

SECTION

I

02

Sales Messages

REQUEST

Request Message

Version 4.0



EASEE-gas/Edig@s Workgroup

Document version: 2



COPYRIGHT & LIABILITY

The Edig@s Workgroup disclaims and excludes, and any user of the Edig@s Workgroup Implementation Guidelines acknowledges and agrees to the Edig@s Workgroup disclaimer of, any and all warranties, conditions or representations, express or implied, oral or written, with respect to the guidelines or any part thereof, including any and all implied warranties or conditions of title, non-infringement, merchantability, or fitness or suitability for any particular purpose (whether or not the Edig@s Workgroup knows, has reason to know, has been advised, or is otherwise in fact aware of any such purpose), whether alleged to arise by law, by reason of custom or usage in the trade, or by course of dealing. Each user of the guidelines also agrees that under no circumstances will the Edig@s Workgroup be liable for any special, incidental, exemplary, punitive or consequential damages arising out of any use of, or errors or omissions in, the guidelines.

TABLE OF CONTENTS

1	INTRODUCTION.....	4
1.1	Functional definition	4
1.2	Principles.....	4
1.3	Field of application	4
1.4	References	4
2	INFORMATION MODEL OF REQUEST	5
2.1	Information model Structure	5
2.2	Information model description	6
2.2.1	<i>Rules governing the Request Document Class</i>	<i>6</i>
2.2.2	<i>Rules governing the Contractual Offtake Possibility Class</i>	<i>9</i>
2.2.3	<i>Rules governing the Buyer Request Class</i>	<i>11</i>
2.2.4	<i>Rules governing the Connection Point Class</i>	<i>12</i>
2.2.5	<i>Rules governing the Destination Shipper Account Class</i>	<i>13</i>
2.2.6	<i>Rules governing the Gas Quantity Nature Class</i>	<i>13</i>
2.2.7	<i>Rules governing the Period Class</i>	<i>14</i>
2.2.8	<i>Rules governing the Gcv Conversion Information Class</i>	<i>15</i>
3	EDIFACT IMPLEMENTATION OF REQUEST	17
3.1	Edig@s subset of the UN/EDIFACT UTILTS Branching Diagram.....	17
3.2	EDIFACT Template Description	18
4	XML IMPLEMENTATION OF REQUEST.....	28
4.1	XML Structure	28
4.2	XML Schema	29
4.2.1	<i>Introduction.....</i>	<i>29</i>
4.2.2	<i>Schema</i>	<i>29</i>
5	DOCUMENT CHANGE LOG.....	33

Please note that as of version 5 of the Edig@s message set;
only the XML syntax shall be supported
This is in compliance with the EASEE-gas CBP 2007-005/01

1 INTRODUCTION

This document provides the definition of the Edig@s Request - REQUEST - message to be used in Electronic Data Interchange (EDI) between Gas Companies.

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

1.1 FUNCTIONAL DEFINITION

A message used by a Buyer to advise a Seller about his requirements for gas to be delivered to one or more locations for a given number of shippers during a defined period. This message is also used by a Service User to advise a Service provider about his requirements for the used of a service during a defined period.

The current definition of the message, as described in this guideline reflects its use in the current Gas Industry procedure. It does not however preclude the use of this message between other parties than those indicated in this description. The criteria for the use of the message should be its functionality rather than the parties involved.

1.2 PRINCIPLES

Where agreements exist between parties, the REQUEST message is used by one party to indicate his requirements or to confirm his agreement to a changed availability as advised by the other party for a specified period.

In the event of changed availability, changed offtake possibilities and/or quality deficient gas there may be a need to issue a new request.

1.3 FIELD OF APPLICATION

The Request information relates to a defined period. It may be used:

- By a Buyer to a Seller to inform him of a forecast (non binding) or an order (binding) of gas requirements.
- By a Buyer to a Seller to inform him of a forecast (non binding) or an order (binding) of service usage.
- To confirm the changed quantities or qualities provided by a Seller or Service Provider in an AVAILY message.
- To request the delivery and/or redelivery in another location.
- To provide the Seller or Service Provider with the shipper accounts to whom the gas is to be provided.

