

REMIT and Transparency

Model Documentation



The European message format for the gas market

Version 6.1

Document Version: 4

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1 Model Detail

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2 Document Schema Overview

The table below contains an overview of the different message types described in this document, and the corresponding current schema version for each type.

Message Type	Message Name	Schema Version
TRANSPB	Transparency publication document	1
CANMON	Capacity and nomination monitoring document	1
NOMASS	Nomination assignment document	1
MKTMON	Contract market monitoring document	1
UMMDOC	Urgent market message document	1

3 Document usage decision table

The following decision table provides a summary of the message requirements depending on the type of message:

3.1 Transparency Publication Document Decision Table

Transparency Publication Document	Day ahead forecast	preliminary gas day results	Definitive gas day results	Actual physical flows	Resource object data
identification	Mandatory.				
version	Mandatory.				
documentCode	AL3 = Day ahead forecast. (Refer to Edig@s DocumentCodeTypeCodeList for the list of valid codes).	AL4 = Preliminary gas day results. (Refer to Edig@s DocumentCodeTypeCodeList for the list of valid codes).	AL5 = Definitive gas day results. (Refer to Edig@s DocumentCodeTypeCodeList for the list of valid codes).	AL6 Actual physical flows. (Refer to Edig@s DocumentCodeTypeCodeList for the list of valid codes).	AL7 Resource object data.(Refer to Edig@s DocumentCodeTypeCodeList for the list of valid codes).
creationDateTime	Mandatory.				
validityPeriod	Mandatory.				
issuer_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code).				
issuer_MarketParticipant.marketRole.roleCode	ZSO = System Operator. (Refer to Edig@s RoleCodeTypeCodeList for the list of valid codes).				
recipient_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code).				
recipient_MarketParticipant.marketRole.roleCode	ZUA = Market Informaton Aggregator ZSO = System Operator. (Refer to Edig@s RoleCodeTypeCodeList for the list of valid codes).				
ResourceObject.identification	Not used	Not used	Not used	Mandatory; codingScheme = 305 (EIC Resource Object W code)	Mandatory; codingScheme = 305 (EIC Resource Object W code)

Transparency Publication Document	Day ahead forecast	preliminary gas day results	Definitive gas day results	Actual physical flows	Resource object data
ResourceObject.alternate	Not used	Not used	Not used	Mandatory; codingScheme = 305 (EIC Resource Object W code)	Mandatory; codingScheme = 305 (EIC Resource Object W code)
ConnectionPoint.identification	Mandatory; codingScheme = 305 (EIC Measurement Point Z or Y code) or ZSO.	Mandatory; codingScheme = 305 (EIC Measurement Point Z or Y code) or ZSO.	Mandatory; codingScheme = 305 (EIC Measurement Point Z or Y code) or ZSO.	Not used	Not used
ConnectionPoint.measureType.measurementCode	Z25 = Transmission system interface Z26 = Market area interface Z27 = Storage system interface Z28 = Production facility interface Z29 = LNG interface Z30 = Distribution system interface. (Refer to Edig@s MeasurementCodeType CodeList for the list of valid codes).	Z25 = Transmission system interface Z26 = Market area interface Z27 = Storage system interface Z28 = Production facility interface Z29 = LNG interface Z30 = Distribution system interface. (Refer to Edig@s MeasurementCodeType CodeList for the list of valid codes).	Z25 = Transmission system interface Z26 = Market area interface Z27 = Storage system interface Z28 = Production facility interface Z29 = LNG interface Z30 = Distribution system interface. (Refer to Edig@s MeasurementCodeType CodeList for the list of valid codes).	Not used	Not used.
TimeSeries.businessCode	Z02 = Nominated flow. (Refer to Edig@s BusinessCodeTypeCode List for the list of valid codes).	ZEY = Initial nominated results. (Refer to Edig@s BusinessCodeTypeCode List for the list of valid codes).	Z12 = Commercial flow results. (Refer to Edig@s BusinessCodeTypeCode List for the list of valid codes).	ZFA = Physical flow. (Refer to Edig@s BusinessCodeTypeCode List for the list of valid codes).	ZFA = Physical flow Z15 = Interrupted capacity. (Refer to Edig@s BusinessCodeTypeCode List for the list of valid codes).

Transparency Publication Document	Day ahead forecast	preliminary gas day results	Definitive gas day results	Actual physical flows	Resource object data
TimeSeries.capacity_Availability.availabilityCode	Z05 = Interruptible (booked) Z06 = Firm (booked) Z07 = Conditional (booked) Z13 = Current storage quantity. ZEW = published technical capacity ZEZ = Gas in kind. ZFA = Available interruptible capacity ZFB = Available firm capacity ZFC = Makeup. (Refer to Edig@s AvailabilityCodeTypeCodeList for the list of valid codes).				
Period.timeInterval	Mandatory.				
Period.direction.gasDirectionCode	Z02 = Input Z03 = Output (Refer to Edig@s GasDirectionCodeTypeCodeList for the list of valid codes).	Z02 = Input Z03 = Output (Refer to Edig@s GasDirectionCodeTypeCodeList for the list of valid codes).	Z02 = Input Z03 = Output (Refer to Edig@s GasDirectionCodeTypeCodeList for the list of valid codes).	Z02 = Input Z03 = Output (Refer to Edig@s GasDirectionCodeTypeCodeList for the list of valid codes).	Not used
Period.volume_Quantity.quantityCode	Not used	Not used	Not used	Mandatory	Mandatory
Period.quantity.amount	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Period.measureUnit	KWH = Kilowatt hour KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt hour per day (kWh/d) MTQ = Cubic meter GWH = Gigawatt hour (Refer to Edig@s UnitOfMeasureCodeTypeCodeList for the list of valid codes).				

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3.2 Capacity and Nomination Monitoring Decision table

CapacityAndNominationMonitoring	Capacity allocation	Nomination and allocation	Physical flow
identification	Mandatory.		
version	Mandatory.		
documentCode	ANI = Capacity allocation information. (Refer to Edig@s DocumentCodeTypeCodeList for the list of valid codes).	ANJ = Nomination and allocation information. (Refer to Edig@s DocumentCodeTypeCodeList for the list of valid codes).	ANK = physical flow information. (Refer to Edig@s DocumentCodeTypeCodeList for the list of valid codes).
creationDateYime	Mandatory.		
validityPeriod	Mandatory.		
contractReference	May be used.		
contractType	May be used.		
issuer_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X codes)		
issuer_MarketParticipant.marketRole.roleCode	ZSO = System Operator. (Refer to Edig@s RoleCodeTypeCodeList for the list of valid codes).		
Recipient_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X codes)		
Recipient_MarketParticipant.marketRole.roleCode	ZUA = Market Information Aggregator. (Refer to Edig@s RoleCodeTypeCodeList for the list of valid codes).		
ConnectionPoint.identification	Mandatory; codingScheme = 305 (EIC Measurement Point Z or Y code) or ZSO.		
ConnectionPoint.measureUnit.unitOfMeasureCode	KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d). (Refer to Edig@s UnitOfMeasureCodeTypeCodeList for the list of valid codes).		
GasDirection.gasDirectionCode	Z02 = Input Z03 = Output. (Refer to Edig@s	Z02 = Input Z03 = Output. (Refer to Edig@s	Not used

CapacityAndNominationMonitoring	Capacity allocation	Nomination and allocation	Physical flow
	GasDirectionCodeTypeCodeList for the list of valid codes).	GasDirectionCodeTypeCodeList for the list of valid codes).	
Account.identification	Mandatory; codingScheme = 305 (EIC Measurement Point Z or Y code) or ZSO.	Mandatory; codingScheme = 305 (EIC Measurement Point Z or Y code) or ZSO.	Not used
Account.accountTso	May be used if account identification ambiguous; codingScheme = 305 (EIC Party X code).	May be used if account identification ambiguous; codingScheme = 305 (EIC Party X code).	Not used
TimeSeries.businessCode	Not used	ZEY = Initial nomination ZEZ = Provisional allocation ZFC = Last (re) nomination. (Refer to Edig@s BusinessCodeTypeCodeList for the list of valid codes).	ZFA = Physical flow (Refer to Edig@s BusinessCodeTypeCodeList for the list of valid codes).
TimeSeries.capacity_Availability.availabilityCode	Z05 = Interruptible (booked) Z06 = Firm (booked) Z07 = Conditional (booked) Z13 = Current storage quantity. ZEW = published technical capacity ZEZ = Gas in kind. ZFA = Available interruptible capacity ZFB = Available firm capacity ZFC = Makeup. (Refer to Edig@s AvailabilityCodeTypeCodeList for the list of valid codes).	Not used	Not used
Period.timeInterval	Mandatory	Mandatory	Mandatory
quantity.amount	Mandatory	Mandatory	Mandatory

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3.3 Nomination assignment decision table

NominationAssignment	Nomination Assignment
identification	Mandatory
version	Mandatory
documentCode	ANH = Nomination assignment document. (Refer to Edig@s DocumentCodeTypeCodeList for the list of valid codes).
creationDateYime	Mandatory
validityPeriod	Mandatory
issuer_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code).
issuer_MarketParticipant.marketRole.roleCode	ZSO = System Operator. (Refer to Edig@s RoleCodeTypeCodeList for the list of valid codes).
Recipient_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code).
Recipient_MarketParticipant.marketRole.roleCode	ZUA = Market Information Aggregator. (Refer to Edig@s RoleCodeTypeCodeList for the list of valid codes).
BalanceResponsibleParty_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code).
Account.identification	Mandatory; codingScheme = 305 (EIC Account Y code) or ZSO.
Account.accountTso	Used only if account identification is ambiguous. codingScheme = 305; (EIC Party X code).
ConnectionPoint.identification	Mandatory; codingScheme = 305 (EIC Measurement Point Z or Y code) or ZSO.
ConnectionPoint.measureUnit.unitOfMeasureCode	KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d) KWH = Kilowatt hour (KWh) GWH= Gigawatt hour (GWh). (Refer to Edig@s UnitOfMeasureCodeTypeCodeList for the list of valid codes).
GasDirection.gasDirectionCode	Z02 = Input Z03 = Output (Refer to Edig@s GasDirectionCodeTypeCodeList for the list of valid codes).

