1   **SECTION**

2   # III   Nomination and Matching Process

3

4   ## *Version 5.1*

5
6

7   ## *EASEE-gas/Edig@s Workgroup*

8   ## *Document version: 2*

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19   consequential damages arising out of any use of, or errors or omissions in, the guidelines.

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1   REFERENCES

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

83 All electronic documents using this Implementation guide Specification shall complete the document
84 Version and Release attributes as follows:

85   • Version: "EGAS50". This corresponds to the Edig@s package identification.

86   • Release: "1". This corresponds to the Message Implementation Guide Version number.

87 For definition of the roles outlined in figure 1 refer to the Edigas RoleType codelist.

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

2   GENERAL OVERVIEW

92 The Edig@s standard has been created to facilitate the exchanges required to support the activities for
93 the exchange of information within the gas market. The principal activities are outlined in the use case
94 diagram in figure 1.

95
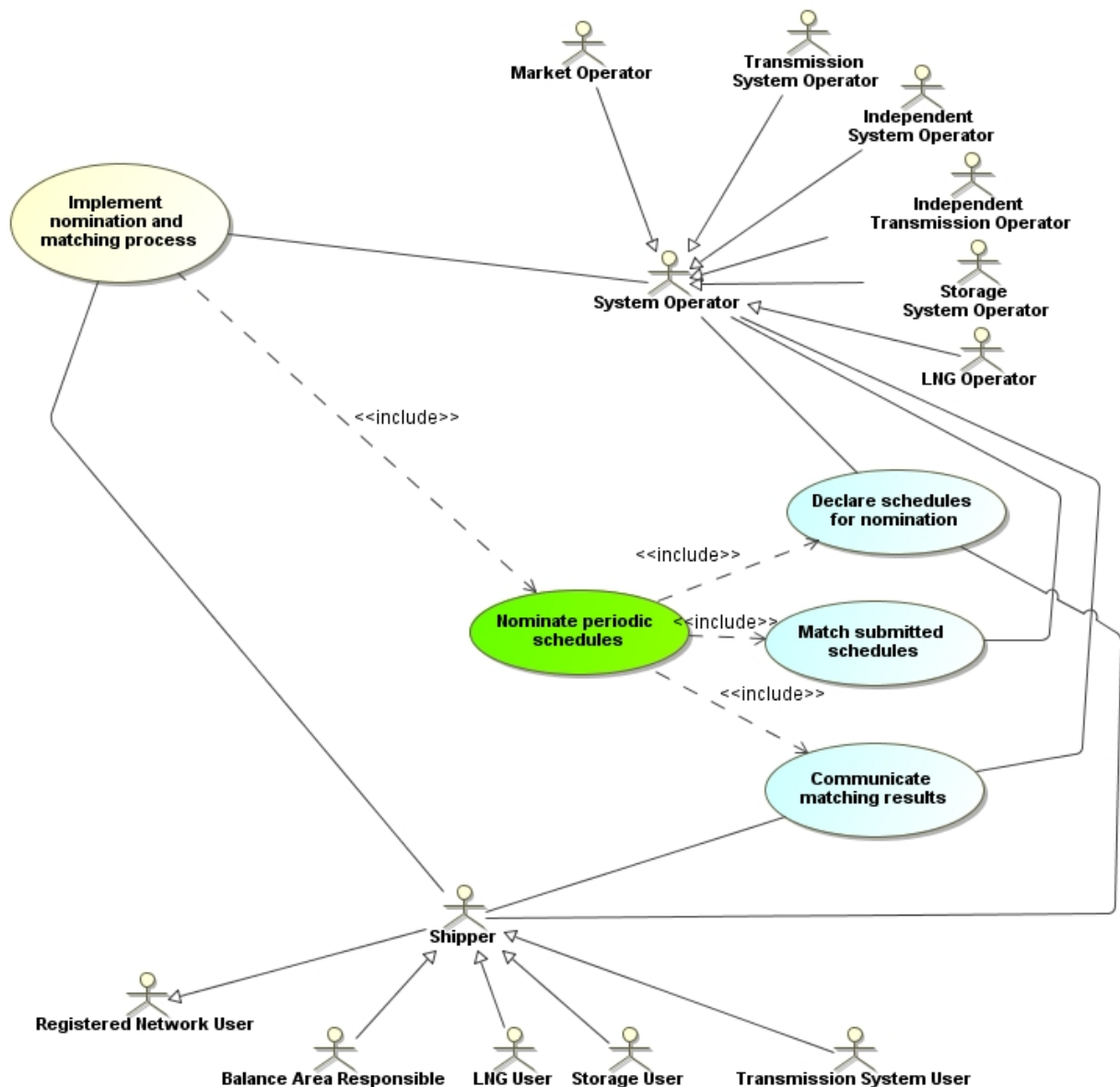
96   **FIGURE 1: THE NOMINATION AND MATCHING USE CASE**

97   The nomination and matching use case in figure 1 shows the different use cases that are possible within
98   the nomination and matching process. The nomination of periodic schedules covers the nomination of gas
99   schedules and has included within it three specific use cases:

100   a.   The declaration of schedules for nomination

101   b.   The matching of all nominated schedules

102   c.   The provision of the matching results with any rectifications that have been imposed by
103   the System Operators.

104   Many actors may be involved in the nomination and matching process. These actors have been
105   generalised into either a System Operator for the management of the network or a Shipper for the
106   various Traders that operate within the network.

107   The System Operator role covers:

108   1.   Transmission System Operator

109   2.   Independent System Operator

110   3.   Independent Transmission Operator

111   4.   Storage System Operator

112   5.   LNG Operator

113   6.   Market Operator

114   The Shipper role covers:

115   1.   Registered Network User

116   2.   Balance Area Responsible

117   3.   LNG User

118   4.   Storage User

119   5.   Transmission System User

120   ## 3   NOMINATION PROCESS

121   ### 3.1   FUNCTIONAL DEFINITION

122
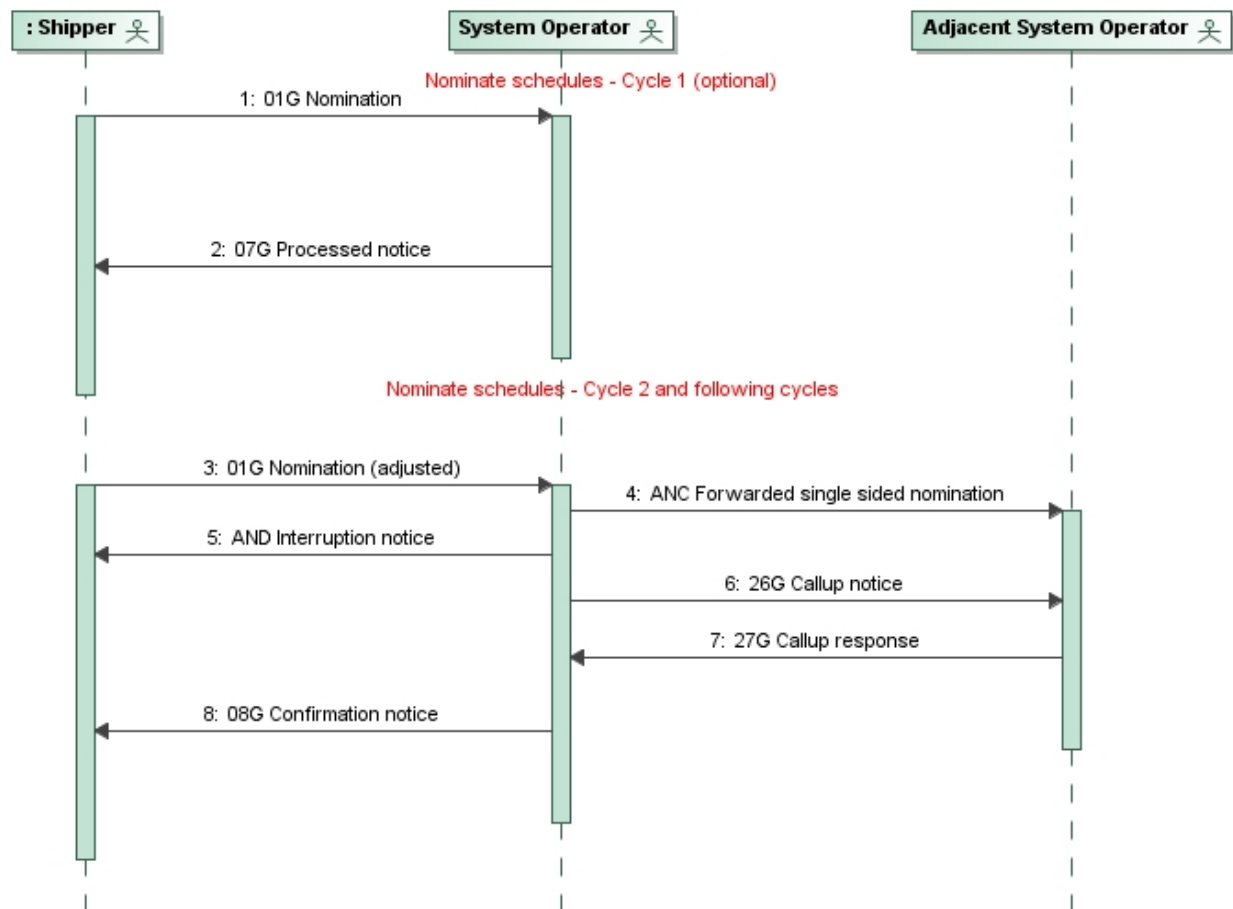
123   **FIGURE 2: NOMINATION SEQUENCE DIAGRAM**

124   There are two types of nomination:

125   1. Nominations that concern the supply of gas between two System Operator areas.

126   2. Nominations that concern the supply of gas within a System Operator area.

127   The focus of the above sequence diagram addresses specifically the first type of nomination.

128   The nomination of gas to be supplied between System Operator areas (figure 2) for a given period is
129   handled with a two cycled approach.

- In the first cycle (flows 1 and 2) the System Operators receive nominations from their Shippers (flow 1). After processing internally each System Operator informs its Shippers of the processed cross nominations (flow 2).

