



1 SECTION

2 X

# Market Balancing Process

3

*Version 5.1*



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*EASEE-gas/Edig@s Workgroup*

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*Document version: 5*

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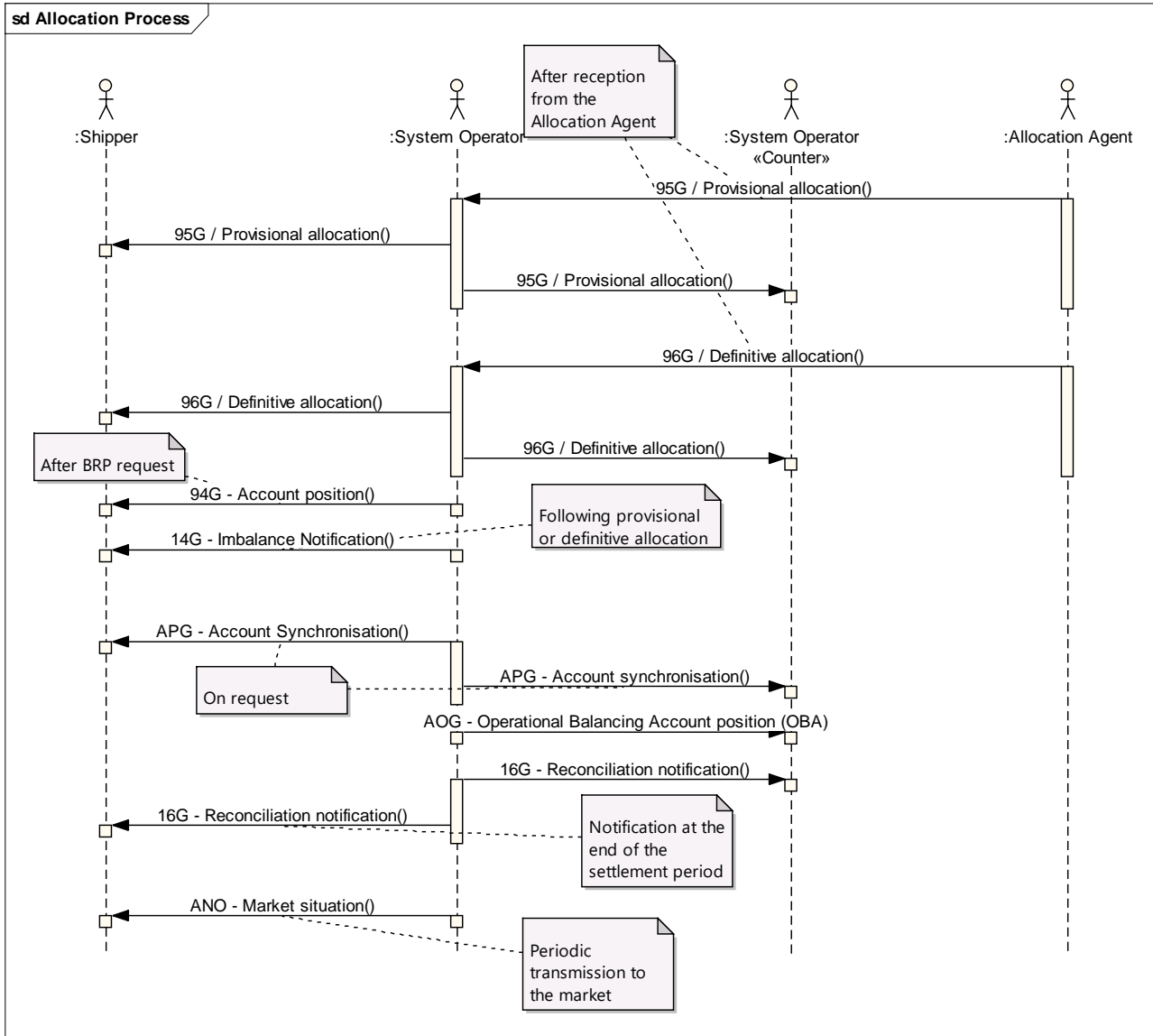
39

40 **1 REFERENCES**

41 The content of the MARSIT message is based on the definition of terms and codes as agreed by the Edig@s  
 42 Workgroup.  
 43 For definition of the roles outlined in figure 1 refer to the Edig@s 3035 codelist.  
 44 **It is strongly recommended to read the Introduction to the Edig@s MIG before implementing**  
 45 **this process since it contains a number of general rules that are applicable for all the Edig@s**  
 46 **messages.**