NominationAssignment	Nomination Assignment
Contract_Reference.identification	Mandatory
Assignment_TimeSeries.businessCode	ZEO = Inclusion ZEP = Exclusion. (Refer to Edig@s BusinessCodeTypeCodeList for the list of valid codes).
Assignment_TimeSeries.assignment_Reference.identification	Mandatory
Period.timeInterval	Mandatory
Period.quantity.amount	Mandatory
Period.lastChange_DateTime.dateTime	Mandatory

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3.4 Contract Market Monitoring Document Decision table

Contract Market Monitoring Document	Contract Market Monitoring Document
identification	Mandatory
version	Mandatory
documentCode	ANG = Contract Market Monitoring Document. (Refer to Edig@s DocumentCodeTypeCodeList for the list of valid codes).
creationDateYime	Mandatory
validityPeriod	Mandatory
issuer_MarketParticipant.identification	Mandatory; codingScheme = 305(EIC Party X code).
issuer_MarketParticipant.marketRole.roleCode	ZUA = Market Information Aggregator ZSO = System Operator (not used in the case of REMIT). (Refer to Edig@s RoleCodeTypeCodeList for the list of valid codes).
Recipient_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code).
Recipient_MarketParticipant.marketRole.roleCode	ZUA = Market Information Aggregator. (Refer to Edig@s RoleCodeTypeCodeList for the list of valid codes).
BalanceResponsibleParty_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code).
auction_Reference.identification	Mandatory
Transaction.identification	Mandatory

Contract Market Monitoring Document	Contract Market Monitoring Document
Transaction.transactionCode	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. (Refer to Edig@s TransactionCodeTypeCodeList for the list of valid codes).
Transaction.availability.availabilityCode	Z05 = Interruptible (booked) Z06 = Firm (booked) Z07 = Conditional (booked) Z13 = Current storage quantity. ZEW = published technical capacity ZEZ = Gas in kind. ZFA = Available interruptible capacity ZFB = Available firm capacity ZFC = Makeup. (Refer to Edig@s AvailabilityCodeTypeCodeList for the list of valid codes).

Contract Market Monitoring Document	Contract Market Monitoring Document
Transaction.bundled_Indication.indicatorCode	01G = Yes 02G = No (Refer to Edig@s IndicatorCodeTypeCodeList for the list of valid codes).
Transaction.transaction_DateTime.dateTime	Mandatory
Transaction.lastStatusChange_DateTime.dateTime	Mandatory
Transaction.status.statusCode	05G = Definitive value 58G = Validated 62G = Active 63G = Cancelled 64G = Allocated 66G = Changed (Refer to Edig@s StatusCodeTypeCodeList for the list of valid codes).
Account.identification	Mandatory; codingScheme = 305 (EIC Account Y code) or ZSO.
Account.accountTso	Used only if account identification is ambiguous; codingScheme = 305 (EIC Party X code).
ConnectionPoint.identification	Mandatory; codingScheme = 305 (EIC Measurement Point Z or Y code) or ZSO.
ConnectionPoint.measure!unit.unitOfMeasureCode	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 (Refer to Edig@s UnitOfMeasureCodeTypeCodeList for the list of valid codes).

Contract Market Monitoring Document	Contract Market Monitoring Document
ConnectionPoint.direction.gasDirectionCode	Z02 = Input Z03 = Output (Refer to Edig@s GasDirectionCodeTypeCodeList for the list of valid codes).
Period.timeInterval	Mandatory
Period.quantity.amount	Mandatory

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3.5 Urgent Market Message Document Decision table

Urgent MarketMessage Document	Unavailabilities of gas facilities	Other market information
identification	Mandatory.	
version	Mandatory.	
documetCode	AOF = Unavailability of gas facility (Refer to Edig@s DocumentCodeTypeCodeList for the list of valid codes).	ANX = Other market information (Refer to Edig@s DocumentCodeTypeCodeList for the list of valid codes).
issuer_MarketParticipant.identifcation	Mandatory; codingScheme = 305 (EIC Party X code).	
issuer_MarketParticipant.marketRole.roleCode	(Refer to Edig@s RoleCodeTypeCodeList for the list of valid codes).	
recipient_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code).	
recipient_MarketParticipant.marketRole.roleCode	(Refer to Edig@s RoleCodeTypeCodeList for the list of valid codes).	
creationDateTime	Mandatory.	
event_Status.statusCode	62G = Active 69G = Inactive 70G = Dismissed (Refer to Edig@s StatusCodeTypeCodeList for the list of valid codes).	
measureUnit.unitOfUnMeasureCode	KW1 = KWh/h KW2 = KWh/d HM2 = mcm/d GWH = GWh GM1 = GWh/h GM2 = GWh/d (Refer to Edig@s UnitOfMeasureCodeTypeCodeList for the list of valid codes).	Not used.
startStop_Period.timeInterval	Mandatory.	
available_Quantity.amount	Mandatory	Not used
unavailable_Quantity.amount	Mandatory.	Not used.
tachnicalCapacity.Quantity.amount	Mandatory.	Not used
directon.gasDirectionCode	Z02 = Input.	Not used

Urgent MarketMessage Document	Unavailabilities of gas facilities	Other market information
	Z03 = Output. (Refer to Edig@s GasDirectionCodeTypeCodeList for the list of valid codes).	
unavailability_Reason.reasonCode	22G = Unplanned availability 25G = Planned availability (Refer to Edig@s ReasonCodeTypeCodeList for the list of valid codes).	Not used
unavailability_Reason.complementaryText	Mandatory.	Not used.
remarks_ComplementaryText.text	Mandatory.	
eventType_ResourceObject.resourceCodeType	A01 = Offshore pipeline unavailability A02 = Transmission system unavailability A03 = Storage unavailability A04 = Injection unavailability A05 = Withdrawal unavailability A06 = Gas treatment plant unavailability A07 = Regasification plant unavailability A08 = Compressor station unavailability A09 = Gas production field unavailability A10 = Import contract curtailment A11 = Consumption unavailability A12 = Other unavailability. (Refer to Edig@s ResourceCodeTypeCodeList for the list of valid codes).	Not used.
eventType_ResourceObject.identification	Mandatory.	Not used
affected_Asset.asset_Name.text	Mandatory.	Not used.
affected_Asset.identification	Mandatory.	Not used.
MarketParticipant.identification	Mandatory.	
MarketParticipant.marketParticipant_Name.text	Mandatory.	
BalancingZone_MarketArea.identification	Mandatory;	Not used.

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4 05-RemitAndTransparency

4.1 REMIT Process

IMPORTANT NOTE.

The REMIT Process will not be migrated to Edig@s version 6 until the planned changes to the REMIT electronic documents are approved for implementation.

At that time the evolution to the REMIT document set will be simultaneously migrated to Edig@s version 6.

Consequently the REMIT document set shall always be that of Edig@s version 5.1.

The electronic document contents of which are:

1. Gas capacity Allocations Document.
2. Nomination Monitoring Document.
3. Contract Market Monitoring Document.

4.2.1.2 Transparency Publication Sequence

1. The Balance Responsible Party's 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. The Transmission System Operator assembles the LNG and storage information. The resulting information is then provided to the Market Information Aggregator.
4. The Transmission System Operator aggregates the nomination information and then provides it to the Market Information Aggregator.
5. The results of the day are determined by the Transmission System Operator and they are provided to the Market Information Aggregator.
6. The actual physical flows are determined by the Transmission System Operator and they are provided to the Market Information Aggregator.
7. The definitive results of the day are determined by the Transmission System Operator and they are provided to the Market Information Aggregator.

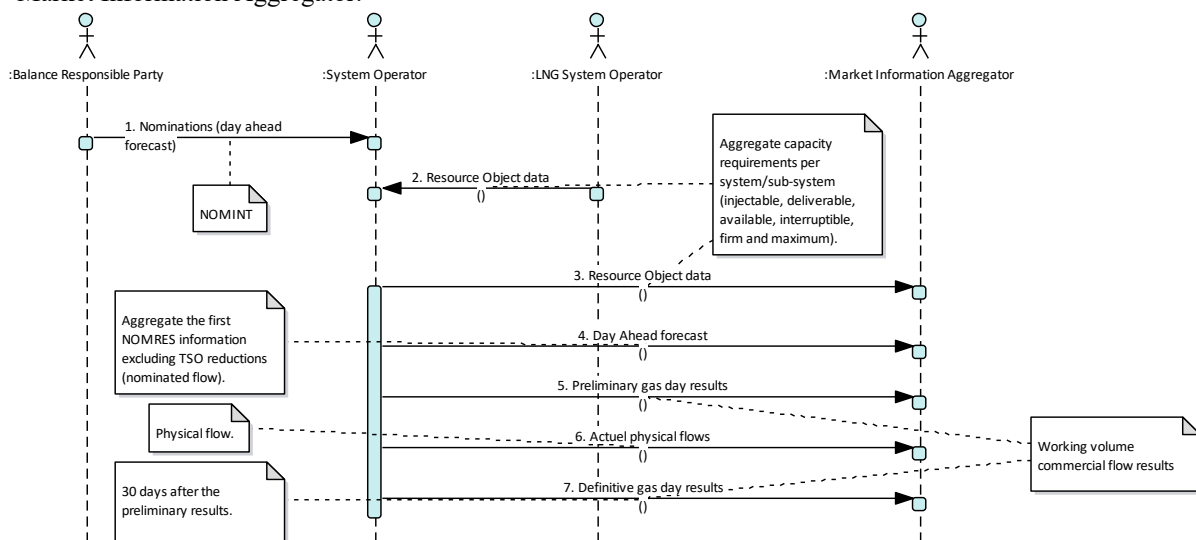


Figure: 2 Transparency Publication Sequence

4.2.1.4 Market monitoring use case

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.

