SECTION

VI General Service Processes

Version 5.1

EASEE-gas/Edig@s Workgroup

Document version: 2

COPYRIGHT & LIABILITY

TABLE OF CONTENTS

TABLE OF FIGURES

1 REFERENCES

The content of the ACKNOW, PUBLIC and WETHER messages are based on the definition of terms and codes as agreed by the Edig@s Workgroup.

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

2 GENERAL OVERVIEW

The objective of this guide is to define the generic service processes that can be used anywhere within the Edig@s environment. The following service processes have been defined:

- The acknowledgement process.
- The publication process.
- The weather forecast and results process.

3 THE ACKNOWLEDGEMENT PROCESS

3.1 FUNCTIONAL DEFINITION

The Acknowledgement document fits into a general Edig@s acknowledgement process and is divided into two categories:

3.1.1 TECHNICAL ACKNOWLEDGEMENT

A technical acknowledgement occurs when an XML document is received that cannot be correctly processed for submission to the application. Such an error could occur for example whenever the XML parser cannot correctly parse the incoming document. Other instances could be the incapacity to correctly identify the sender of the document in relation to the process requested.

In such a case a technical acknowledgement can be sent to the document sender providing the information that the XML document in question cannot be correctly processed by the system.

3.1.2 APPLICATION ACKNOWLEDGEMENT

Whenever it is necessary to send a response that can provide additional information to the sender and in order to implement effective data exchange the following procedure should be applied upon reception of a document to verify at the application level that it contains no faults that could prevent correct processing:

- A document that is valid after this verification shall necessitate the generation of an Acknowledgement document accepting in its entirety the document in question.
- A document that has an error in it shall necessitate the generation of an Acknowledgement document that can completely or partially reject the document in question.

This acknowledgment sequence will not be described systematically in the information flows, but it shall be flagged as an integral part of each transmission wherever it is required.

3.2 GENERAL ACKNOWLEDGEMENT WORKFLOW.

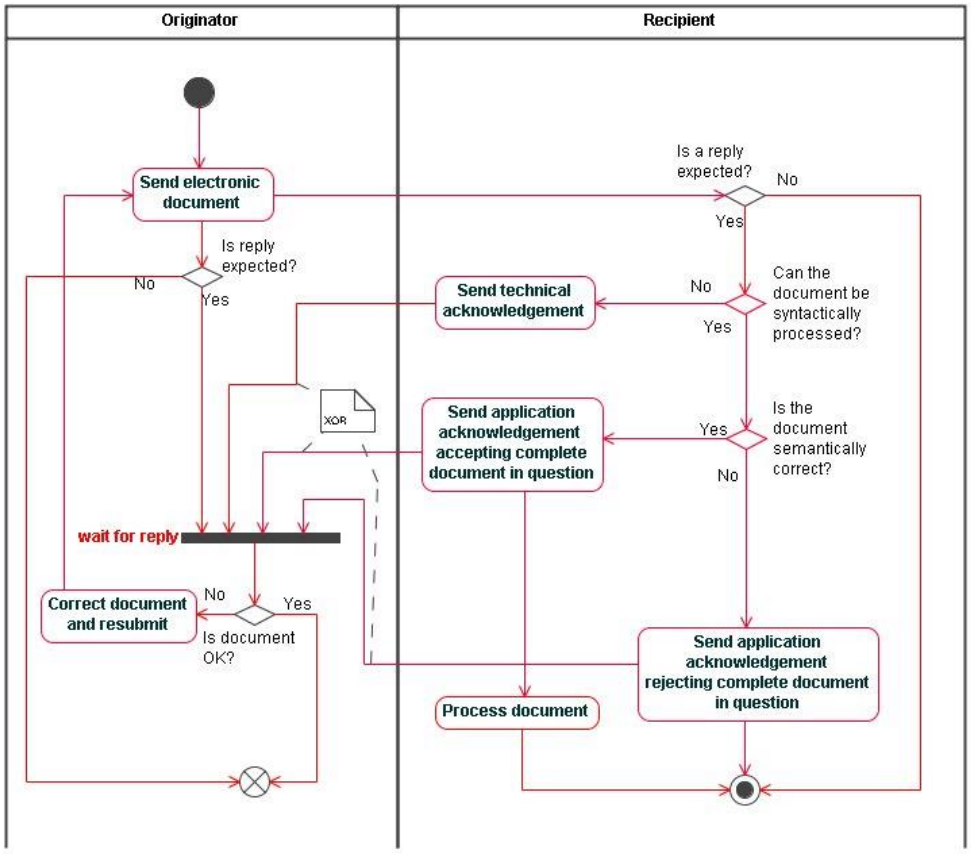


FIGURE 1: GENERAL ACKNOWLEDGEMENT WORKFLOW

The Acknowledgement document shall be used in conjunction with the transmission of electronic documents defined in the EDIGAS process Information flow diagrams as required for a technical or application acknowledgement.

In specific processes it may be considered that an acknowledgement is not required.

For example, typically one could consider that the exchange of a NOMINT between a Shipper and a System Operator requires an acknowledgement in order to avoid reclamations from the Shipper if the NOMINT had not been received.

Alternatively in the case of a NOMRES between a System Operator and a Shipper an acknowledgement might not be required since this could hold up processing on the System Operators side waiting for the acknowledgement event that provides no additional processing information. On the Shipper's side no further action can be taken if there is a disagreement with the NOMRES content. In addition if the Shipper does not receive the NOMRES an immediate alarm will be set off querying why the message had not been received.

In general entities of the same business level may require an acknowledgement when exchanging information.

However entities of different business levels will generally require an acknowledgement of information sent from the lower level to the higher level whereas it may not be necessary when something is sent from the higher level to the lower level.

Not to transmit an acknowledgement when it supplies no new information provides a means of preventing a system waiting for something which will not in the end be processed.

The ACKNOW message may be generated in two contexts:

- At the system level when a technical incident prevents it from being processed by an application.
- At the application level where it should be generated by the application software and NOT by EDI-translator software. In this context it must mention the parties as stated in the message that is being acknowledged.

