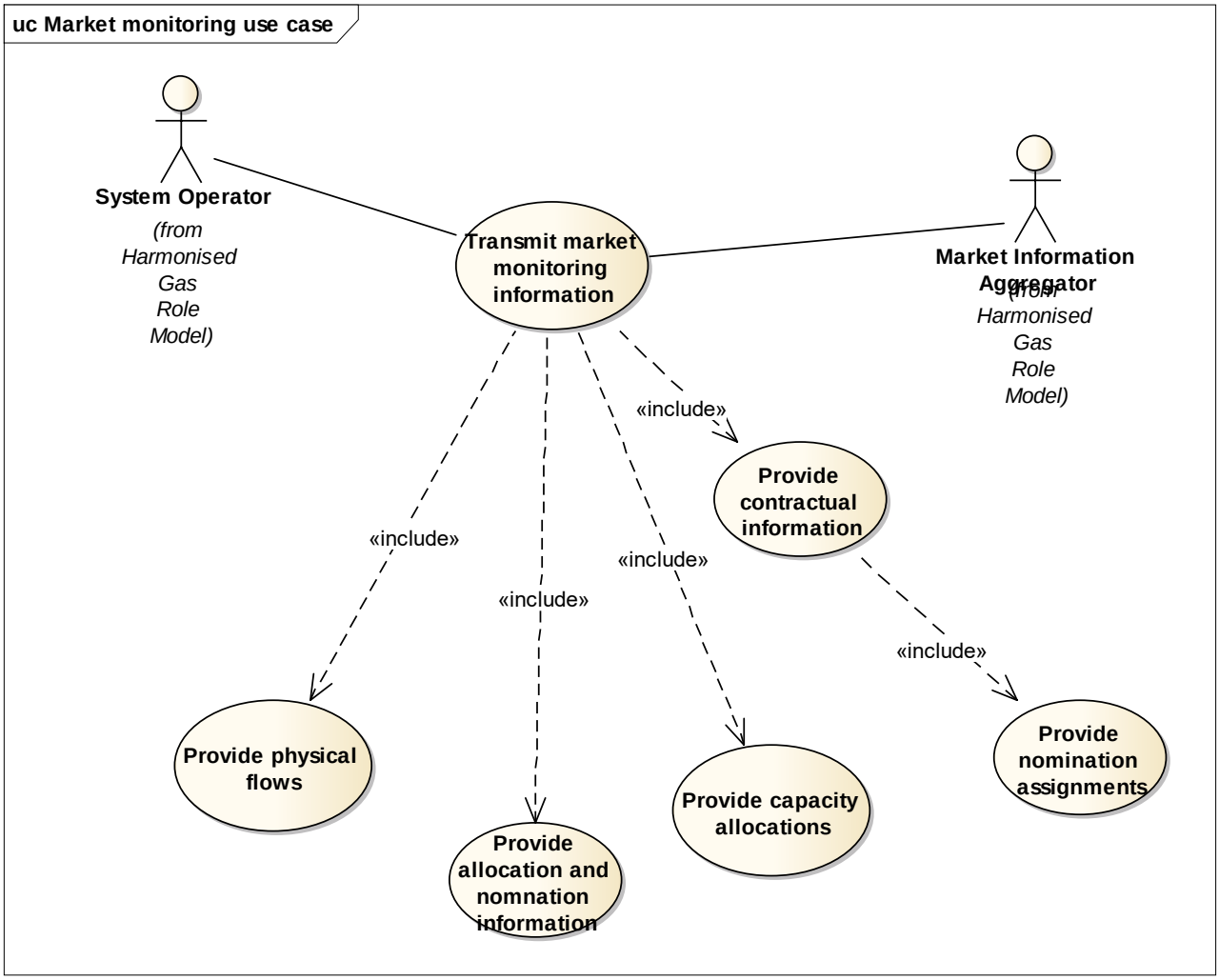

FIGURE 6: GENERAL USE CASE OVERVIEW

The Market Monitoring process is a reporting process on gas market activity within a given area. It is broken down into 4 basic use cases:

1. Provide contractual information. This use case caters for the transmission by the System Operator to the designated Market Information Aggregator of basic contractual information related to the market. A subset of this relates more specifically to the provision of nomination assignments.
2. Provide capacity allocations. This use case enables a System Operator to provide to a designated Market Information Aggregator all the information that is related to capacity allocations.
3. Provide nomination and allocation information. This use case caters for the provision of all validated nomination and allocation information for a given gas period.
4. Provide physical flows. The last use case caters for transmission of all gas physical flows that have occurred during a given gas period.