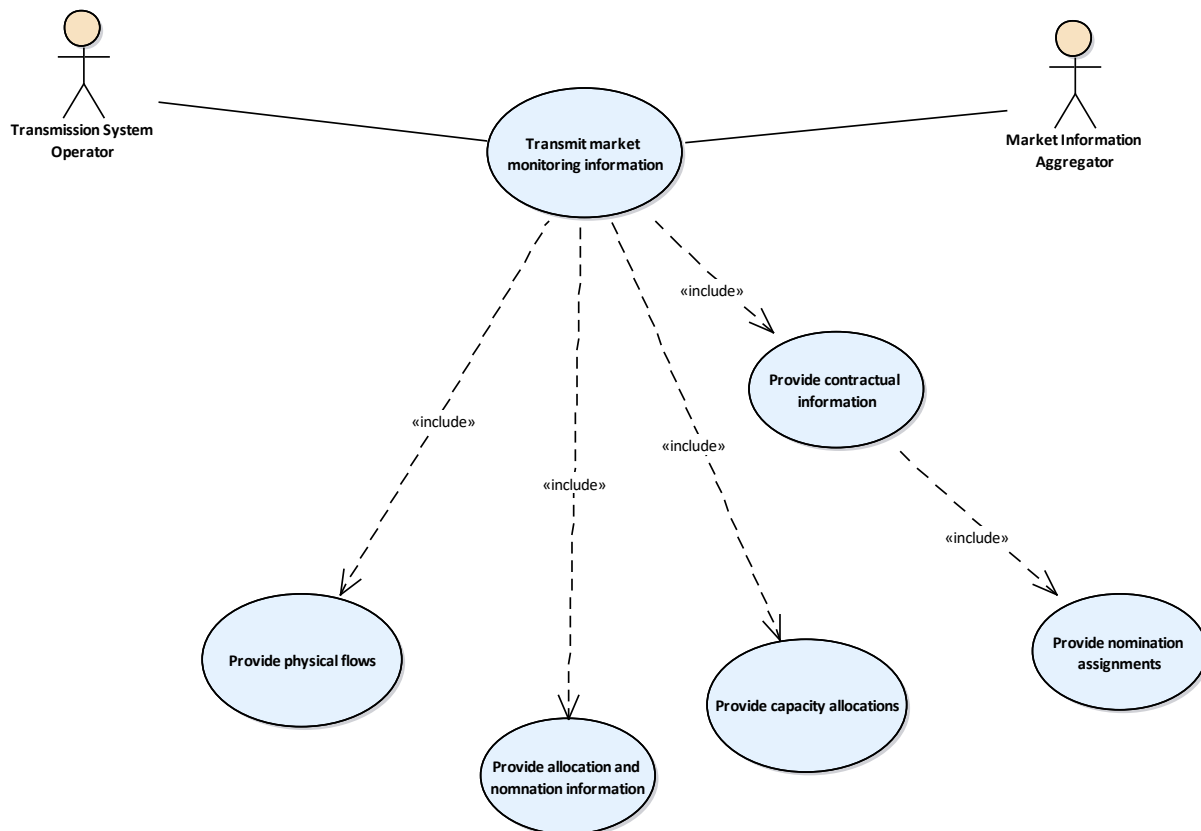


Figure: 4 **Market monitoring use case**

4.2.1.5 Market monitoring sequence

The sequence diagram 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.

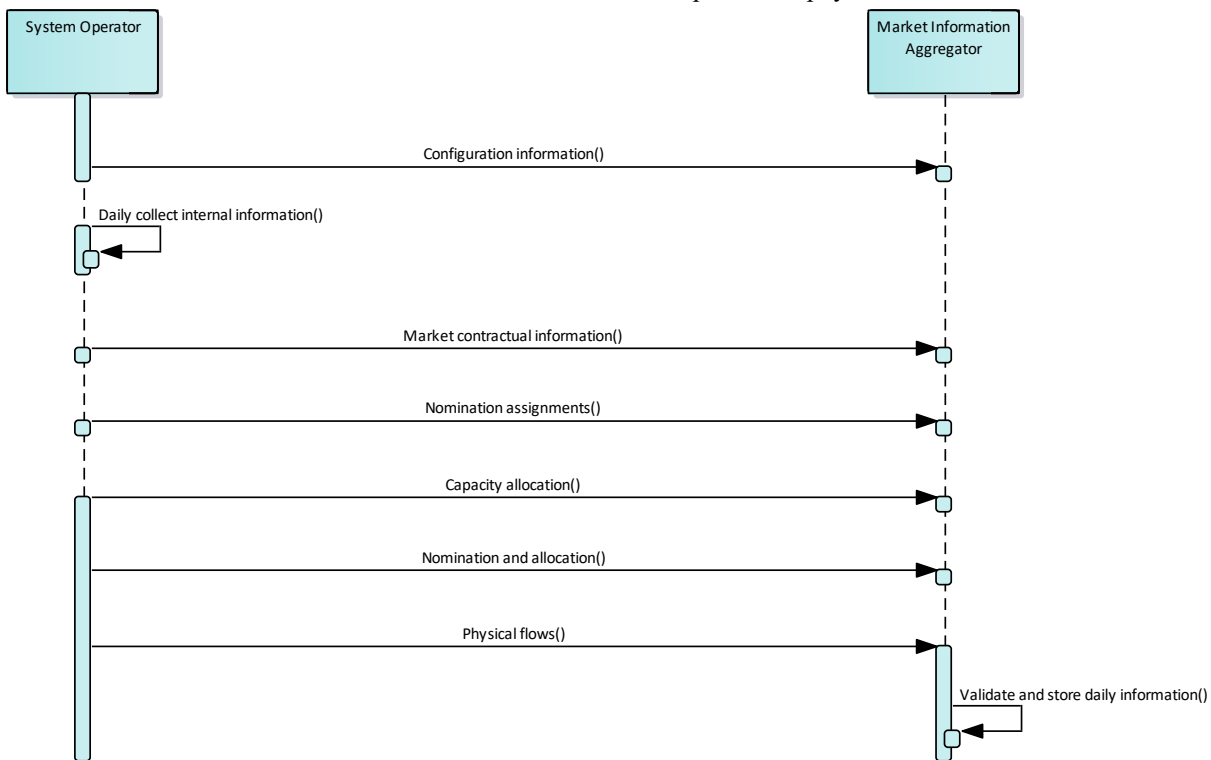


Figure: 5 Market monitoring sequence

4.2.1.6 Market monitoring workflow

The workflow of the provision of market monitoring information is decomposed into two distinct phases. The first phase basically covers 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 processed 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.

