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REMIT and Transparency

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Model Documentation

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Version 6.1

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19   *Document Version: 3*
20   *Schema Version: 1*
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117 1 Model Detail

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129 # 2 Document usage decision table

130 The following decision table provides a summary of the message requirements depending on the type of message:
131

132 ## 2.1 Transparency Publication Document Decision Table

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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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136 ## 2.2 Capacity and Nomination Monitoring Decision table

137

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.availibilityCode	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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142 ## 2.3 Nomination assignment decision table

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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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2.4 Contract Market Monitoring Document Decision table

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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 ambigious; 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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2.5 Urgent Market Message Document Decision table

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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. Z03 = Output. (Refer to Edig@s GasDirectionCodeTypeCodeList for the list of valid codes).	Not used
unavailability_Reason.reasonCode	22G = Unplanned availability 25G = Planned availability (Refer to Edig@s ReasonCodeTypeCodeList for the list of valid codes).	Not used

Urgent MarketMessage Document	Unavailabilities of gas facilities	Other market information
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 usd.
affected_Asset.identification	Mandatory.	Not used.
MarketParticipant.identification	Mandatory.	
MarketParticipant.marketParticipant_Name.text	Mandatory.	
BalancingZone_MarketArea.identification	Mandatory;	Not used.

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156 # 3 05-RemitAndTransparency

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159 ## 3.1 REMIT Process

160 **IMPORTANT NOTE.**
161 The REMIT Process will not be migrated to Edig@s version 6 until the planned changes to the REMIT electronic
162 documents are approved for implementation.
163 At that time the evolution to the REMIT document set will be simultaneously migrated to Edig@s version 6.

164
165 Consequently the REMIT document set shall always be that of Edig@s version 5.1.
166 The electronic document contents of which are:
167 1. Gas capacity Allocations Document.
168 2. Nomination Monitoring Document.
169 3. Contract Market Monitoring Document.

170

3.2 Transparency Process

3.2.1 Business Processes

3.2.1.1 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.

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.

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.

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.
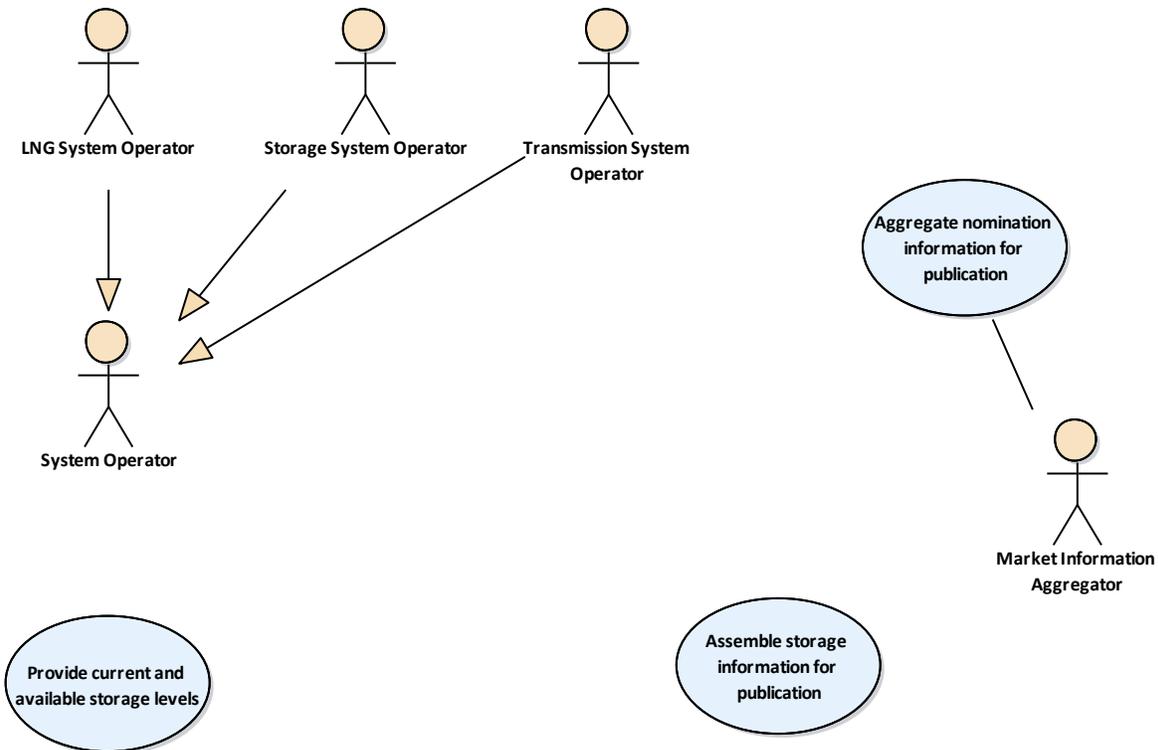
Figure: 1 **Transparancy Publication use case**

3.2.1.2 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.
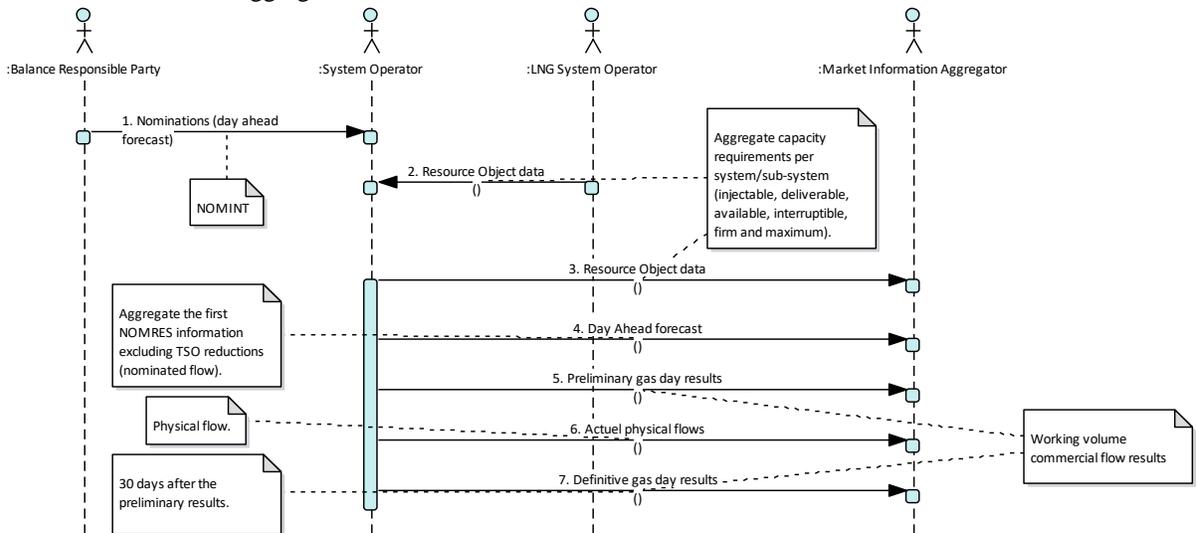
Figure: 2 **Transparency Publication Sequence**