3.2 THE MARKET MONITORING BUSINESS PROCESS SEQUENCE

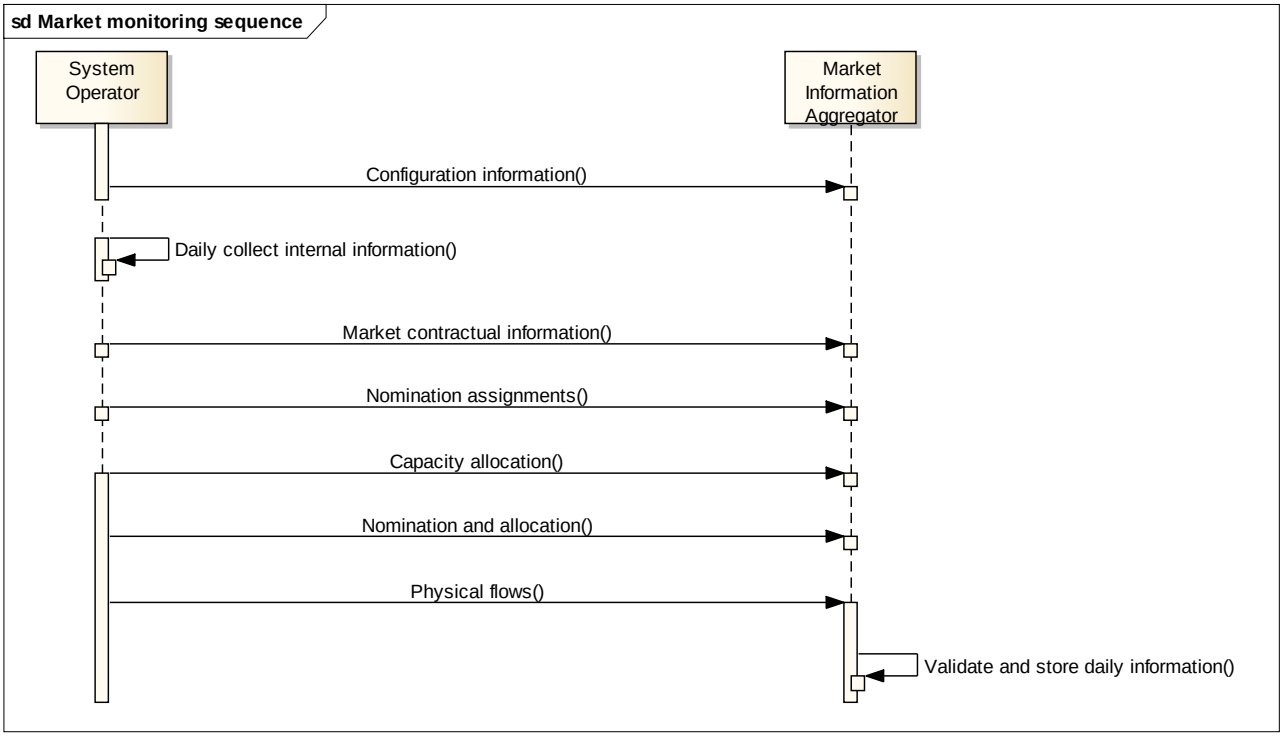

FIGURE 7: THE BUSINESS PROCESS SEQUENCE DIAGRAM

The sequence dizgram identified in figure 7 provides an overview of the logical sequence that information is reported by a System Operator to a designated Market Information Aggregator. Repetitions of a given sequence within the diagram may occur at any time.

The initialising information flow concerns the transmission of configuration information to the designated Market Information Aggregator to enable the initialisation or maintenance of basic static data that is required in order to ensure the coherence of the receiving system. It is currently outside the scope of this implementation guide and is merely provided to indicate a requirement for basic configuration information as well as being a place holder for future developments.

On a daily basis all required information is collected from various sources by the System Operator.

When the information collection is completed the System Operator transmits to the designated Market Information Aggregator the information that has been duly validated.

Three basic electronic documents have been designed to provide all the necessary information:

1. The Contractual Market Monitoring Document that enables the transmission of all required contractual information to the Market Information Aggregator.
2. The Nomination Assignment Document that enables the transmission of all market nomination information to the Market Information Aggregator.
3. The Capacity and Nomination Monitoring Document that enables the transmission of capacity allocations, final nomination and allocation information and at the end of each period the physical flow information.

3.3 THE MARKET MONITORING BUSINESS PROCESS WORKFLOW

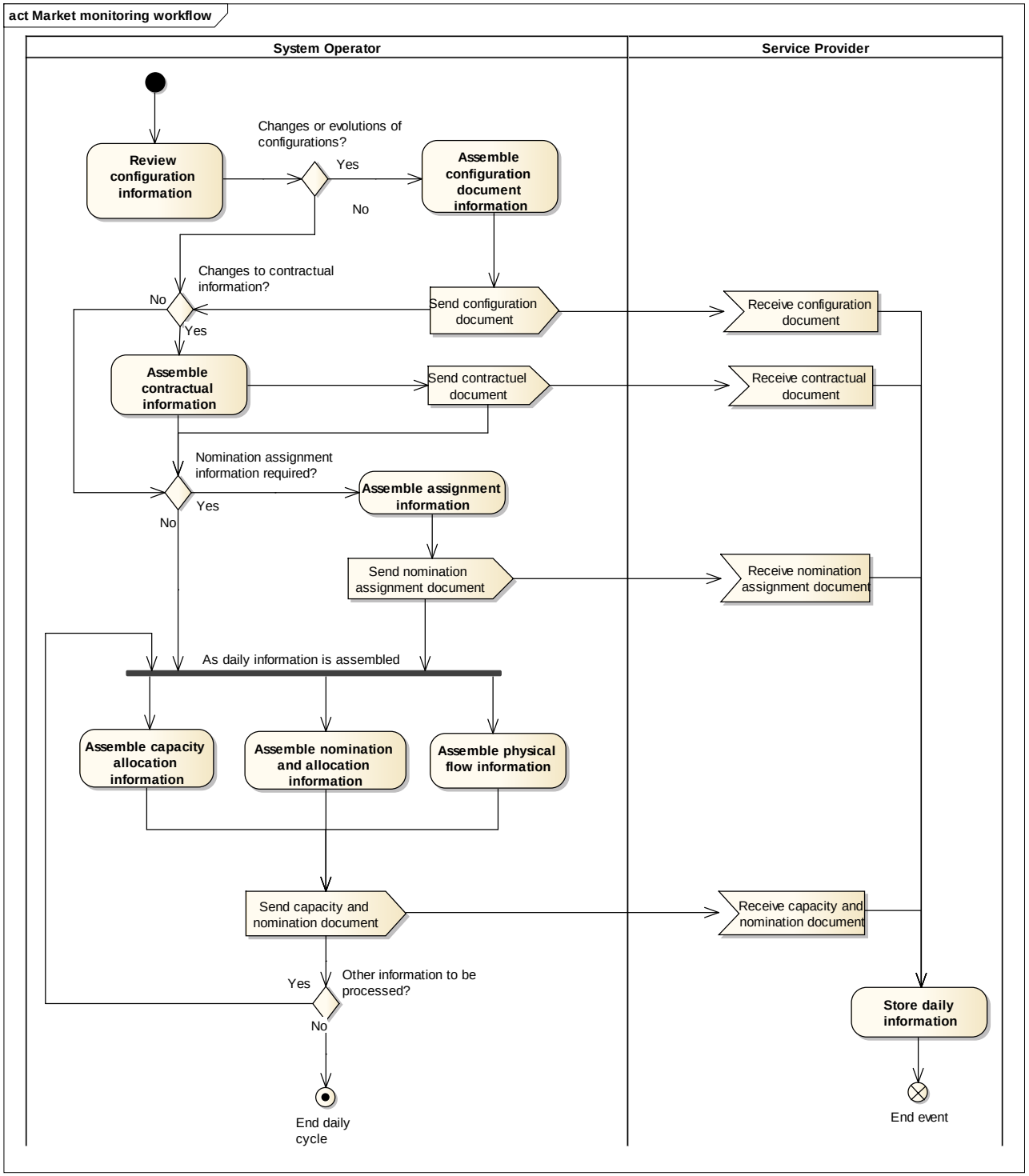

FIGURE 8: MARKET MONITORING WORKFLOW

The workflow of the provision of market monitoring information is decomposed into two distinct phases. The first phase basically covers the the provision of configuration information, market contractual information and nomination assignments. This information is provided at a rhythm that is not strictly related to a systematic daily process. For example the nomination assignments could be for weekly, monthly or yearly nominations.

The second phase covers the systematic daily process which is basically the provision of capacity allocation, nomination and allocations and physical flows.

Every step requires the transmission of the information to the Market Information Aggregator who in turn acknowledges each transmission. The acknowledgement may be positive, indicating that the information

appears to be coherent and that there is no unprocessable information, or it may be negative, indicating that the information provided cannot be correctly provessed by the receiving system. In the case of negative acknowledgements the complete electronic document is retransmitted. The Edigas Acknowledgement Document is used for this process.