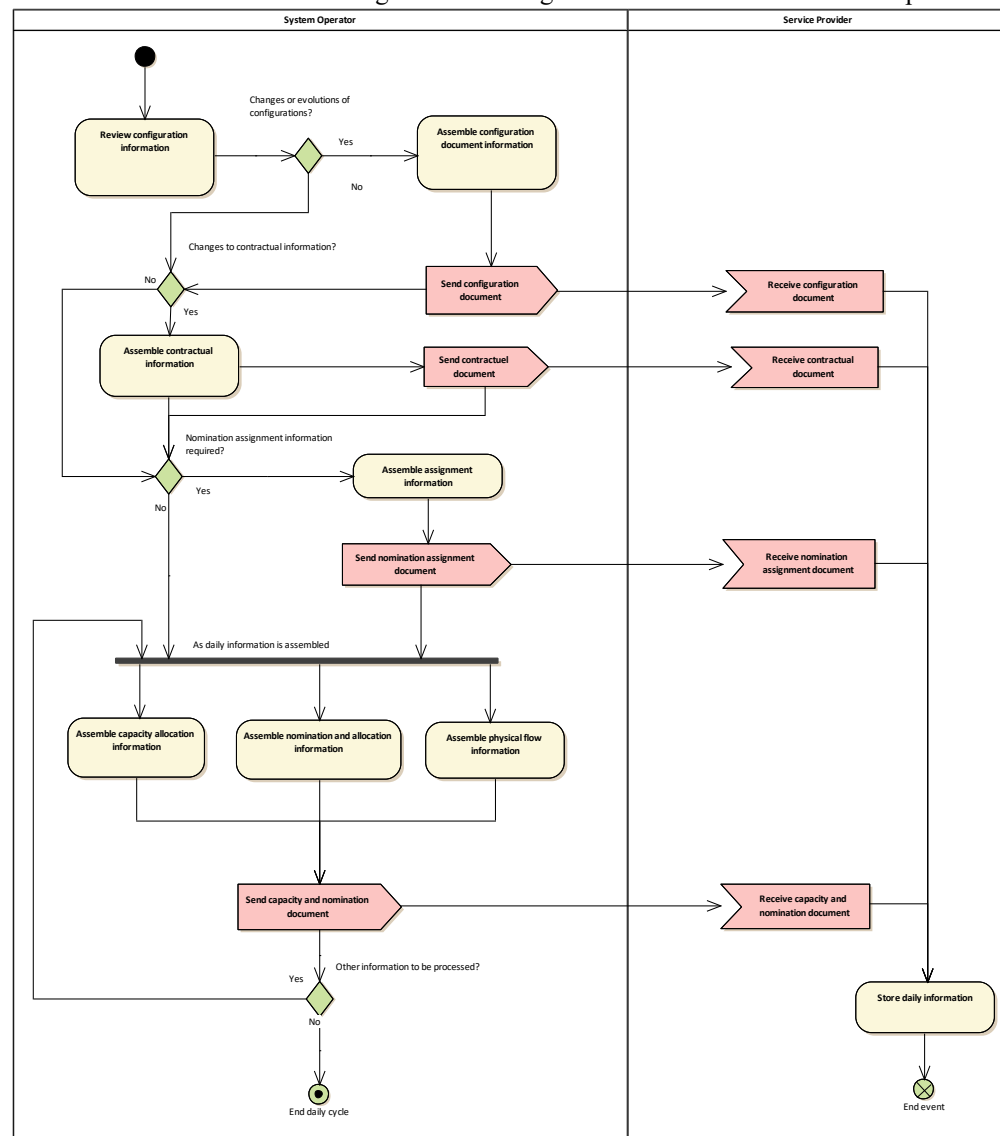


Figure: 6 Market monitoring workflow

4.2.1.7 UMM - Sequence diagram

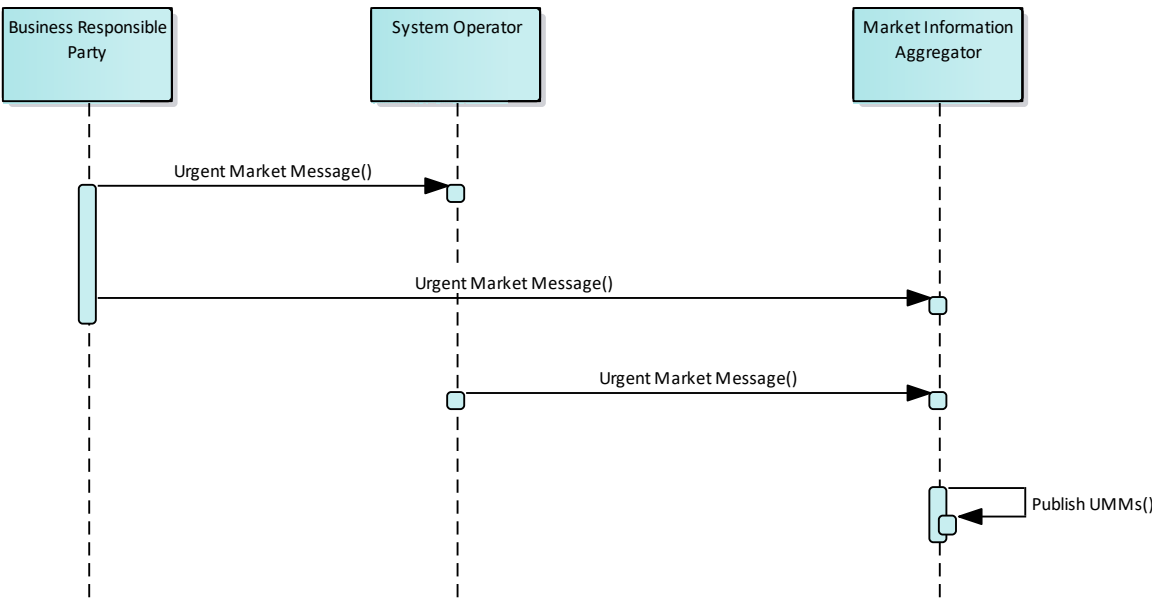


Figure: 7 Sequence diagram

4.2.2 Transparency Publication Document (TRANSPB)

4.2.2.1 Transparency Publication Document Contextual Model

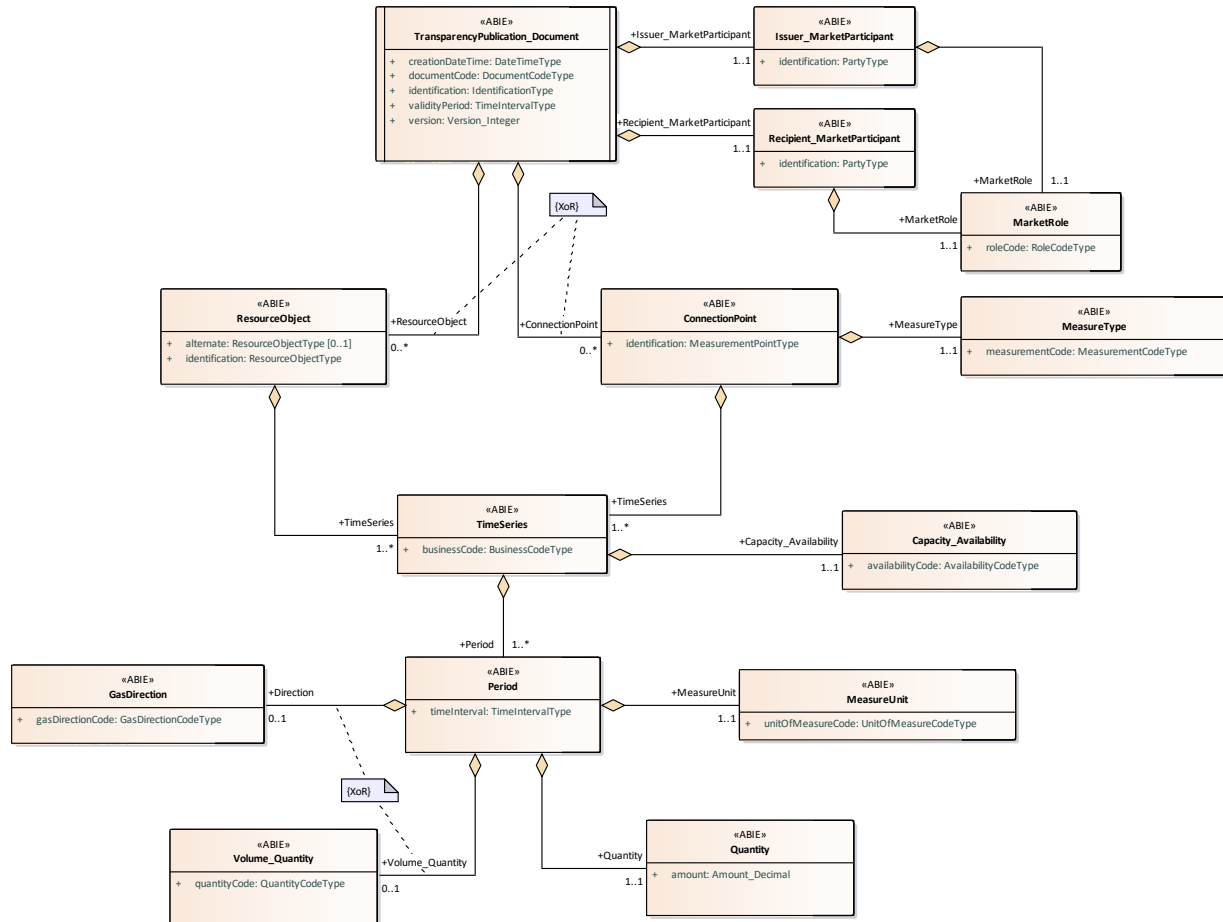


Figure: 8 Transparency Document Contextual Model

4.2.2.2 Transparency Publication Document Assembly Model

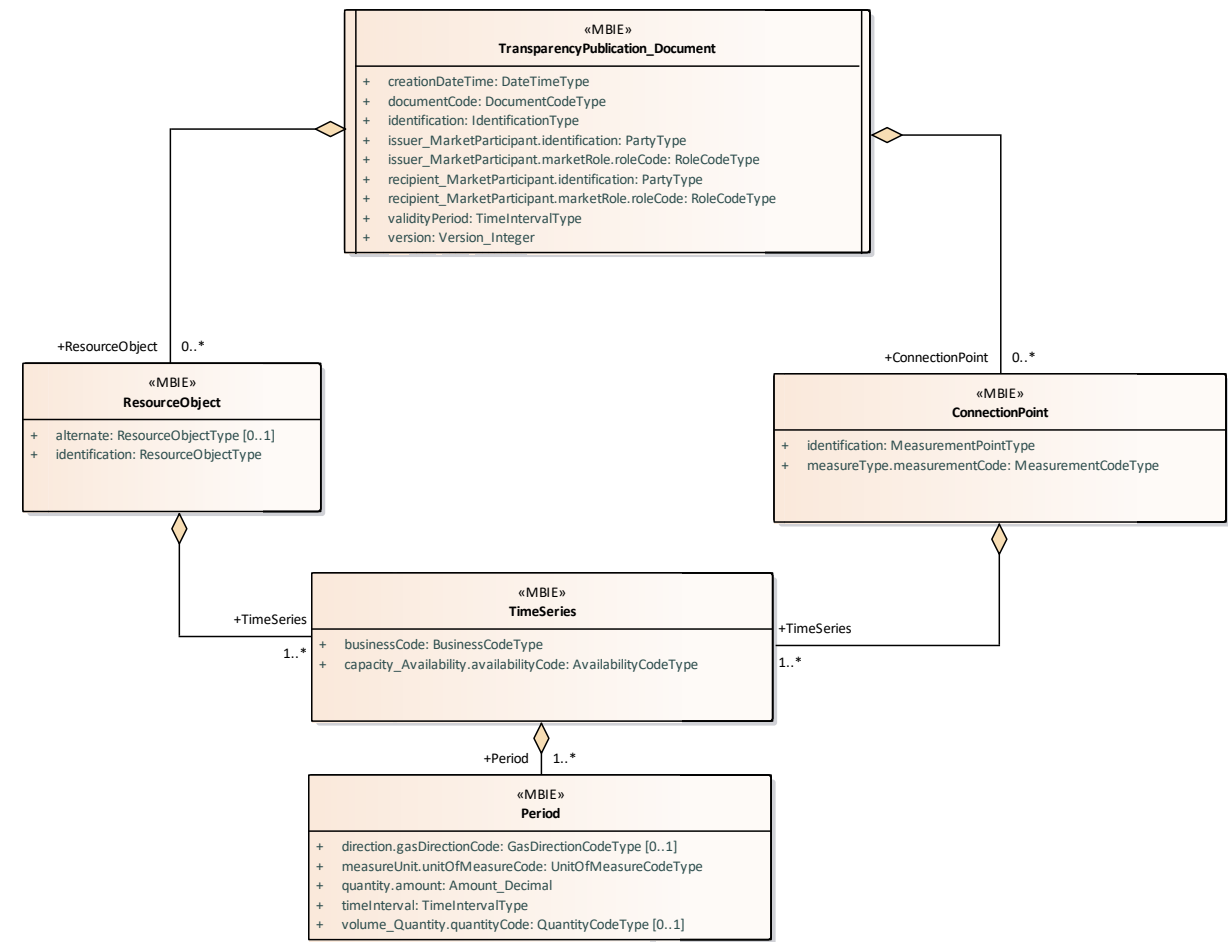


Figure: 9 Transparency Publication Document Assembly Model

4.2.2.2.1 TransparencyPublication_Document

This class provides the basic information needed to describe most electronic documents.

4.2.2.2.1.1 Attributes

Attribute	Description	Multiplicity
creationDateTime	Date and time of the creation of the current document expressed in UTC.	
documentCode	Coded representation of the type of the electronic document.	
identification	A unique identification of a document that is assigned by the issuer. This identifies the document being reported.	
issuer_MarketParticipant.identification	The identification of the party participating in the market. --- The Issuer of the document.	
issuer_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market. --- The Issuer of the document. --- The role of the Issuer of the Document	
recipient_MarketParticipant.identification	The identification of the party participating in the market. --- The Recipient of the document.	
recipient_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market. --- The Recipient of the document. --- The role of the Recipient of the document.	
validityPeriod	The start and end date and time of the period of validity covered in the document.	
version	Version of the document being sent. 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.	

4.2.2.2.2 ConnectionPoint

An interconnection point, whether it is physical or virtual, between two or more Member States as well as interconnections between adjacent entry-exit-systems within the same Member States.

4.2.2.2.2.1 Attributes

Attribute	Description	Multiplicity
identification	The identification of a connection point.	
measureType.measurementCode	A code identifying a type of measurement device.	