3.2.1.3 Transparency publication workflow

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217 The daily requirement for the publication of data on the Transparency Platform requires all the System Operators
218 (Transmission, Storage and LNG) to aggregate their nomination information to the level required by the publication
219 standard.
220 The Transmission System Operator sends the ex-ante supply and demand nomination information to the Market
221 Information Aggregator for publication. This is required on a daily basis at 18h00 UTC+1.
222 The Storage and LNG System Operators send the capacity requirements per defined resource object (interconnection
223 point, system or sub system) to the Transmission System Operator for assemblage and transmission to the Market
224 Information Aggregator for publication.
225 At the end of the gas day the Transmission System Operator provides the ex-post supply and demand information to
226 the Market Information Aggregator for publication. This is required 48 hours after the end of the gas day.
227 When the actual physical flow information becomes available the Transmission System Operator assemblies it
228 together and transmits it to the Market Information Aggregator for publication.
229 30 days after the end of the gas day the Transmission System Operator transmits the final ex-post supply and demand
230 information to the Market Information Aggregator for publication.
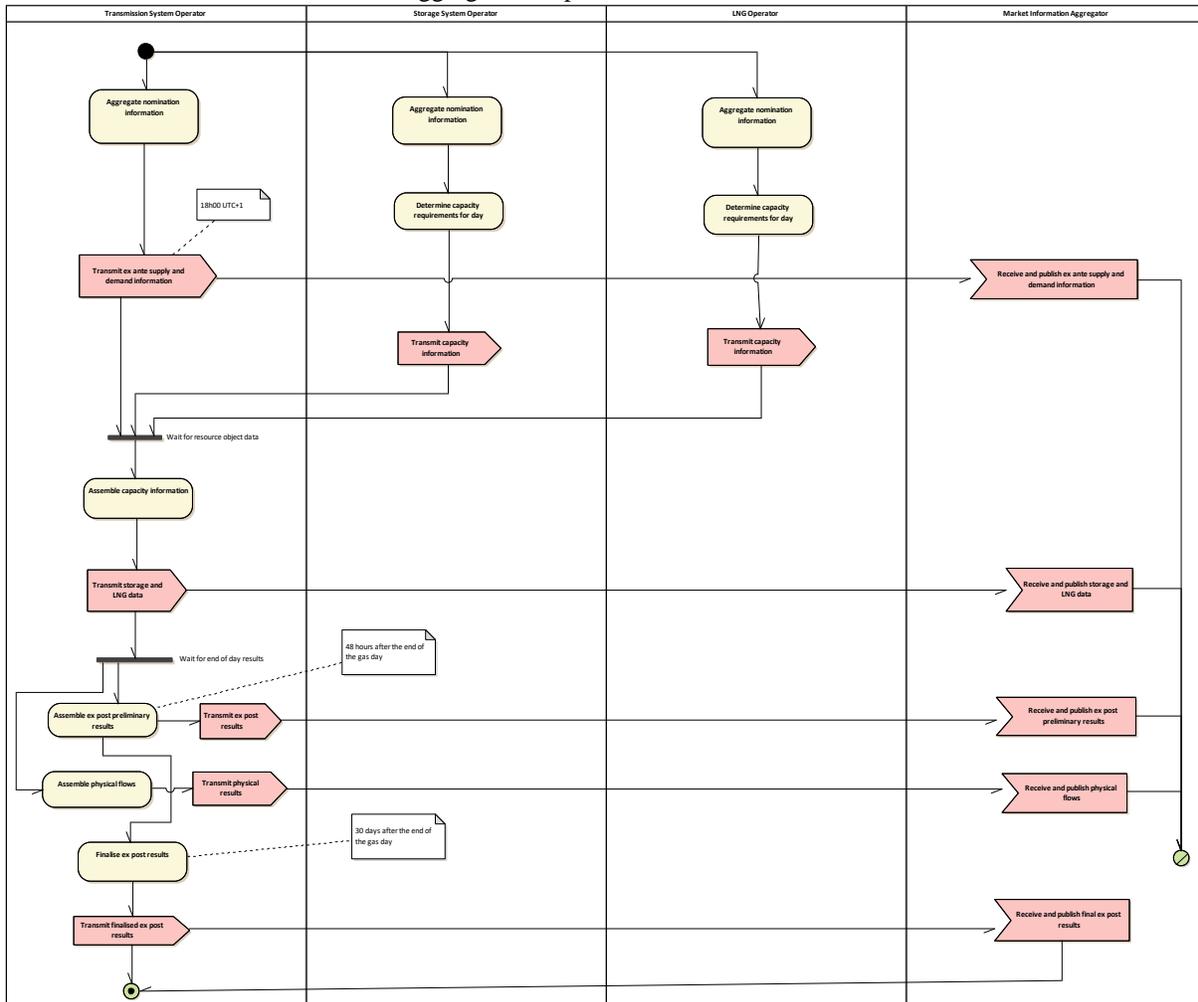
231
232 Figure: 3 **Transparency publication workflow**

233

234

235 ## 3.2.1.4 Market monitoring use case
236
237 The Market Monitoring process is a reporting process on gas market activity within a given area. It is broken down
238 into 4 basic use cases:
239 1. Provide contractual information. This use case caters for the transmission by the System Operator to the
240   designated Market Information Aggregator of basic contractual information related to the market. A subset of this
241   relates more specifically to the provision of nomination assignments.
242 2. Provide capacity allocations. This use case enables a System Operator to provide to a designated Market
243   Information Aggregator all the information that is related to capacity allocations.
244 3. Provide nomination and allocation information. This use case caters for the provision of all validated nomination
245   and allocation information for a given gas period.
246 4. Provide physical flows. The last use case caters for transmission of all gas physical flows that have occurred
247   during a given gas period.
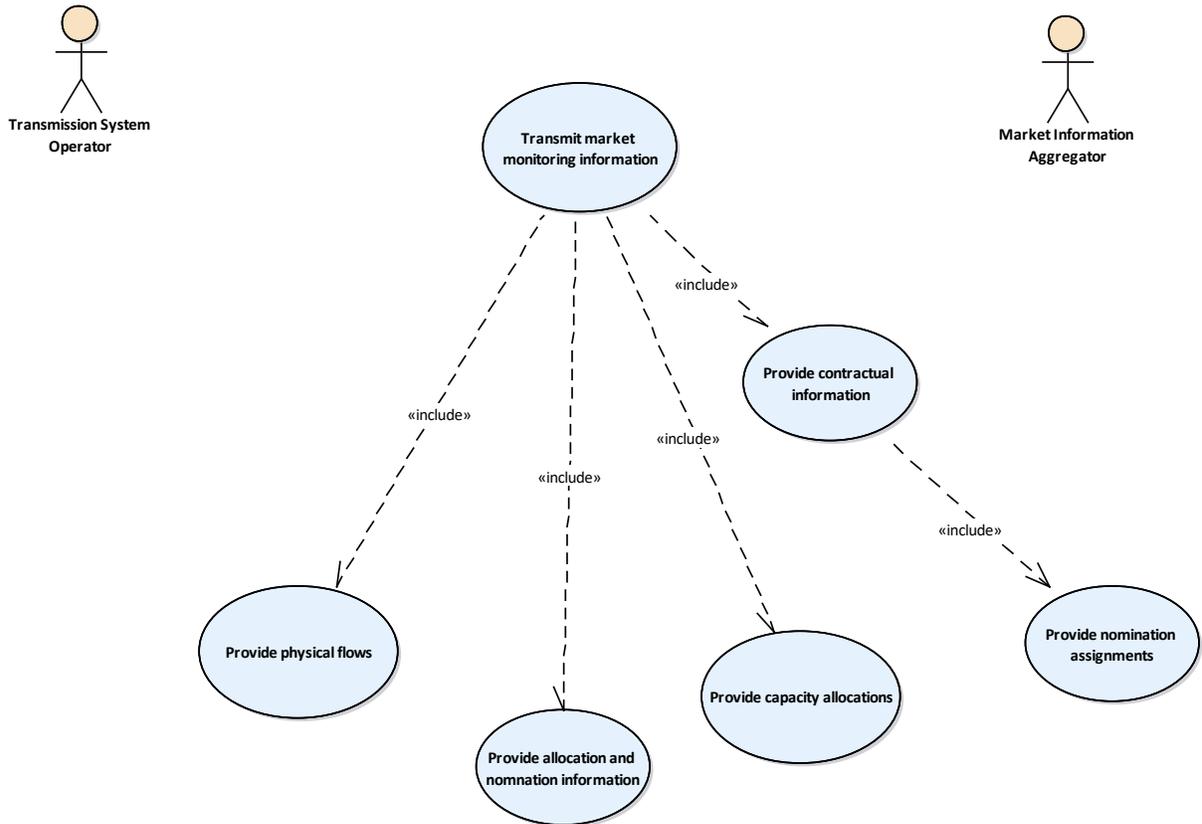
248
249   Figure: 4 **Market monitoring use case**
250
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3.2.1.5 Market monitoring sequence