3.3 CONTEXTUAL MODEL FOR THE ACKNOWLEDGEMENT DOCUMENT (ACKNOW)

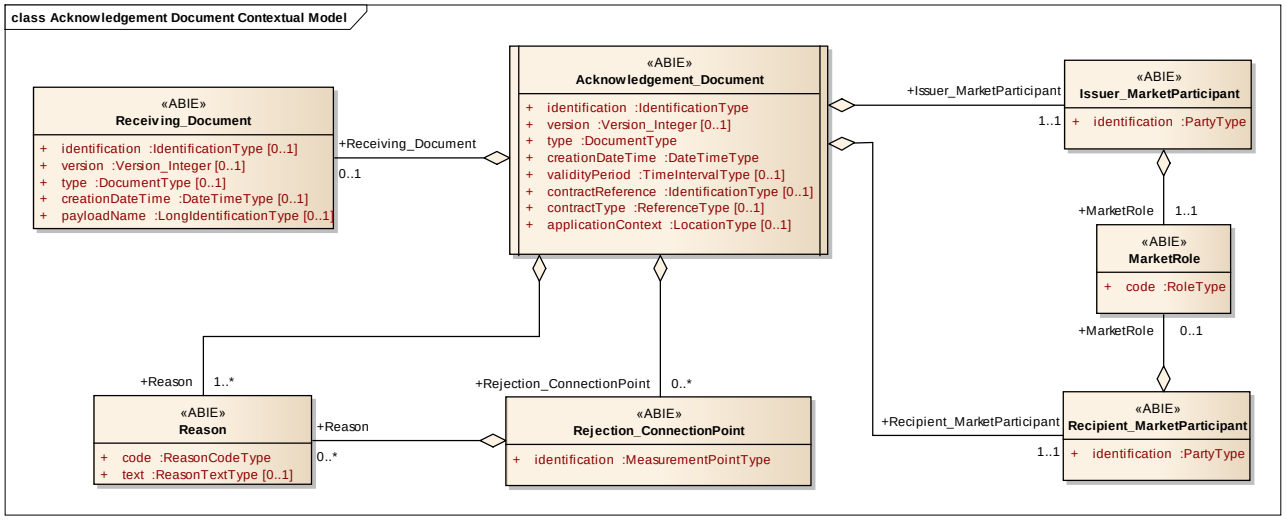


FIGURE 2: ACKNOWLEDGEMENT DOCUMENT CONTEXTUAL MODEL

3.3.1 INFORMATION MODEL STRUCTURE

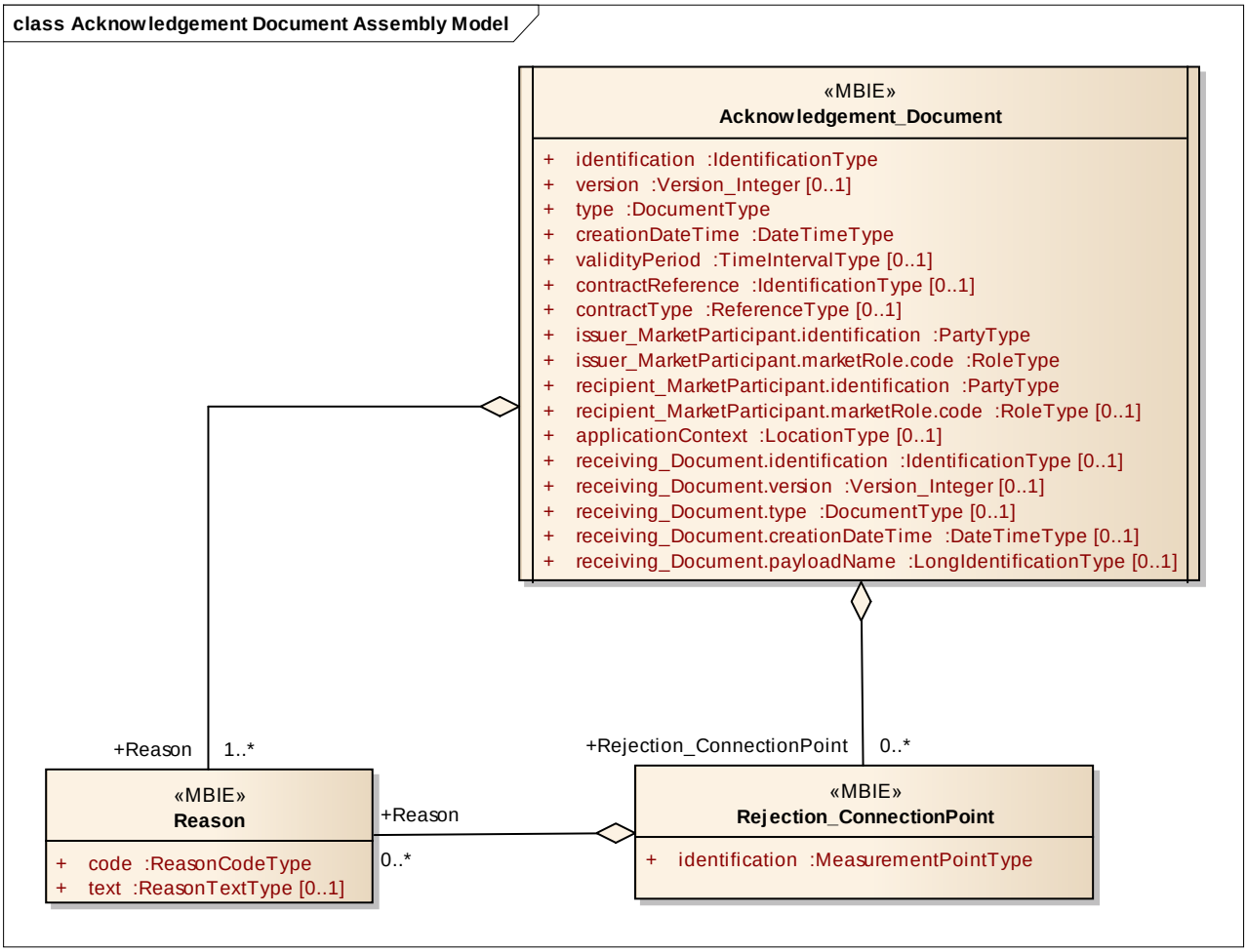


FIGURE 3: ACKNOWLEDGEMENT DOCUMENT INFORMATION MODEL

3.3.2 INFORMATION MODEL DESCRIPTION

3.3.3 RULES GOVERNING THE ACKNOWLEDGEMENT DOCUMENT CLASS

A document is uniquely identified by:

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

3.3.3.1 IDENTIFICATION

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

3.3.3.1 VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document being sent.
Description	The document version is used to identify a given version of an Acknowledgement 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 dependent.
Dependence requirements	This depends on local market rules.

3.3.3.2 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of Acknowledgement Document that is being sent. The following type of Acknowledgement Document is permitted: 294 = Application error and acknowledgement. Message used by an application to acknowledge reception of a message and/or to report any errors. (Reference Edig@s DocumentType code list).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

150 #### 3.3.3.3 CREATIONDATETIME

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

151 #### 3.3.3.4 VALIDITYPERIOD

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is dependent.
Dependence requirements	This information is provided where the document being reported has a validity period..

152 #### 3.3.3.5 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	Identification of the contract reference that governs the document contents.
Description	The contract reference identifies the contract under which the conditions of the content and transmission of the document have been agreed.
Size	The maximum length of the contract reference identification is 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is provided where the document being reported has a contract reference.

153 #### 3.3.3.6 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 provided where the document being reported has a contract type.

154 #### 3.3.3.7 ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who issued the acknowledgement.
Description	The issuer 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 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.