In most cases this message will trigger a response from the recipient of the message. This response is the request response message – REQRES - that is described in Part I.03 of the Edig@s MIG.

1.4 REFERENCES

The content of the REQUEST message is based on the definition of terms and codes as agreed by the Edig@s Workgroup.

2.1 INFORMATION MODEL STRUCTURE

2.2 INFORMATION MODEL DESCRIPTION

2.2.1 Rules governing the Request Document Class

2.2.1.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Unique identification of the document describing the request.
Description	<p>A Request document must have a unique identification assigned by the initiator of the document to be sent to a recipient.</p> <p>The identification must take the following form: REQUEST followed by the date in the form YYYYMMDD followed by the letter "A" followed by a 5 character sequential number (e.g. 00001) providing the unique identification of the document. Example "REQUEST20090101A00001".</p> <p>The sender must guarantee that this identification is unique over time</p>
Size	The identification of a Request document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

2.2.1.2 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	<p>This identifies the type of Request Document that is being sent. The following types of Request Document are currently permitted:</p> <p>35G = Offtake Forecast (non binding). An operational document issued by the buyer or service user to advise the seller or service provider about the forecasted quantity he intends to request. Information exchanged in an offtake forecast is non-binding.</p> <p>38G = Offtake notice (binding). An operational document issued by the buyer or service user to advise the seller or service provider about the quantity he formally requests. Information exchanged in an offtake notice is binding.</p>
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.1.3 CREATION DATE AND TIME

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

2.2.1.4 VALIDITY PERIOD

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.

2.2.1.5 CONTRACT REFERENCE

ACTION	DESCRIPTION
Definition of element	Identification of the contract reference that governs the documents contains.
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 mandatory.
Dependence requirements	None.

2.2.1.6 CONTRACT TYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of contract reference that has been identified.
Description	<p>This identifies the type of contract reference that has been described.</p> <p>Three types of contract reference may be identified:</p> <ul style="list-style-type: none"> • Z11 = A contract group identification when the document relates to different contracts that belong to the same contract group. If this type of identification is used different specific contracts must be identified at the connection point level. • CT = A contract identification when only one contract is relevant for the whole document. • ZSC = A contract identification that is referring to a service contract. <p>Z11 is only possible for a sales contract. It also implies that the offtake type can only be ZA2 (Buyers Maximum Offtake Possibility – MOP) or ZA4 (Buyers Minimum Offtake Possibility – mop). The Request Type may only be ZBQ (Buyers request for offtake) and the Gas Delivery Type may only be Z02 (Output).</p>
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.1.7 BUYER IDENTIFICATION – CODING SCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who has initiated the document.
Description	<p>The initiator 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. In the case of a Request Document it is always the Buyer or the Service User.</p> <p>The codification scheme used for the coded identification is indicated by the coding scheme attribute and should indicate either the code "321" if it is an Edig@s code or the code "305" if it is an EIC code.</p>
Size	<p>The maximum length of an initiator's identification is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

2.2.1.8 SELLER IDENTIFICATION – CODING SCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	The receptor of the document is identified by a unique coded identification. In the case of a Request Document it is always the Seller or Service Provider. The codification scheme used for the coded identification is indicated by the coding scheme attribute and should indicate either the code "321" if it is an Edig@s code or the code "305" if it is 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.

2.2.1.9 BUYER ROLE

ACTION	DESCRIPTION
Definition of element	Identification of the role of the receptor.
Description	This identifies the receptor identified in the document. The following roles have been identified: BY = Buyer ZTW = User dispatching service
Size	The maximum length of the information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	For upwards compatibility purposes with a previous release where the role did not exist, if the role is absent it is considered as "buyer" by default..

2.2.1.10 SELLER ROLE

ACTION	DESCRIPTION
Definition of element	Identification of the role of the initiator.
Description	This identifies the initiator identified in the document. The following roles have been identified: SE = Seller ZTV = Provider dispatching service
Size	The maximum length of the information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	For upwards compatibility purposes with a previous release where the role did not exist, if the role is absent it is considered as "seller" by default.