4.2.2.2.3 TimeSeries

A set of time-ordered quantities being exchanged in relation to a product.

4.2.2.2.3.1 Attributes

Attribute	Description	Multiplicity
businessCode	The business type of a time series.	
capacity_Availability.availabilityCode	A code identifying the nature of the availability of a product (interruptible, firm, etc).	

4.2.2.2.4 Period

The period that the dependent information is for.

4.2.2.2.4.1 Attributes

Attribute	Description	Multiplicity
direction.gasDirectionCode	A code identifying the direction of a gas flow. --- This attribute is used only in the case where connection point information is being described.	[0..1]
measureUnit.unitOfMeasureCode	The coded representation of a unit of measure using the UN/CEFACT Recommendation 20 common codes.	
quantity.amount	The amount of a quantity.	
timeInterval	The start and end date and time for the period. The time is expressed in UTC.	
volume_Quantity.quantityCode	A code defining the type of a quantity. --- This is only used in the case where resource object information is being described.	[0..1]

4.2.2.2.5 ResourceObject

The identification of a resource object.

4.2.2.2.5.1 Attributes

Attribute	Description	Multiplicity
alternate	The identification of a resource object that can be used as an alternate to the main resource object.	[0..1]
identification	The identification of a resource object.	

4.2.3 Capacity And Nomination Monitoring Document (CANMON)

4.2.3.1 Capacity And Nomination Monitoring Document Contextual Model

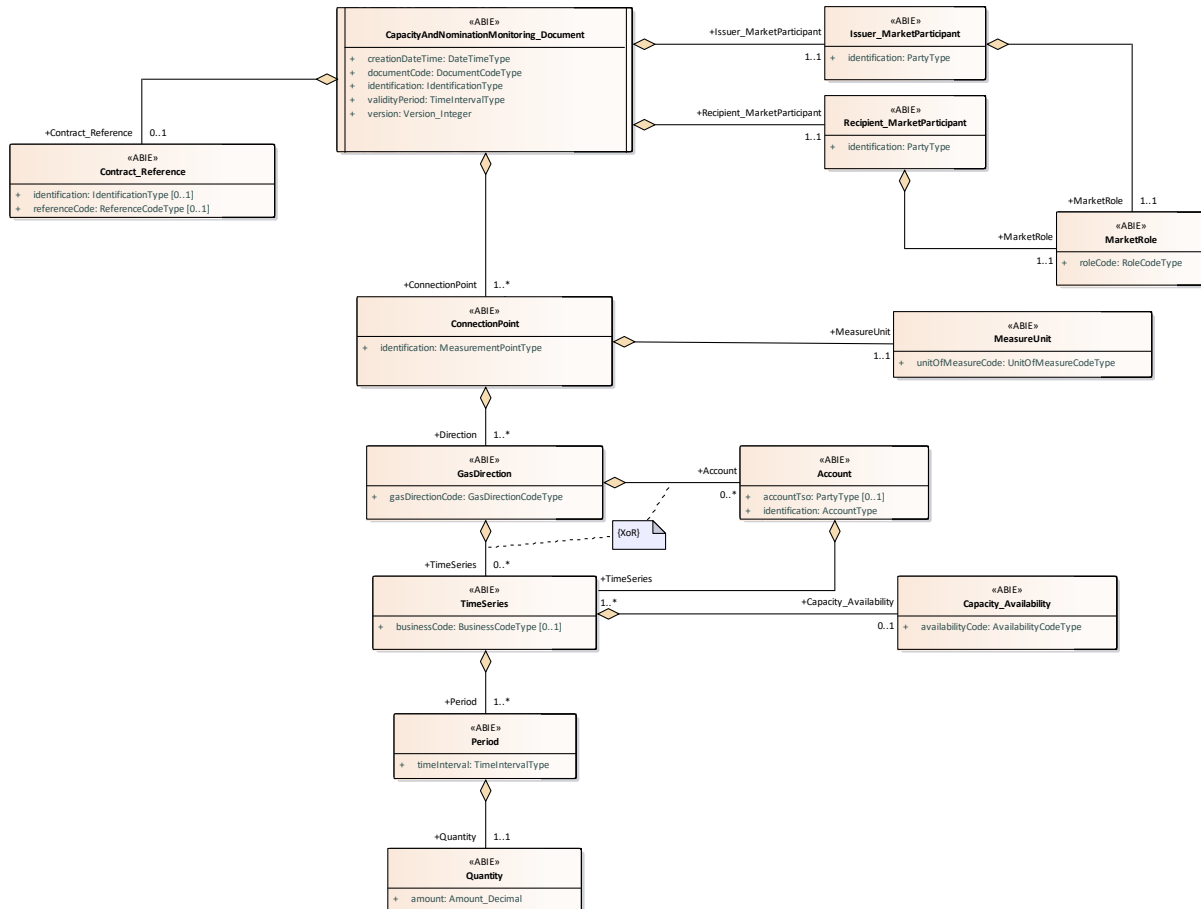


Figure: 10 Capacity And Nomination Monitoring Document Contextual Model

4.2.3.2 Capacity And Nomination Monitoring Document Assembly Model

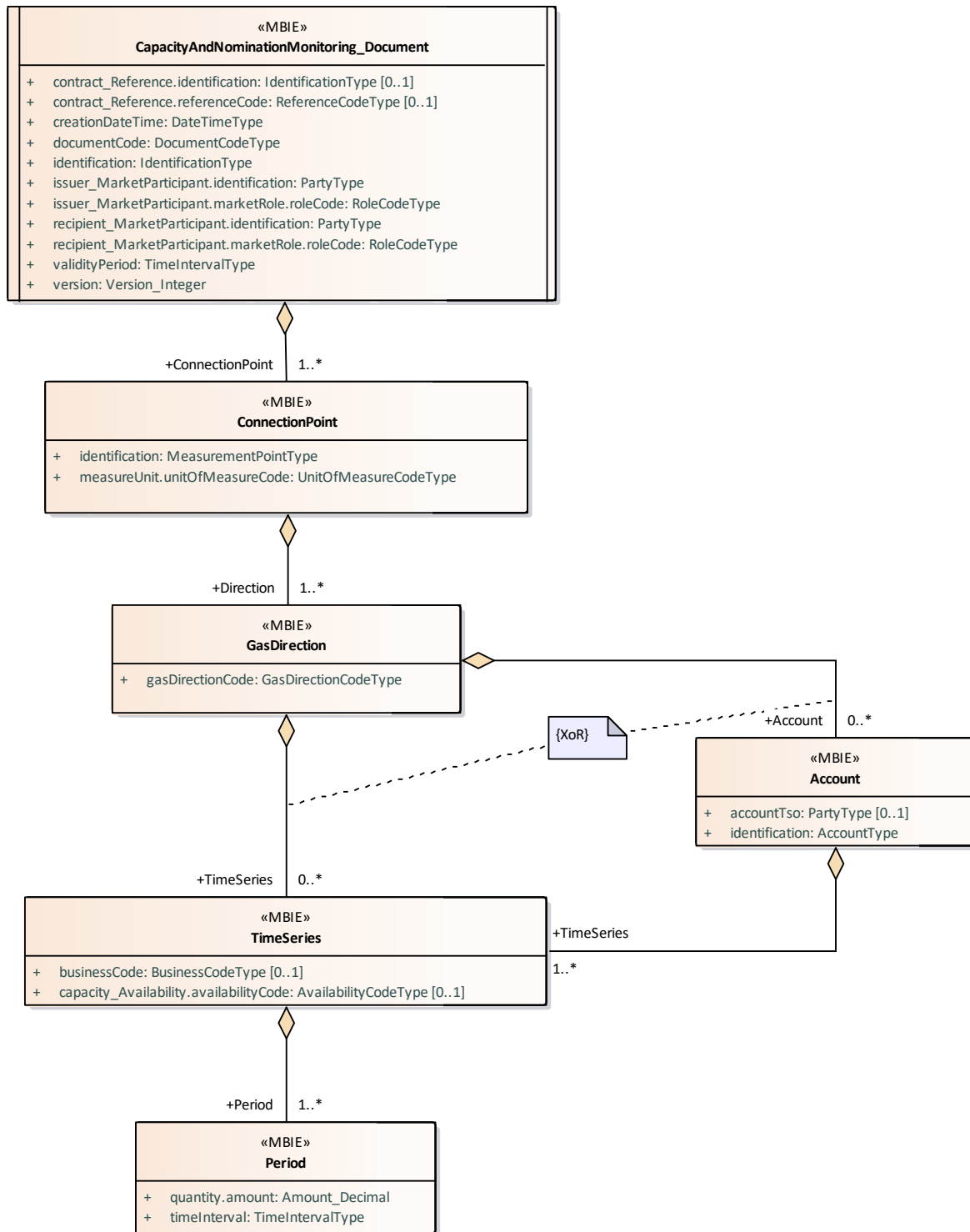


Figure: 11 Capacity And Nomination Monitoring Document Assembly Model

4.2.3.2.1 _Document

This class provides the basic information needed to describe most electronic documents.

4.2.3.2.1.1 Attributes

Attribute	Description	Multiplicity
contract_Reference.identification	The coded identification of a reference.	[0..1]
contract_Reference.referenceCode	Identification of a type of reference. (Refer to the Edig@s ReferenceCodeTypeCodeList for the list of valid codes).	[0..1]
creationDateTime	Date and time of the creation of the current document expressed in UTC.	
documentCode	Coded representation of the type of the electronic document.	
identification	A unique identification of a document that is assigned by the issuer. This identifies the document being reported.	
issuer_MarketParticipant.identification	The identification of the party participating in the market.	
issuer_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market.	
recipient_MarketParticipant.identification	The identification of the party participating in the market.	
recipient_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market.	
validityPeriod	The start and end date and time of the period of validity covered in the document.	
version	Version of the document being sent. 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.	

4.2.3.2.2 ConnectionPoint

An interconnection point, whether it is physical or virtual, between two or more Member States as well as interconnections between adjacent entry-exit-systems within the same Member States.

4.2.3.2.2.1 Attributes

Attribute	Description	Multiplicity
identification	The identification of a connection point.	
measureUnit.unitOfMeasureCode	The coded representation of a unit of measure using the UN/CEFACT Recommendation 20 common codes.	

4.2.3.2.3 GasDirection

The direction of a gas flow.