3.4 CONTEXTUAL MODEL FOR THE CONTRACT MARKET MONITORING DOCUMENT

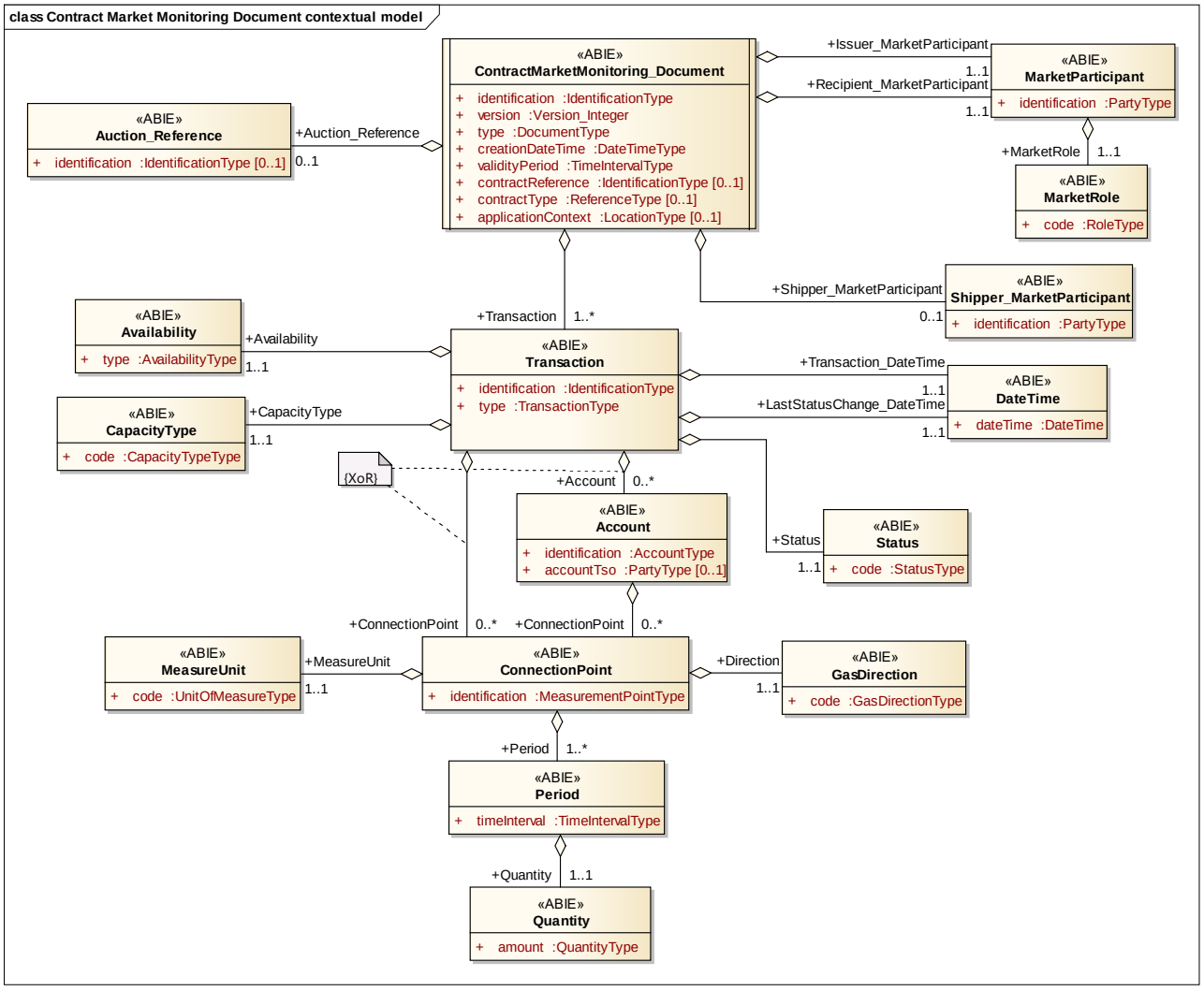

FIGURE 9: CONTRACTUAL MARKET MONITORING DOCUMENT CONTEXTUAL MODEL

3.4.1 INFORMATION MODEL STRUCTURE

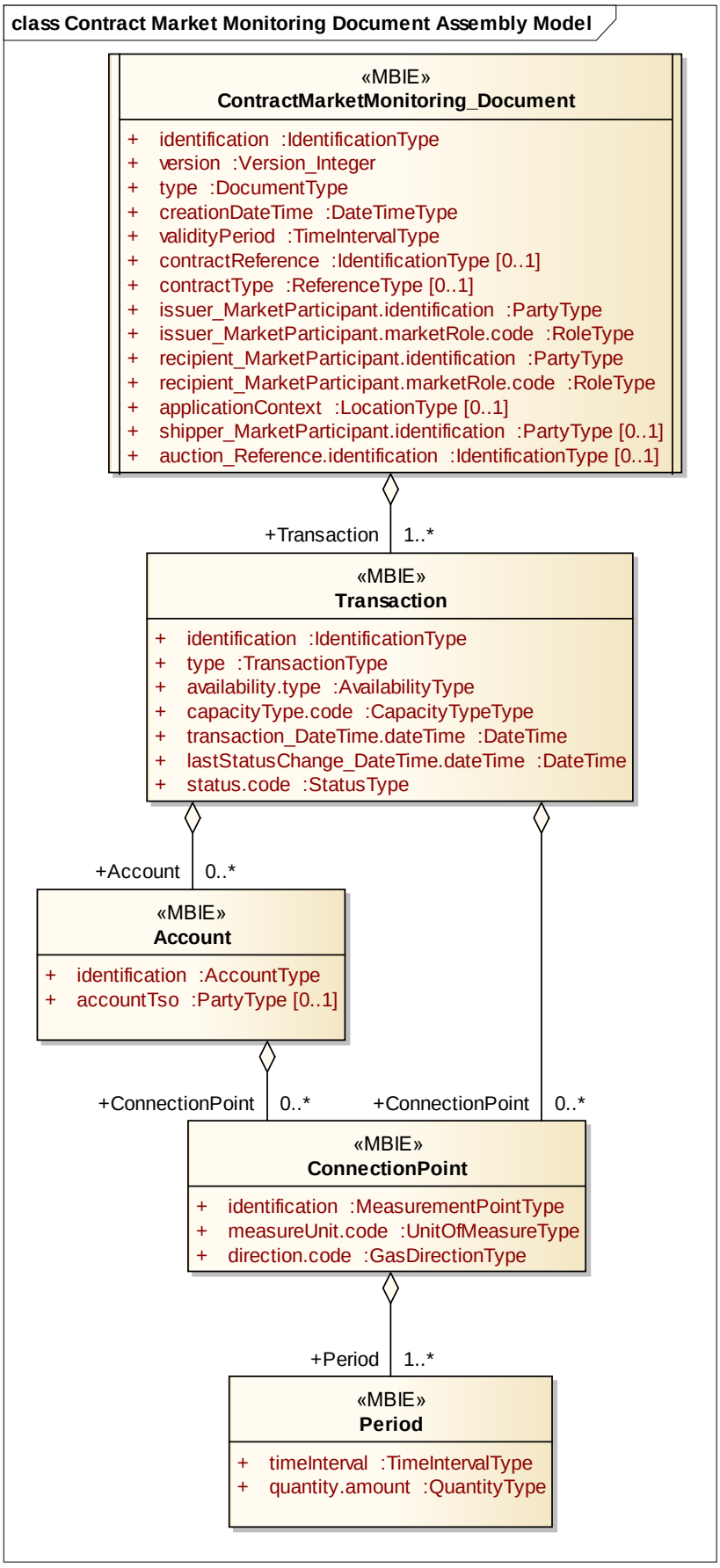

FIGURE 10: CONTRACT MARKET MONITORING DOCUMENT ASSEMBLY MODEL

3.4.2 INFORMATION MODEL DESCRIPTION

A Contract Market Monitoring Document is used to provide contractual market information.

3.4.3 RULES GOVERNING THE CONTRACTMARKETMONITORING_DOCUMENT CLASS

A document is uniquely identified by:

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

The attribute "release" that is in the schema header shall indicate the release of the XML schema. This value only changes when there is an effective change to the XML schema content. The "release" attribute shall always be "3" for this version of the document. (Note: the "release" attribute has been integrated into the namespace URL of the document and consequently is deprecated.)

3.4.3.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Contract Market Monitoring Document.
Description	A Contract Market Monitoring 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 Contract Market Monitoring Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

3.4.3.2 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 Contract Market Monitoring 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.

281 **3.4.3.3TYPE**

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

282 **3.4.3.4CREATIONDATETIME**

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.

283 **3.4.3.5VALIDITYPERIOD**

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 all the auctions 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.

284 **3.4.3.6 CONTRACTREFERENCE**

ACTION	DESCRIPTION
Definition of element	The identification of the contract reference covering the contract.
Description	The contract reference provides the contractual identification relevant for the whole document.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The use of this attribute is dependent on local market rules. ***This information is not used in the case of REMIT transmissions.***

285 **3.4.3.7 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 specified in the contract reference. Refer to the Edig@s code list for the list of valid codes (Reference Edig@s ReferenceType code list)
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The use of this attribute may only be used if there is a contract reference. ***This information is not used in the case of REMIT transmissions.***

286 **3.4.3.8 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.

287 **3.4.3.9ISSUER_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 roles are permitted for this document: ZUA = Market Information Aggregator ZSO = System Operator ***(not used in the case of REMIT).*** (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.

288 **3.4.3.10 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.

289 **3.4.3.11 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 roles are permitted for this document: ZUA = Market Information Aggregator (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.

290 #### 3.4.3.12 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 (a location identification, an application identification, 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. ***This information is not used in the case of REMIT transmissions.***

291 #### 3.4.3.13 SHIPPER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is the subject of the contract.
Description	The Shipper concerned by the contract 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 Shipper'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 dependent.
Dependence requirements	This is only used when a document refers to a specific Shipper. ***This is not used in the case of a REMIT Transmission.***

292 #### 3.4.3.14 AUCTION_REFERENCE.IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	The identification of an auction.
Description	The auction reference provides the identification of an auction.
Size	The auction reference may not exceed 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This is only used if the document refers to a single auction. ***This is not used in the case of a REMIT Transmission.***