2.2.2 Rules governing the Contractual Offtake Possibility Class**2.2.2.1 TIME INTERVAL**

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the contractual offtake possibility 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.

2.2.2.2 OFFTAKE TYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of offtake that is being reported.
Description	This identifies the type of offtake that is being provided. The following offtake type possibilities have been identified: ZA2 = Buyer's Maximum Offtake Possibility – MOP ZA4 = Buyer's Minimum Offtake Possibility – mop ZA5 = Maximum input capacity available ZA6 = Maximum output capacity available ZA7 = Minimum input capacity to use ZA8 = Minimum output capacity to use
Size	The maximum length of the offtake type code is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.2.3 QUANTITY

ACTION	DESCRIPTION
Definition of element	The quantity of the capacity defined as offtake within the time interval in question.
Description	This information defines the quantity of the capacity defined as offtake 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 and sign, 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.

2.2.2.4 MEASUREUNIT

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) HM1 Million cubic meters per hour HM2 Million cubic meters per day TQH Thousand cubic meters per hour TQD Thousand cubic meters per day
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.3 Rules governing the Buyer Request Class

2.2.3.1 TIME INTERVAL

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the contractual offtake possibility 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.

2.2.3.2 REQUEST TYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of buyer request that is being reported.
Description	This identifies the type of buyer request that is being provided. The following buyer request possibilities have been identified: ZBQ = Buyer's request for offtake ZA9 = Capacity user request
Size	The maximum length of the request type code is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.3.3 QUANTITY

ACTION	DESCRIPTION
Definition of element	The quantity of the capacity may be requested by the buyer within the time interval in question.
Description	This information defines the quantity of the capacity that may be requested by the buyer within the time interval period. It corresponds to the quantity that the buyer or service user wants to and has the right to contractually take off. For example; it may be 110% of the DCQ or eventually 90% of the DCQ 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 and sign, 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.

2.2.3.4 MEASUREUNIT

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: <div style="margin-left: 40px;"> KW1 Kilowatt-hour per hour (kWh/h) KW2 Kilowatt-hour per day (kWh/d) HM1 Million cubic meters per hour HM2 Million cubic meters per day TQH Thousand cubic meters per hour TQD Thousand cubic meters per day </div>
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.4 Rules governing the Connection Point Class**2.2.4.1 CONNECTION POINT – CODING SCHEME**

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 should indicate either the code "321" if it is an Edig@s code, the code "305" if it is an EIC code, the code "9" if it is a GS1 code or the code "ZSO" if it is 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.

2.2.4.2 SUB CONTRACT REFERENCE

ACTION	DESCRIPTION
Definition of element	The identification of the sub contract that forms a part of a contract group.
Description	A Sub Contract Reference is used to identify the sub contract that forms a part of a contract group.
Size	The maximum length of this information is 35 alphanumeric characters.
Applicability	The Sub Contract Reference is dependent.
Dependence requirements	This is used only when a contract group reference has been defined at the Request Document class.

2.2.4.3 GAS DELIVERY TYPE

ACTION	DESCRIPTION
Definition of element	The identification of the direction that is applied to the gas delivery.
Description	The identification of the direction that the gas delivery will take. Two codes have been defined for this attribute: <div style="margin-left: 40px;"> Z01 = Input to the contract Z02 = Output from the contract </div>
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.5 Rules governing the Destination Shipper Account Class

2.2.5.1 DESTINATION SHIPPER ACCOUNT – CODING SCHEME

ACTION	DESCRIPTION
Definition of element	The identification of a destination shipper account.
Description	<p>The identification of a destination shipper account within a System Operator's system.</p> <p>The shipper Account is the Destination Shipper Account in the case of gas sales agreements (Request Type ZBQ).</p> <p>In the case of service agreements (Request Type ZA9) the delivery type of input (delivery) means the Origin Shipper and when it is output (re-delivery) it means Destination Shipper</p> <p>The codification scheme used for the coded identification is indicated by the coding scheme attribute and should indicate either the code "321" if it is an Edig@s code, the code "305" if it is an EIC code, the code "9" if it is a GS1 code or the code "ZSO" if it is a System Operator code.</p>
Size	<p>The maximum length of the destination shipper account identification is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme is 3 alphanumeric characters</p>
Applicability	Both the destination shipper account identification and the coding scheme are mandatory.
Dependence requirements	None.