4.2.3.2.3.1 Attributes

Attribute	Description	Multiplicity
gasDirectionCode	A code identifying the direction of a gas flow.	

4.2.3.2.4 Account

An account used in a transaction.

4.2.3.2.4.1 Attributes

Attribute	Description	Multiplicity
accountTso	The identification of the TSO responsible for an account identification.	[0..1]
identification	The identification of an account.	

4.2.3.2.5 TimeSeries

A set of time-ordered quantities being exchanged in relation to a product.

The business Code is only provided with nomination and allocation information or with physical flow information.

4.2.3.2.5.1 Attributes

Attribute	Description	Multiplicity
businessCode	The business type of a time series.	[0..1]
capacity_Availability.availabilityCode	A code identifying the nature of the availability of a product (interruptible, firm, etc). --- The availability of the capacity which is only permitted with capacity allocation information	[0..1]

4.2.3.2.6 Period

The period that the dependent information is for.

4.2.3.2.6.1 Attributes

Attribute	Description	Multiplicity
quantity.amount	The amount of a quantity.	
timeInterval	The start and end date and time for the period. The time is expressed in UTC.	

4.2.4 Nomination Assignment Document (NOMASS)

4.2.4.1 Nomination Assignment Contextual Model

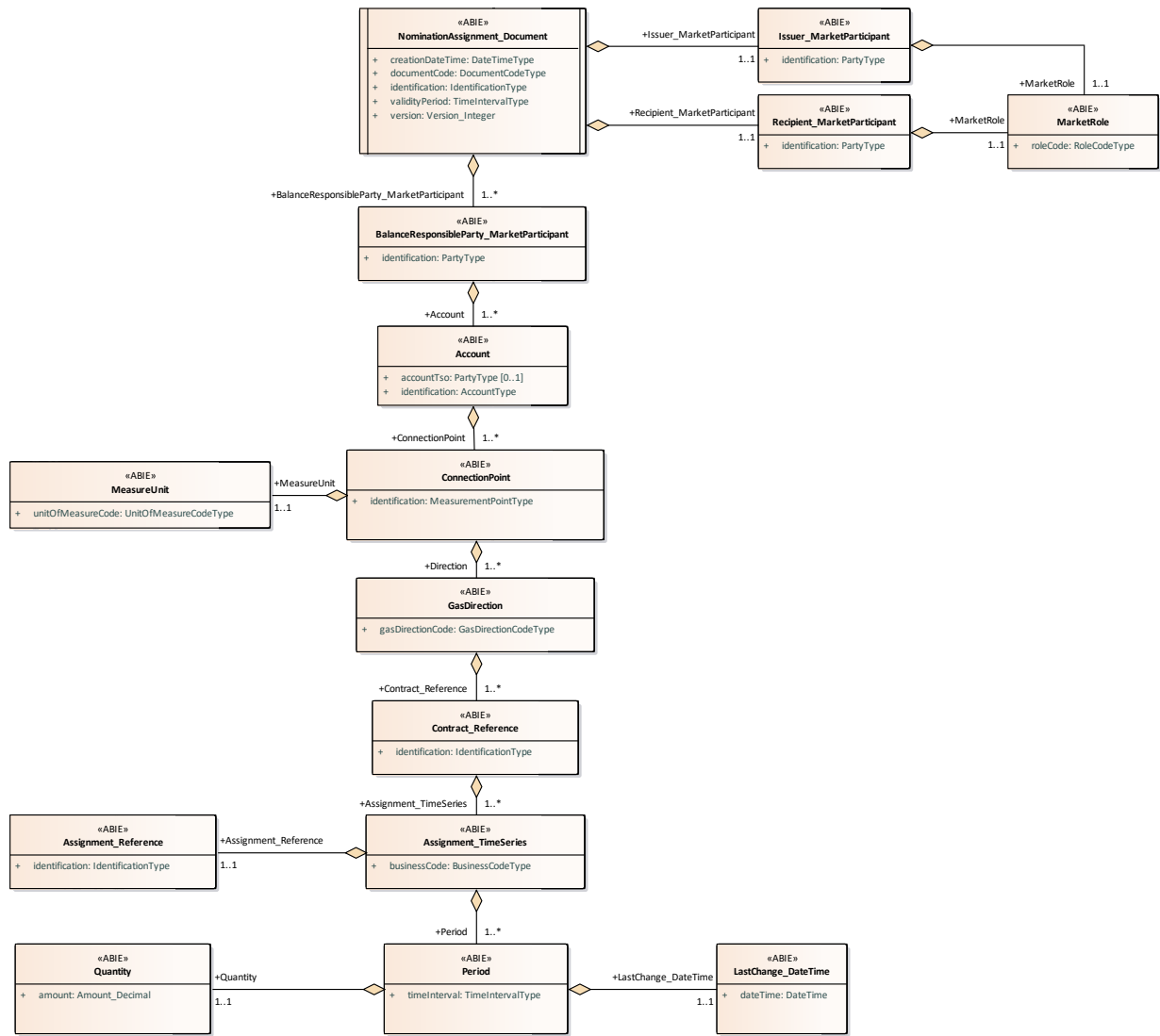


Figure: 12 Nomination Assignment Contextual Model

4.2.4.2 Nomination Assignment Assembly Model

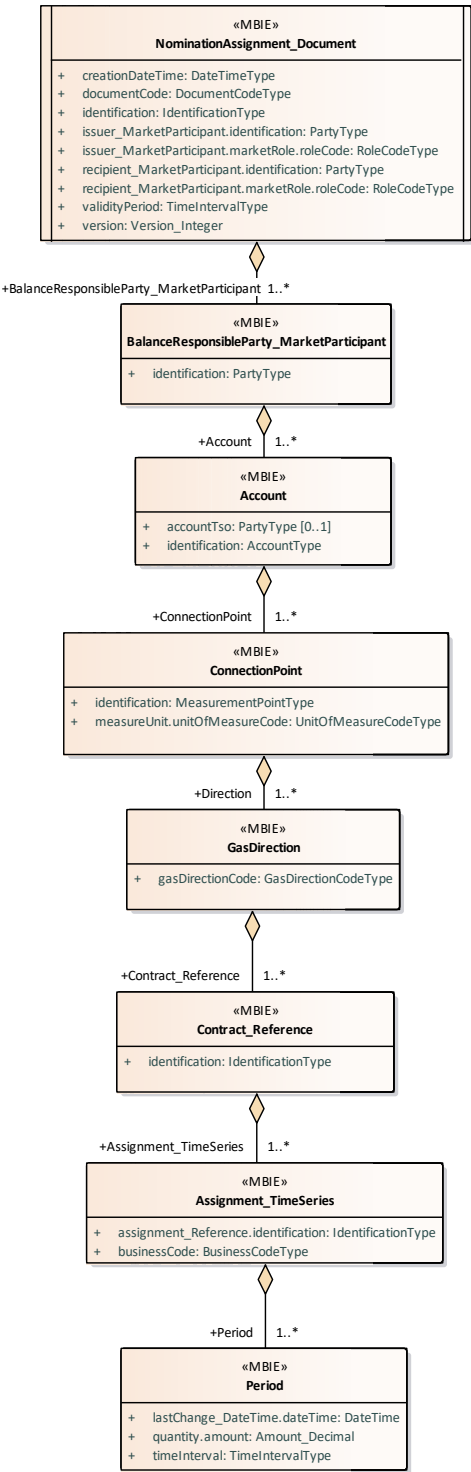


Figure: 13 **Nomination Assignment Assembly Model**

4.2.4.2.1 NominationAssignment_Document

This class provides the basic information needed to describe most electronic documents.

4.2.4.2.1.1 Attributes

Attribute	Description	Multiplicity
creationDateTime	Date and time of the creation of the current document expressed in UTC.	
documentCode	Coded representation of the type of the electronic document.	
identification	A unique identification of a document that is assigned by the issuer. This identifies the document being reported.	
issuer_MarketParticipant.identification	The identification of the party participating in the market. --- The issuer of the document.	
issuer_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market. --- The issuer of the document. --- The role of the issuer.	
recipient_MarketParticipant.identification	The identification of the party participating in the market. --- The recipient of the document.	
recipient_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market. --- The recipient of the document. --- The role of the recipient.	
validityPeriod	The start and end date and time of the period of validity covered in the document.	
version	Version of the document being sent. 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.	

4.2.4.2.2 BalanceResponsibleParty_MarketParticipant

A party participating in the market.

4.2.4.2.2.1 Attributes

Attribute	Description	Multiplicity
identification	The identification of the party participating in the market.	

4.2.4.2.3 Account

An account used in a transaction.

4.2.4.2.3.1 Attributes

Attribute	Description	Multiplicity
accountTso	The identification of the TSO responsible for an account identification.	[0..1]
identification	The identification of an account.	

4.2.4.2.4 ConnectionPoint

An interconnection point, whether it is physical or virtual, between two or more Member States as well as interconnections between adjacent entry-exit-systems within the same Member States.

4.2.4.2.4.1 Attributes

Attribute	Description	Multiplicity
identification	The identification of a connection point.	
measureUnit.unitOfMeasureCode	The coded representation of a unit of measure using the UN/CEFACT Recommendation 20 common codes.	

4.2.4.2.5 GasDirection

The direction of a gas flow.

4.2.4.2.5.1 Attributes

Attribute	Description	Multiplicity
gasDirectionCode	A code identifying the direction of a gas flow.	

4.2.4.2.6 Contract_Reference

The identification of a reference.

4.2.4.2.6.1 Attributes

Attribute	Description	Multiplicity
identification	The coded identification of a reference.	

4.2.4.2.7 Assignment_TimeSeries

A set of time-ordered quantities being exchanged in relation to a product.

4.2.4.2.7.1 Attributes

Attribute	Description	Multiplicity
assignment_Reference.identification	The coded identification of a reference. --- The assignment reference provides the identification of a specific nomination assignment.	
businessCode	The business type of a time series.	

4.2.4.2.8 Period

The period that the dependent information is for.

4.2.4.2.8.1 Attributes

Attribute	Description	Multiplicity
lastChange_DateTime.dateTime	The date and time of an event expressed as "YYYY-MM-DDThh:mm:ss.sssZ", which conforms with the ISO 8601 UTC time zone Note: The time within Edig@s is always expressed in UTC. --- The date and time of an event. The date and time that the period information has changed.	
quantity.amount	The amount of a quantity. --- The quantity that has been assigned within the time interval period.	
timeInterval	The start and end date and time for the period. The time is expressed in UTC.	