3.4.4 RULES GOVERNING THE TRANSACTION CLASS

The Transaction class provides all the information related to a specific transaction.

The transaction type attribute identifies the nature of the capacity being addressed.

The availability attribute identifies the conditions of availability (available firm or booked; interruptible firm or booked, etc).

The capacity Type attribute identifies whether or not the capacity is bundled or unbundled.

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300 Consequently the following dependency table is valid to satisfy the REMIT requirements:

	Available firm capacity	Contracted firm capacity	Available interruptible capacity	Contracted interruptible capacity	Planned interruptions to firm capacity	Unplanned interruptions to firm capacity	Planned interruption of interruptible capacity	Actual interruption of interruptible capacity
type	ZSE Primary capacity	ZSF Primary capacity booked	ZSE Primary capacity	ZSF Primary capacity booked	SZT Planned capacity interruption	ZSU Unplanned capacity interruption	ZST Planned capacity interruption	ZSU Unplanned capacity interruption
Availability	ZFB Available firm capacity ZEW published technical capacity	Z06 Firm (booked)	ZFA Available interruptible capacity ZFD Available total interruptible capacity	Z05 Interruptible (booked)	ZFB Available firm capacity	ZFB Available firm capacity	ZFA Available interruptible capacity	ZFA Available interruptible capacity

301

302 #### 3.4.4.1IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	The identification of a transaction product.
Description	This provides the identification of a given transaction.
Size	The identification may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

303 #### 3.4.4.2TYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of transaction.
Description	The type identifies the nature of transaction. The permitted codes are: ZSE = Primary capacity ZSF = Primary capacity booking ZSG = Capacity return ZSH = Marketed capacity return ZSI = Given back capacity return ZSJ = Secondary purchase ZSK = Secondary sale ZSL = Secondary lease ZSM = Capacity reservation ZSN = Capacity revocation ZSO = Capacity revocation sold ZSP = Capacity conversion ZSQ = Capacity expansion ZSR = Other types of capacity increase ZSS = Other types of capacity decrease ZST = Planned capacity interruption ZSU = Unplanned capacity interruption ZSV = Actual capacity interruption (Reference Edig@s TransactionType code list)
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

304 **3.4.4.3 AVAILABILITY.TYPE**

ACTION	DESCRIPTION
Definition of element	Identification of the type of availability for a quantity.
Description	The availability type indicates if a quantity is firm or interruptible. The following types are permitted: Z04 = Available total firm capacity Z05 = Interruptible (booked) Z06 = Firm (booked) ZEQ = Freely allocable capacity (FZK) ZER = Capacity with capacity allocation restrictions and capacity usage restrictions (bFZK) ZES = Restricted-allocable capacity (BZK) ZET = Dynamically allocable capacity (DZK) ZEU = Temperature related and restricted capacity (TAK) ZEW = published technical capacity ZFA = Available interruptible capacity ZFB = Available firm capacity ZFD = Available total interruptible capacity (Reference Edig@s AvailabilityType code list) Other types of availability are possible depending on local market rules.
Size	The maximum length of the type is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

305 **3.4.4.4 CAPACITYTYPE.CODE**

ACTION	DESCRIPTION
Definition of element	The identification of the type of bundling being offered.
Description	The type of bundling that is identified for the connection point. The following codes are permitted: ZEO = Bundled ZEP = Unbundled (Reference Edig@s CapacityTypeType code list)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

306 #### 3.4.4.5TRANSACTION_DATETIME.DATETIME

ACTION	DESCRIPTION
Definition of element	Date and time of the transaction.
Description	The date and time that the transaction had been made.
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.