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.
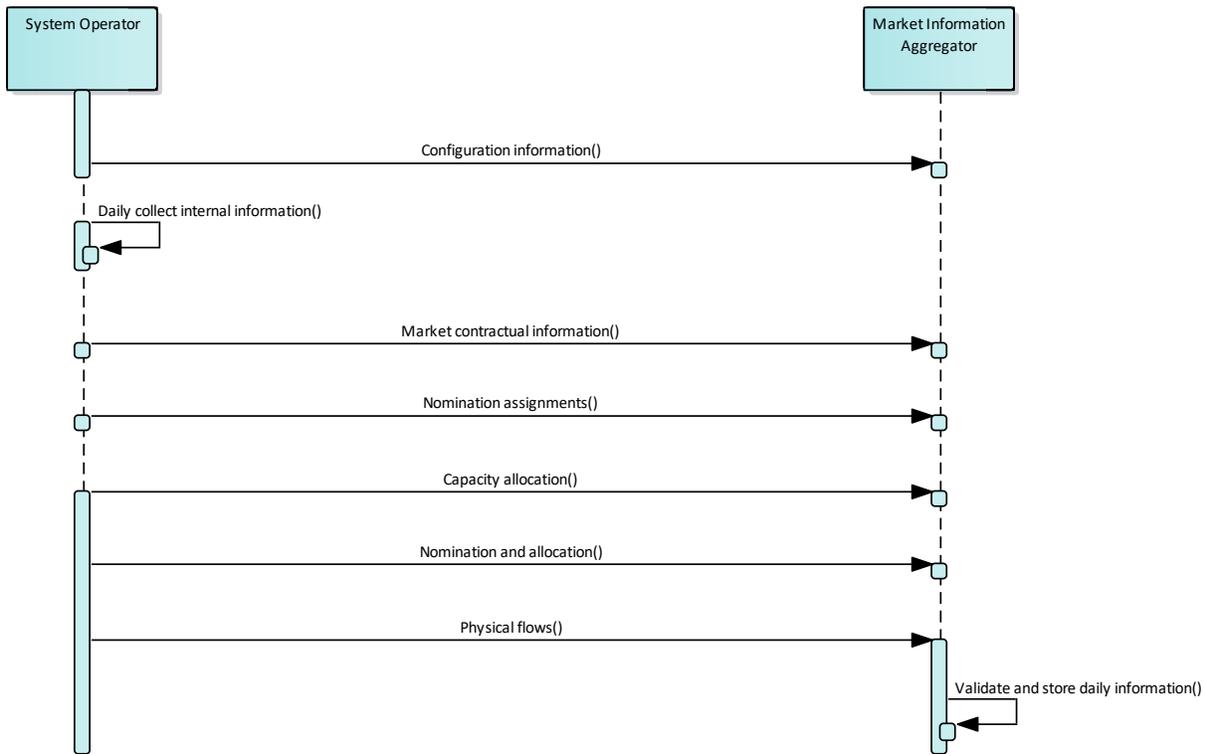
Figure: 5 **Market monitoring sequence**

276 ## 3.2.1.6 Market monitoring workflow

277
278 The workflow of the provision of market monitoring information is decomposed into two distinct phases. The first
279 phase basically covers the the provision of configuration information, market contractual information and nomination
280 assignments. This information is provided at a rhythm that is not strictly related to a systematic daily process. For
281 example the nomination assignments could be for weekly, monthly or yearly nominations.
282 The second phase covers the systematic daily process which is basically the provision of capacity allocation,
283 nomination and allocations and physical flows.
284 Every step requires the transmission of the information to the Market Information Aggregator who in turn
285 acknowledges each transmission. The acknowledgement may be positive, indicating that the information appears to be
286 coherent and that there is no unprocessable information, or it may be negative, indicating that the information provided
287 cannot be correctly processed by the receiving system. In the case of negative acknowledgements the complete
288 electronic document is retransmitted. The Edigas Acknowledgement Document is used for this process.
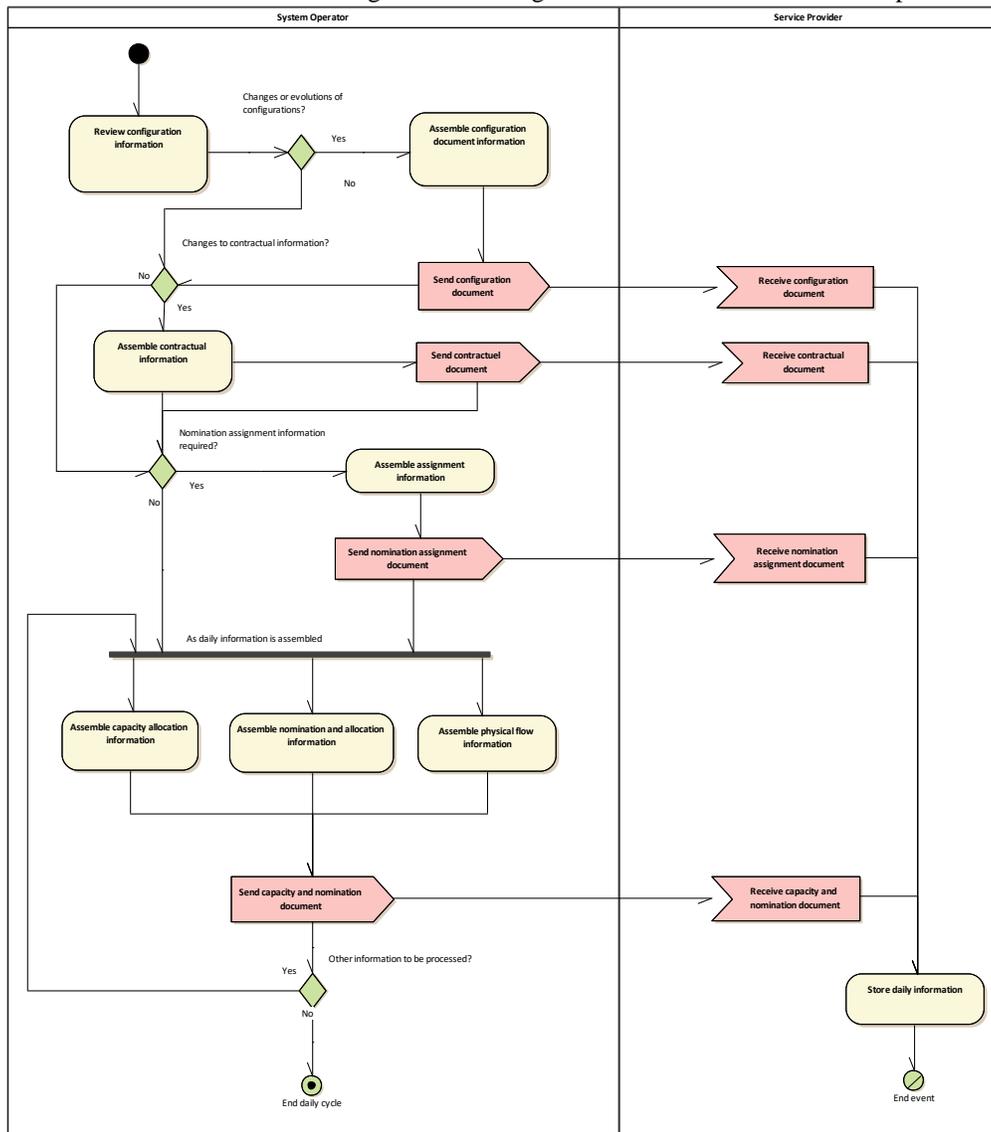
289
290 Figure: 6 **Market monitoring workflow**
291
292