47 **2 GENERAL OVERVIEW**

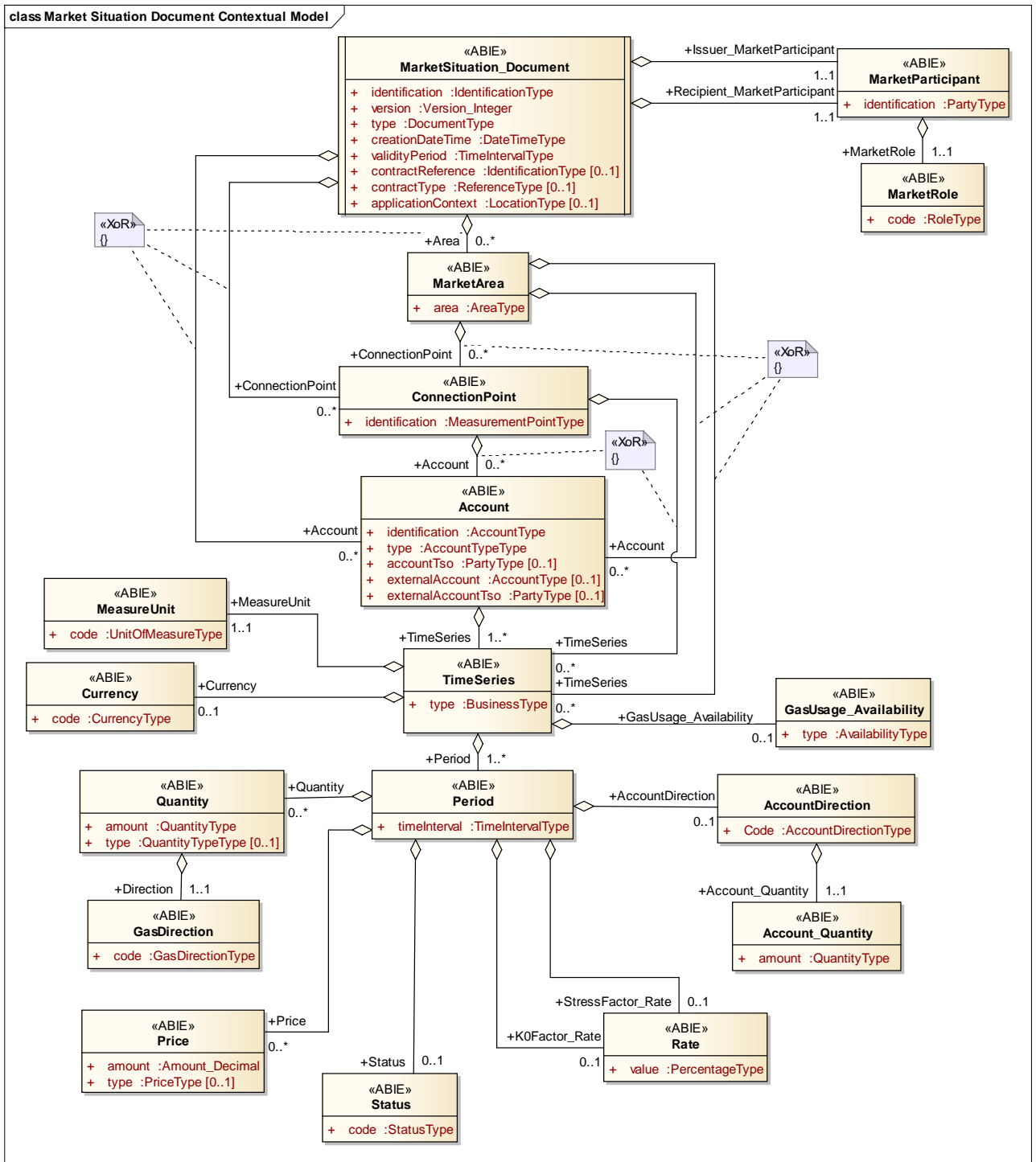
48 The Edig@s standard has been created to facilitate the exchanges required to support the activities for  
 49 the exchange of information within gas market.