155 #### 3.3.3.8 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. This should be the same role as identified in the receiving document. Refer to the Edig@s RoleType codelist for valid codes.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

156 #### 3.3.3.9 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who has issued the document that is being acknowledged.
Description	The issuer of the document being acknowledged 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 code.
Size	The maximum length of an original 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.

157 #### 3.3.3.10 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who has issued the document being acknowledged is playing.
Description	The role being played by the issuer of the document for this transmission. This should be the same role as identified in the receiving document. Refer to the Edig@s RoleType codelist for valid codes.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The market role is to be provided if it is known. Generally it is not available if the payload cannot be read.

158 #### 3.3.3.11 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 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.

159 ### 3.3.3.12RECEIVING_DOCUMENT.IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Unique identification of the document being acknowledged
Description	This provides the identification of the original message being acknowledged.
Size	The identification of a Document may not exceed 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided if the document can be successfully interpreted. Otherwise the payload identification shall be used to identify the exchange.

160 ### 3.3.3.13RECEIVING_DOCUMENT.TYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of document being received.
Description	This provides the identification of the type of document being acknowledged. This corresponds to the code used by Edigas to identify a type of document
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided if the document can be successfully interpreted. Otherwise the payload identification shall be used to identify the exchange.

161 ### 3.3.3.14 RECEIVING_DOCUMENT.VERSION

ACTION	DESCRIPTION
Definition of element	Version of the document being acknowledged.
Description	The version of the receiving document is provided if the document being acknowledged has a version.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided if the document can be successfully interpreted and has a version attribute. If there is no receiving document identification there shall be no receiving document version.

162 ### 3.3.3.15RECEIVING_DOCUMENT.CREATIONDATETIME

ACTION	DESCRIPTION
Definition of element	The date and time of the creation of the original message.
Description	The date and time of the creation of the original message being acknowledged.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is dependent.
Dependence requirements	The information is only provided if the document can be successfully interpreted. Otherwise the payload identification shall be used to identify the exchange.

3.3.3.16RECEIVING_DOCUMENT.PAYLOADNAME

ACTION	DESCRIPTION
Definition of element	The identification of the payload object used to transmit the document.
Description	This provides the identification of the payload object, such as a file name, that has been used to transmit the document.
Size	The maximum length of the name is 150 alphanumeric characters.
Applicability	The name is dependent.
Dependence requirements	This identification is only provided if the document cannot be successfully interpreted. The attributes receiving document identification, receiving document type and receiving document date time shall not be provided.

3.3.4 RULES GOVERNING THE REJECTION CONNECTION POINT CLASS

If a specific connection point is being rejected this class shall be used to identify it. It is generally the case if the original document is only partially rejected.

3.3.4.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a connection point.
Description	The identification of a connection point whose information is being rejected within a 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 code or the code "ZSO" for a System Operator code.
Size	The maximum length of the connection point identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the connection point identification and the coding scheme are dependent.
Dependence requirements	This is only used whenever a specific connection point is being rejected in a document.

3.3.5 RULES GOVERNING THE REASON CLASS

The Reason class shall provide any coded or textual information that is necessary to completely describe the conditions of the acknowledgement. It may provide additional information at the connection point level describing any eventual amendment or rejection.

3.3.5.1 CODE

ACTION	DESCRIPTION
Definition of element	A code providing the conditions of the acknowledgement.
Description	The reason code provides the conditions of the acknowledgement as well as at the connection point level the reason for any eventual amendments or rejections. As many reason elements as necessary may be used. Refer to the Edigas ReasonCodeType codelist for the list of valid codes.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory at the header level and dependent at the connection point level.
Dependence requirements	None at the header level. It may provide additional information at the Cconnection point Level describing an eventual amendment or rejection.

3.3.5.2 TEXT

ACTION	DESCRIPTION
Definition of element	Textual explanation of the reason code.
Description	If the code does not provide all the information to clearly identify the justification of an 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 reason code is insufficient to identify an amendment or an error.

4 PUBLICATION PROCESS

A Publication Document can enable the transmission of basic information that is normally not included in the day to day messages. It is aggregated per connection point and could, for example, be one of the following:

- Transmission of GCV values;
- Transmission of pricing information;
- Transmission of capacity information;
- Transmission of the water dewpoint;
- Transmission of dumping information;
- Etc..

Generally it concerns public information or data that are identical to all parties belonging to the same recipient's role.

4.1 FUNCTIONAL DEFINITION

The Publication Document is a general Edig@s message that can be used over several processes. It is an aggregation of information related to a connection point or an area (where an area is a virtual connection point managed by a single System Operator on input and on output).
The reporting is on a per characteristic basis.