- In the second and following cycles (flows 3 to 8) the Shippers may rectify any anomalies in the nominations or provide modifications and resubmit them to the System Operators (flow 3). If a nomination document remains unchanged a resubmission is not necessary.

    The System Operator that receives a single sided nomination retransmits the nominations received (flow 4) to the adjacent System Operator to enable processing on the other side.

    The first time in a cycle that a System Operator has to carry out an interruption an interruption notice is sent to the Shipper for information (flow 5). The Shipper is not informed of any other interruptions that occur within the cycle.

   The System Operator will make use of the last nomination document received. The System Operators will validate the Shipper nominations for system related issues before exchanging the processed nominations (i.e. those able to flow as defined in the "Nomination and Matching CBP") with the adjacent System Operator (flows 6 and 7). Flow 7 contains the two time series one with the status 14G, processed by the SO, containing the values as processed by the matching System Operator and one time series with the status 16G providing the values that have been confirmed by the matching System Operator. The sender of flow 6 and flow 7 is defined by bilateral agreement. In the case of any anomalies the System Operators apply predefined rules to align the nominations in question. The Shippers are then informed of these finalised schedules (flow 8). Flow 8 contains three time series, one with the confirmed nomination of the Shipper (16G), and one with processed nomination by the adjacent System Operator (15G) and one with the processed nomination by the System Operator (14G).

153   It is also possible to carry out the nomination process in a single cycle approach. In this case a
154   nomination is sent by the Shipper to the System Operator as in flow 3.

155   The System Operator then transmits the complete set of nomination information to the Adjacent System
156   Operator as in flow 6.

157   The Adjacent System Operator carries out an immediate matching and transmits the results as in flow 7.

158   These results are then sent to the relevant Shippers as in flow 8.

159   In essence flows 1 and 2 are not implemented.

160   The second type of nomination (figure 3) includes two sub-types:

161   A: Nominations that concern a virtual connection point (e.g. balancing point, trading point, ...)
162   within a System Operator area.

163   B: Nominations that concern the supply of gas to an End User within a System Operator area

164
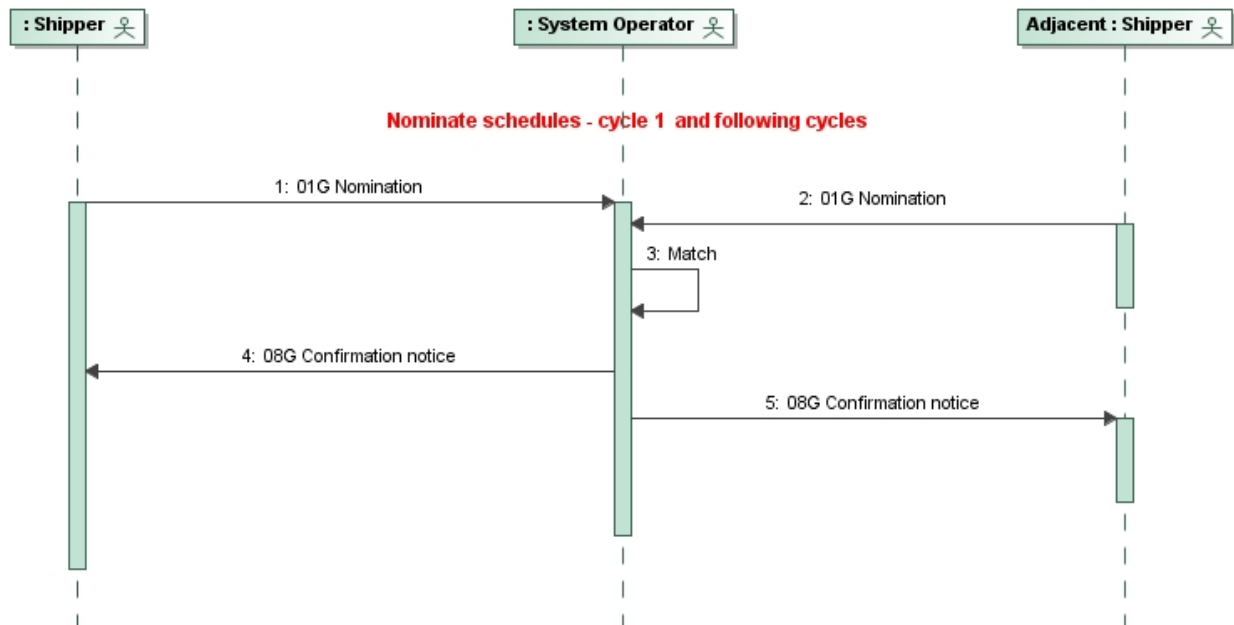
FIGURE 3: VIRTUAL CONNECTION POINT NOMINATION WITHIN A SYSTEM OPERATOR AREA

165
166

167 Figure 3 addresses specifically the first sub-type. The nomination of gas on a virtual connection point for
168 a given period is handled with a one cycled approach.

169 In the first and following cycles (flows 1 to 2) the Shippers may nominate or rectify any anomalies in the
170 nominations or provide modifications and resubmit them to the System Operator. The System Operator
171 will validate the Shipper nominations for system related issues. In the case of any anomalies the System
172 Operator applies predefined rules to align the nominations in question (flow 3). The Shippers are then
173 informed of these finalised schedules (flow 4 and 5). Flows 4 and 5 contain two time series, one with the
174 confirmed nomination (16G) and one with the processed nomination of the counter party (18G).

175
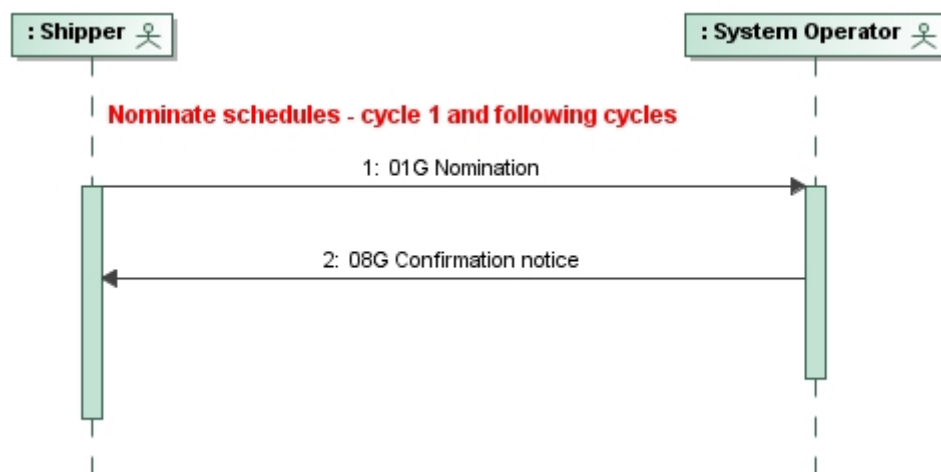
FIGURE 4: NOMINATION OF END USER SCHEDULES

176

177 Figure 4 addresses specifically the second sub-type.

178 In the first and following cycles (flows 1 to 2) the System Operator receives nominations from its
179 Shippers (flow 1). The System Operator will validate the Shipper nominations for system related issues.
180 In the case of any anomalies the System Operator applies predefined rules to align the nominations in
181 question. The Shippers are then informed of these finalised schedules (flow 2). Flow 2 contains one time
182 series: the confirmed quantities of the Shipper (16G).

183 ## 3.2 WORKFLOW
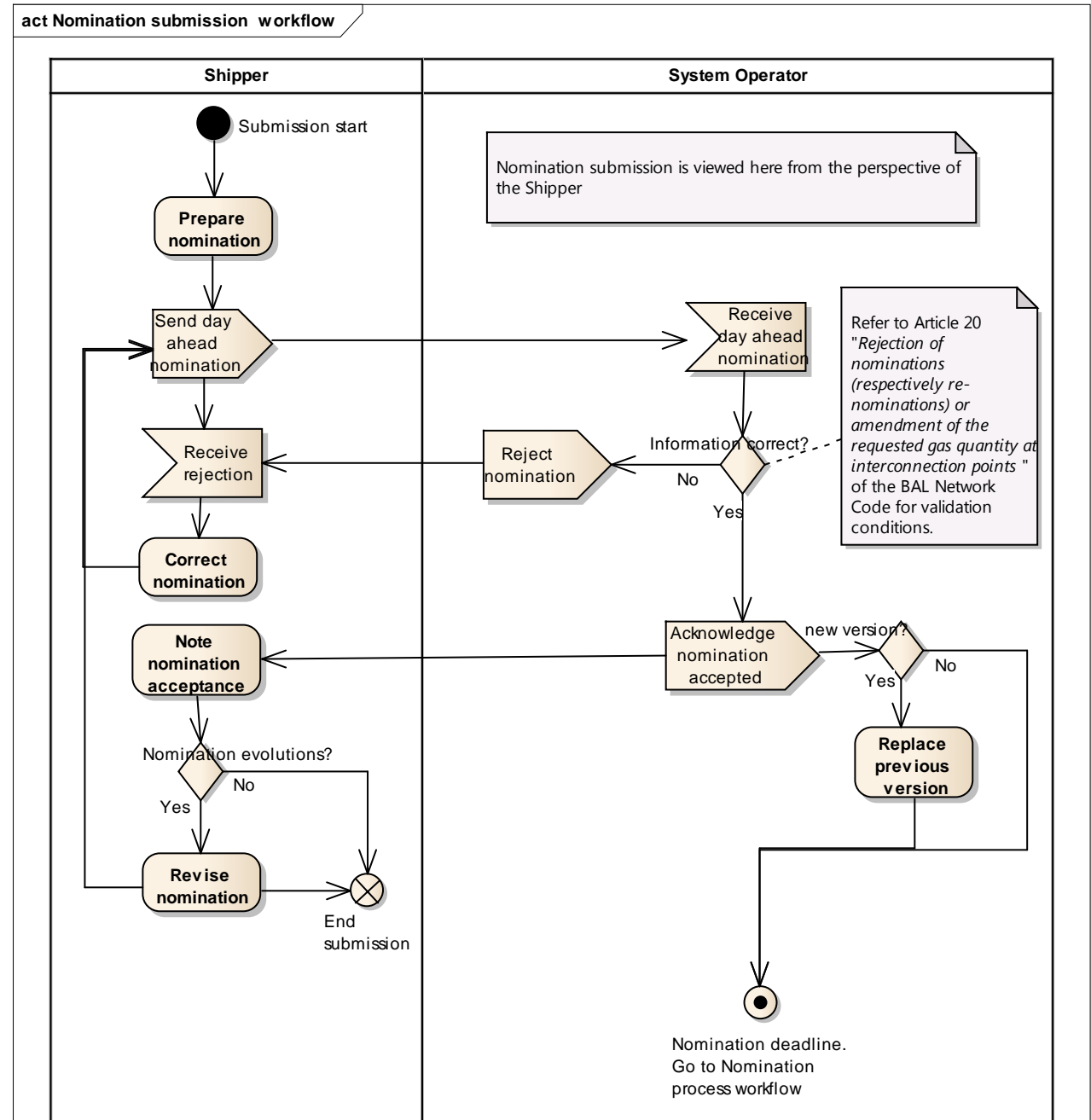
FIGURE 5: NOMINATION WORKFLOW

186 The nomination process begins with the transmission by Shippers of their nominations to their System
187 Operator.

188 If it has been agreed to acknowledge the nomination submission indicating its full or partial acceptance
189 prior to processing or eventually its rejection the nomination document is validated and the relevant
190 acknowledgement is transmitted except in the case of a transport constraint where a reduced
191 confirmation will be provided.