50

51 **2.1 CONTEXTUAL MODEL OF MARKET SITUATION DOCUMENT (MARSIT)**

52

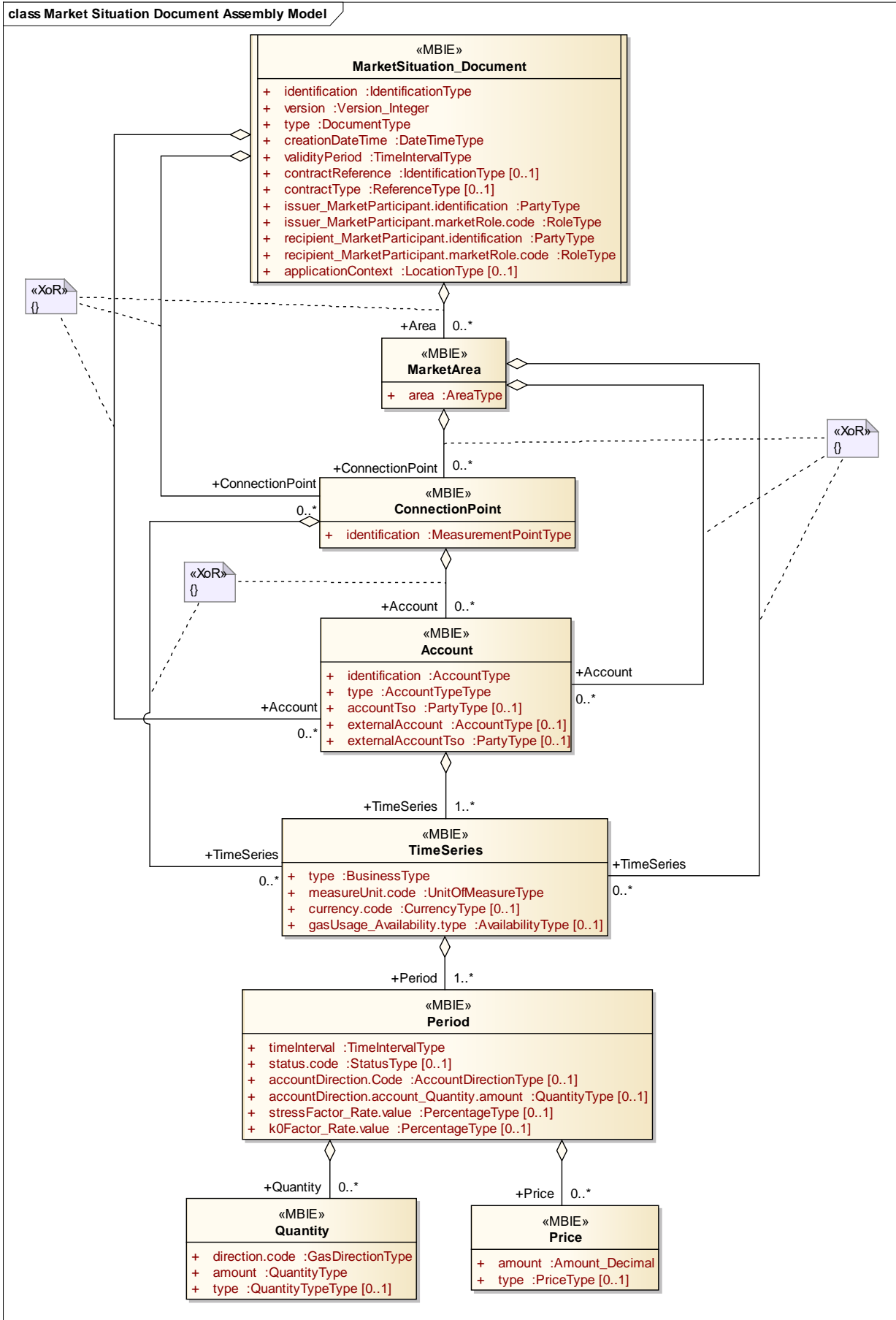


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54

**FIGURE 1: MARKET SITUATION DOCUMENT CONTEXTUAL MODEL**

55 2.1.1 INFORMATION MODEL STRUCTURE



56 57 **FIGURE 2: MARKET SITUATION DOCUMENT ASSEMBLY MODEL**

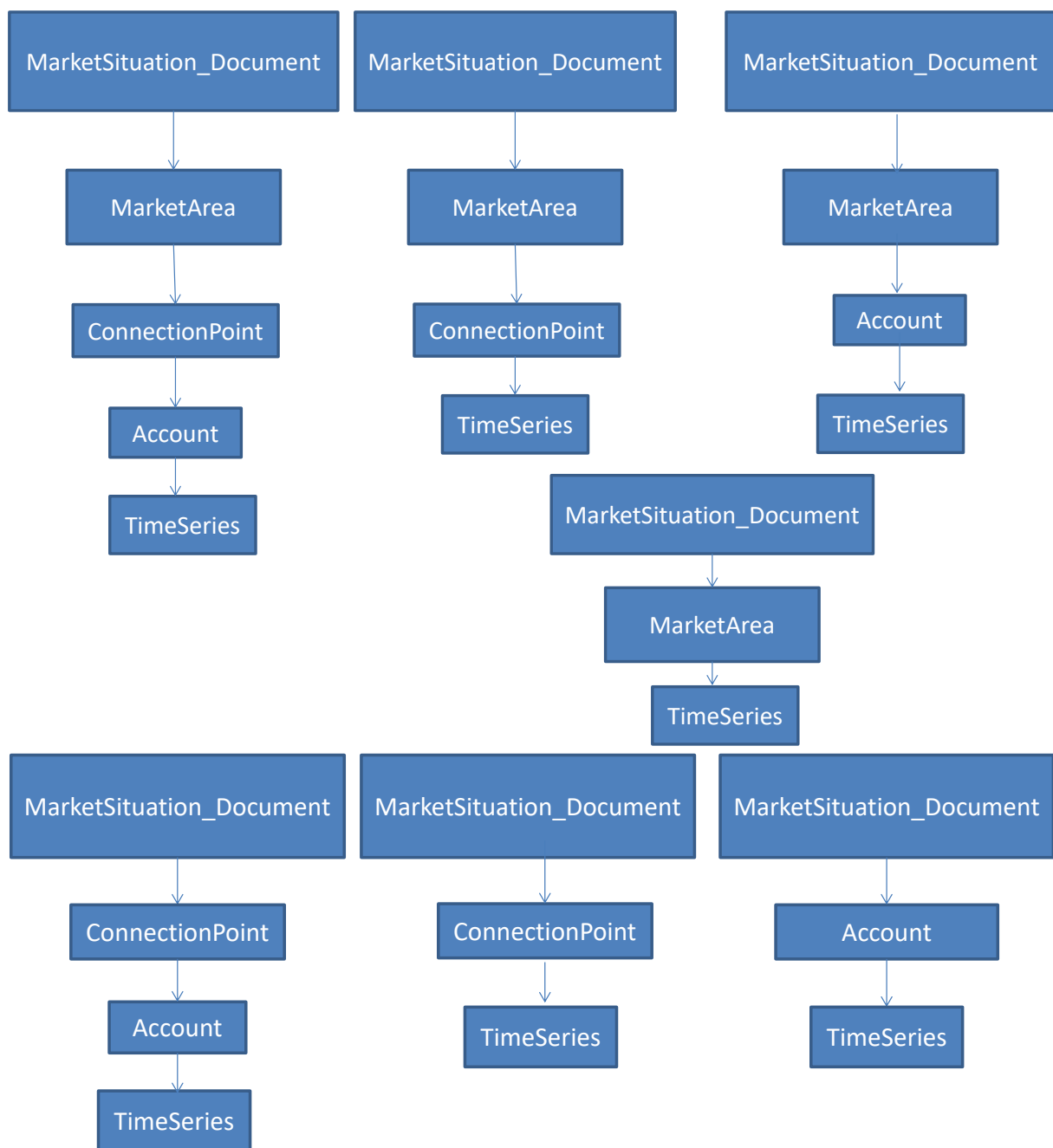
58 **2.1.2 INFORMATION MODEL DESCRIPTION**

59 A Market Situation document is used by a System Operator to enable the following information to be sent  
 60 to network users or to adjacent System Operators:

- 61 I. A general overview of the status of a TSO’s Balancing Area(s)
  - 62 II. A general overview of the Network User’s forecasts for profiled and non-profiled consumption in  
 63 the distribution system operators networks;
  - 64 III. The provision of within-day aggregated metered values
  - 65 IV. To advise Network User(s) about the allocated quantity at a connection point.
  - 66 V. To advise an adjacent System Operator about the allocated quantity at a connection point.
- 67 It may be used by a System Operator during several stages of the Settlement phase.
- 68 I. To send an Imbalance Notification to a Network User and/or to the counter System Operator.
  - 69 II. To provide an account situation or to synchronise account information.
  - 70 III. To exclusively provide the Operational Balancing Account (OBA) position between System  
 71 Operators.
  - 72 IV. To provide the reconciliation information terminating the settlement phase