4.2 GENERAL PUBLICATION WORKFLOW.

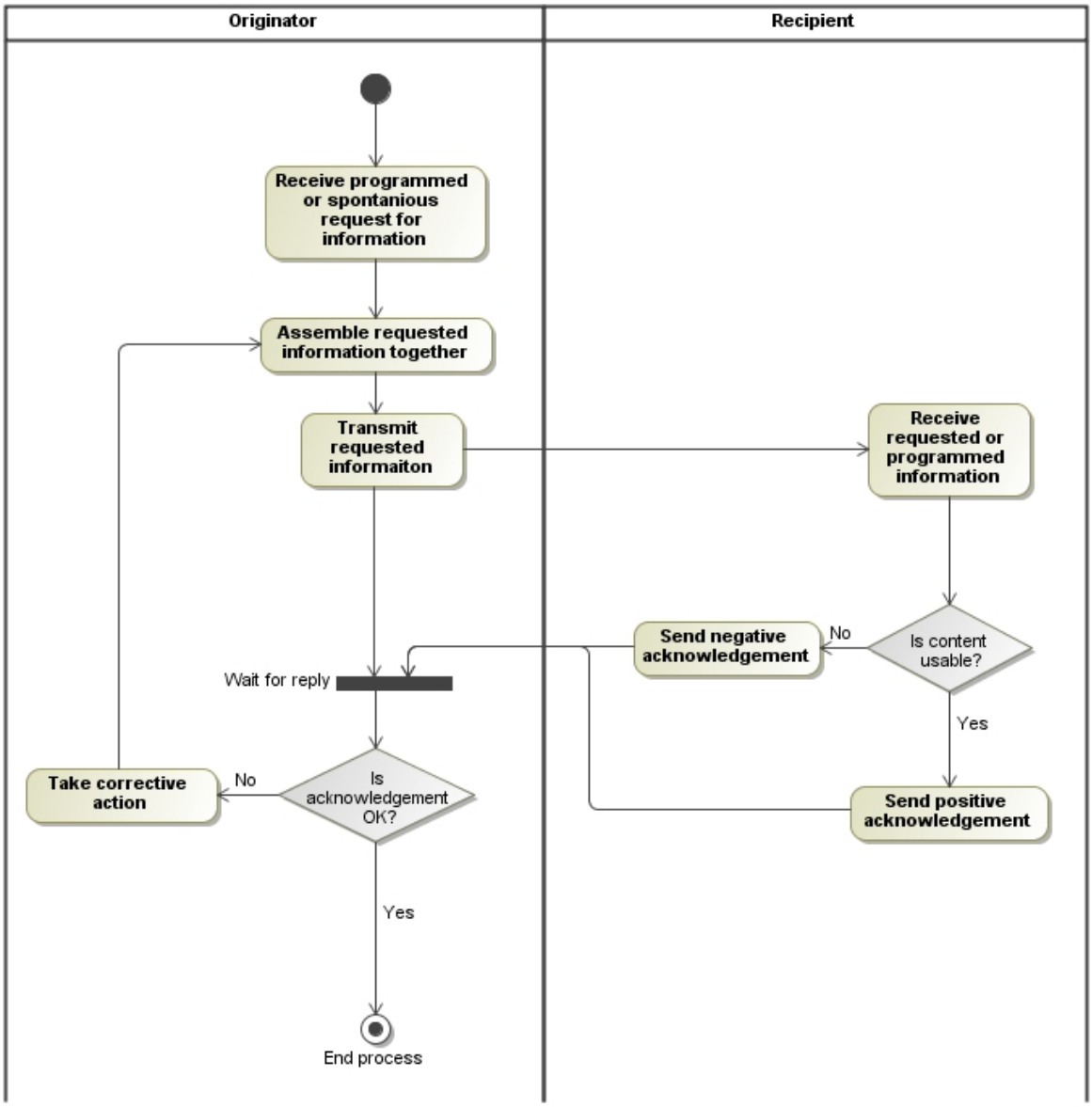


FIGURE 4: GENERAL PUBLICATION WORKFLOW

The Publication Document may be used to provide information to a market participant that is normally not provided in the general day to day messages.

The information that is required may be agreed for systematic periodic transmission or on a one off basis.

The Originator of the information, based on previous agreement, will assemble the required information together in a Publication Document. The information is assembled at the Connection Point level and the characteristics requested.

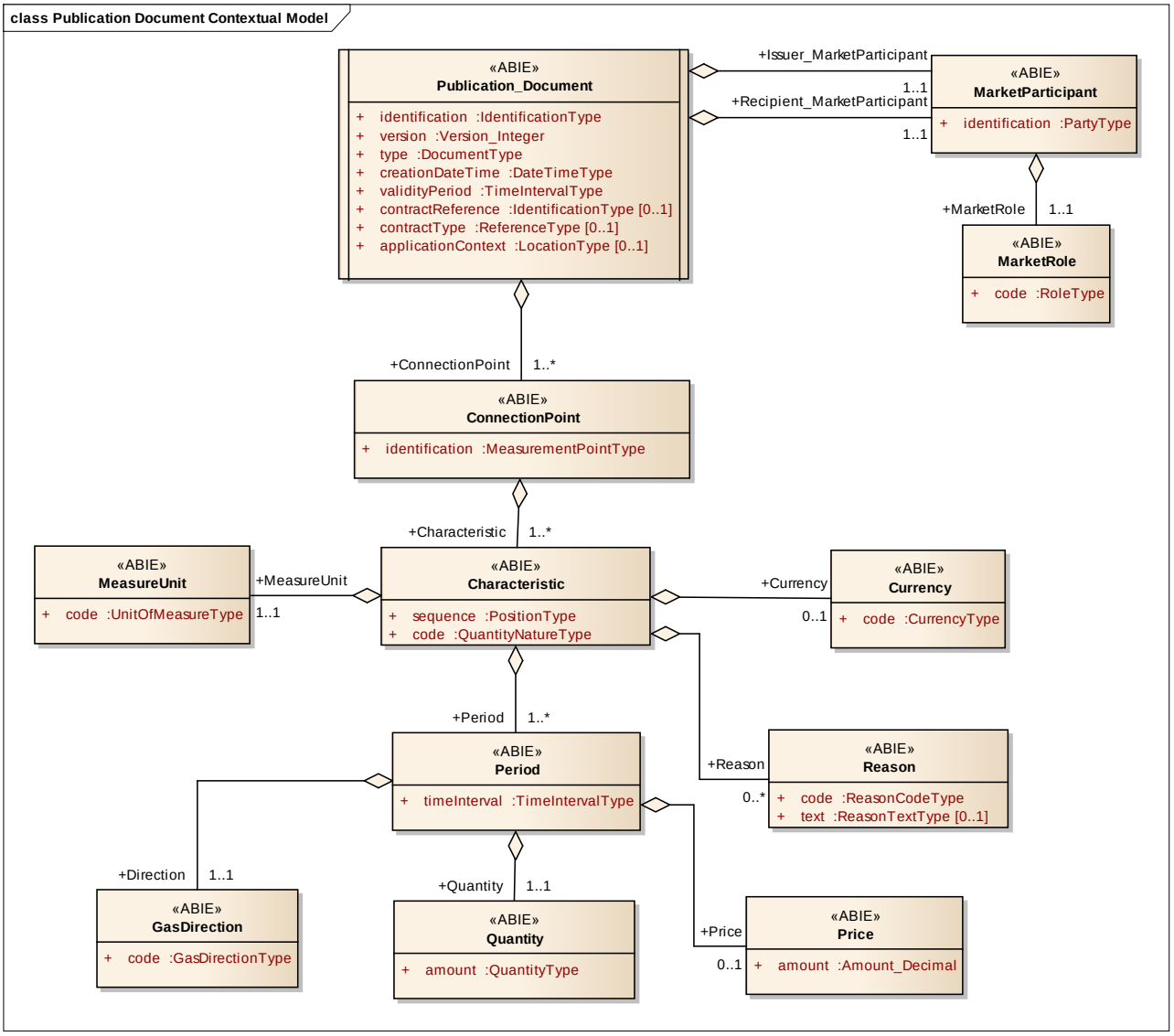
Once assembled, the Publication document is transmitter to the Recipient.

On reception the Recipient verifies if the information in the document is usable and if it is transmits a positive acknowledgement to the Originator. This terminates the publication process.

If the information cannot be used the recipient transmits a negative acknowledgement to the Originator.

The Originator resolves the inconsistencies and retransmits the Publication Document to the Recipient.