293 ## 3.2.1.7 UMM - Sequence diagram

294
295
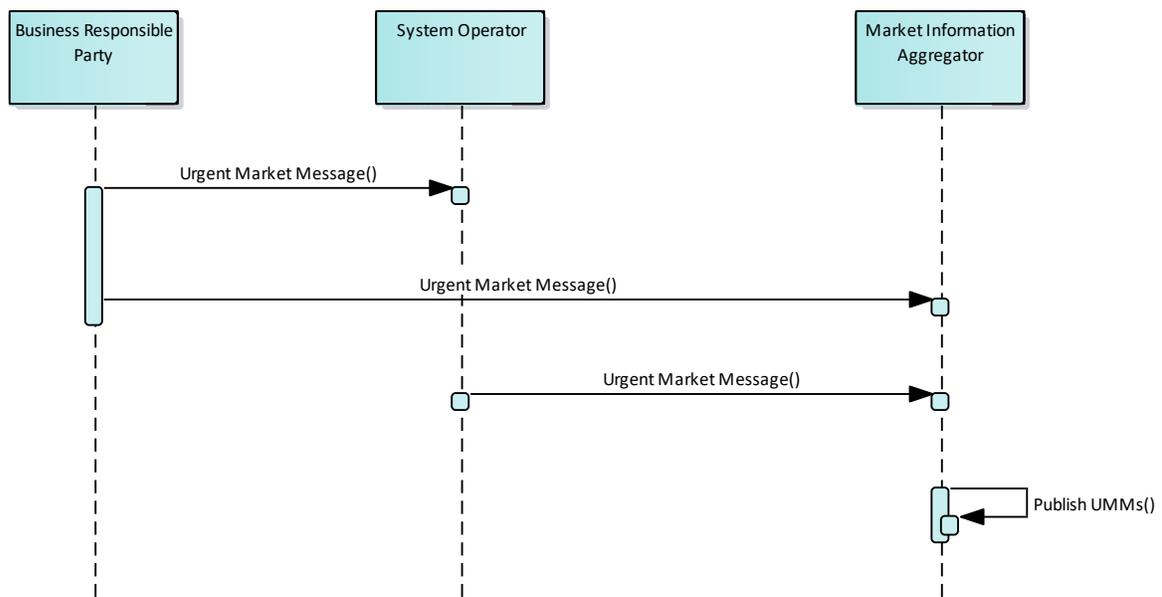
296
297 Figure: 7 **Sequence diagram**
298

299

300   ## 3.2.2 Transparency Publication Document (TRANSPB)

301   ### 3.2.2.1 Transparency Publication Document Contextual Model

302
303
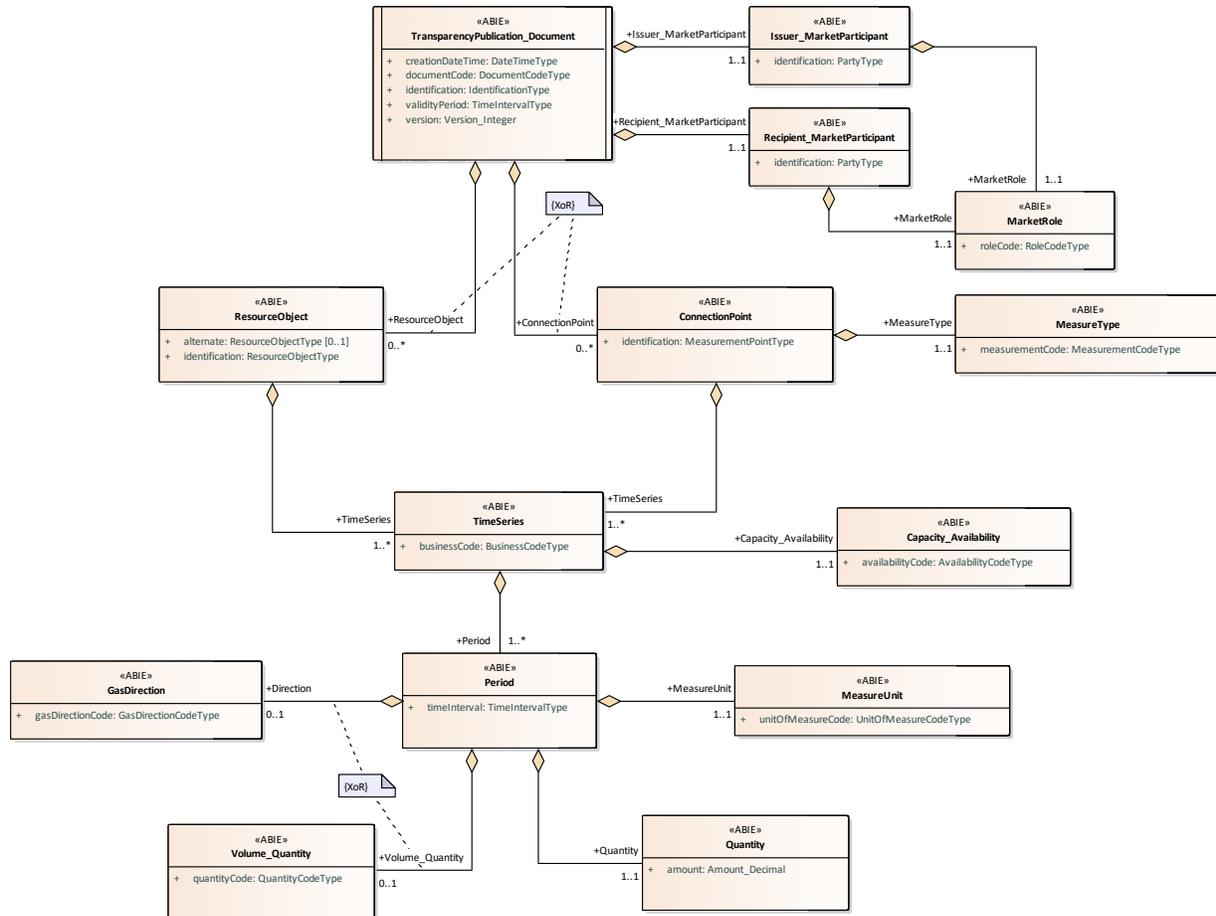
304
305   Figure: 8 **Transparency Document Contextual Model**
306
307