307 #### 3.4.4.6LASTSTATUSCHANGE_DATETIME.DATETIME

ACTION	DESCRIPTION
Definition of element	Date and time that the status of the transaction changed.
Description	The date and time that the transaction status has changed.
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.

308 #### 3.4.4.7STATUS.CODE

ACTION	DESCRIPTION
Definition of element	The status of the transaction.
Description	This information provides the status of the transaction. The following status values are permitted: 05G = Definitive value 58G = Validated 62G = Active 63G = Cancelled 64G = Allocated 66G = Changed (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

3.4.5 RULES GOVERNING THE ACCOUNT CLASS

There may be zero to many accounts in a Market Monitoring Document.

Note: this information is not provided in the aggregated market information provided in the case of REMIT.

3.4.5.1 IDENTIFICATION– CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a Shipper account that is defined by a transmitting System Operator.
Description	The identification of a Shipper account that is defined by a transmitting 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 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.

3.4.5.2 ACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the Transmission System Operator that assigned the account identification.
Description	The Transmission System Operator that assigned an account identification 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 System Operator'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 dependent.
Dependence requirements	This identification is only used when it is necessary to ensure complete unambiguity of an account identification.

3.4.6 RULES GOVERNING THE CONNECTIONPOINT CLASS

A transaction may identify directly multiple connection points or a Shipper account that depends on the transaction. These two possibilities are however mutually exclusive.

Note: In the case of REMIT only connection point information is provided.

3.4.6.1 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.
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.

3.4.6.2 MEASUREUNIT.CODE

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to all the quantities in the document.
Description	The unit of measurement used for all the quantities expressed within a time series. The following are the codes recommended for use: KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d) KWH = Kilowatt hour (KWh) GWH= Gigawatt hour (GWh) HM1 = Million cubic meters per hour HM2 = Million cubic meters per day TQH = Thousand cubic meters per hour TQD = Thousand cubic meters per day MQ6 = Normal cubic meters per hour MQ7 = Normal cubic meters per day (Reference Edig@s UnitOfMeasure code list)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

321 #### 3.4.6.3 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 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.

322 ### 3.4.7 RULES GOVERNING THE PERIOD CLASS

323 There may be one to many periods for a given connection point.

324 #### 3.4.7.1 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 auctioned.
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.

325 #### 3.4.7.2 QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The quantity reported 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 unsigned values.
Size	The maximum length of this information is 17 numeric characters (decimal mark 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.

3.5 CONTEXTUAL MODEL FOR THE NOMINATION ASSIGNMENT DOCUMENT

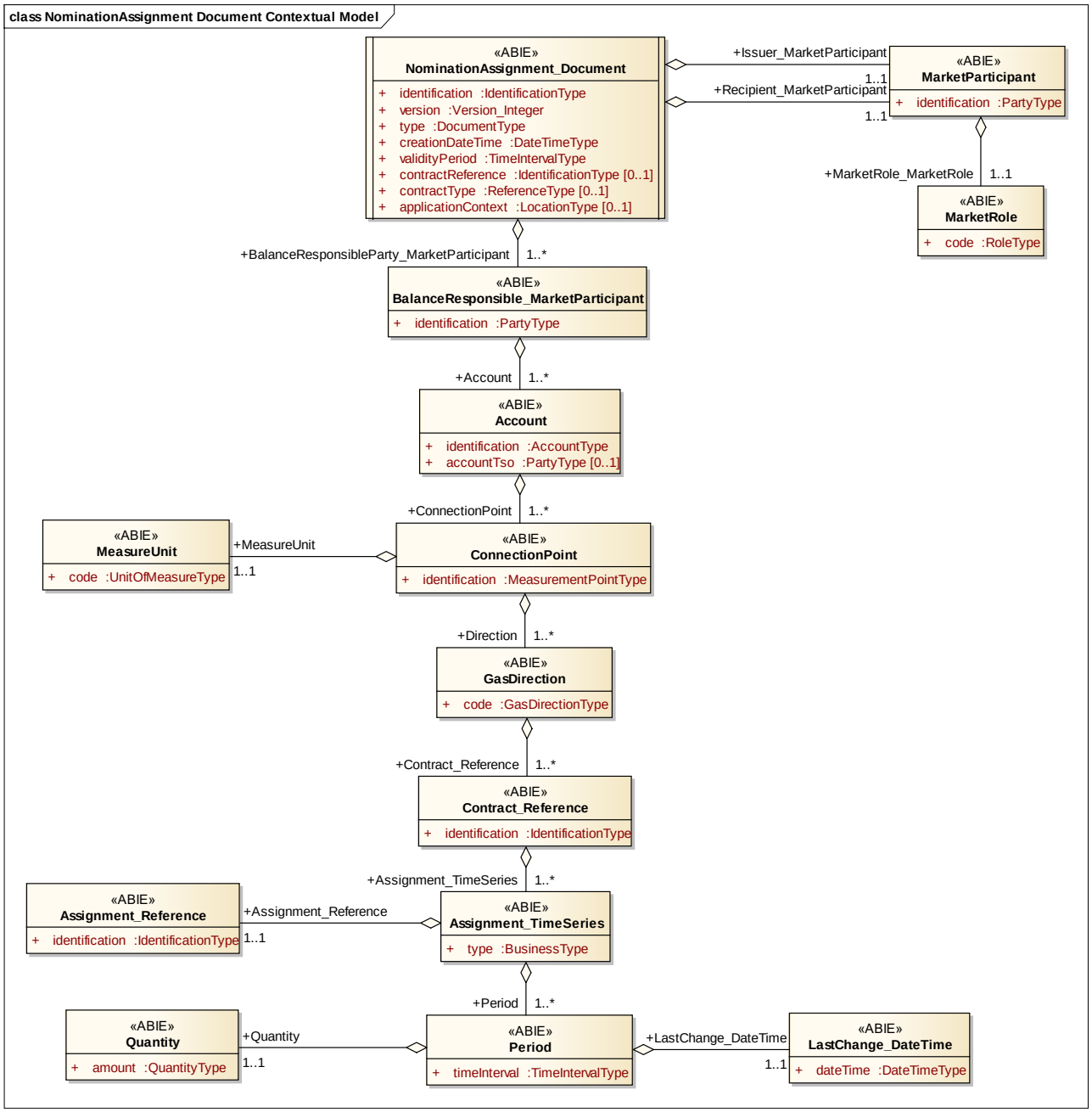
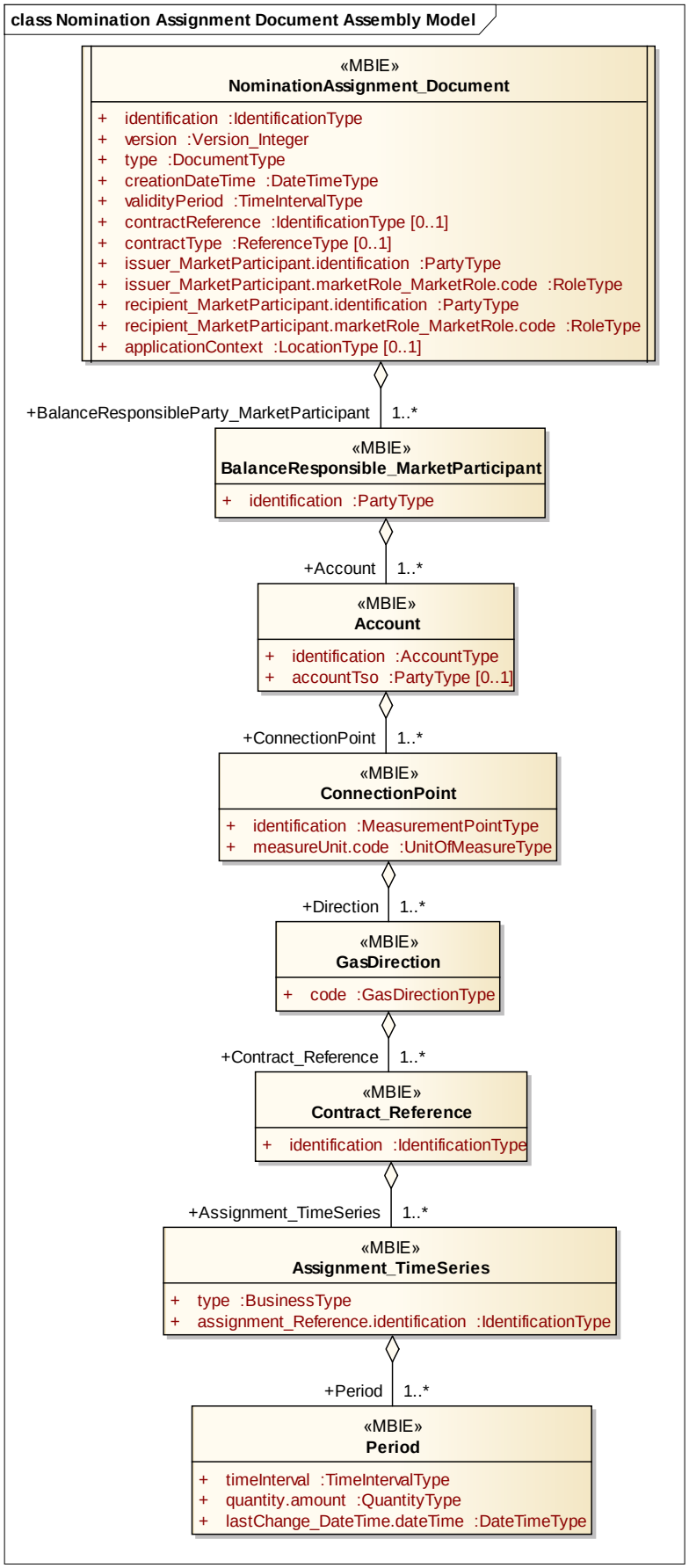