192
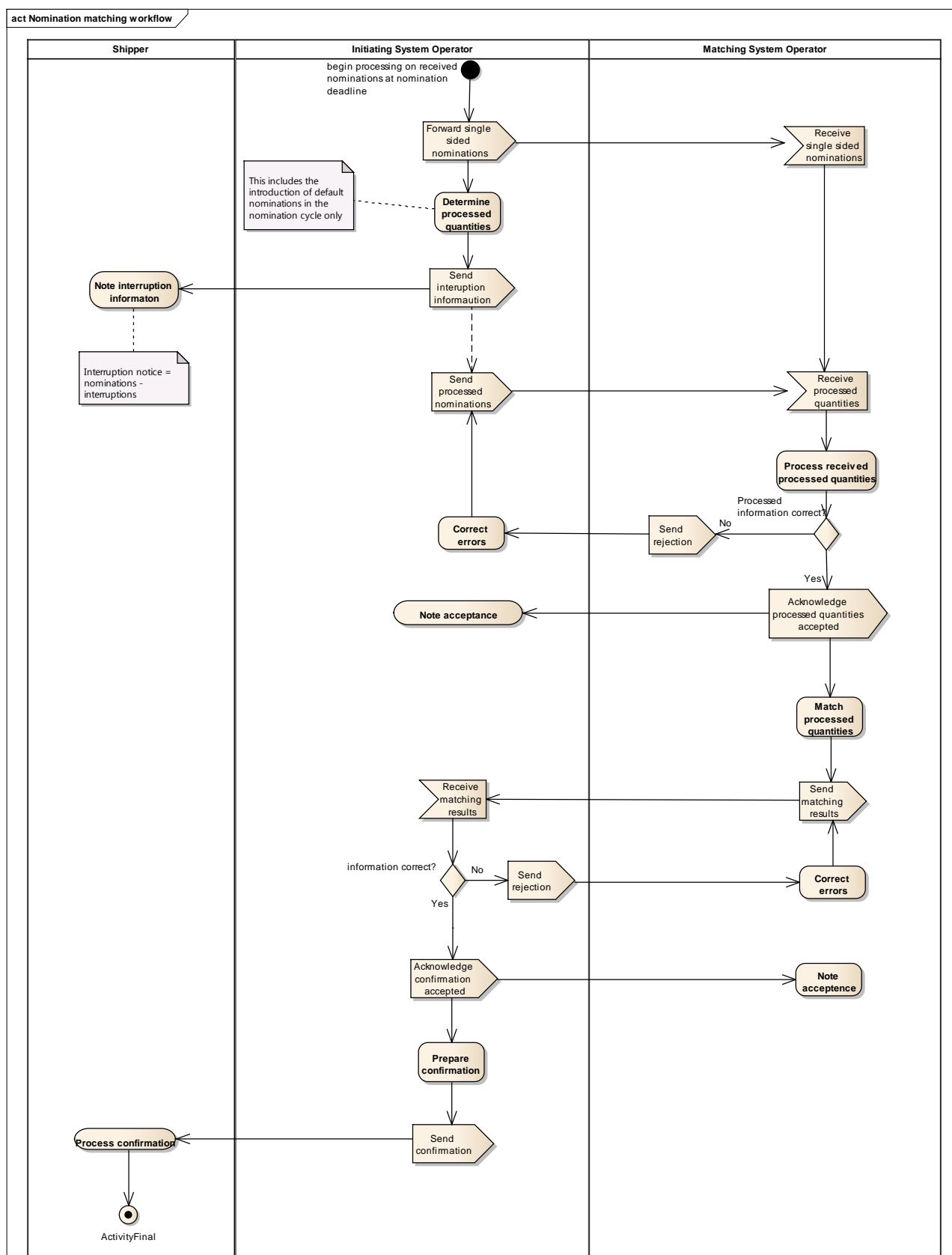
193   **FIGURE 6: TSO – TSO COMMUNICATION WORKFLOW**

194 As soon as possible after the nomination deadline, the Initiating System Operator forwards any single
195 sided nominations received to the Matching System Operator[1].

196 The Matching System Operator may validate the information received and inform the Initiating System
197 Operator of any discrepancies. In the case of errors the initiating System Operator may adjust the initial
198 acknowledgement with a new version and transmit it to the Shipper with the notified errors.

199 Both System Operators then process all the nominations per adjacent System Operator. If a System
200 Operator identifies potential interruptions an interruption notice is transmitted to the Shipper. This only
201 happens once per nomination cycle.

202 The Initiating System Operator submits the processed nominations to the Matching System Operator.

203 The following matching steps are carried out:

204   1. The nominations are matched by the Matching System Operator.

205   2. The finalised results are submitted to the Initiating System Operator in a Callup Response.

206   3. Each System Operator informs the local Shippers of the results in a Confirmation notice.

207   4. The Shipper may optionally inform their adjacent Shippers of the single sided confirmations.

---

[1] To facilitate reading of the document it is assumed that the Initiating System Operator is the only party to receive single sided nominations. In reality either System Operators or only the Matching System Operator may receive single sided nominations when bilaterally agreed.

208 ## 3.3 CONTEXTUAL MODEL FOR THE NOMINATION DOCUMENT (NOMINT)
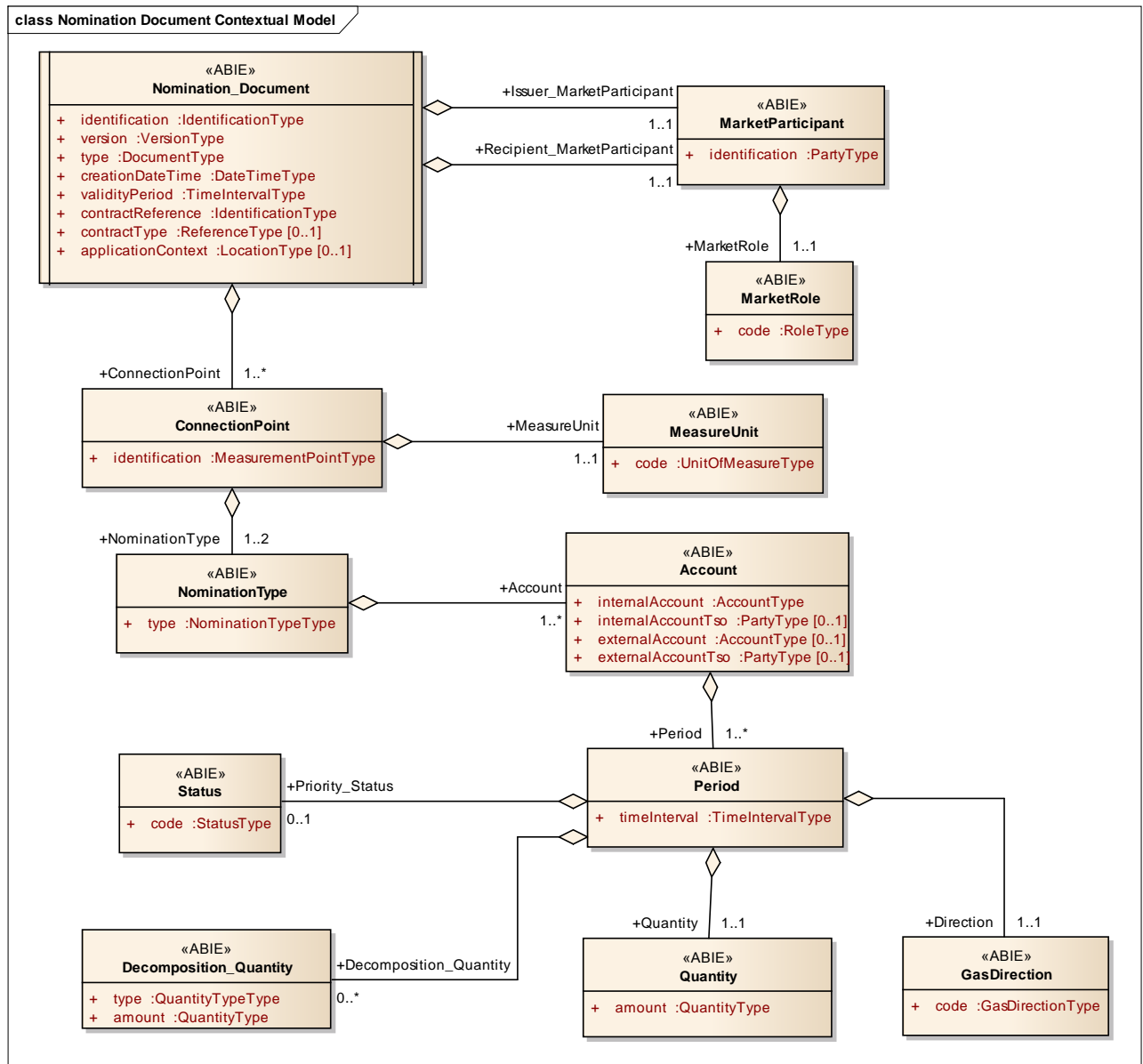
209