308   ## 3.2.2.2 Transparency Publication Document Assembly Model
309
310
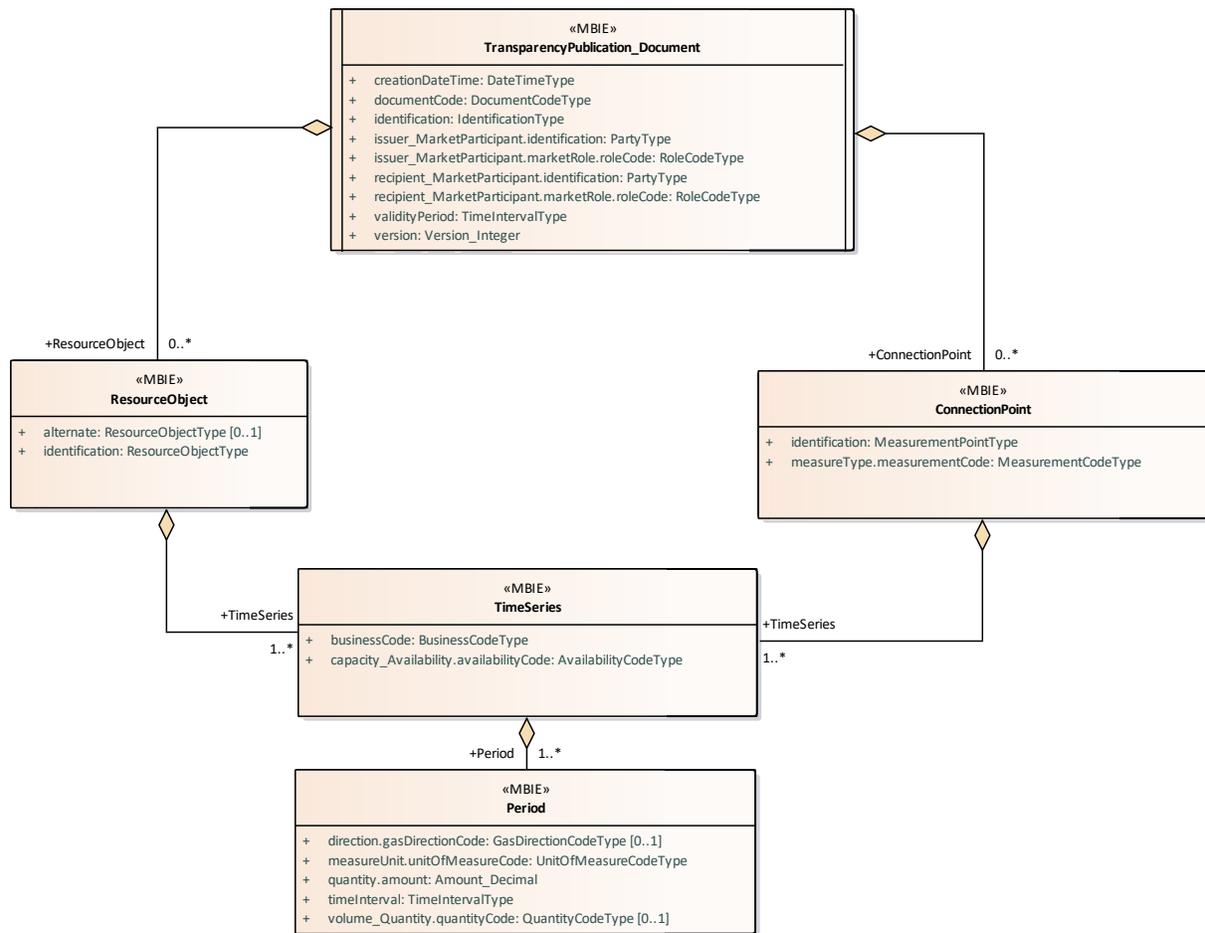
311
312   Figure: 9 **Transparency Publication Document Assembly Model**
313

314 **3.2.2.2.1 TransparencyPublication_Document**

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

316 **3.2.2.2.1.1 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.	

317 **3.2.2.2.2 ConnectionPoint**

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

320 **3.2.2.2.2.1 Attributes**

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

321 **3.2.2.2.3 TimeSeries**

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

323 **3.2.2.2.3.1 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).	

324
325

326   **3.2.2.2.4 Period**

327   The period that the dependent information is for.

328   **3.2.2.2.4.1 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]

329   **3.2.2.2.5 ResourceObject**

330   The identification of a resource object.

331   **3.2.2.2.5.1 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.	

332

333

334 3.2.3 Capacity And Nomination Monitoring Document (CANMON)

335 3.2.3.1 Capacity And Nomination Monitoring Document Contextual Model

336
337
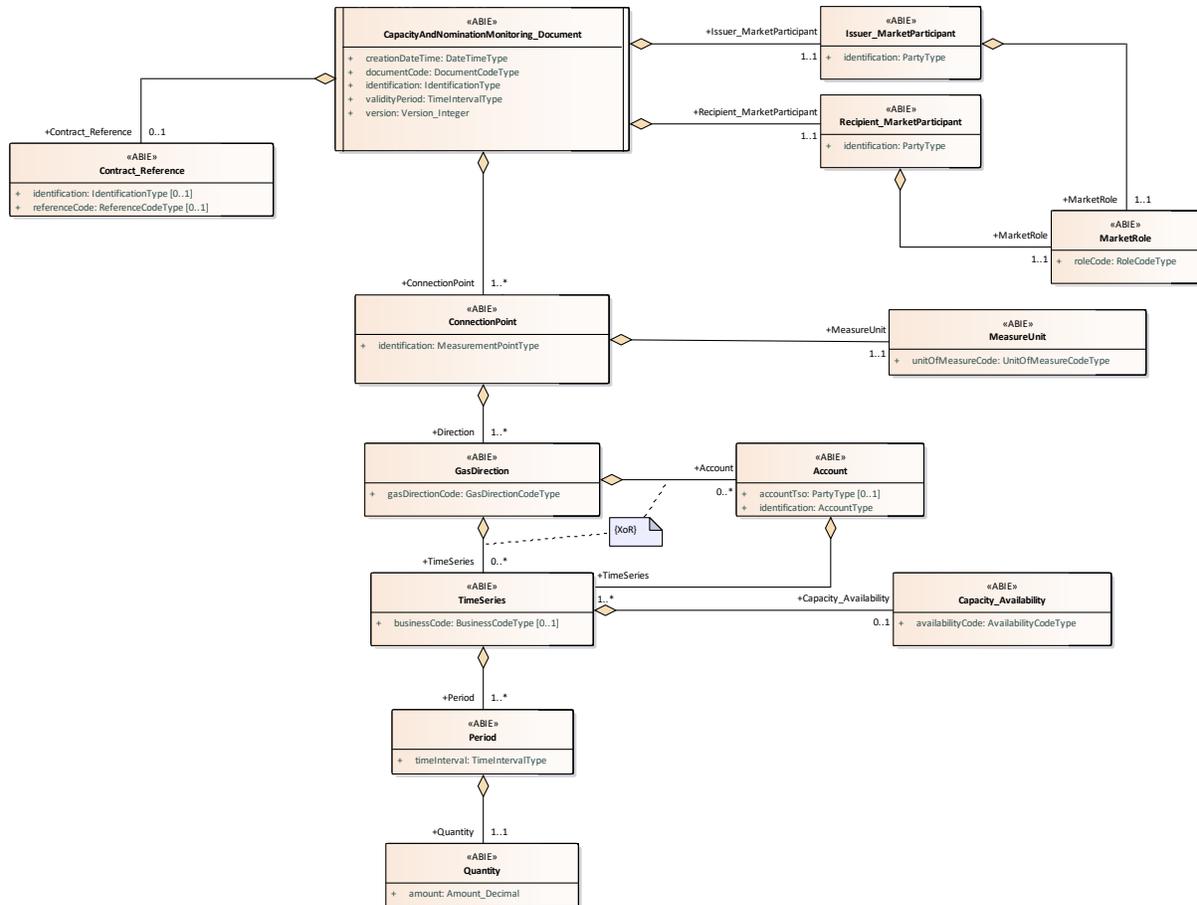
338
339 Figure: 10 **Capacity And Nomination Monitoring Document Contextual Model**
340
341