FIGURE 11: NOMINATION ASSIGNMENT DOCUMENT CONTEXTUAL MODEL

329 ### 3.5.1 INFORMATION MODEL STRUCTURE



330

331 **FIGURE 12: NOMINATION ASSIGNMENT DOCUMENT ASSEMBLY MODEL**

3.5.2 INFORMATION MODEL DESCRIPTION

A Nomination Assignment Document enables the transmission of nomination assignment information.

3.5.3 RULES GOVERNING THE NOMINATION ASSIGNMENT DOCUMENT CLASS

A document is uniquely identified by:

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

3.5.3.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Nomination Assignment Document.
Description	A Nomination Assignment 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 Nomination Assignment Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

3.5.3.2 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 Nomination Assignment 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.

341 #### 3.5.3.3 TYPE

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

342 #### 3.5.3.4 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.

343 #### 3.5.3.5 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.

344 #### 3.5.3.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	The identification of contract reference covering all the nomination assignments.
Description	The contract reference provides the contract identification relevant to the whole document.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is used depending on local market rules.

345 **3.5.3.7 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.

346 **3.5.3.8 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.

347 **3.5.3.9 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. Tthe following roles 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.

348 #### 3.5.3.10 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.

349 #### 3.5.3.11 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 roles are permitted: ZUA = Market Information Aggregator. (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.

350 #### 3.5.3.12 APPLICATION CONTEXT – 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 should indicate the code "305" if it is 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 laterial agreement between the parties.

3.5.4 RULES GOVERNING THE BALANCERESPONSIBLE_MARKETPARTICIPANT CLASS

There shall be one to many Balance Responsible parties defined within a Nomination Assignment Document. Each Balance Responsible Party is responsible for the management of a number of Shipper accounts that are being reported.

3.5.4.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the Balance Responsible Party who is responsible for the management of Shipper accounts.
Description	The Balance Responsible Party 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 an Balance Responsible Party'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.

3.5.5 RULES GOVERNING THE ACCOUNT CLASS

There may be one to many accounts managed by a Balance Responsible Party.

3.5.5.1 IDENTIFICATION– CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a Shipper account that is defined by a transmitting System Operator.
Description	The identification of a Shipper account that is defined by a transmitting 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 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.

3.5.5.2 ACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the Transmission System Operator that assigned the account identification.
Description	The Transmission System Operator that assigned an account identification 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 System Operator'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 dependent.
Dependence requirements	This identification is only used when it is necessary to ensure complete unambiguity of an account identification.

3.5.6 RULES GOVERNING THE CONNECTIONPOINT CLASS

There may be one to many connection points for a Shipper account..

3.5.6.1 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 measurement point 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.

3.5.6.2 MEASUREUNIT.CODE

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

3.5.7 RULES GOVERNING THE GAS DIRECTION CLASS

There must be one to many gas direction classes for a connection point.

3.5.7.1 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 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.

3.5.8 RULES GOVERNING THE CONTRACT REFERENCE CLASS

There shall be one to many contract references for a connection point.

3.5.8.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	The identification of contract reference of the nomination assignment for a Shipper account.
Description	The contract reference provides the contract identification relevant to a given Shipper account nomination assignment.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

3.5.9 RULES GOVERNING THE AASSIGNMENT_TIMESERIES CLASS

There shall be one to many assignments for a contract reference.

3.5.9.1 TYPE

ACTION	DESCRIPTION
Definition of element	The identification of the type of product.
Description	The type of product that is being auctioned. The following codes are permitted: ZEO = Inclusion ZEP = Exclusion. (Reference Edig@s BusinessType code list)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

3.5.9.2 ASSIGNMENT_REFERENCE.IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	The identification of a specific nomination assignment.
Description	The assignment reference provides the identification of a specific nomination assignment.
Size	The assignment reference may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

3.5.10 RULES GOVERNING THE PERIOD CLASS

There may be one to many periods for a given assignment.