73 The information may be provided at the market area level or at a connection point level.

74 The following structures represent the combinations that are possible for the use of the Market Situation  
 75 Document:



76

77

78 Decision table showing the possibility of the use of attribute codes depending on the document type.

DocumentType	14G	16G	94G	95G	96G	ANO	AOG	APG
	Imbalance notification	Reconciliation notification	Account position	Provisional allocation report	Definitive allocation report	Market Situation	Operational Balancing Account situation	Account Synchronisation
AccountType	ZOC = Internal account ZOD = Supplier Account ZOE = Shipper Account ZOF = System Operator Account ZUI = Total Market Account	ZOC ZOD ZOE ZOF ZUI	ZOC ZOD ZOE ZOF ZUI	ZOC ZOD ZOE ZOF ZUI	ZOC ZOD ZOE ZOF ZUI	ZOC ZOD ZOE ZOF ZUI	ZOC ZOD ZOE ZOF ZUI	ZOC ZOD ZOE ZOF ZUI
TimeSeriesBusinessType	ZXJ = Opening Position ZKX = Closing Position ZXL = Transaction ZXM = Imbalance Z40 = Correction for imbalance.	ZXJ ZKX ZXL ZXM Z40	ZXJ ZKX ZXL ZXM	Z01 = Allocated. Z03 = Measured. Z02 = Nominated. Z04 = Confirmed. Z41 = Allocated maximum hourly gas flow. Z42 = Negative correction to allocated amount (decrease). Z43 = Positive correction to allocated amount (increase). ZFG = Consumption ZFH = Metered consumption ZFI = Profiled consumption	Z01 Z03 Z02 Z04 Z41 Z42 Z43 ZFG ZFH ZFI	ZFF = Projected closing line pack ZFG ZFH ZFI	ZXJ ZKX ZXL ZXM	ZXJ ZKX ZXL ZXM
Direction	ZPD = Debit quantity. ZPE = Credit Quantity.	ZPD ZPE	ZPD ZPE	Z02 = Input quantity Z03 = Output quantity	Z02 Z03	Z02 Z03	ZPD ZPE	ZPD ZPE
Status	03G = Estimated value. 04G = Provisional value. 05G = Definitive value. Z1G = Value estimated by Network company, after consultation of other parties.	03G 04G 05G	03G 04G 05G			Z1G	03G 04G 05G	03G 04G 05G

79  
80 **FIGURE 3: DECISION TABLE OF CODE USE WITHIN THE MESSAGE.**

81



82 **2.1.3 RULES GOVERNING THE MARKET SITUATION DOCUMENT CLASS**

83 A document is uniquely identified by the following attributes:

- 84 • The identification of the document
- 85 • The issuer Identification
- 86 • The identification of the version

87 **2.1.3.1 IDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the document describing the Market Situation Document.
<b>Description</b>	A Market Situation 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 sender must guarantee that this identification is unique over time
<b>Size</b>	The identification of a Market Situation Document may not exceed 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

88 **2.1.3.2 VERSION**

ACTION	DESCRIPTION
<b>Definition of element</b>	Version of the document being sent.
<b>Description</b>	The document version is used to identify a given version of a Market Situation 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 the document that contains changes to the previous version. The receiving system should ensure that the version number for a document is superior to the previous version number received.
<b>Size</b>	A version number may not exceed 3 numeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

## 89 2.1.3.3 TYPE

ACTION	DESCRIPTION
<b>Definition of element</b>	The type of the document being sent.
<b>Description</b>	This identifies the type of the Market Situation Document that is being sent. The following types of Market Situation Document are permitted: ANO = Market situation 95G = Provisional allocation report. 96G = Definitive allocation report. 14G = Imbalance notification. 16G = Reconciliation notification. APG = Account synchronisation 94G = Account position AOG = Operational Balancing Account position (Reference Edig@s DocumentType code list).
<b>Size</b>	A type may not exceed 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

## 90 2.1.3.4 CREATIONDATETIME

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

## 91 2.1.3.5 VALIDITYPERIOD

ACTION	DESCRIPTION
<b>Definition of element</b>	The start and end date and time of the period of validity covered in the document.
<b>Description</b>	This information provides the start and end date and time of the period of validity of the document. The start date and time shall always begin on a gas day boundary
<b>Size</b>	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