342   3.2.3.2 Capacity And Nomination Monitoring Document Assembly Model

343

344

«MBIE»
CapacityAndNominationMonitoring_Document

+   contract_Reference.identification: IdentificationType [0..1]
+   contract_Reference.referenceCode: ReferenceCodeType [0..1]
+   creationDateTime: DateTimeType
+   documentCode: DocumentCodeType
+   identification: IdentificationType
+   issuer_MarketParticipant.identification: PartyType
+   issuer_MarketParticipant.marketRole.roleCode: RoleCodeType
+   recipient_MarketParticipant.identification: PartyType
+   recipient_MarketParticipant.marketRole.roleCode: RoleCodeType
+   validityPeriod: TimeIntervalType
+   version: Version_Integer

+ConnectionPoint   1..*

«MBIE»
ConnectionPoint

+   identification: MeasurementPointType
+   measureUnit.unitOfMeasureCode: UnitOfMeasureCodeType

+Direction   1..*

«MBIE»
GasDirection

+   gasDirectionCode: GasDirectionCodeType

{XoR}

+Account   0..*

«MBIE»
Account

+   accountTso: PartyType [0..1]
+   identification: AccountType

+TimeSeries   0..*

«MBIE»
TimeSeries

+   businessCode: BusinessCodeType [0..1]
+   capacity_Availability.availabilityCode: AvailabilityCodeType [0..1]

+TimeSeries

1..*

+Period   1..*

«MBIE»
Period

+   quantity.amount: Amount_Decimal
+   timeInterval: TimeIntervalType

345

346   Figure: 11 **Capacity And Nomination Monitoring Document Assembly Model**

347

348   ### 3.2.3.2.1 _Document

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

350   #### 3.2.3.2.1.1 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.	

351   ### 3.2.3.2.2 ConnectionPoint

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

354   #### 3.2.3.2.2.1 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.	

355   ### 3.2.3.2.3 GasDirection

356   The direction of a gas flow.

357   #### 3.2.3.2.3.1 Attributes

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

358

359

360 ### 3.2.3.2.4 Account

361 An account used in a transaction.

362 #### 3.2.3.2.4.1 Attributes

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

363 ### 3.2.3.2.5 TimeSeries

364 A set of time-ordered quantities being exchanged in relation to a product.
365 The business Code is only provided with nomination and allocation information or with physical flow information.

366 #### 3.2.3.2.5.1 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]

367 ### 3.2.3.2.6 Period

368 The period that the dependent information is for.

369 #### 3.2.3.2.6.1 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.	

370

371

372 3.2.4 Nomination Assignment Document (NOMASS)

373 3.2.4.1 Nomination Assignment Contextual Model

374
375
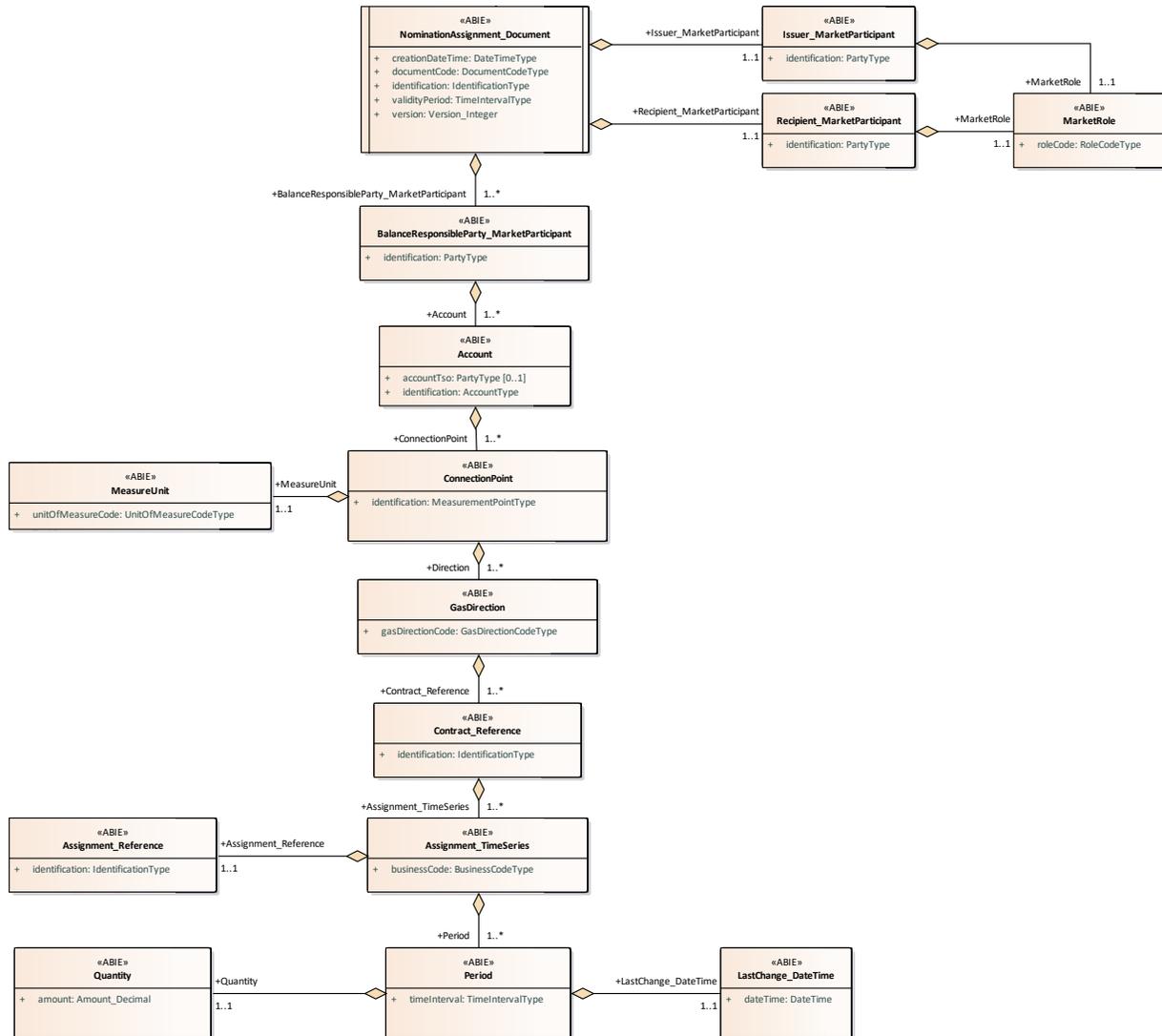
376
377 Figure: 12 **Nomination Assignment Contextual Model**

378
379

380   **3.2.4.2 Nomination Assignment Assembly Model**

381
382

«MBIE»
NominationAssignment_Document

+   creationDateTime: DateTimeType
+   documentCode: DocumentCodeType
+   identification: IdentificationType
+   issuer_MarketParticipant.identification: PartyType
+   issuer_MarketParticipant.marketRole.roleCode: RoleCodeType
+   recipient_MarketParticipant.identification: PartyType
+   recipient_MarketParticipant.marketRole.roleCode: RoleCodeType
+   validityPeriod: TimeIntervalType
+   version: Version_Integer

+BalanceResponsibleParty_MarketParticipant 1..*

«MBIE»
BalanceResponsibleParty_MarketParticipant

+   identification: PartyType

+Account   1..*

«MBIE»
Account

+   accountTso: PartyType [0..1]
+   identification: AccountType

+ConnectionPoint   1..*

«MBIE»
ConnectionPoint

+   identification: MeasurementPointType
+   measureUnit.unitOfMeasureCode: UnitOfMeasureCodeType

+Direction   1..*

«MBIE»
GasDirection

+   gasDirectionCode: GasDirectionCodeType

+Contract_Reference   1..*

«MBIE»
Contract_Reference

+   identification: IdentificationType

+Assignment_TimeSeries   1..*

«MBIE»
Assignment_TimeSeries

+   assignment_Reference.identification: IdentificationType
+   businessCode: BusinessCodeType

+Period   1..*

«MBIE»
Period

+   lastChange_DateTime.dateTime: DateTime
+   quantity.amount: Amount_Decimal
+   timeInterval: TimeIntervalType

383
384   Figure: 13 **Nomination Assignment Assembly Model**
385

386 ### 3.2.4.2.1 NominationAssignment_Document

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

388 #### 3.2.4.2.1.1 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.	