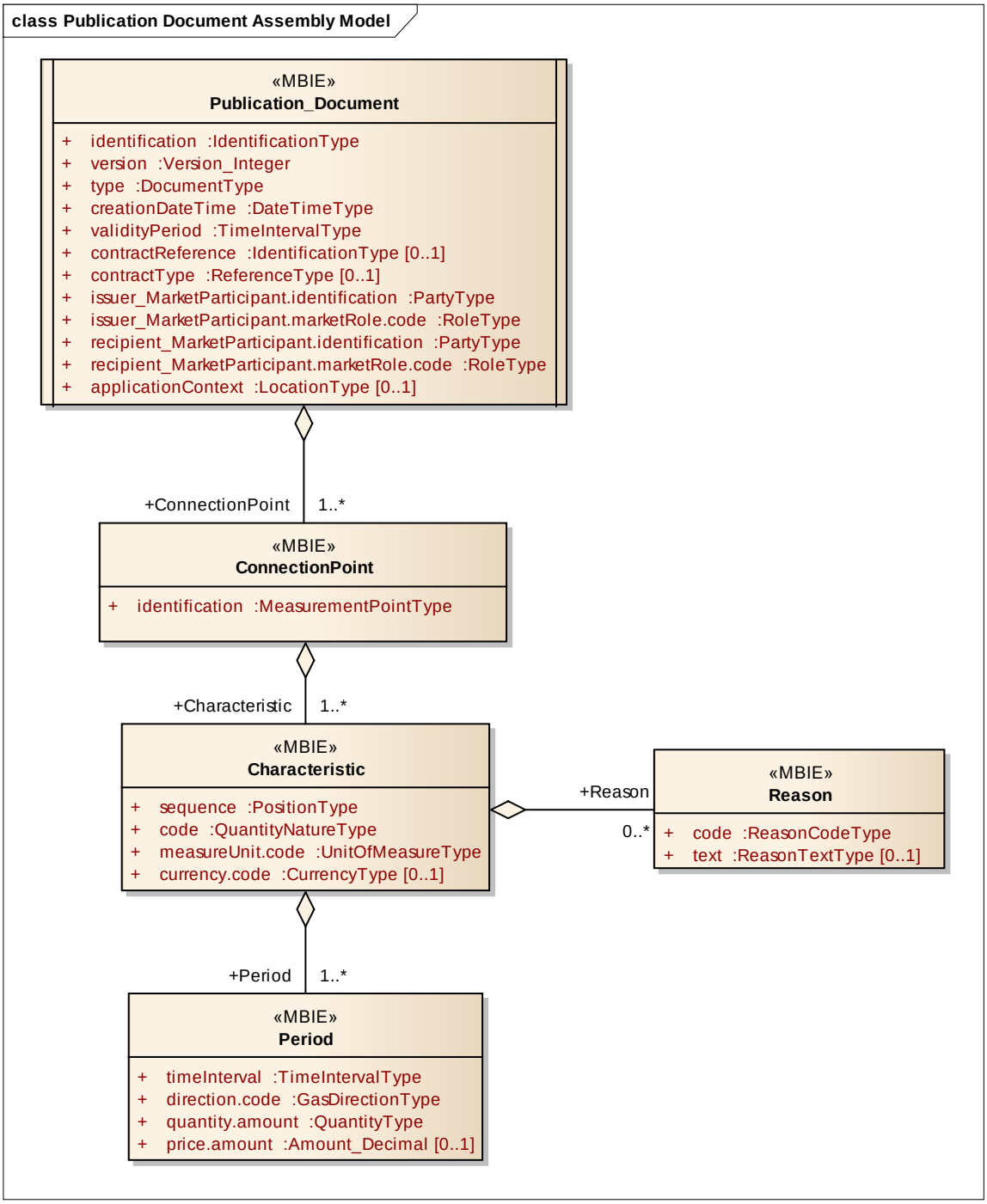
206 ## 4.3 CONTEXTUAL MODEL FOR THE PUBLICATION DOCUMENT (PUBLIC)



207

208 **FIGURE 5: PUBLICATION DOCUMENT CONTEXTUAL MODEL**

209 ### 4.3.1 INFORMATION MODEL STRUCTURE



210

211 **FIGURE 6: PUBLICATION DOCUMENT INFORMATION MODEL**

4.3.2 INFORMATION MODEL DESCRIPTION

4.3.3 RULES GOVERNING THE PUBLICATION DOCUMENT CLASS

A document is uniquely identified by:

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

4.3.3.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Publication Document.
Description	A Publication Document must have a unique identification assigned by the initiator 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 Publication Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

4.3.3.2 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 Publication Document. The first version number for a given document identification shall normally be 1. The document version number must be incremented for each retransmission of a document that contains changes to the previous version. The receiving system shall only accept a document with a version number which is greater than the previous version number of the same document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is dependent.
Dependence requirements	This depends on local market rules.

4.3.3.3 TYPE

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

4.3.3.4 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 initiator.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

222 #### 4.3.3.5 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 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is dependent.
Dependence requirements	This information is provided where the document being reported has a validity period.

223 #### 4.3.3.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	Identification of the contract reference that governs the document contents.
Description	The contract reference identifies the contract under which the conditions of the content and transmission of the document have been agreed.
Size	The maximum length of the contract reference identification is 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is provided where a contract reference exists for the publication.

224 #### 4.3.3.7 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 provided where a contract reference exists for the publication.

225 #### 4.3.3.8 ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who issued the Publication Document.
Description	The issuer 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 code.
Size	The maximum length of a 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.

226 #### 4.3.3.9 ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party that is issuing the document is playing.
Description	The role being played by the issuer of the document for this transmission. The following roles are permitted: ZSO = System Operator ZUF = Capacity Platform Responsible (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.

227 #### 4.3.3.10 RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party receiving the Publication Document
Description	The party receiving the Publication 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 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.

228 #### 4.3.3.11 RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the recipient is playing.
Description	The role being played by the recipient for this transmission. The following roles are permitted: ZSO= System Operator ZSH = Shipper (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.

229 #### 4.3.3.12 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 code.
Size	The maximum length of an application context's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided when there is bi lateral agreement between the parties.

4.3.4 RULES GOVERNING THE CONNECTION POINT CLASS

There may be as many connection points as required to provide all the requested or planned information.

4.3.4.1 IDENTIFICATION – CODINGSCHEME

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

4.3.5 RULES GOVERNING THE CHARACTERISTIC CLASS

There may be as many characteristics as required to provide all the requested or planned information.

4.3.5.1 SEQUENCE – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a characteristic instance.
Description	The identification of specific instance of a Characteristic class for a given connection point.
Size	The maximum length of the characteristic identification is 6 numeric characters.
Applicability	The characteristic identification is mandatory.
Dependence requirements	None.

4.3.5.2 CODE

ACTION	DESCRIPTION
Definition of element	Identification of the type of characteristic being reported.
Description	The type identifies the nature of the characteristic being reported. Refer to the Edigas QuantityNatureType codelist for the list of valid codes.
Size	The maximum length of the type is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

4.3.5.3 MEASUREUNIT.CODE

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to the quantities in which the time series is expressed.
Description	The unit of measurement used for the quantities expressed within the time series. The following are the codes recommended for use: KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d) KW3 = Kilowatt hour per cubic meter (kWh/m³) VPC = Vol % MOL = mole % GP = mg/m3 CEL = °C BAR = bar or kPa (Reference Edig@s UnitOdMeasureType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

4.3.5.4 CURRENCY.CODE

ACTION	DESCRIPTION
Definition of element	The currency in which the price is expressed.
Description	This information defines the currency of the price within the time interval period. Refer to Edig@s CurrencyType Code list document for the valid list of currency codes.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This is only provided in the case where price information is provided in the Period class.