3.5.10.1 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 auctioned.
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.

377 **3.5.10.2 QUANTITY.AMOUNT**

ACTION	DESCRIPTION
Definition of element	The quantity assigned.
Description	This information defines the quantity that has been assigned 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 unsigned values.
Size	The maximum length of this information is 17 numeric characters (decimal mark 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.

378 **3.5.10.3 LASTCHANGE_DATETIME.DATETIME**

ACTION	DESCRIPTION
Definition of element	Date and time that the period information has changed.
Description	The date and time that the period information has changed.
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.

3.6 CONTEXTUAL MODEL FOR THE CAPACITY AND NOMINATION MONITORING DOCUMENT

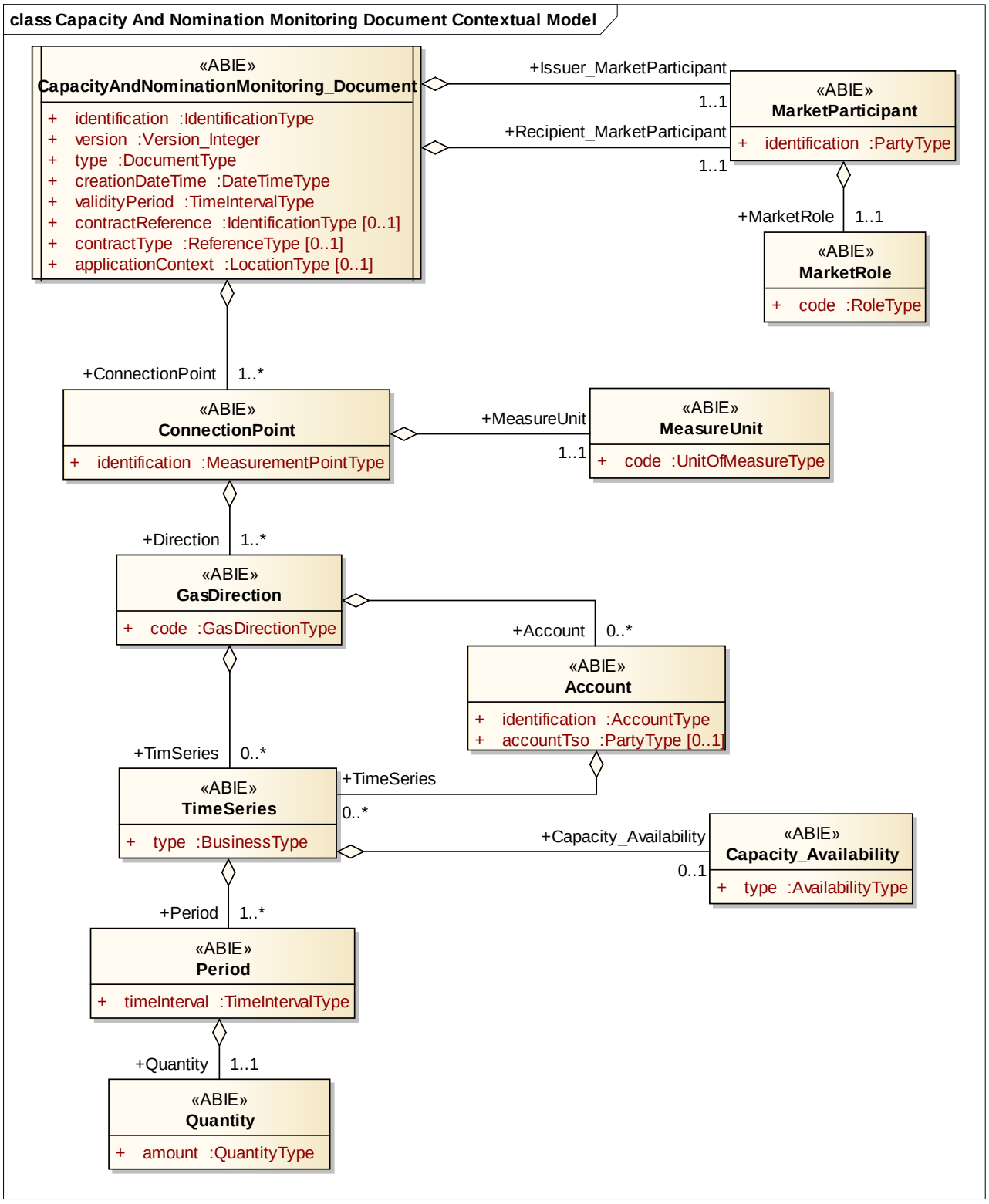


FIGURE 13: CAPACITY AND NOMINATION MONITORING DOCUMENT CONTEXTUAL MODEL

3.6.1 INFORMATION MODEL STRUCTURE

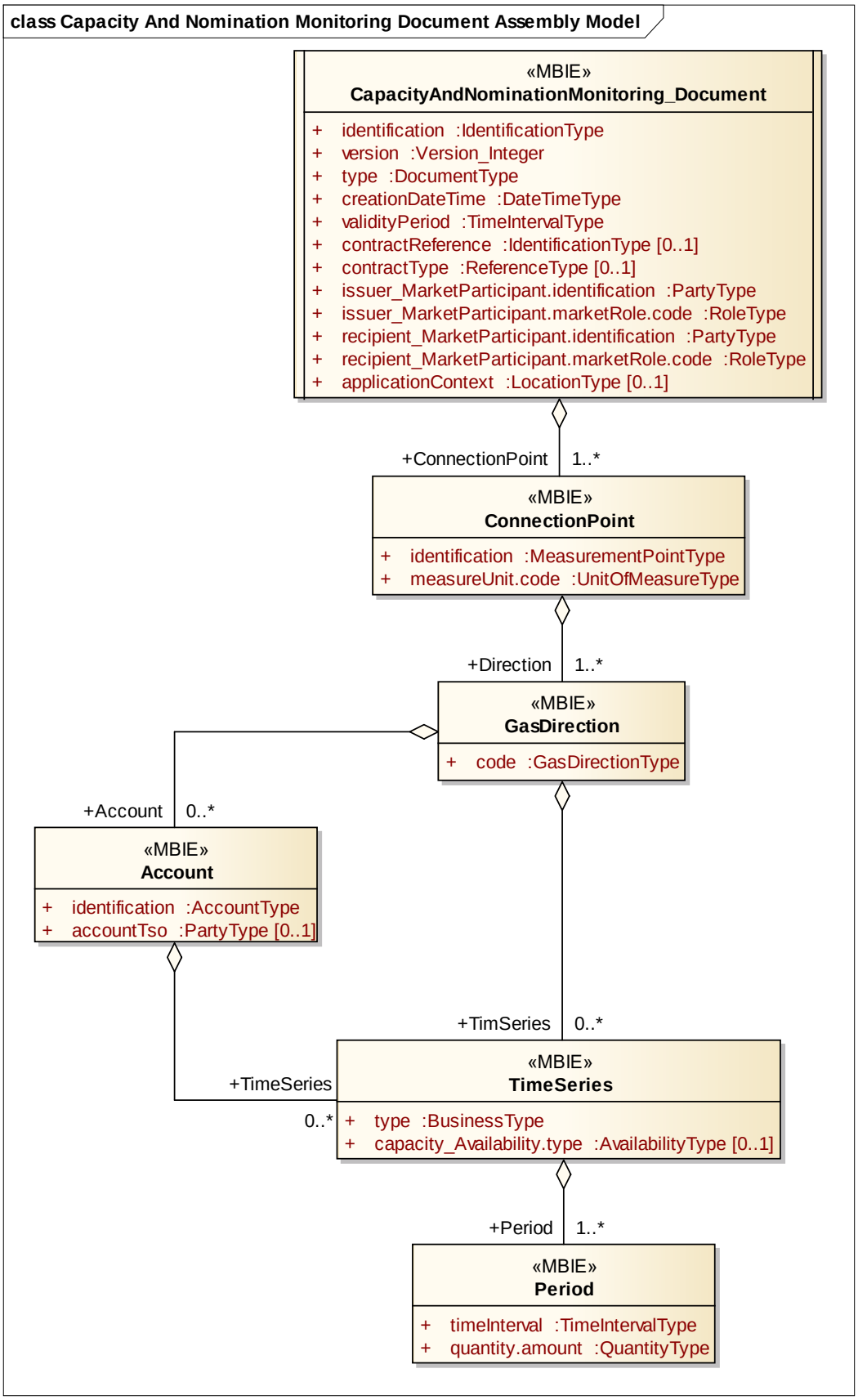


FIGURE 14: CAPACITY AND NOMINATION MONITORING DOCUMENT ASSEMBLY MODEL

3.6.2 INFORMATION MODEL DESCRIPTION

A Capacity And Nomination Monitoring Document is used in three different contexts to provide the following information:

1. Capacity allocations;
2. Nomination and allocation information;
3. Physical flow information.

3.6.3 RULES GOVERNING THE CAPACITY AND NOMINATION MONITORING DOCUMENT CLASS

A document is uniquely identified by:

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

3.6.3.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Capacity and Nomination Monitoring Document.
Description	A Capacity and Nomination Monitoring 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 Capacity and Nomination Monitoring Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

3.6.3.2 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 Capacity and Nomination Monitoring 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.

401 #### 3.6.3.3 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of the Capacity and Nomination Monitoring Document that is being sent. The following type is permitted: ANI = Capacity allocation information ANJ = Nomination and allocation information ANK = physical flow information. (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

402 #### 3.6.3.4 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.

403 #### 3.6.3.5 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.

404 #### 3.6.3.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	The identification of contract reference covering the whole document.
Description	The contract reference provides the contract identification relevant to the whole document.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is used depending on local market rules.

405 #### 3.6.3.7 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.

406 #### 3.6.3.8 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.

407 #### 3.6.3.9 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. Tthe following roles 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.

408 #### 3.6.3.10 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.

409 #### 3.6.3.11 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 roles are permitted: ZUA = Market Information Aggregator. (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.

410 #### 3.6.3.12 APPLICATION CONTEXT – 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 should indicate the code "305" if it is 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 laterial agreement between the parties.

411 ### 3.6.4 RULES GOVERNING THE CONNECTION POINT CLASS

412 There shall be one to many connection point for Capacity and Nomination Monitoring Document.

413 #### 3.6.4.1 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 being reported. 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 measurement point 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.

414 #### 3.6.4.2 MEASUREUNIT.CODE

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to all the quantities in the document.