210 **FIGURE 7: NOMINATION DOCUMENT CONTEXTUAL MODEL**

211   **3.3.1   INFORMATION MODEL STRUCTURE**

212
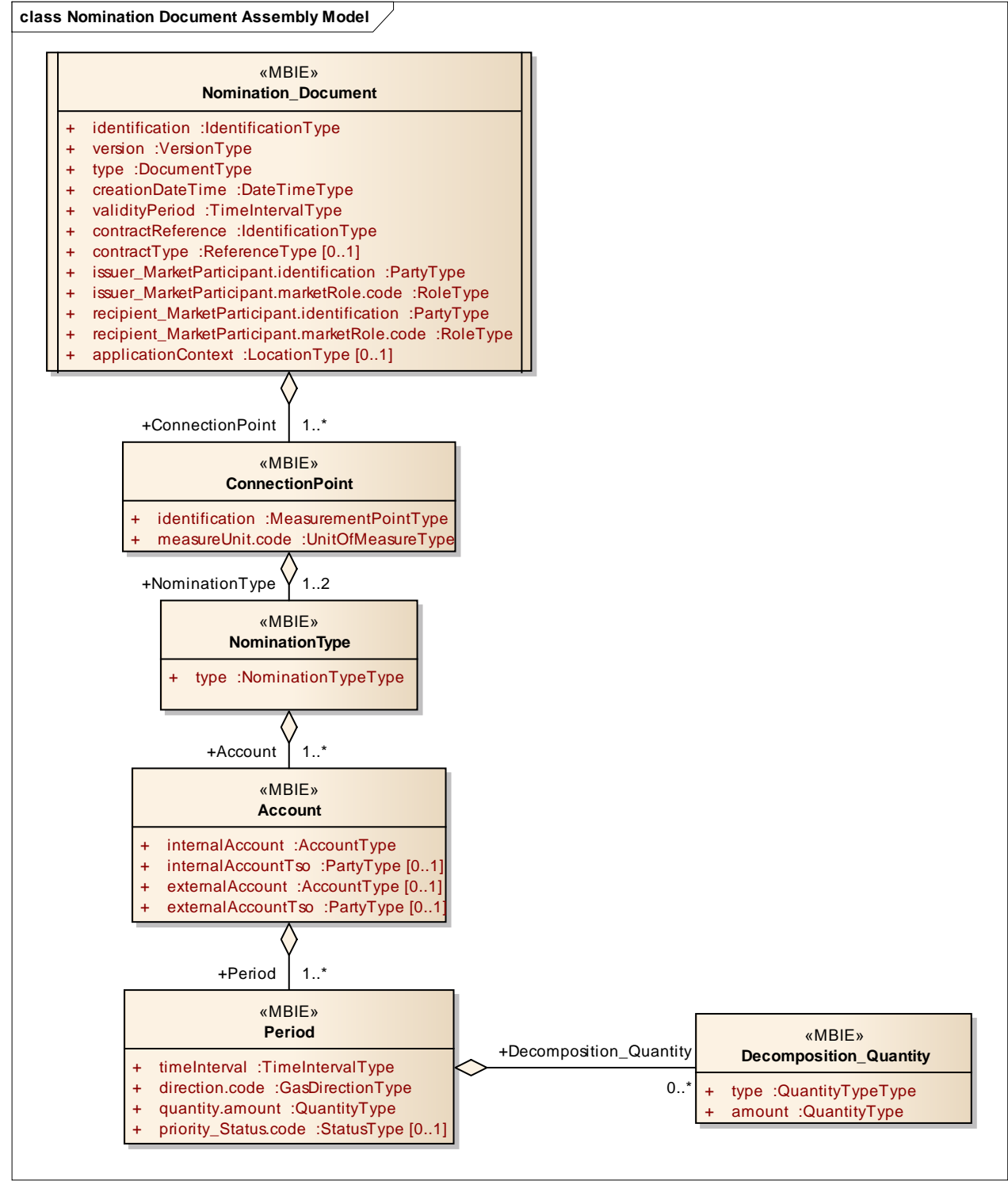
213   **FIGURE 8: NOMINATION DOCUMENT MODEL**

214   **3.3.2   INFORMATION MODEL DESCRIPTION**

215   A Nomination Document is used during the transport phase by a Shipper to send the initial nominations
216   and any rectifications after reception of the Nomination Confirmation Document following the initial
217   transmission.

218   **3.3.3   RULES GOVERNING THE NOMINATION DOCUMENT CLASS**

219   A document is uniquely identified by:
220   • The identification of the document
221   • The issuer identification
222   • The identification of the version.
223   **3.3.3.1   IDENTIFICATION**

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

224   **3.3.3.2 VERSION**

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

225   **3.3.3.3   TYPE**

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of Nomination Document that is being sent. The following types of Nomination Document are permitted: 01G = Nomination. A message used by a Shipper to nominate the quantities to be transmitted within the stated period (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

226 **3.3.3.4 CREATIONDATETIME**

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the issuer.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

227 **3.3.3.5 VALIDITYPERIOD**

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

228 **3.3.3.6 CONTRACTREFERENCE**

ACTION	DESCRIPTION
Definition of element	Reference to a contract covering the Nomination Document.
Description	The contract reference provides the contract identification relevant for the whole document.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

229 **3.3.3.7 CONTRACTTYPE**

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

230 **3.3.3.8 ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME**

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

231   **3.3.3.9   ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE**

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who has issued the document is playing.
Description	The role being played by the issuer of the document for this transmission. The following roles are permitted for this document: ZSH = Shipper ZSY = Balance Area Responsible (e.g. handles Shippers with no formal contract). (Reference Edig@s RoleType code list)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

232   **3.3.3.10 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME**

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

233   **3.3.3.11 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE**

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

234 **3.3.3.12 APPLICATIONCONTEXT – CODINGSCHEME**

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

235 **3.3.4 RULES GOVERNING THE CONNECTION POINT CLASS**

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

237 There may only be one Connection Point class for a given Connection Point Identification.

238 **3.3.4.1 IDENTIFICATION – CODINGSCHEME**

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

239 **3.3.4.2 MEASUREUNIT.CODE**

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

240 ### 3.3.5   RULES GOVERNING THE NOMINATIONTYPE CLASS

241 The Nomination Type class is used to identify if the time series is being provided as a single sided
242 nomination or a double sided nomination.
243 ### 3.3.5.1   TYPE

ACTION	DESCRIPTION
Definition of element	The identification of whether the underlying information refers to a single sided nomination or a double sided nomination.
Description	The type indicating a single sided or a double sided nomination. A01 = Single sided A02 = Double sided (Reference Edig@s NominationType code list)
Size	The maximum length of the type is 3 alphanumeric characters.
Applicability	The type is mandatory.
Dependence requirements	None.

244 ### 3.3.6   RULES GOVERNING THE ACCOUNT CLASS

245 The Account class is used to identify a Shipper pair. In the case of End User schedules, the external
246 account attribute is not used.
247 ### 3.3.6.1   INTERNALACCOUNT – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of an internal account that is defined by the recipient System Operator.
Description	The identification of an internal account that is defined by the recipient System Operator. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code or "305" for an EIC area code.
Size	The maximum length of the internal account is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the internal account and the coding scheme are mandatory.
Dependence requirements	None.

248 ### 3.3.6.2   INTERNALACCOUNTTSO – CODINGSCHEME

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

249   ### 3.3.6.3   EXTERNALACCOUNT – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the external account that is defined by the adjacent System Operator.
Description	The identification of the external account that is defined by the adjacent System Operator. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code or "305" for an EIC area code.
Size	The maximum length of the external account is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The external account is not always used in the case of End User schedules.

250   ### 3.3.6.4   EXTERNALACCOUNTTSO – CODINGSCHEME

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

251 ### 3.3.7 RULES GOVERNING THE PERIOD CLASS

252 There must always be a Period class. A time interval instance value (e.g. 2012-05-23T01:00:00Z/2012-
253 05-23T02:00:00Z) may only appear once within an Account class.

254 The Period shall cover one or multiple intervals of a whole gas day.

255 #### 3.3.7.1 TIMEINTERVAL

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the period in question.
Description	This information provides the start and end date and time of the period being reported.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

256 #### 3.3.7.2 DIRECTION.CODE

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

257 #### 3.3.7.3 QUANTITY.AMOUNT

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

258 **3.3.7.4 PRIORITY_STATUS.CODE**

ACTION	DESCRIPTION
Definition of element	The priority status of given quantity within a time interval.
Description	This information provides the priority status of the quantity for the time interval being reported. Only Interruptible Priority values as defined in the Edig@s codelist are permitted (codes from 30G on where the name corresponds to "Interruptible priority xx" where XX equals the interruptible priority number). (Reference Edig@s StatusType code list)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This is only used depending on local market rules.

259 **3.3.8 RULES GOVERNING THE DECOMPOSITION_QUANTITY CLASS**

260 A Decomposition_Quantity class is only used whenever the quantities nominated have to be distributed
261 by type of contract to which they are being nominated. This is used only in the case where local market
262 rules require it and is restricted to LNG Connection Points.

263 The sum of the quantities in the Decomposition_Quantity class instances must correspond to the total
264 quantity that is being nominated in the Period class.