## 92 2.1.3.6 CONTRACTREFERENCE

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

## 93 2.1.3.7 CONTRACTTYPE

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

## 94 2.1.3.8 ISSUER\_MARKETPARTICIPANT.IDENTIFICATION – CODINGScheme

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who has issued the document.
<b>Description</b>	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.
<b>Size</b>	The maximum length of an issuer's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

## 95 2.1.3.9 ISSUER\_MARKETPARTICIPANT.MARKETROLE.CODE

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

## 96 2.1.3.10 RECIPIENT\_MARKETPARTICIPANT.IDENTIFICATION – CODINGScheme

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who is receiving the document.
<b>Description</b>	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.
<b>Size</b>	The maximum length of a recipient's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

97 **2.1.3.11 RECIPIENT\_MARKETPARTICIPANT.MARKETROLE.CODE**

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

98 **2.1.3.12 APPLICATIONCONTEXT – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of a particular context that is significant to the recipient.
<b>Description</b>	The application context is used to identify a particular context (location, application, etc.) that is relevant to the recipient of the document. The use of the application context must have previously been mutually agreed contractually. 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.
<b>Size</b>	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.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The information is only provided when there is bi lateral agreement between the parties.

99 **2.1.4 RULES GOVERNING THE MARKETAREA CLASS**

100 There may be zero to many market areas in a Market Situation Document.

101 After a Market Area class may be followed by:

- 102 • Either a ConnectionPoint class;
- 103 • Or an Account class;
- 104 • Or a TimeSeries class.

105 It is not possible to mix these classes within a given MarketArea instance.

106 **2.1.4.1 AREA – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of a market area.
<b>Description</b>	The identification of a market area 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 domain code or the code "ZSO" for a System Operator code..
<b>Size</b>	The maximum length of the area identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters
<b>Applicability</b>	Both the area identification and the coding scheme are mandatory
<b>Dependence requirements</b>	None.

107 **2.1.5 RULES GOVERNING THE CONNECTION POINT CLASS**

108 There may be zero to many connection points at the level of a Market Situation Document or at the level  
 109 of a market area. A ConnectionPoint class may be followed by:

- 110 • Either an Account class;
- 111 • Or a TimeSeries class.

112 It is not possible to mix these classes within a given instance of a ConnectionPoint.

113 **2.1.5.1 IDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of a connection point.
<b>Description</b>	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.
<b>Size</b>	The maximum length of the connection point identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters
<b>Applicability</b>	Both the connection point identification and the coding scheme are mandatory
<b>Dependence requirements</b>	None.

114 **2.1.6 RULES GOVERNING THE ACCOUNT CLASS**

115 There may be zero to many accounts at the level of:

- 116 • the Market Situation Document;
- 117 • a market area;
- 118 • a connection point.

119 An account class must always be followed by a TimeSeries class.

120 **2.1.6.1 IDENTIFICATION– CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of an account that is defined by the System Operator that sends the message.
<b>Description</b>	The identification of an account that is defined by the System Operator that sends the message. 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.
<b>Size</b>	The maximum length of the identification is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

121 **2.1.6.2 TYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of the type of the account
<b>Description</b>	The identification of the type of the account: The following types are permitted: ZOC = Internal account ZOD = Supplier Account ZOE = Shipper Account ZOF = System Operator Account ZUI = Total Market Account (Reference Edig@s AccountTypeType code list).)
<b>Size</b>	The maximum length of the role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

## 122 2.1.6.3 ACCOUNTTSO - CODINGScheme

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the System Operator that created the account identified in the identification attribute.
<b>Description</b>	The System Operator that created the account identification that is provided in the identification attribute.  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.
<b>Size</b>	The maximum length of the identification is 16 alphanumeric characters.  The maximum length of the coding scheme is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are dependent.
<b>Dependence requirements</b>	The AccountTso is required if the identification of the System Operator that created the account is ambiguous.

## 123 2.1.6.4 EXTERNALACCOUNT - CODINGScheme

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of an account of a counter party.
<b>Description</b>	The identification of an account of the counter party 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 "ZSO" for a System Operator party code.
<b>Size</b>	The maximum length of the external account identification is 16 alphanumeric characters.  The maximum length of the coding scheme is 3 alphanumeric characters
<b>Applicability</b>	Both the external account identification and the coding scheme are dependent.
<b>Dependence requirements</b>	The external account is required if the identification of the counter party account is required.