2.2.6 Rules governing the Gas Quantity Nature Class

2.2.6.1 QUANTITY NATURE

ACTION	DESCRIPTION
Definition of element	The identification of the nature of the gas.
Description	<p>The identification of the nature of the gas requested. The gas quantity nature may have the following values:</p> <p>Z05 = Quality deficient gas quantity (note only allowed when the time series set is only for a connection point, i.e. when not related to a Shipper Account).</p> <p>Z06 = Buyers' Destination-Shippers' Offtake (general case) (Note: only allowed when the time series set is for a shipper account within a connection point, i.e. must be related to a Shipper Account).</p> <p>Z08 = Buyer's resultant offtake – BRO (note only allowed when the time series set is only for a connection point, i.e. when not related to a Shipper Account).</p> <p>Z33 = Capacity user resultant usage (note only allowed when the time series set is only for a connection point, i.e. when not related to a Shipper Account).</p> <p>Z34 = Originating shipper capacity usage (Note: only allowed when the time series set is for a shipper account within a connection point, i.e. must be related to a Shipper Account).</p> <p>Z35 = Destination shipper capacity usage (Note: only allowed when the time series set is for a shipper account within a connection point, i.e. must be related to a Shipper Account).</p>
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	The quantity nature is mandatory.
Dependence requirements	None.

2.2.7 Rules governing the Period Class

2.2.7.1 TIME INTERVAL

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.

2.2.7.2 QUANTITY

ACTION	DESCRIPTION
Definition of element	The quantity of the capacity being requested within the time interval in question.
Description	This information defines the quantity of the capacity being requested by the buyer 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 and sign, 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.

2.2.7.3 MEASUREUNIT

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: <div style="margin-left: 40px;"> KW1 Kilowatt-hour per hour (kWh/h) KW2 Kilowatt-hour per day (kWh/d) HM1 Million cubic meters per hour HM2 Million cubic meters per day TQH Thousand cubic meters per hour TQD Thousand cubic meters per day </div>
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.8 Rules governing the Gcv Conversion Information Class

2.2.8.1 TIME INTERVAL

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the GCV conversion factor for 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.

2.2.8.2 GCV CONVERSION FACTOR

ACTION	DESCRIPTION
Definition of element	The GCV conversion factor to be used for the interval in question
Description	This identifies the GCV conversion factor that is to be used for the time interval 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 values are non-signed values.
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 value depends on local market rules.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.8.3 CONVERSION FACTOR TYPE

ACTION	DESCRIPTION
Definition of element	The type of conversion factor that is used
Description	This information identifies the type of conversion factor used. The following codes have been identified: ZGF = Nominated GCV ZGV = GCV conversion
Size	The maximum length of this information is 3 alphanumeric characters
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.8.4 CONVERSION MEASURE UNIT