265 The unit of measure must be identical to the unit of measure identified in the Connection Point class.

266 The direction must be identical to the direction identified in the Period class.

267 **3.3.8.1 TYPE**

ACTION	DESCRIPTION
Definition of element	The type of the contract that the quantity is being nominated from.
Description	This information provides the type of the contract that the quantity is being extracted from. The current types permitted for this code are: ZXD = Firm ZXE = Makeup ZXF = Interruptible ZXG = Conditional (Reference Edig@s QuantityTypeType code list)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

268 **3.3.8.2 AMOUNT**

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

3.4   CONTEXTUAL MODEL FOR DELIVERY ORDER DOCUMENT (DELORD)

269

270
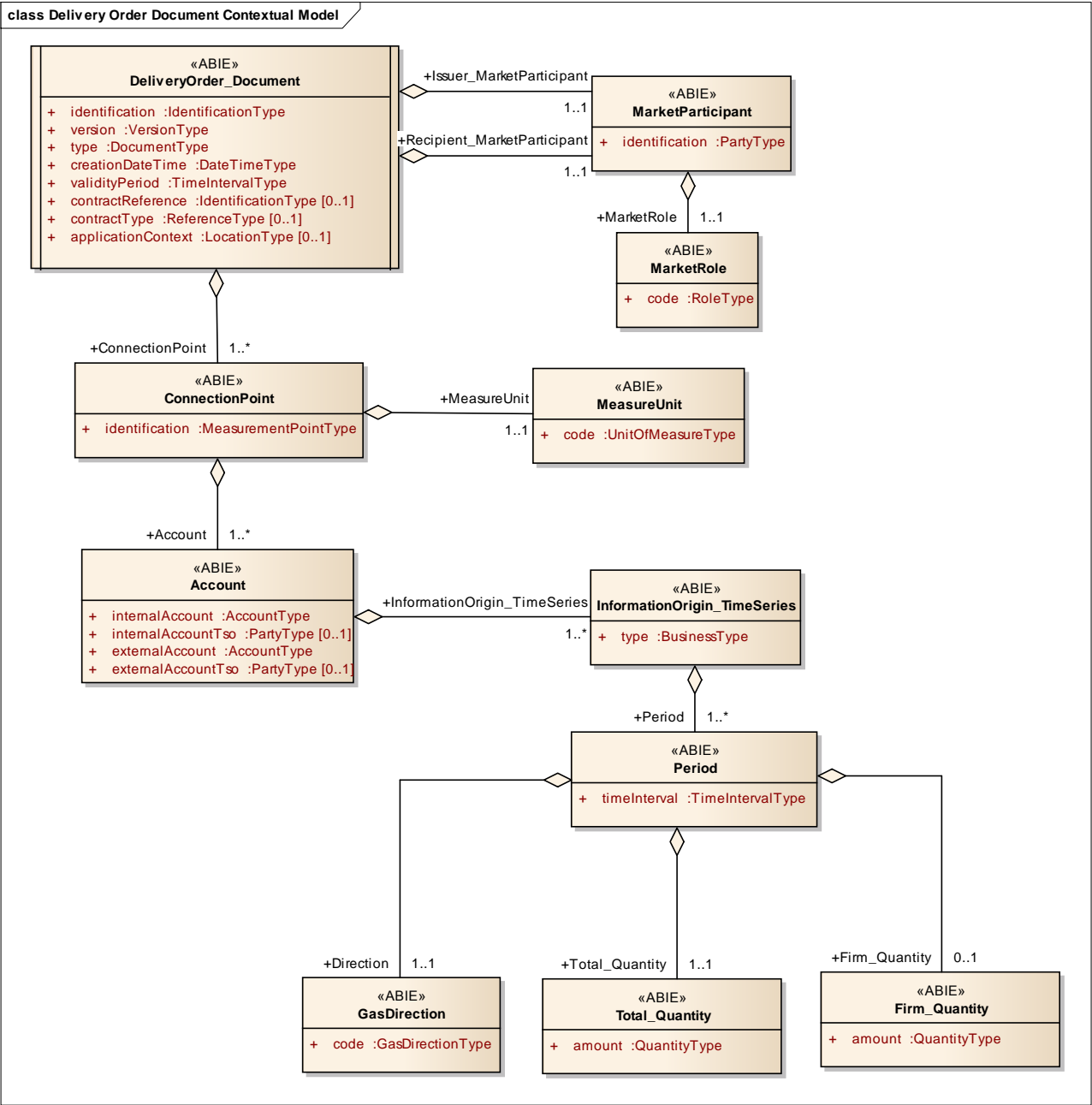
FIGURE 9: DELIVERY ORDER DOCUMENTCONTEXTUAL MODEL

271

272

273   **3.4.1   INFORMATION MODEL STRUCTURE**
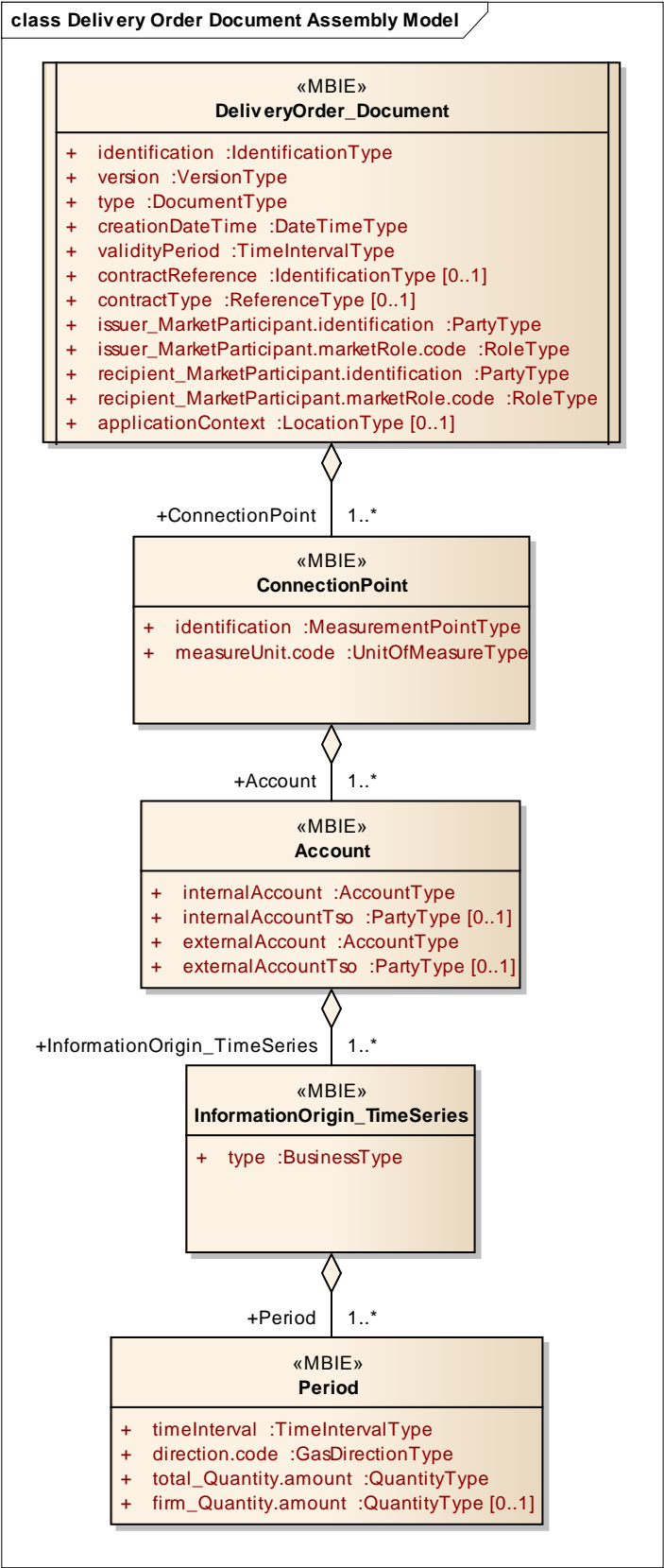
274

275   **FIGURE 10: DELIVERY ORDER DOCUMENT MODEL**

276 **3.4.2 INFORMATION MODEL DESCRIPTION**

277 A Delivery Order Document is used by coordinating System Operators to exchange Shipper nomination
278 information.

279 **3.4.3 RULES GOVERNING THE DELIVERY ORDER DOCUMENT CLASS**

280 A document is uniquely identified by:
281 • The identification of the document
282 • The issuer identification
283 • The identification of the version.

284 **3.4.3.1 IDENTIFICATION**

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

285 **3.4.3.2 VERSION**

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

286 **3.4.3.3 TYPE**

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of Delivery Order Document that is being sent. The following types of Delivery Order Document are permitted: 26G = Callup notice. A message to indicate the quantities that the System Operator is able to transmit or process (a DELRES message is expected from the corresponding System Operator). ANC = Forwarded single sided nomination. A message to provide single sided nomination information to an adjacent System Operator. (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

287 **3.4.3.4   CREATIONDATETIME**

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the issuer.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

288 **3.4.3.5   VALIDITYPERIOD**

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

289 **3.4.3.6   CONTRACTREFERENCE**

ACTION	DESCRIPTION
Definition of element	Identification of the contract reference that governs the documents contains.
Description	The contract reference identifies the interconnection agreement under which the conditions of the content and transmission of the document have been agreed.
Size	The maximum length of the contract reference identification is 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is dependent on mutual agreement between the involved parties.

290 **3.4.3.7   CONTRACTTYPE**

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

291 **3.4.3.8   ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME**

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

292 **3.4.3.9 ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE**

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

293 **3.4.3.10 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME**

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

294 **3.4.3.11 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE**

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

295 **3.4.3.12 APPLICATIONCONTEXT – CODINGSCHEME**

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

296   **3.4.4   RULES GOVERNING THE CONNECTION POINT CLASS**

297   There may be one to many connection points in a Delivery Order Document.

298   **3.4.4.1   IDENTIFICATION – CODINGSCHEME**

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

299   **3.4.4.2   MEASUREUNIT.CODE**

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

300   **3.4.5   RULES GOVERNING THE ACCOUNT CLASS**

301   The Account class is used to identify the shipper pair relative to the nomination.

302   **3.4.5.1   INTERNALACCOUNT – CODINGSCHEME**

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

303 **3.4.5.2 INTERNALACCOUNTTSO – CODINGSCHEME**

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

304 **3.4.5.3 EXTERNALACCOUNT – CODINGSCHEME**

ACTION	DESCRIPTION
Definition of element	The identification of the external account that is defined by the adjacent System Operator.
Description	The identification of the external account that is defined by the adjacent System Operator that has been used in the nomination. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code or "305" for an EIC area code.
Size	The maximum length of the external account is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the external account and the coding scheme are mandatory.
Dependence requirements	None.