## 124 2.1.6.5 EXTERNALACCOUNTTSO - CODINGScheme

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the System Operator that created the external account identification.
<b>Description</b>	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.
<b>Size</b>	The maximum length of the identification is 16 alphanumeric characters.  The maximum length of the coding scheme is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are dependent.
<b>Dependence requirements</b>	The ExternalAccountTso is required if the identification of the System Operator that created the account is ambiguous.

125 **2.1.7 RULES GOVERNING THE TIME SERIES CLASS**126 There may be one or several Time Series classes associated with a Market Area class, Connection Point  
127 class or an Account class.128 **2.1.7.1 TYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of the type of time series that is being described.
<b>Description</b>	The identification of the type of time series being described. The following types are permitted: ZXJ = Opening Position Z XK = Closing Position ZXL = Transaction ZXM = Imbalance ZFF = Projected closing line pack ZFG = Consumption ZFH = Metered consumption ZFI = Profiled consumption Z01 = Allocated. Z02 = Nominated. Z03 = Measured. Z04 = Confirmed. Z40 = Correction for imbalance. Z41 = Allocated maximum hourly gas flow. Z42 = Negative correction to allocated amount (decrease). Z43 = Positive correction to allocated amount (increase). (Reference Edig@s BusinessType code list)
<b>Size</b>	The type may not exceed 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

129 **2.1.7.2 MEASUREUNIT.CODE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The unit of measure which is applied to all the quantities within a time series.
<b>Description</b>	The unit of measurement used for all the quantities within a time series. The following are the codes recommended for use: KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d) KWH = Kilowatt hours. (Note: A value that cannot be allocated to a given hourly value). (Reference Edig@s UnitOfMeasureType code list).
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

130 **2.1.7.3 CURRENCY.CODE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The currency in which a price is expressed.
<b>Description</b>	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 codes.
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This information is only provided if there is a price class.

131 **2.1.7.4 GASUSAGE\_AVAILABILITY.TYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the type of availability..
<b>Description</b>	The availability type indicating the nature of gas usage for a given type of allocation. The following types are permitted: ZEX = Servitude gas. Gas used for servitude purposes (technological) ZEY = Operational TSO usage Z EZ = Gas in kind. (Reference Edig@s AvailabilityType code list
<b>Size</b>	The maximum length of the type is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This information is used depending on local market rules.

132 **2.1.8 RULES GOVERNING THE PERIOD CLASS**

133 There may be one to many Period classes for a time series.

134 **2.1.8.1 TIMEINTERVAL**

ACTION	DESCRIPTION
<b>Definition of element</b>	The start and end date and time of the period being reported.
<b>Description</b>	This information provides the start and end date and time of the period being reported. The start date and time shall always begin on a gas day boundary
<b>Size</b>	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.



## 135 2.1.8.2 STATUS.CODE

ACTION	DESCRIPTION
<b>Definition of element</b>	The status of the information provided in the time interval period.
<b>Description</b>	This information provides status of the information provided in the time interval period. The following status codes are permitted: 03G = Estimated value. 04G = Provisional value. 05G = Definitive value. 21G = Value estimated by Network company, after consultation of other parties. (Reference Edig@s StatusType code list)
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This information is used depending on local market rules.

## 136 2.1.8.3 ACCOUNTDIRECTION.CODE

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of an account movement.
<b>Description</b>	This identifies the direction of an account movement. Permitted codes are: ZPD = Debit quantity. ZPE = Credit Quantity. (Reference Edig@s AccountDirectionType code list).
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This information is provided if there is an account quantity

## 137 2.1.8.4 ACCOUNTDIRECTION.ACCOUNT\_QUANTITY.AMOUNT

ACTION	DESCRIPTION
<b>Definition of element</b>	The quantity for the account within the time interval in question.
<b>Description</b>	This information defines the quantity for the account 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.
<b>Size</b>	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.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This information is provided when the time series is dependent on an account. This is not used when the document type corresponds to 95G and 96G.