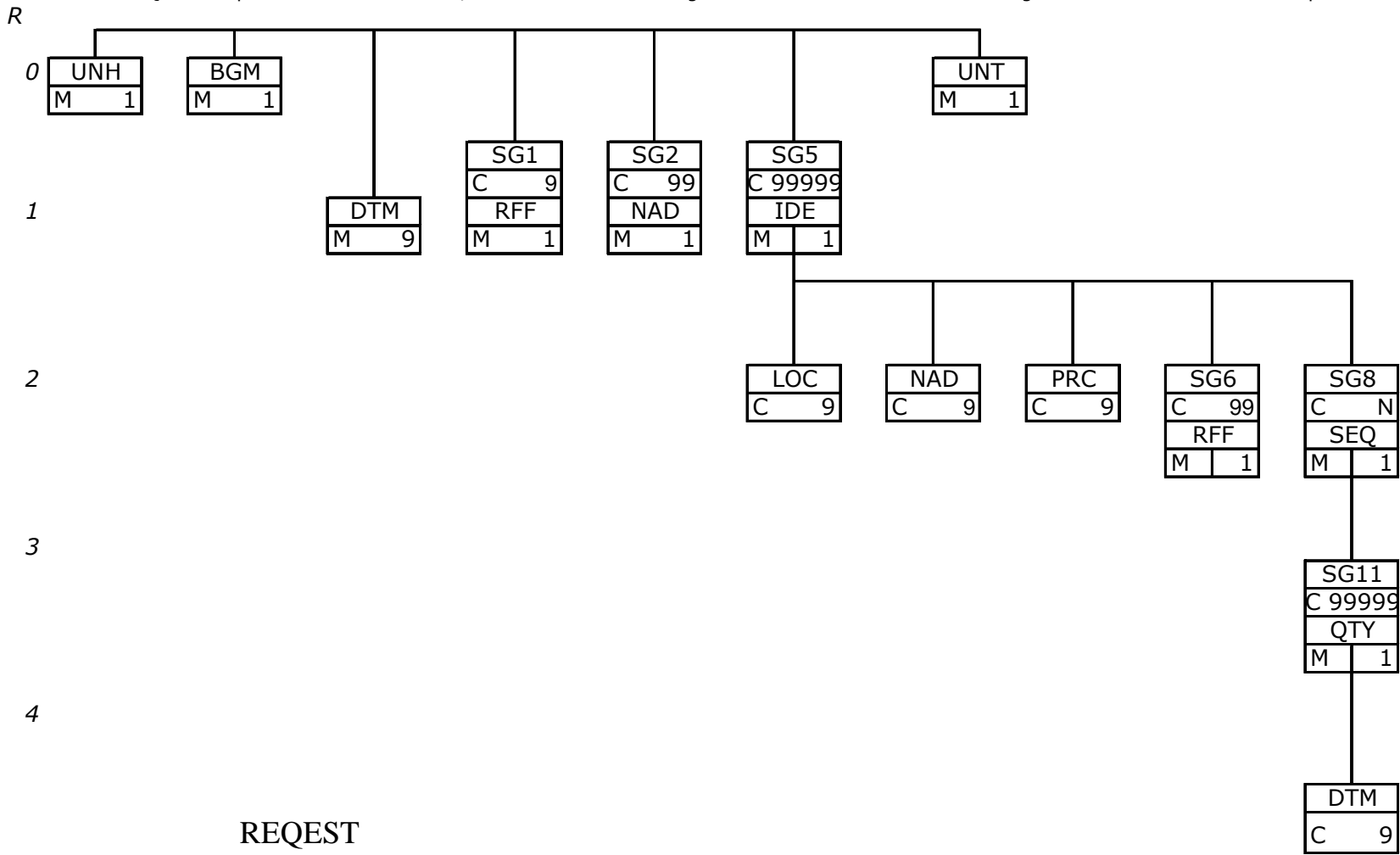
ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to the quantities in which the time series is expressed.
Description	The unit of measurement used for the quantities expressed within the time series. The following are the codes recommended for use: KW3 Kilowatt hour per cubic meter (kWh/m ³) BAR Bar or kPa KC2 Kilocalorie per normal m ³ (kcal/nm ³)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

3 EDIFACT IMPLEMENTATION OF REQUEST

Note: The Information Model Description in section 2 shall always take precedence if there is any contradictory information provided in this section.

3.1 EDIG@S SUBSET OF THE UN/EDIFACT UTILTS D.08B BRANCHING DIAGRAM

The REQUEST template is based on the UN/EDIFACT UTILTS message. This structure illustrates what segments will be used in this template.



3.2 EDIFACT Template Description

This template is applicable when the REQUEST message is used for the following purpose(s):

Message purpose	BGM -1001 =
Offtake Forecast (non binding): An operational document issued by the buyer or service user to advise the seller or service provider about the forecasted quantity he intends to request. Information exchanged in an offtake forecast is non-binding.	35G
Offtake Notice (binding): An operational document issued by the buyer or service user to advise the seller or service provider about the quantity he formally requests. Information exchanged in an offtake notice is binding.	38G

The segments are shown in abbreviated form. For a full description of the segments refer to the description as found in section V Segment Directory.