305 **3.4.5.4 EXTERNALACCOUNTTSO – CODINGSCHEME**

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

306 **3.4.6   RULES GOVERNING THE INFORMATION ORIGIN TIMESERIES CLASS**

307 There must always be an Information Origin TimeSeries class.
308 **3.4.6.1   TYPE**

ACTION	DESCRIPTION
Definition of element	The identification of the origin of the information in the time series

Description	The identification of the source of the information that is provided in the Period class and its dependents.
	The following types are permitted:
	12G = Accepted by System Operator
	14G = Processed by System Operator
	Note:
	    14G is mandatory in the Callup notice.
	    12G is mandatory in the Forwarded single sided nomination.
	    12G is used in the Callup notice when initial nomination values are required to satisfy specific market rules.
	(Reference Edig@s BusinessType code list).

Size	The maximum length of the type is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

309 **3.4.7   RULES GOVERNING THE PERIOD CLASS**

310 There must always be a Period class. A time interval instance value (e.g. 2012-05-23T01:00:00Z/2012-
311 05-23T02:00:00Z) may only appear once within an Account class.
312 The Period shall cover one or multiple intervals of a whole gas day.
313 **3.4.7.1   TIMEINTERVAL**

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the period in question.
Description	This information provides the start and end date and time of the period being reported.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

314 **3.4.7.2 DIRECTION.CODE**

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

315 **3.4.7.3 TOTAL_QUANTITY.AMOUNT**

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

316 **3.4.7.4 FIRM_QUANTITY.AMOUNT**

ACTION	DESCRIPTION
Definition of element	The firm processed quantity for the connection point within the time interval in question.
Description	This information defines the firm processed quantity for the connection point within the time interval period. This represents a part of the total quantity. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period ("."). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This attribute may only be used in the case of an information origin "14G" and where specific capacity allocation rules require this information.

317
318

3.5 CONTEXTUAL MODEL FOR THE DELIVERY RESPONSE DOCUMENT (DELRES)

319

320
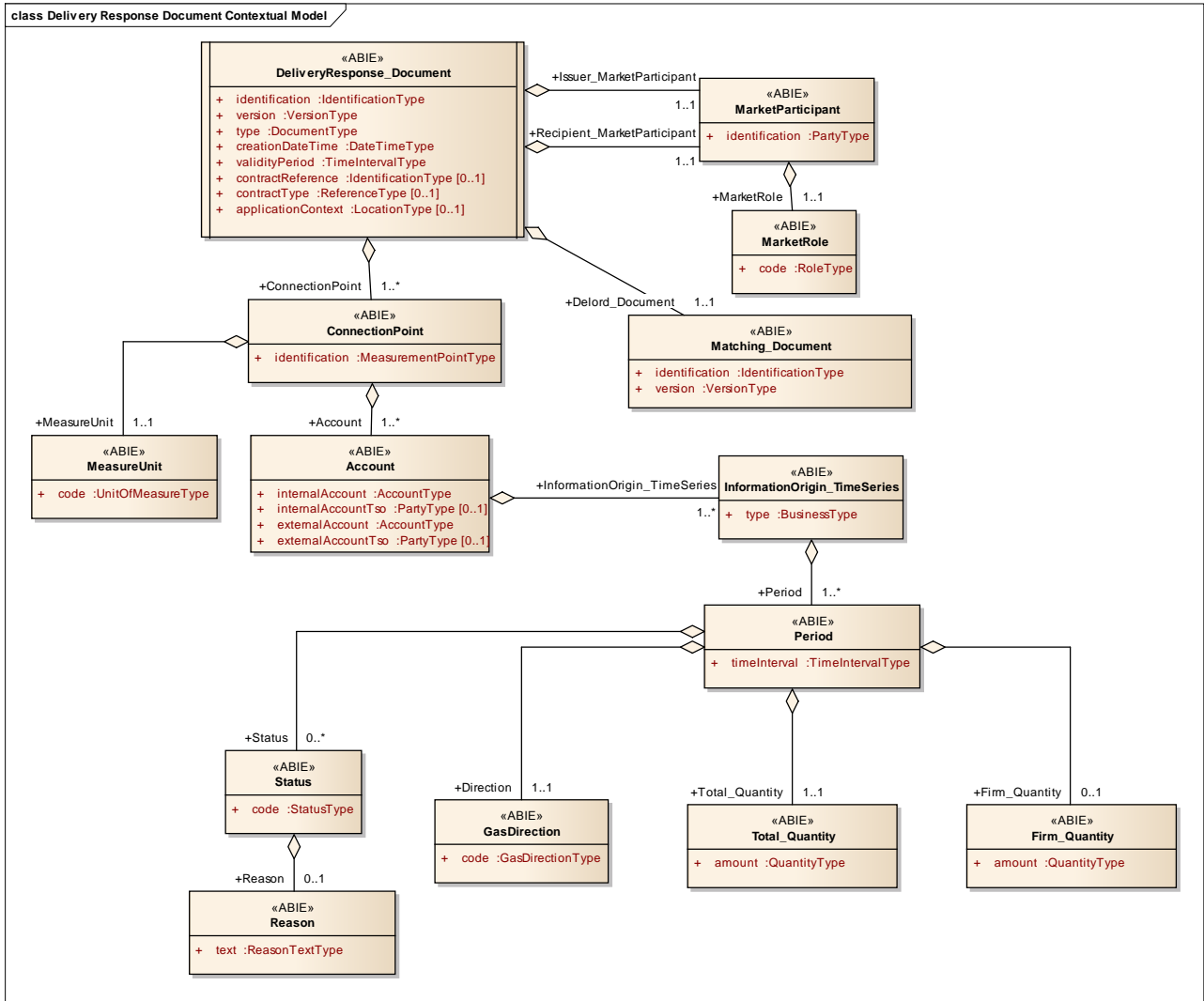
FIGURE 11: DELIVERY RESPONSE DOCUMENT CONTEXTUAL MODEL

321 **3.5.1 INFORMATION MODEL STRUCTURE**

class Delivery Response Document Assembly Model

«MBIE»
DeliveryResponse_Document

+ identification :IdentificationType
+ version :VersionType
+ type :DocumentType
+ creationDateTime :DateTimeType
+ validityPeriod :TimeIntervalType
+ contractReference :IdentificationType [0..1]
+ contractType :ReferenceType [0..1]
+ issuer_MarketParticipant.identification :PartyType
+ issuer_MarketParticipant.marketRole.code :RoleType
+ recipient_MarketParticipant.identification :PartyType
+ recipient_MarketParticipant.marketRole.code :RoleType
+ applicationContext :LocationType [0..1]
+ delord_Document.identification :IdentificationType
+ delord_Document.version :VersionType

+ConnectionPoint   1..*

«MBIE»
ConnectionPoint

+ identification :MeasurementPointType
+ measureUnit.code :UnitOfMeasureType

+Account   1..*

«MBIE»
Account

+ internalAccount :AccountType
+ internalAccountTso :PartyType [0..1]
+ externalAccount :AccountType
+ externalAccountTso :PartyType [0..1]

+InformationOrigin_TimeSeries   1..*

«MBIE»
InformationOrigin_TimeSeries

+ type :BusinessType

+Period   1..*

«MBIE»
Period

+ timeInterval :TimeIntervalType
+ direction.code :GasDirectionType
+ total_Quantity.amount :QuantityType
+ firm_Quantity.amount :QuantityType [0..1]

+Status   0..*

«MBIE»
Status

+ code :StatusType
+ reason.text :ReasonTextType [0..1]

322

323   **FIGURE 12: DELIVERY RESPONSE DOCUMENT MODEL**

324 **3.5.2 INFORMATION MODEL DESCRIPTION**

325 A Delivery Response Document is used by a System Operator to send a Delivery Order Response
326 Document to a System Operator in reply to a System Operator Delivery Order Callup notice Document.

327 **3.5.3 RULES GOVERNING THE DELIVERY RESPONSE DOCUMENT CLASS**

328 A document is uniquely identified by:
329 • The identification of the document
330 • The issuer identification
331 • The identification of the version.

332 **3.5.3.1 IDENTIFICATION**

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

333 **3.5.3.2 VERSION**

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

334 **3.5.3.3 TYPE**

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of Delivery Response Document that is being sent. The following type of Delivery Response Document is permitted: 27G = Callup response: A message used by a matching System Operator to inform the adjacent System Operator of the Shipper nominated values matching results. (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

335   **3.5.3.4   CREATIONDATETIME**

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the issuer.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

336   **3.5.3.5   VALIDITYPERIOD**

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

337   **3.5.3.6   CONTRACTREFERENCE**

ACTION	DESCRIPTION
Definition of element	Identification of the contract reference that governs the documents contains.
Description	The contract reference identifies the interconnection agreement under which the conditions of the content and transmission of the document have been agreed.
Size	The maximum length of the contract reference identification is 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided if it is provided in the related Delivery Order Document.

338   **3.5.3.7   CONTRACTTYPE**

ACTION	DESCRIPTION
Definition of element	Identification of the type of contract covering the document.
Description	The contract type identifies the nature of the contract defined in the document. Refer to the Edigas ReferenceType codelist for the list of valid codes.
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided if it is provided in the related Delivery Order Document.