Description	The unit of measurement used for all the quantities expressed within a time series. 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 UnitOfMeasure code list)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

415 ### 3.6.5 RULES GOVERNING THE GAS DIRECTION CLASS

416 There must be one to many gas direction classes for a connection point. In the case of physical flow
417 information (ANK) Shipper account information shall not be provided.

418 #### 3.6.5.1 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 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.

3.6.6 RULES GOVERNING THE ACCOUNT CLASS

This class shall only be used in the case of the provision of capacity allocation information as well as nomination and allocation information. It shall not be used in the case of physical flow information.

3.6.6.1 IDENTIFICATION– CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a Shipper account that is defined by a transmitting System Operator.
Description	The identification of a Shipper account that is defined by a transmitting 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 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.

3.6.6.2 ACCOUNTTSO – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the Transmission System Operator that assigned the account identification.
Description	The Transmission System Operator that assigned an account identification 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 System Operator'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 dependent.
Dependence requirements	This identification is only used when it is necessary to ensure complete unambiguity of an account identification.

3.6.7 RULES GOVERNING THE TIMESERIES CLASS

There shall be one to many time series for a Shipper account or gas direction. However both dependencies are mutually exclusive.

3.6.7.1 TYPE

ACTION	DESCRIPTION
Definition of element	The identification of the type of product.
Description	The type of product that is being auctioned. The following codes are permitted: ZEY = Initial nomination ZEZ = Provisional allocation ZFA = Physical flow ZFC = Last (re) nomination. (Reference Edig@s BusinessType code list)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The type information is mutually exclusive with the capacity availability type and is only permitted with nomination and allocation information (ANJ) or physical flow information (ANK).

428 #### 3.6.7.2 CAPACITY_AVAILABILITY.TYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of capacity.
Description	The type of capacity that is being reported. The following types are permitted: Z05 = Interruptible (booked) Z06 = Firm (booked) Z07 = Conditional ZEQ = Freely allocable capacity (FZK) ZER = Capacity with capacity allocation restrictions and capacity usage restrictions (bFZK) ZES = Restricted-allocable capacity (BZK) ZET = Dynamically allocable capacity (DZK) ZEU = Temperature related and restricted capacity (TAK) ZEW = published technical capacity ZEX = Servitude gas. (Reference Edig@s AvailabilityType code list) Other types of availability are possible depending on local market rules.
Size	The maximum length of the type is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The capacity availability information is mutually exclusive with the type information and is only permitted with capacity allocation information (ANI).

429 ### 3.6.8 RULES GOVERNING THE PERIOD CLASS

430 There may be one to many periods for a given time series.

431 #### 3.6.8.1 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 auctioned.
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.

3.6.8.2QUANTITY.AMOUNT

ACTION	DESCRIPTION
Definition of element	The quantity assigned.
Description	This information defines the quantity that has been assigned 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 unsigned values.
Size	The maximum length of this information is 17 numeric characters (decimal mark 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.

4 DOCUMENT CHANGE LOG

Package	Version	Date	Description
5.0	1	2012-07-04	release for approval
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. Introduction of market monitoring process
5.1	3	2017-06-06	Correction of the contract market monitoring document to bring it into line with the REMIT structure.