4.2.5 Contract Market Monitoring Document (MKTMON)

4.2.5.1 Contract Market Monitoring Document Contextual Model

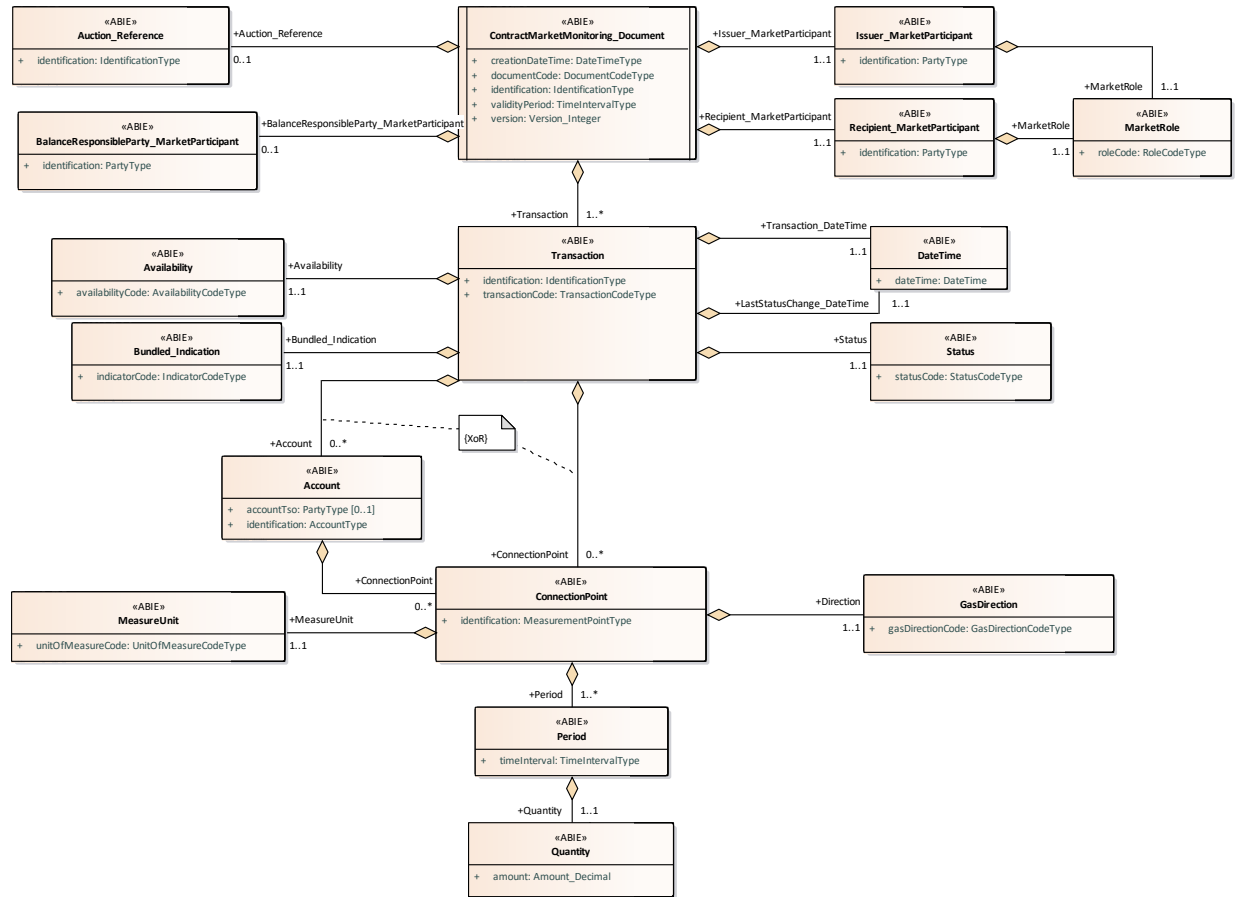


Figure: 14 Contract Market Monitoring Document contextual model

4.2.5.2 Contract Market Monitoring Document Assembly Model

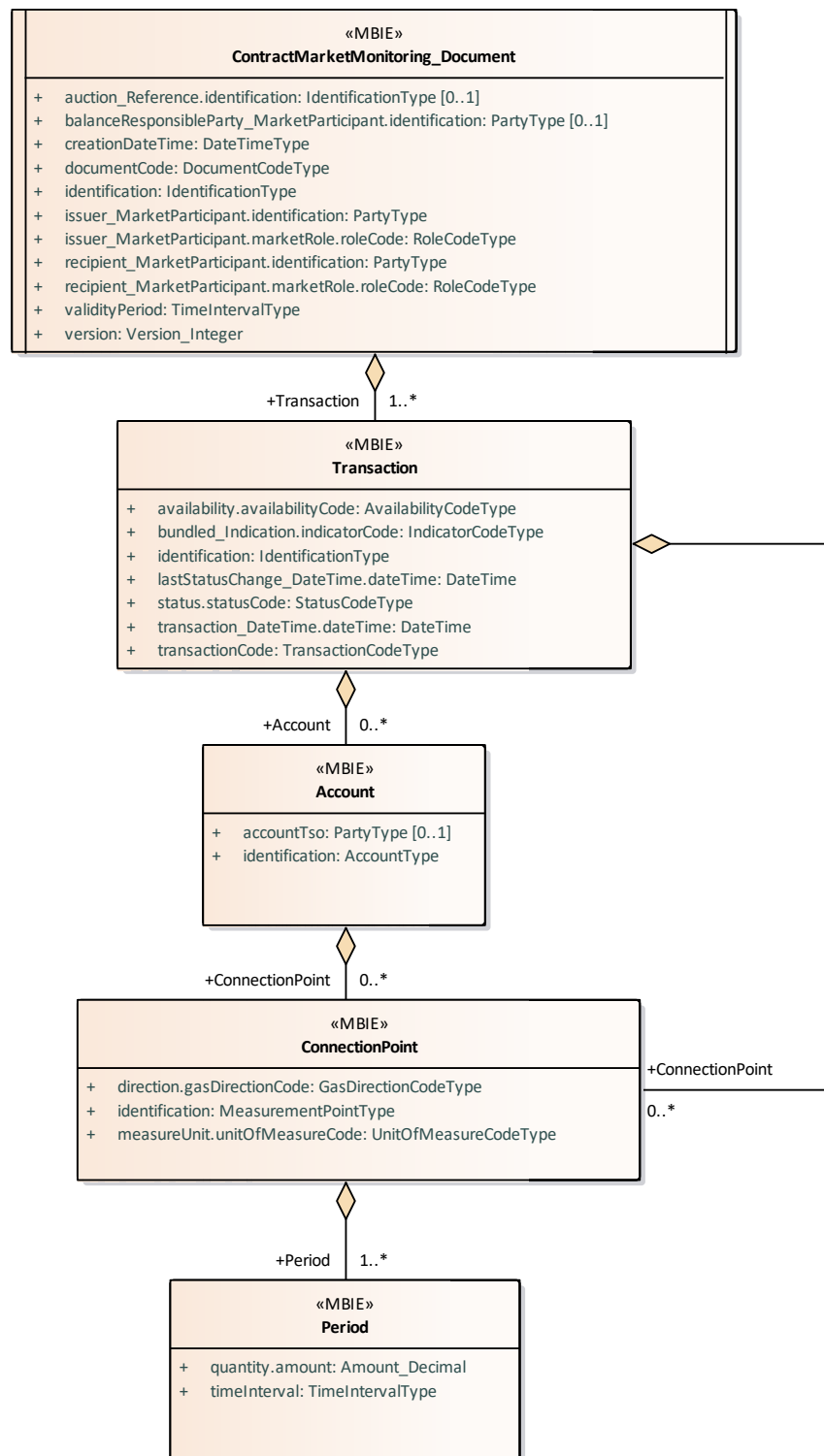


Figure: 15 Contract Market Monitoring Document Assembly Model

4.2.5.2.1 ContractMarketMonitoring_Document

This class provides the basic information needed to describe most electronic documents.

4.2.5.2.1.1 Attributes

Attribute	Description	Multiplicity
auction_Reference.identification	The coded identification of a reference. --- The identification of an auction. This is only used if the document refers to a single auction. This is not used in the case of a REMIT Transmission.	[0..1]
balanceResponsibleParty_MarketParticipant.identification	The identification of the party participating in the market. --- Identification of the party who is the subject of the contract. This is only used when a document refers to a specific Balance Responsible Party. This is not used in the case of a REMIT Transmission.	[0..1]
creationDateTime	Date and time of the creation of the current document expressed in UTC.	
documentCode	Coded representation of the type of the electronic document.	
identification	A unique identification of a document that is assigned by the issuer. This identifies the document being reported.	
issuer_MarketParticipant.identification	The identification of the party participating in the market. --- The issuer of the document.	
issuer_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market. --- The issuer of the document. --- The role of the issuer.	
recipient_MarketParticipant.identification	The identification of the party participating in the market. --- The recipient of the document.	
recipient_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market. --- The recipient of the document. --- The role of the recipient.	
validityPeriod	The start and end date and time of the period of validity covered in the document.	
version	Version of the document being sent. 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.	

4.2.5.2.2 Transaction

The identification of a given transaction within the scope of the process.

4.2.5.2.2.1 Attributes

Attribute	Description	Multiplicity
availability.availabilityCode	A code identifying the nature of the availability of a product (interruptible, firm, etc).	
bundled_Indication.indicatorCode	A boolean indicator of the type "yes" or "no".	

Attribute	Description	Multiplicity
	--- A boolean indication of the qualifying name in a transaction.	
identification	The identification of a transaction.	
lastStatusChange_DateTime.dateTime	The date and time of an event expressed as "YYYY-MM-DDThh:mm:ss.sssZ", which conforms with the ISO 8601 UTC time zone Note: The time within Edig@s is always expressed in UTC. --- Date and time that the status of the transaction changed.	
status.statusCode	A code providing the status of an object.	
transaction_DateTime.dateTime	The date and time of an event expressed as "YYYY-MM-DDThh:mm:ss.sssZ", which conforms with the ISO 8601 UTC time zone Note: The time within Edig@s is always expressed in UTC. --- The Date and time of transaction.	
transactionCode	A code identifying a specific type of transaction.	