4.3.6 RULES GOVERNING THE PERIOD CLASS

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

4.3.6.1 TIMEINTERVAL

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

4.3.6.2 DIRECTION.CODE

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

4.3.6.3 QUANTITY.AMOUNT

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

4.3.6.4 PRICE.AMOUNT

ACTION	DESCRIPTION
Definition of element	The price of the quantity that is being reported.
Description	The price that is being reported.
Size	The maximum length of this information is 17 numeric characters (decimal mark and sign, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the price is normally 2 digits but it depends on local market rules.
Applicability	This information is dependent.
Dependence requirements	This information is provided only when pricing information is relevant to the information in the Period class.

4.3.7 REASON CLASS

The Reason class shall provide any coded or textual information that is necessary to completethe characteristic description.

4.3.7.1 CODE

ACTION	DESCRIPTION
Definition of element	A code providing additional information for publication.
Description	The reason code provides the coded information that is for publication. As many reason elements as necessary may be used. Refer to the Edigas ReasonCodeType codelist for the list of valid codes
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is provided as required .

4.3.7.2 TEXT

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

5 WEATHER FORCAST AND REALISATION PROCESS

The objective of this guide is to define a document to provide weather forecast and realisation data that can be used as a general process.
A Weather Document can enable the transmission of forecast and realisation information that is normally sent from a weather analysis source.
It may also be used to provide market participants with weather information whenever necessary.

5.1 FUNCTIONAL DEFINITION

The Weather Document is a general Edig@s message that can be used whenever weather forecast and realisation information is required.

5.2 GENERAL WEATHER INFORMATION WORKFLOW.

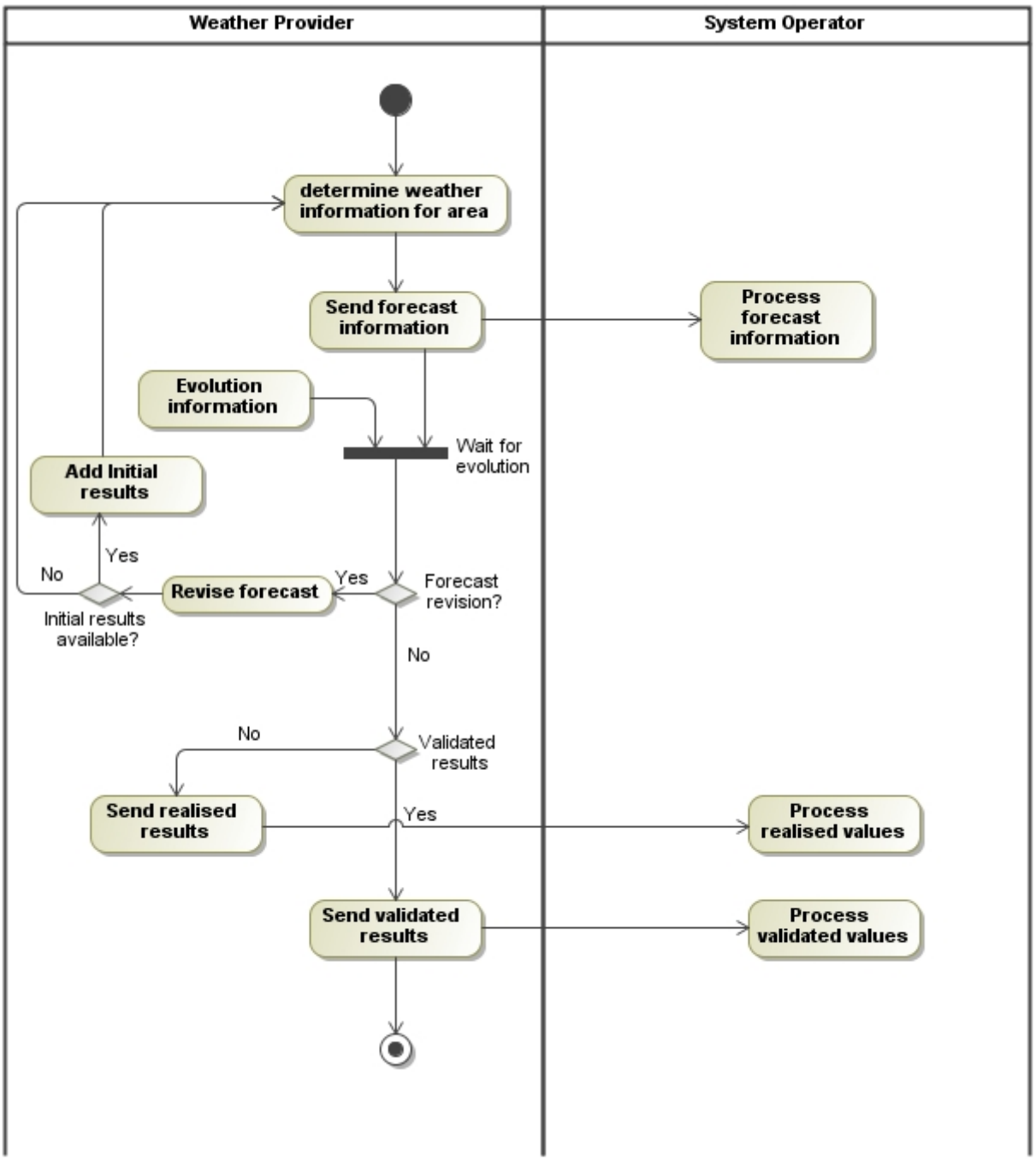


FIGURE 7: WEATHER INFORMATION WORKFLOW

The Weather Provider determines the weather forecast for a designated area. This is then sent to the System Operator who processes the information as required.
The Weather Provider then waits for an evolution to the weather information to occur.
An evolution could be

- A change in the forecast where a new revision has to be sent.
- An evolution of the forecast during the day where some results are already available.
- The end of day where the realised results are available
- The end of day validated results.

Whenever any of these events occur the Weather Provider sends the resulting information to the System Operator.
The Weather Document may be used to send information to a market participant that is normally not provided in the general day to day messages.

The information that is required may be agreed for systematic periodic transmission or on a one off basis.

The Weather Provider, based on previous agreement, will assemble the required information together in a Weather Document. The information is assembled at the connection point level and the characteristics requested.

Once assembled, the Weather Document is transmitter to the Recipient.

On reception, the Recipient verifies if the information in the document is usable and if it is, transmits a positive acknowledgement to the Originator. This terminates the weather process.

If the information cannot be used the recipient transmits a negative acknowledgement to the Originator.

The Originator resolves the inconsistencies and retransmits the Weather Document to the Recipient.