138

**2.1.8.5 STRESSFACTOR\_RATE.VALUE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The shortness or longness related to a defined quantity.
<b>Description</b>	<p>A ratio defined for "Imbalance" and "Projected closing Line pack" to determine a rapid status of the stress brought to the network by the corresponding quantity (in kWh / day). For example, the Range may be between "-3" (very short) and "+3" (very long).</p> <p>A decimal point value may be used to express values that are inferior to the defined unit of measurement.</p> <p>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 (".").</p>
<b>Size</b>	<p>The maximum length of this information is 17 numeric characters (decimal mark included). All leading zeros are to be suppressed.</p> <p>The number of decimal places identifying the fractional part of the quantity depends on local market rules.</p>
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The information is only provided for time series types ZXM and ZFF. It is dependent on local market rules.

139

**2.1.8.6 K0FACTOR\_RATE.VALUE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Ratio between profiled and non-profiled (metered) information for distribution networks allowing shippers to calculate the global input for their end consumers
<b>Description</b>	<p>The ratio between non-daily metered and daily metered quantities for distribution networks.</p> <p>A decimal point value may be used to express values that are inferior to the defined unit of measurement.</p> <p>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 (".").</p>
<b>Size</b>	<p>The maximum length of this information is 17 numeric characters (decimal mark included). All leading zeros are to be suppressed.</p> <p>The number of decimal places identifying the fractional part of the quantity depends on local market rules.</p>
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The ratio is only provided if different categories of metered information are available.

140

**2.1.9 RULES GOVERNING THE QUANTITY CLASS**

141 There may be zero to many quantity classes for a period.

142

**2.1.9.1 DIRECTION.CODE**

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

143 **2.1.9.2 AMOUNT**

ACTION	DESCRIPTION
<b>Definition of element</b>	The quantity for the referenced object in compliance with the business type and type within the time interval in question.
<b>Description</b>	This information defines the quantity for the referenced object (market area, connection point or account) in compliance with the business type and type 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.
<b>Size</b>	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.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

144 **2.1.9.3 TYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The type of the quantity.
<b>Description</b>	This information provides the type of the quantity. The current types permitted for this code are: ZXD = Firm ZXE = Makeup ZXF = Interruptible ZXG = Conditional (Reference Edig@s QuantityTypeType code list)
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This information is only provided in the case where the nature of the quantity has to be defined.

145 **2.1.10 RULES GOVERNING THE PRICE CLASS**

146 There may be zero to many price classes for a period.

147 **2.1.10.1 AMOUNT**

ACTION	DESCRIPTION
<b>Definition of element</b>	The price forecast for a given action.
<b>Description</b>	This information provides the price that is forecast for a given action. 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.
<b>Size</b>	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.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

**2.1.10.2 TYPE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	A code that is giving a specific meaning to a price.
<b>Description</b>	This information provides the type of the price. The current types permitted for this code are: Z09 = Weighted average. Z10 = Marginal buy price. Z11 = Marginal sell price. (Reference Edig@s PriceType code list)
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This information is only provided in the case where the specific nature of the price has to be defined. (by default the price type is "normal")

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150 **3 DOCUMENT CHANGE LOG**

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Package	Version	Date	Description
<b>5.1</b>	1	2015-09-02	Initial release
<b>5.1</b>	2	2016-01-11	Revise the document to clarify codes and the stress factor and K0 factor. Approved Edigas workgroup 2016-03-02
<b>5.1</b>	3	2017-06-06	Alignment of names of attributes (Issuer to Issuer_MarketParticipant; Recipient to Recipient_MarketParticipant; Role to MarketRole. Minor editorial.
<b>5.1</b>	4	2018-02-15	Adjustments made to permit the MARSIT document to handle ALOCAT and ACCSIT messages. The changes are as follows: Section 2.1.2 to include the ALOCAT and ACCSIT business requirements. 2.1.3.3 to include the ALOCAT and ACCSIT document types 2.1.3.9 to include the Allocation Agent party. 2.1.6 Account Class: changed structure for compatibility with ACCSIT document by adding the optional attributes accountTso, ExternalAccount, and External AccountTso. 2.1.6.2 Added the type "EOC=internalAccount" 2.1.7.1 to include the ALOCAT and ACCSIT business types. 2.1.7.4 to include the gasUsage_Availability types for ALOCAT compatibility.
<b>5.1</b>	5	2018-07-11	Corrected error in the model to add XoR conditions and to make relations between the ConnectionPoint as well as the MarketArea with the TimeSeries optional. To add clarifying information on the different structural possibilities. Added issuer role for area coordinator. To remove the descriptions of codes from the document as they should only appear in the codelist. To add a decision table indicating code usage. Add new codes to the time series.

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