339   **3.5.3.8   ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME**

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

340   **3.5.3.9   ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE**

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

341   **3.5.3.10   RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME**

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

342   **3.5.3.11   RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE**

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

343 **3.5.3.12 APPLICATIONCONTEXT – CODINGSCHEME**

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

344 **3.5.3.13 DELORD_DOCUMENT.IDENTIFICATION**

ACTION	DESCRIPTION
Definition of element	The identification of the Delivery Order Document sent by the recipient.
Description	A Delivery Order Document must have been previously sent by the recipient. If no electronic XML document is used then the DelordIdentification shall contain the word "DEFAULT"
Size	The identification of a Delivery Order Response Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

345 **3.5.3.14 DELORD_DOCUMENT.VERSION**

ACTION	DESCRIPTION
Definition of element	The version of the Delivery Order Document sent by the recipient.
Description	The version of the Delivery Order Document sent by the recipient. If no electronic XML document is used then the DelordVersion shall contain the number "1"
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

346 **3.5.4 RULES GOVERNING THE CONNECTION POINT CLASS**

347 There may be one to many connection points in a Delivery Response Document.

348 **3.5.4.1 IDENTIFICATION – CODINGSCHEME**

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

349 **3.5.4.2 MEASUREUNIT.CODE**

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

350 **3.5.5 RULES GOVERNING THE ACCOUNT CLASS**

351 The Account class is used to identify the shipper pair relative to the nomination.

352 **3.5.5.1 INTERNALACCOUNT – CODINGSCHEME**

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

353 **3.5.5.2 INTERNALACCOUNTTSO – CODINGSCHEME**

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

354 **3.5.5.3 EXTERNALACCOUNT – CODINGSCHEME**

ACTION	DESCRIPTION
Definition of element	The identification of the external account that is defined by the adjacent System Operator.
Description	The identification of the external account that is defined by the adjacent System Operator that has been used in the nomination. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code or "305" for an EIC area code.
Size	The maximum length of the external account is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the external account and the coding scheme are mandatory.
Dependence requirements	None.

355 **3.5.5.4 EXTERNALACCOUNTTSO – CODINGSCHEME**

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

356 **3.5.6 RULES GOVERNING THE INFORMATION ORIGIN TIMESERIES CLASS**

357 There must always be an Information Origin TimeSeries class.

358 **3.5.6.1 TYPE**

ACTION	DESCRIPTION
Definition of element	The identification of the origin of the information in the time series

Description	The identification of the source of the information that is provided in the Period class and its dependents.
	The following Types are permitted:
	12G = Accepted by System Operator
	14G = Processed by System Operator
	16G = Confirmed
	Note:
	    14G and 16G are mandatory in the Callup response.
	    12G is used only when initial nomination values are required
	    to satisfy specific market rules.
	(Reference Edig@s BusinessType code list).

Size	The maximum length of the account type is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

359 **3.5.7 RULES GOVERNING THE PERIOD CLASS**

360 There must always be a Period class. A time interval instance value (e.g. 2012-05-23T01:00:00Z/2012-
361 05-23T02:00:00Z) may only appear once within an Information Origin class.

362 The Period shall cover one or multiple intervals of a whole gas day.

363 **3.5.7.1 TIMEINTERVAL**

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the period in question.
Description	This information provides the start and end date and time of the period being reported.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

364 **3.5.7.2 DIRECTION.CODE**

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

365   **3.5.7.3   TOTAL_QUANTITY.AMOUNT**

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

366   **3.5.7.4   FIRM_QUANTITY.AMOUNT**

ACTION	DESCRIPTION
Definition of element	The firm processed quantity for the connection point within the time interval in question.
Description	This information defines the firm processed quantity for the connection point within the time interval period. This represents a part of the total quantity. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period ("."). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This attribute may only be used in the case of an information origin "14G" and where specific capacity allocation rules require this information.

367 **3.5.8   RULES GOVERNING THE STATUS CLASS**

368 The Status class may be used to provide additional information provided by the System Operator.

369 **3.5.8.1   CODE**

ACTION	DESCRIPTION
Definition of element	The status of given quantity within a time interval.
Description	This information provides status of the quantity for the being reported. Only one of the following status values are permitted: 06G = Mismatch. A mismatch is the result of the application of a matching rule to unequal nominated quantities. 07G = Interrupted. The value is decreased down to the interruptible capacity limit. 08G = Interrupted firm. The value is decreased down to the firm interruptible capacity in the case where no interruptible capacity remains. 09G = Quality deficient. The value is decreased due to the deficient quality of gas 10G = Reduced capacity. Confirmed capacity being less than the default capacity due to constraints or maintenance 35G = Counter party prevailed 36G = No match counter party prevailed 56G = Increased nominated capacity (Reference Edig@s StatusType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

370 **3.5.8.2   REASON.TEXT**

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

371   ## 3.6   CONTEXTUAL MODEL FOR NOMINATION RESPONSE DOCUMENT
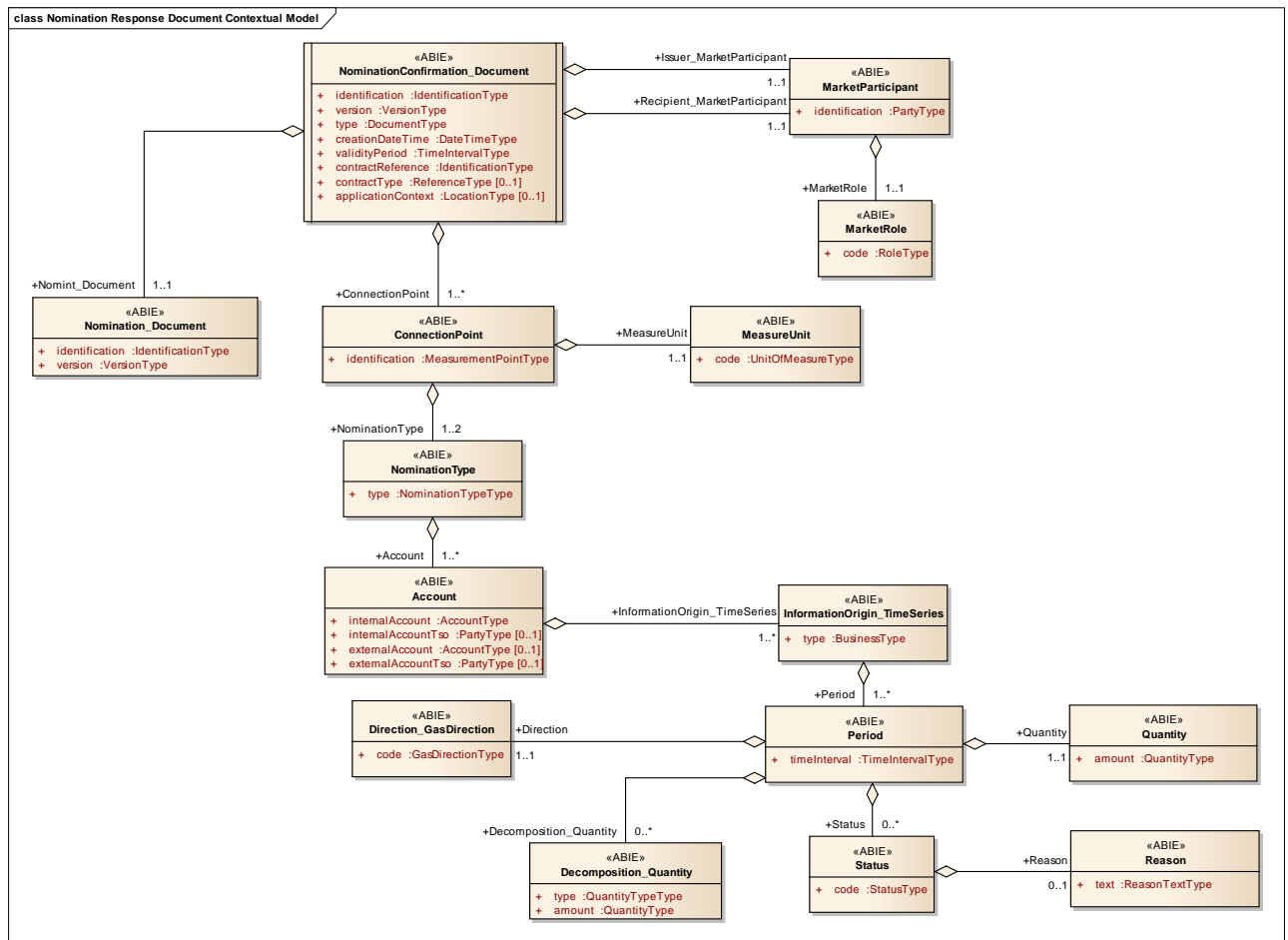372   ##   (NOMRES)

373

374

375   **FIGURE 13: NOMINATION RESPONSE DOCUMENT CONTEXTUAL MODEL**

376 ### 3.6.1   INFORMATION MODEL STRUCTURE
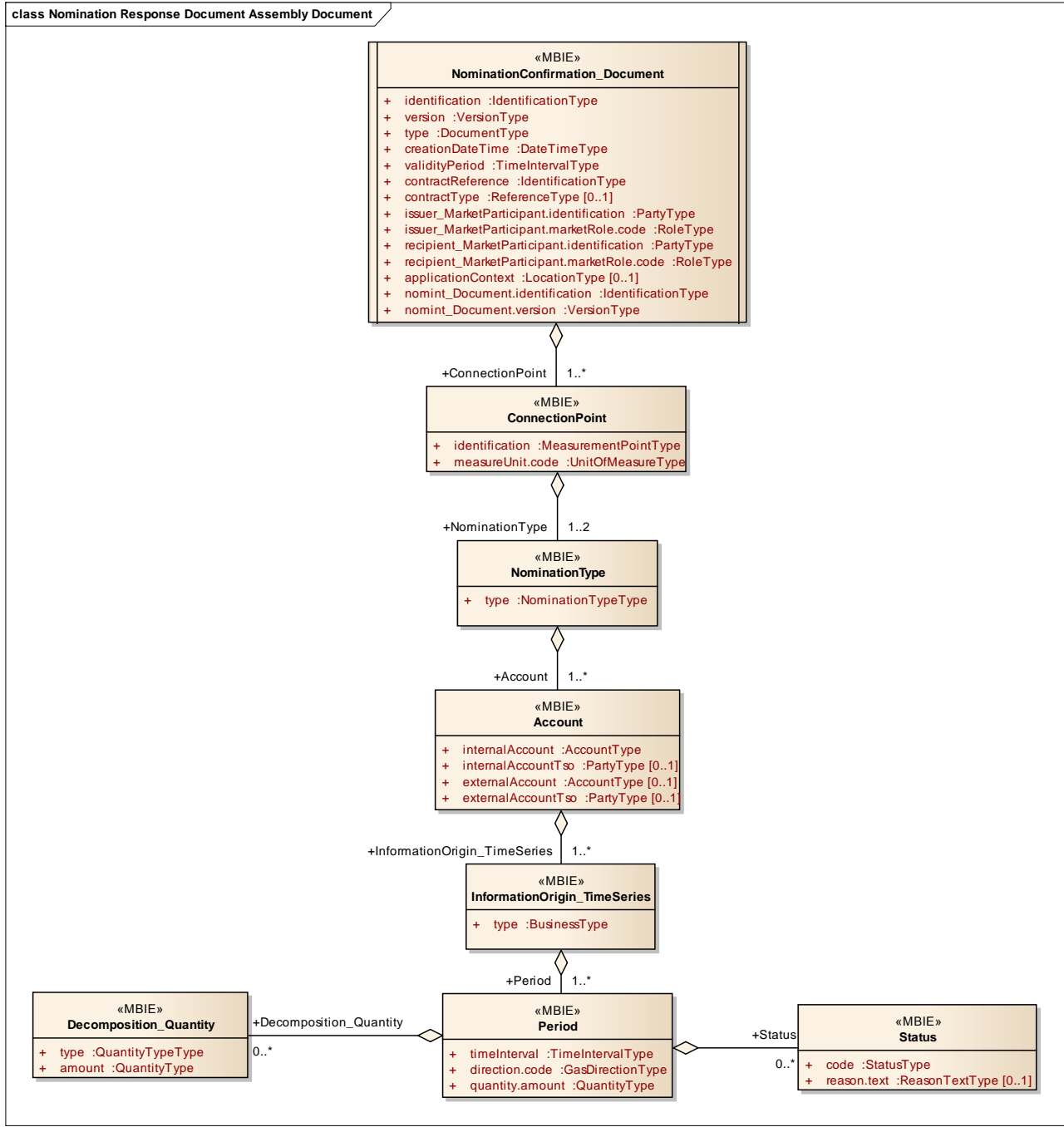
377