5.3 CONTEXTUAL MODEL FOR THE WEATHER DOCUMENT (WETHER)

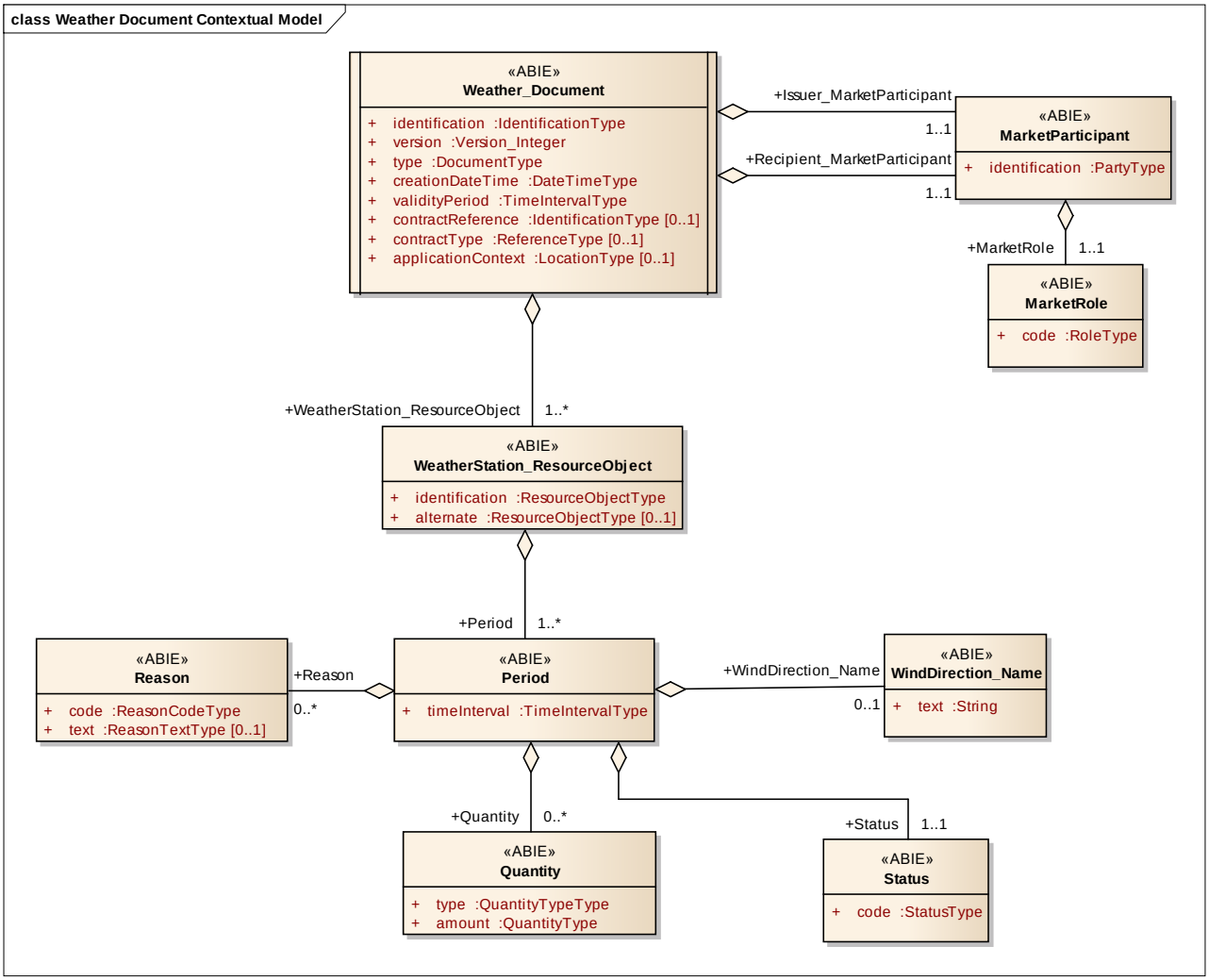


FIGURE 8: WEATHER DOCUMENT CONTEXTUAL MODEL

5.3.1 INFORMATION MODEL STRUCTURE

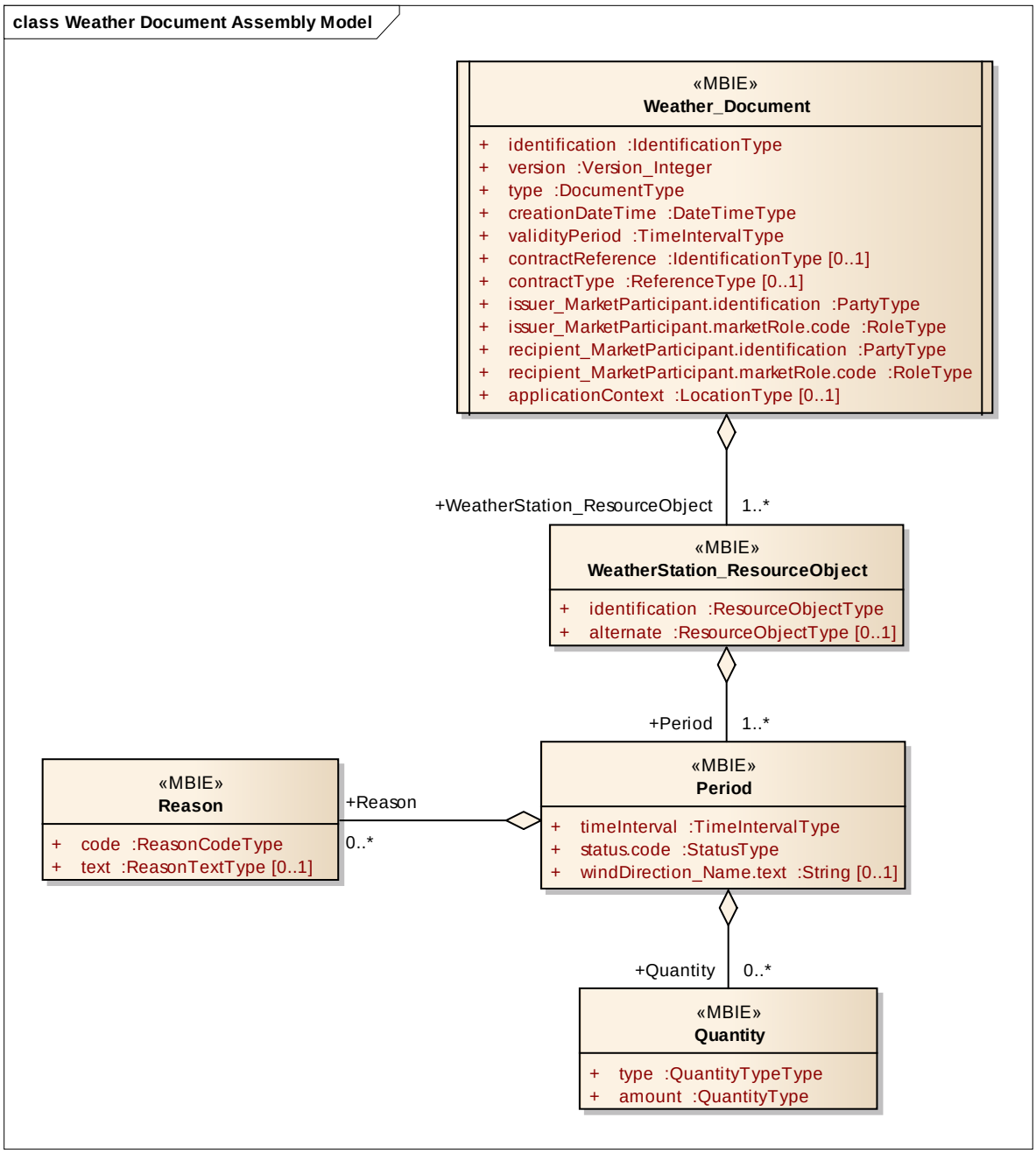


FIGURE 9: WEATHER DOCUMENT INFORMATION MODEL

5.3.2 INFORMATION MODEL DESCRIPTION

5.3.3 RULES GOVERNING THE WEATHER DOCUMENT CLASS

A document is uniquely identified by:

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

5.3.3.1 IDENTIFICATION

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

5.3.3.2 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 Weather 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 dependent.
Dependence requirements	This depends on local market rules.

5.3.3.3 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of Weather Document that is being sent. The following types of Weather Document are permitted: AMK = Weather forecast document AML = Weather results document. (Reference Edig@s code list 6063).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

298 #### 5.3.3.4 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 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

299 #### 5.3.3.5 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 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is dependent.
Dependence requirements	This information is provided where the document being reported has a validity period..

300 #### 5.3.3.6 CONTRACTREFERENCE

ACTION	DESCRIPTION
Definition of element	Identification of the contract reference that governs the document contents.
Description	The contract reference identifies the contract under which the conditions of the content and transmission of the document have been agreed.
Size	The maximum length of the contract reference identification is 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is normally not required for a Weather Document.

301 #### 5.3.3.7 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 1153 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 normally not required for a Weather Document.

302 #### 5.3.3.8 ISSUER_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who issued the Weather Document.
Description	The issuer of the Weather 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 code.
Size	The maximum length of a sender'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.

303 #### 5.3.3.9 ISSUER_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party that issued the Weather Document is playing.
Description	The role being played by the issuer of the document for this transmission. The following role is permitted: ZUH = Weather Provider. (Reference Edig@s code list 3035).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

304 #### 5.3.3.10RECIPIENT_MARKETPARTICIPANT.IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party receiving the Weather Document
Description	The party receiving the Weather 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 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.

305 #### 5.3.3.11RECIPIENT_MARKETPARTICIPANT.MARKETROLE.CODE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the recipient is playing.
Description	The role being played by the recipient for this transmission. The following roles are permitted: ZSO = System Operator ZSH = Shipper. (Reference Edig@s code list 3035).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

306 #### 5.3.3.12 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 code.
Size	The maximum length of an application context's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided when there is bi laterial agreement between the parties.

5.3.4 RULES GOVERNING THE WEATHER STATION RESOURCE OBJECT CLASS

There may be as many Weather Station Resource Object classes as required to provide all the forecast or results information.

5.3.4.1 IDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a weather station.
Description	The identification of a weather station for which the information is being provided. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC code or the code "ZSO" for a System Operator code.
Size	The maximum length of the weather station identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters
Applicability	Both the weather station identification and the coding scheme are mandatory
Dependence requirements	None.

5.3.4.2 ALTERNATE_RESOURCEOBJECT – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a weather station that is acting in the place of the main weather station.
Description	The identification of a weather station replaced a main station and provides information in the place of that station. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC code or the code "ZSO" for a System Operator code.
Size	The maximum length of the replacing station identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters
Applicability	Both the replacing station identification and the coding scheme are dependant
Dependence requirements	This information is only provided if the main weather station cannot provide information and it acts as its replacement.

5.3.5 RULES GOVERNING THE PERIOD CLASS

The main characteristics are optional to enable no value to be provided if there is none available. If a weather station has no information available then an appropriate status should be given.

5.3.5.1 TIMEINTERVAL

ACTION	DESCRIPTION
Definition of element	The time interval relevant to the information being provided.
Description	The start and end date and times that the associated value information concerns.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

5.3.5.2 WINDDIRECTION_NAME.TEXT

ACTION	DESCRIPTION
Definition of element	The wind direction being reported.
Description	This information defines the wind direction expressed in the direction of the magnetic compass rose.
Size	The maximum length of this information is up to 35 characters.
Applicability	This information is dependent.
Dependence requirements	This information is provided only if available.

5.3.5.3 STATUS.CODE

ACTION	DESCRIPTION
Definition of element	The status of the weather information provided.
Description	This information provides the status of the weather information provided for the time interval being reported. Only one of the following status values are permitted: In the weather forecast notice (document type AMK): 03G = Forecast – estimated value In the weather results notice (document type AML): 04G = Realised – Provisional value 05G = Validated – Definitive value (Reference Edig@s Status code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

5.3.6 RULES GOVERNING THE QUANTITY CLASS

As many quantity classes as are required to provide the weather information are provided. If there is no information this class is not provided and the Reason class provides the justification information.

5.3.6.1 TYPE

ACTION	DESCRIPTION
Definition of element	The identification of the type of quantity concerning the weather information.
Description	This identifies the type of quantity for which the weather information is being defined. Permitted codes are: ZXP = Windspeed expressed in meters per second (msc). TC = Temperature expressed in degrees celcius ZXQ = Minimum temperature expressed in degrees celcius ZXR = Maximum temperature expressed in degrees celcius ZXS = Cloudiness expressed in Okta units ZXU = Index of confidence ZXV = Solar irradiance. (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.

5.3.6.2 AMOUNT

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

5.3.7 REASON CLASS

The Reason class shall provide any coded or textual information that is necessary to completely describe the weather conditions.

5.3.7.1 CODE

ACTION	DESCRIPTION
Definition of element	A code providing additional information.
Description	The reason code provides coded additional information. As many reason elements as necessary may be used. Refer to the Edigas ReasonCodeType codelist for the list of valid codes
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is provided as required.

5.3.7.2 TEXT

ACTION	DESCRIPTION
Definition of element	Textual explanation of the reason code.
Description	If the code does not provide all the information.
Size	The maximum length of this information is 512 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	Used only if the reason code is insufficient.

330 # 6 DOCUMENT CHANGE LOG

Package	Version	Date	Description
5.0	1	2013-07-03	Initial release
5.1	2	2013-12-19	Modified to ensure the alignment of all names in the models.

331