4.2.5.2.3 Account

An account used in a transaction.

4.2.5.2.3.1 Attributes

Attribute	Description	Multiplicity
accountTso	The identification of the TSO responsible for an account identification.	[0..1]
identification	The identification of an account.	

4.2.5.2.4 ConnectionPoint

An interconnection point, whether it is physical or virtual, between two or more Member States as well as interconnections between adjacent entry-exit-systems within the same Member States.

4.2.5.2.4.1 Attributes

Attribute	Description	Multiplicity
direction.gasDirectionCode	A code identifying the direction of a gas flow.	
identification	The identification of a connection point.	
measureUnit.unitOfMeasureCode	The coded representation of a unit of measure using the UN/CEFACT Recommendation 20 common codes.	

4.2.5.2.5 Period

The period that the dependent information is for.

4.2.5.2.5.1 Attributes

Attribute	Description	Multiplicity
quantity.amount	The amount of a quantity. --- The quantity reported for the connection point within the time interval in question.	
timeInterval	The start and end date and time for the period. The time is expressed in UTC.	

4.2.6 Urgent Market Message Document (UMMDOC)

4.2.6.1 Urgent Market Message Document Contextual Model

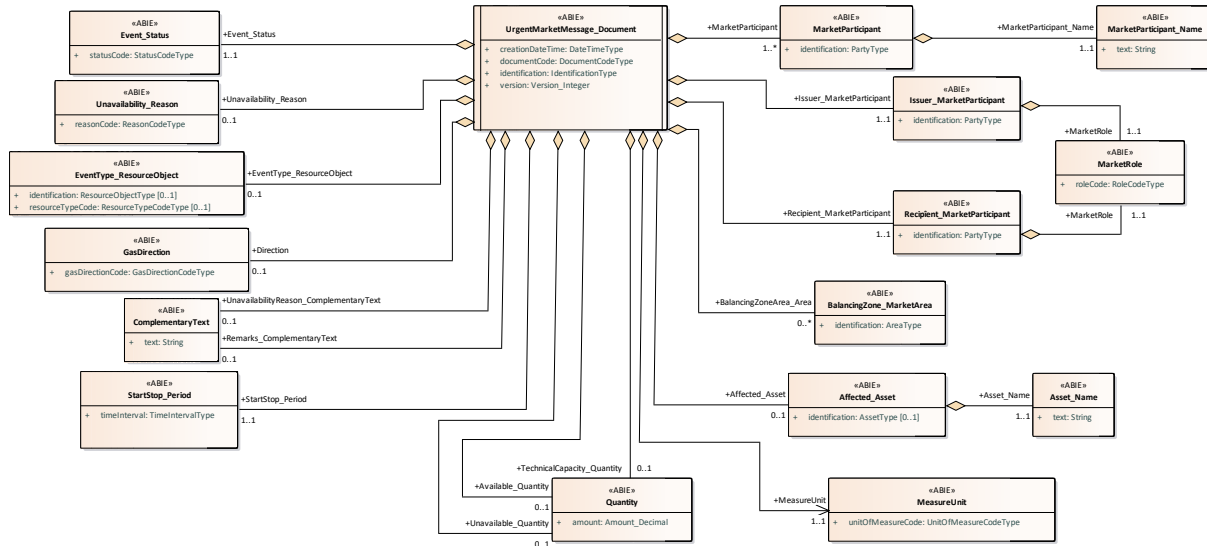


Figure: 16 Urgent Market Message Document Contextual Model

4.2.6.2 Urgent Market Message Document Assembly Model

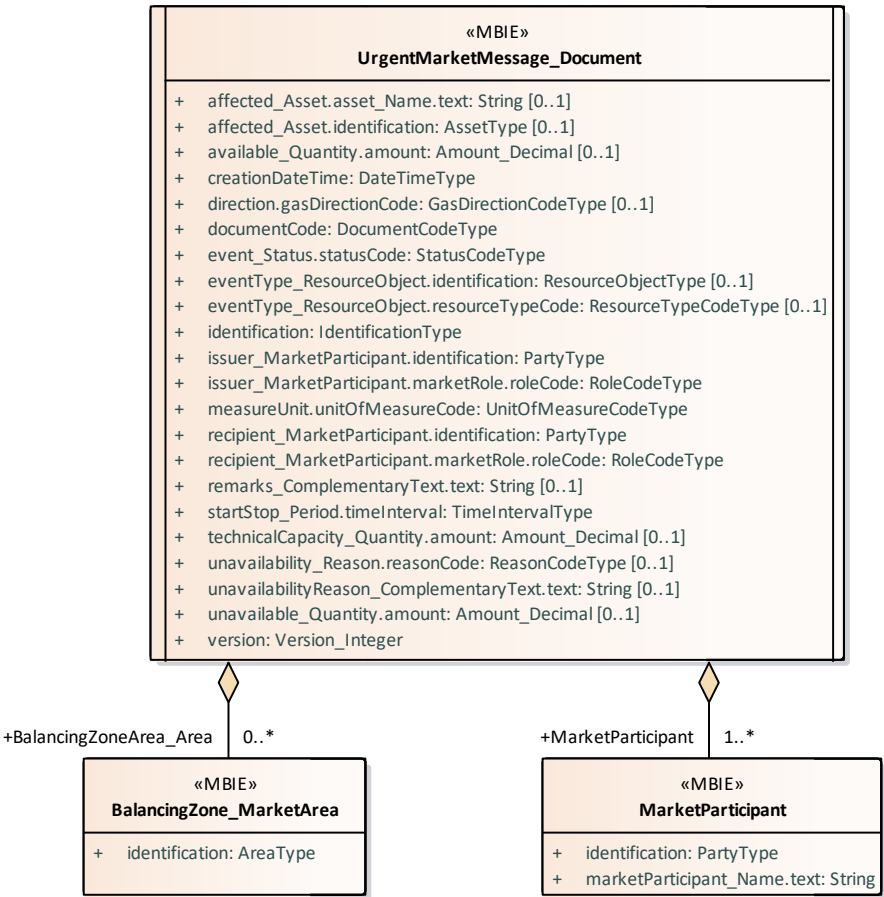


Figure: 17 Urgent Market Message Document Assembly Model

4.2.6.2.1 UrgentMarketMessage_Document

This class provides the basic information needed to describe most electronic documents.

4.2.6.2.1.1 Attributes

Attribute	Description	Multiplicity
affected_Asset.asset_Name.text	A string of characters providing the name of an object. --- --- The official name of the affected unit, consumption unit, transmission, or other – gas asset. This field identifies and locates the facility where the event is about to occur/is occurring/occurred using its official name. The information included in the field shall relate to a specific production/consumption asset/unit or connection. The affected facility has to be identified with the highest level of granularity. In case the event cannot be associated to a single facility (e.g.: in case of general strike, floods affecting distribution etc.) the information should be published using “Other market information”.	[0..1]
affected_Asset.identification	The formal identification of an asset using a recognised coding scheme. Permitted coding schemes are: ACE = ACER code 305 = EIC code 9 = GSI code	[0..1]
available_Quantity.amount	The amount of a quantity.	[0..1]
creationDateTime	Date and time of the creation of the current document expressed in UTC.	
direction_gasDirectionCode	A code identifying the direction of a gas flow.	[0..1]
documentCode	Coded representation of the type of the electronic document.	
event_Status.statusCode	A code providing the status of an object.	
eventType_ResourceObject.identification	The identification of a resource object.	[0..1]
eventType_ResourceObject.resourceTypeCode	The coded identification of a type of a resource object.	[0..1]
identification	A unique identification of a document that is assigned by the issuer.	
issuer_MarketParticipant.identification	The identification of the party participating in the market.	
issuer_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market.	
measureUnit.unitOfMeasureCode	The coded representation of a unit of measure using the UN/CEFACT Recommendation 19 common codes.	
recipient_MarketParticipant.identification	The identification of the party participating in the market.	
recipient_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market.	
remarks_ComplementaryText.text	Complimentary information provided in textual form.	[0..1]
startStop_Period.timeInterval	The start and end date and time for the period. The time is expressed in UTC.	
technicalCapacity_Quantity.amount	The amount of a quantity.	[0..1]
unavailability_Reason.reasonCode	The motivation of an act in coded form.	[0..1]
unavailabilityReason_ComplementaryText.text	Complimentary information provided in textual form.	[0..1]

Attribute	Description	Multiplicity
unavailable Quantity.amount	The amount of a quantity.	[0..1]
version	Version of the document being sent. 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.	

4.2.6.2.2 MarketParticipant

A party participating in the market.

This identifies the market participant that is responsible for the public disclosure of the inside information related to the event described in the UMM. The class allows for identifying multiple market participants e.g.: a facility is associated to multiple equity holders under a joint operating agreement.

In case the information is published via a third party service provider, it is the name of the market participant(s) that should be included in the field and NOT that of the service provider.

4.2.6.2.2.1 Attributes

Attribute	Description	Multiplicity
identification	The identification of the party participating in the market. The coding scheme shall be identified by: ACE = Acer code 305 = EIC code 9 = GS1 code	
marketParticipant_Name.text	A string of characters providing the name of an object. --- The official name of the market participant(s) that falls under the obligation of Article 4 of REMIT, regarding the specific event.	

4.2.6.2.3 BalancingZone_MarketArea

A specific area that delimits a market;

The class 'Balancing Zone' provides the identification of the balancing zone(s) where the affected asset or unit is located using the EIC Y coding schema for the areas.

The field should allow for multiple EIC codes in case several delivery points are available (e.g. gas storage connected to a number of balancing zones).

In case of interconnector pipeline IN and OUT Balancing Zones shall be provided.

4.2.6.2.3.1 Attributes

Attribute	Description	Multiplicity
identification	Identification of an area delimiting a market. Permitted coding scheme is: 305 = EIC code	

5 Document Change Log

5.1.1 Version

5.1.1.1 Attributes

Attribute	Description	Multiplicity
Version 1 2020-06-29	Initial release.	
Version 2 2021-03-24	Release 6.1. Corrected schema and decision table for Capacity and Nomination Monitoring document, and added contractReference and contractType attributes.	
Version 3 2022-10-26	Changed from A01 to ACE in in MarketParticipant Attributes Identification for UMM message	
Version 4 2026-06-25	Added new section for document schema overview	