378

379 **FIGURE 14: NOMINATION RESPONSE DOCUMENT MODEL**

380   **3.6.2   INFORMATION MODEL DESCRIPTION**

381   A Nomination Response Document is used to send a nomination response and occasionally interruption
382   information to a Shipper in reply to a Shipper nomination.

383   **3.6.3   RULES GOVERNING THE NOMINATION RESPONSE DOCUMENT CLASS**

384   A document is uniquely identified by:
385   •   The identification of the document
386   •   The issuer identification
387   •   The identification of the version.
388   **3.6.3.1   IDENTIFICATION**

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

389   **3.6.3.2   VERSION**

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

390   **3.6.3.3   TYPE**

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of Nomination Response Document that is being sent. The following types of Nomination Response Document are permitted: 07G = Processed notice: Message sent by a System Operator to communicate to the Shipper his processed nomination . 08G = Confirmation notice: Message sent by a System Operator to confirm the quantity that may be transmitted and to inform about the quantity processed by the counter System Operator. AND = Interruption notice. A notice informing a Shipper of a possible interruption to the quantities nominated. (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

391   **3.6.3.4   CREATIONDATETIME**

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the issuer.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

392   **3.6.3.5   VALIDITYPERIOD**

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

393   **3.6.3.6   CONTRACTREFERENCE**

ACTION	DESCRIPTION
Definition of element	Reference to a contract covering the Nomination Response Document.
Description	The contract reference provides the identification of the contract relevant to the whole document.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

394   **3.6.3.7 CONTRACTTYPE**

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

395   **3.6.3.8   ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME**

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

396 **3.6.3.9 ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE**

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

397 **3.6.3.10 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME**

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

398 **3.6.3.11 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE**

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who receives the document is playing.
Description	The role being played by the recipient of the document for this transmission. The following roles are permitted for this document: ZSH = Shipper ZSY = Balance Area Responsible (e.g. handles Shippers with no formal contract). (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

399 **3.6.3.12 APPLICATIONCONTEXT – CODINGSCHEME**

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

400 **3.6.3.13 NOMINT_DOCUMENT.IDENTIFICATION**

ACTION	DESCRIPTION
Definition of element	The identification of the Nomination Document concerned by the Nomination Response Document.
Description	A Nomination Document must have been previously sent by the recipient of the Nomination Response Document. If no electronic XML document is used then the NomintIdentification shall only contain the word "DEFAULT".
Size	The identification may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

401 **3.6.3.14 NOMINT_DOCUMENT.VERSION**

ACTION	DESCRIPTION
Definition of element	Version of the Nomination Document concerned by the Nomination Response Document.
Description	The Nomination Version must correspond to the version of the Nomination Document previously sent by the recipient. If no electronic XML document is used then the NomintVersion shall contain the number "1" and successive numbers if necessary.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

402 **3.6.4 RULES GOVERNING THE CONNECTION POINT CLASS**

403 There may be one to many connection points in a Nomination Response Document corresponding to the
404 connection points previously defined in a Nomination Document.

405 **3.6.4.1 IDENTIFICATION – CODINGSCHEME**

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

406 **3.6.4.2 MEASUREUNIT.CODE**

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

407   **3.6.5   RULES GOVERNING THE NOMINATIONTYPE CLASS**

408   The Nomination Type class is used to identify if the time series is being provided as a single sided
409   nomination or a double sided nomination.

410   **3.6.5.1   TYPE**

ACTION	DESCRIPTION
Definition of element	The identification of whether the underlying information refers to a single sided nomination or a double sided nomination.
Description	The type indicating a single sided or a double sided nomination. A01 = Single sided A02 = Double sided (Reference Edig@s NominationType code list).
Size	The maximum length of the type is 3 alphanumeric characters.
Applicability	The type is mandatory.
Dependence requirements	None.

411   **3.6.6   RULES GOVERNING THE ACCOUNT CLASS**

412   The Account class is used to identify a Shipper pair. In the case of End User schedules the external
413   account attribute is not used.

414   **3.6.6.1   INTERNALACCOUNT – CODINGSCHEME**

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

415   **3.6.6.2   INTERNALACCOUNTTSO – CODINGSCHEME**

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

416 **3.6.6.3 EXTERNALACCOUNT – CODINGSCHEME**

ACTION	DESCRIPTION
Definition of element	The identification of an account that is defined by the adjacent System Operator.
Description	The identification of an account that is defined by the adjacent System Operator. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code or "305" for an EIC area code.
Size	The maximum length of the external account is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The external account is not always used in the case of End User schedules.

417 **3.6.6.4 EXTERNALACCOUNTTSO – CODINGSCHEME**

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

418   **3.6.7   RULES GOVERNING THE INFORMATION ORIGIN TIMESERIES CLASS**

419   There must always be an Information Origin timeseries class.

420   **3.6.7.1   TYPE**

ACTION	DESCRIPTION
Definition of element	The identification of the origin of the information in the time series

Description	The identification of the source of the information that is provided in the Period class and its dependents
	The following Types are permitted:
	14G = Processed by System Operator
	15G = Processed by adjacent System Operator
	16G = Confirmed
	18G = Nominated by counter party
	Note:
	In the System Operator to System Operator context:
	    14G is mandatory in the Processed notice
	    14G, 15G and 16G are mandatory in the Confirmation notice.
	    18G is optional in the Confirmation notice.
	    14G is mandatory in the Interruption notice.
	In the Virtual Connection Point nomination within a System Operator area context:
	    16G and 18G are mandatory in Confirmation Notice (18G represents the virtual connection point nomination)
	In the nomination of end user schedules context:
	    16G is mandatory in Confirmation Notice (15G is not allowed)
	(Reference Edig@s BusinessType code list).

Size	The maximum length of the type is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

421   **3.6.8   RULES GOVERNING THE PERIOD CLASS**

422   There must always be a Period class. A time interval instance value (e.g. 2012-05-23T01:00:00Z/2012-
423   05-23T02:00:00Z) may only appear once within an Account class.

424   The Period shall cover one or multiple intervals of a whole gas day.

425   **3.6.8.1   TIMEINTERVAL**

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the period in question.
Description	This information provides the start and end date and time of the period being reported.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

426 **3.6.8.2   DIRECTION.CODE**

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

427 **3.6.8.3   QUANTITY.AMOUNT**

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

428 **3.6.9   RULES GOVERNING THE STATUS CLASS**

429 The presence of a Status class is dependent on the information requirements which are determined by
430 local market rules.

431 **3.6.9.1   CODE**

ACTION	DESCRIPTION
Definition of element	The status of given quantity within a time interval.
Description	This information provides the status of the quantity for the time interval being reported. Only one of the following status values are permitted: 06G = Mismatch. 07G = Interrupted. 08G = Interrupted firm. 09G = Quality deficient. 10G = Reduced capacity. 11G = Below 100%. 12G = Settled. 13G = Unchanged settled. 14G = No counter nomination. 35G = Counter Party Prevailed. 36G = No Match counter party prevailed. 37G = Reduced Nominated Quantity. (Reference Edig@s StatusType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

432 **3.6.9.2   REASON.TEXT**

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

433 **3.6.10   RULES GOVERNING THE DECOMPOSITION QUANTITY CLASS**

434 The presence of a Decomposition Quantity class is dependent on the information requirements that are
435 determined by local market rules and is restricted to LNG Connection Points.

436 A Decomposition Quantity class is used whenever the quantities nominated have to be distributed by type
437 of contract to which they are being nominated.

438 The sum of the quantities in the Decomposition Quantity class must correspond to the total quantity that
439 is being nominated in the Period class.

440 The unit of measure must be identical to the unit of measure identified in the Period class.

441 The direction must be identical to the direction identified in the Period class.

442 **3.6.10.1   TYPE**

ACTION	DESCRIPTION
Definition of element	The type of the contract that the quantity is being nominated from.
Description	This information provides the type of the contract that the quantity is being extracted from. The current types permitted for this code are: ZXD = Firm ZXE = Makeup ZXF = Interruptible ZXG = Conditional (Reference Edig@s QuantityTypeType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

443 **3.6.10.2   AMOUNT**

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

444 ## 4 DOCUMENT CHANGE LOG

Package	Version	Date	Description
5.0	1	2013-07-03	Initial release

445