389 ### 3.2.4.2.2 BalanceResponsibleParty_MarketParticipant

390 A party participating in the market.

391 #### 3.2.4.2.2.1 Attributes

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

392 ### 3.2.4.2.3 Account

393 An account used in a transaction.

394 #### 3.2.4.2.3.1 Attributes

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

395

396

397   ### 3.2.4.2.4 ConnectionPoint

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

400   #### 3.2.4.2.4.1 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.	

401   ### 3.2.4.2.5 GasDirection

402   The direction of a gas flow.

403   #### 3.2.4.2.5.1 Attributes

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

404   ### 3.2.4.2.6 Contract_Reference

405   The identification of a reference.

406   #### 3.2.4.2.6.1 Attributes

Attribute	Description	Multiplicity
identification	The coded identification of a reference.	

407   ### 3.2.4.2.7 Assignment_TimeSeries

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

409   #### 3.2.4.2.7.1 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.	

410   ### 3.2.4.2.8 Period

411   The period that the dependent information is for.

412   #### 3.2.4.2.8.1 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.	

413

414

415 3.2.5 Contract Market Monitoring Document (MKTMON)

### 416 3.2.5.1 Contract Market Monitoring Document Contextual Model

417
418
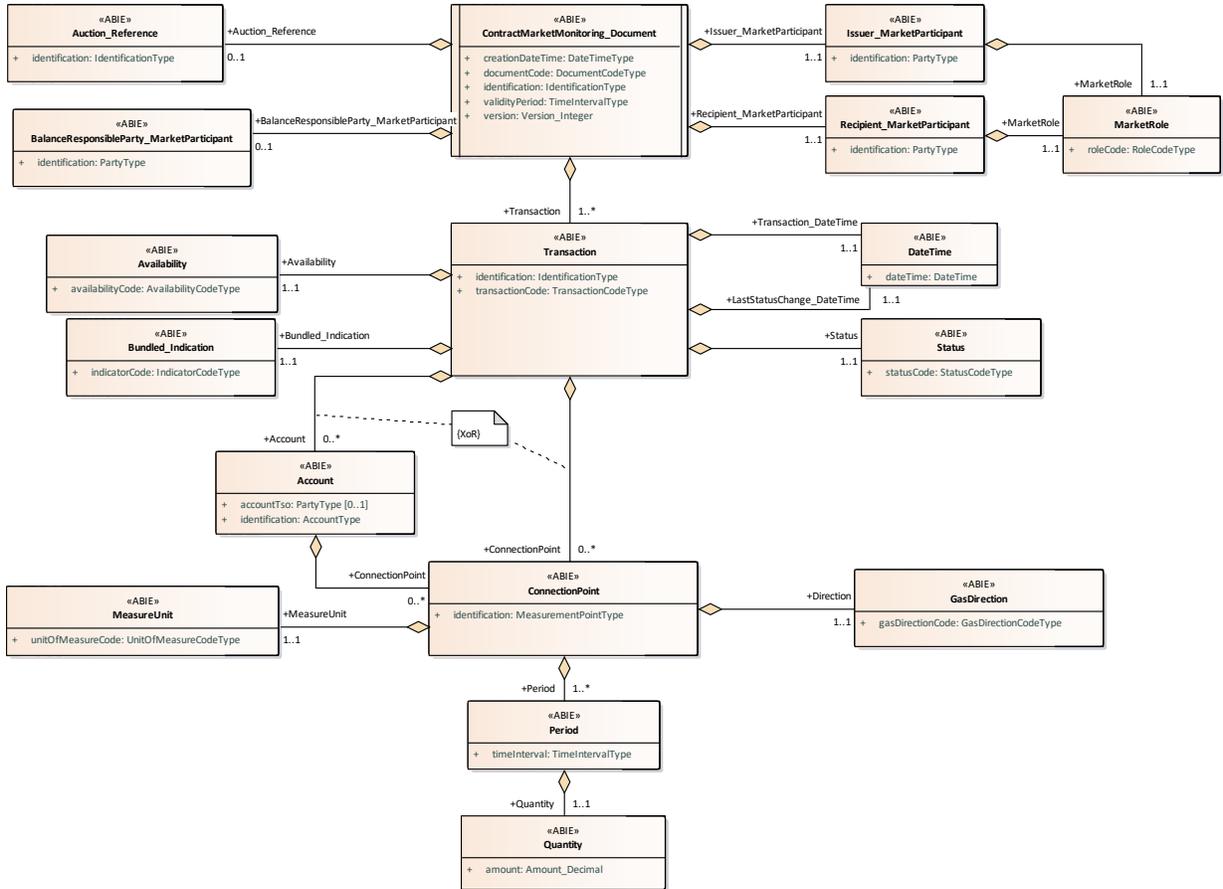
419
420 Figure: 14 **Contract Market Monitoring Document contextual model**
421
422

423   ### 3.2.5.2 Contract Market Monitoring Document Assembly Model

424
425
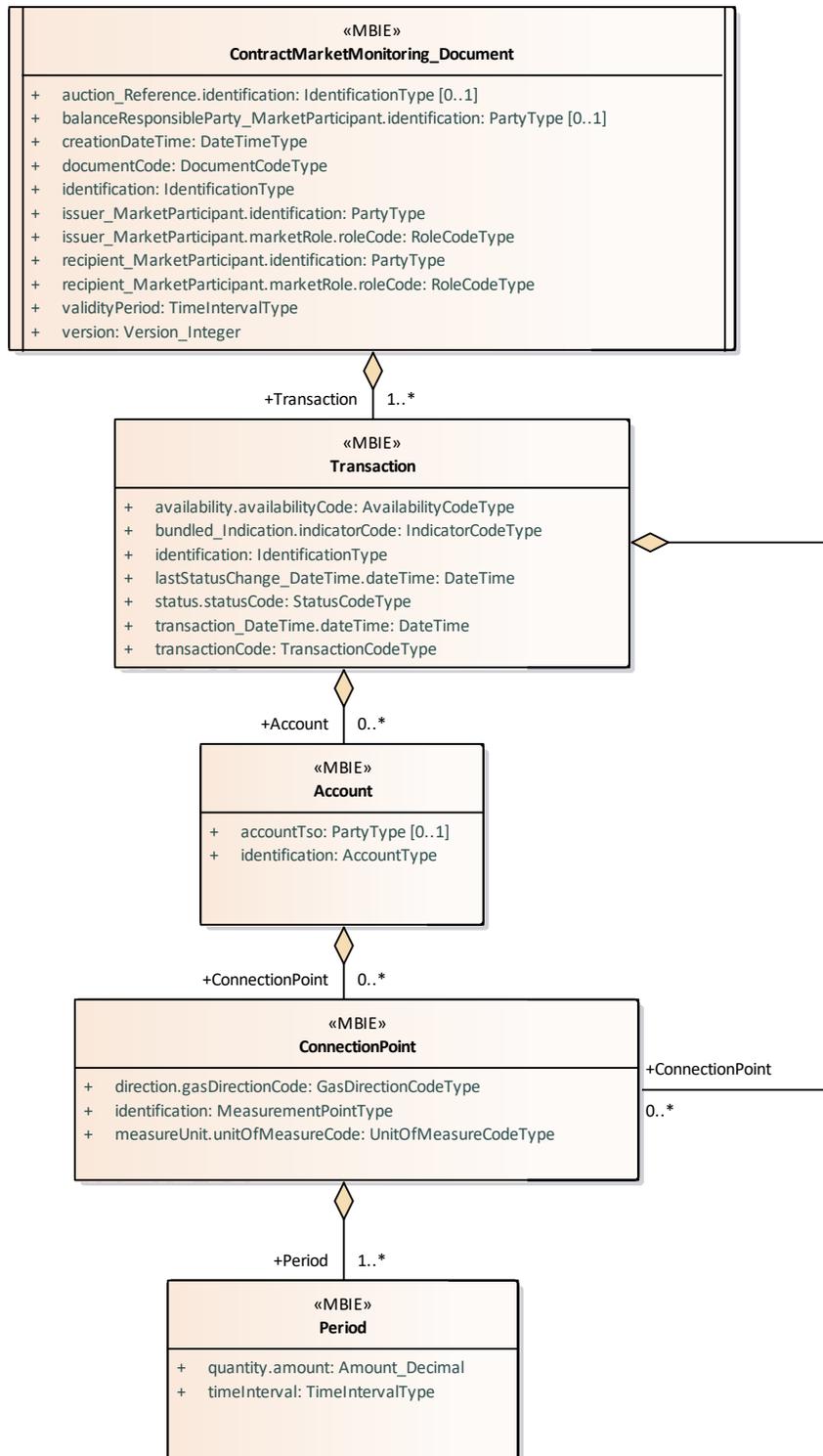
426
427   Figure: 15 **Contract Market Monitoring Document Assembly Model**
428

429   ### 3.2.5.2.1 ContractMarketMonitoring_Document

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

431   ### 3.2.5.2.1.1 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.	

432   ### 3.2.5.2.2 Transaction

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

434   ### 3.2.5.2.2.1 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.	

435 ### 3.2.5.2.3 Account

436 An account used in a transaction.

437 ### 3.2.5.2.3.1 Attributes

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

438 ### 3.2.5.2.4 ConnectionPoint

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

441 ### 3.2.5.2.4.1 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.	

442 ### 3.2.5.2.5 Period

443 The period that the dependent information is for.

444 ### 3.2.5.2.5.1 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.	

445

446

447 3.2.6 Urgent Market Message Document (UMMDOC)

448 3.2.6.1 Urgent Market Message Document Contextual Model

449
450
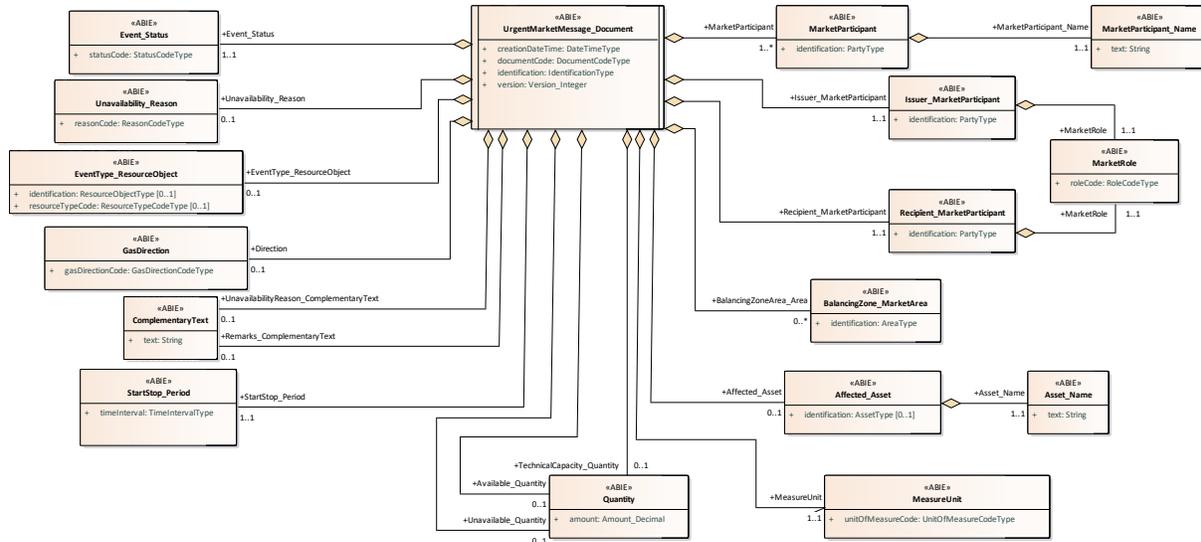
451
452 Figure: 16 **Urgent Market Message Document Contextual Model**
453
454

455   ### 3.2.6.2 Urgent Market Message Document Assembly Model

456
457
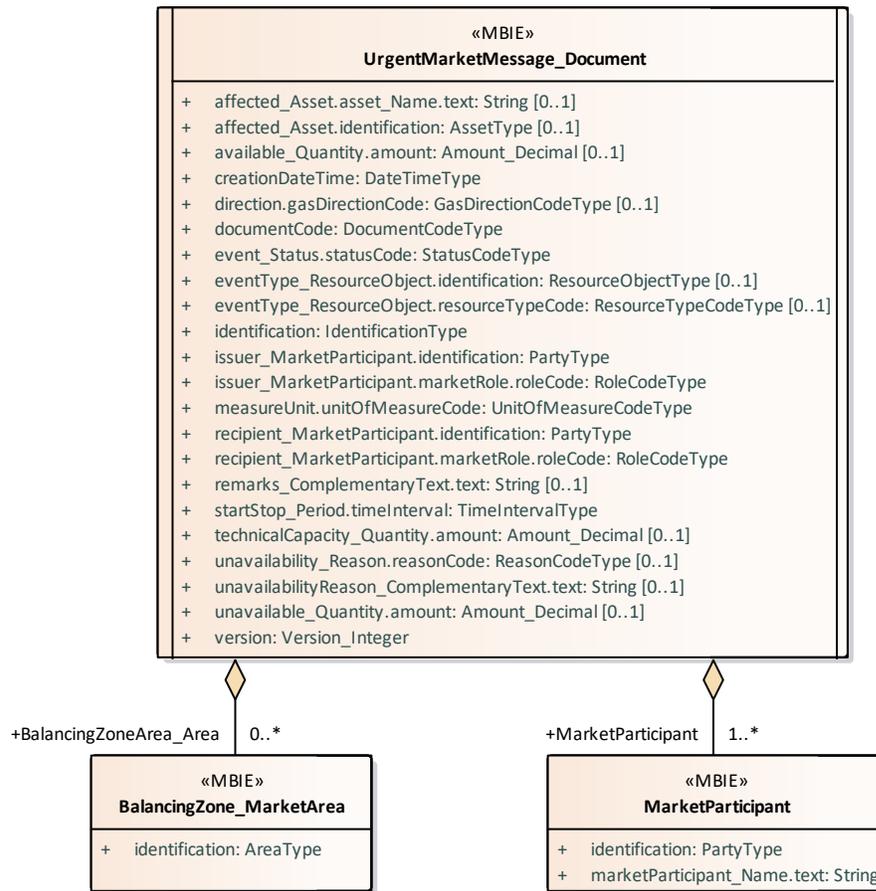
Figure: 17 **Urgent Market Message Document Assembly Model**

458
459
460

461 ### 3.2.6.2.1 UrgentMarketMessage_Document

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

463 #### 3.2.6.2.1.1 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 = GS1 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.	

3.2.6.2.2 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.

3.2.6.2.2.1 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.	

3.2.6.2.3 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.

3.2.6.2.3.1 Attributes

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

482   4 Document Change Log

483   4.1.1 Version

484   4.1.1.1 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	

485