HEADER SECTION

The content of UN/EDIFACT Interchange segments UNB/UNZ are defined in the general introduction. The basic principle for an [Edig@s](#) Interchange being that there shall be only one UN/EDIFACT Message per Interchange.

UNH – M	0010 - MESSAGE HEADER – To head, identify and specify a Message			
0062	M	an..14	MESSAGE REFERENCE NUMBER	Unique message reference assigned by the sender.
S009:0065	M	an..6	Message type	Code identifying a type of message and assigned by its controlling agency. REQUEST (=Request Message)
S009:0052	M	an..3	Message version number	Version number of a message type. 1 (=Message Implementation Guide version number)
S009:0054	M	an..3	Message release number	Release number within the current message type version number (0052). 0
S009:0051	M	an..2	Controlling agency	Code to identify the agency controlling the specification, maintenance and publication of the message type. EG (=Edig@s)
S009:0057	M	an..6	Association assigned code	A code assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message. EGAS40 (=Edig@s subset identification)
0068	N	an..35	COMMON ACCESS REFERENCE	Reference serving as a key to relate all subsequent transfers of data to the same business case or file. NOT USED
S010:0070	N	n..2	Sequence of transfers	Number assigned by the sender indicating the numerical sequence of one or more transfers. NOT USED
S010:0073	N	a1	First and last transfer	Indication used for the first and last message in a sequence of the same type of message relating to the same topic. NOT USED
Remarks	There is one mandatory occurrence of UNH per message.			
Example	UNH+1+REQUEST:1:0:EG:EGAS40'			

BGM-M		BEGINNING OF MESSAGE – To indicate the type and function of a message and to transmit the identifying number.		
C002:1001	M	An..3	Document name code	Code specifying the document name. <i>See restricted code list below</i>
C002:1131	N	An..3	Code list identification code	Code identifying a user or association maintained code list NOT USED
C002:3055	M	An..3	Code list responsible agency	Code identifying a user or association maintained code list. 321 (=Edig@s)
C002:1000	N	An..35	Document name	Name of a document. NOT USED
C106:1004	M	An..35	Document identifier	To identify a document. <i>See section 2.2.1.1</i>
C106:1056	N	An..9	Version identifier	To identify a version. NOT USED
C106:1060	N	An..6	Revision identifier	To identify a revision NOT USED
1225	M	An..3	MESSAGE FUNCTION CODE	Code indicating the function of the message. 9 (=Original)
4343	N	An..3	RESPONSE TYPE CODE	Code specifying the type of acknowledgment required or transmitted. NOT USED
Remarks	There is one mandatory occurrence of BGM per message.			
Attention	The following structure for the message number in BGM-1004 is mandatory in the Edig@s messages: 6 character message code + a unique identification			
Example	BGM+35G::321+REQEST20090101A00001+9'			

Restricted code list for BGM-C002:1001

35G	Offtake forecast
38G	Offtake notice

DTM - M	
Remarks	<i>There are 3 mandatory occurrences of DTM at message header level in the Edig@s messages. For more details regarding the mandatory use of DTM at header level in the Edig@s messages see item 4 in the Introduction to the Edig@s MIG.</i>

DTM.1 - M		DATE/TIME/PERIOD - To specify date, and/or time, or period. It identifies the time definition		
C507:2005	M	an..3	Date or time or period function code qualifier	Code qualifying the function of a date, time or period. 205 (=Time definition)
C507:2380	M	an..35	Date or time or period text	The value of a date, a date and time, a time or of a period in a specified representation. 0 (=UTC)
C507:2379	M	an..3	Date or time or period format code	Code specifying the representation of a date, time or period. 805 (=Hour)
Remarks	All times indicated in this message must be expressed according to this same metrology. Recommendation: Edig@s strongly recommends using UTC as the standard time metrology. See also the Introduction to the Edig@s MIG.			
Example	DTM+Z05:0:805'			

DTM.2 - M		DATE/TIME/PERIOD - To specify date, and/or time, or period. It identifies the date and time of the message		
C507:2005	M	an..3	Date or time or period function code qualifier	Code qualifying the function of a date, time or period. 137 (=Document/message date/time)
C507:2380	M	an..35	Date or time or period text	The value of a date, a date and time, a time or of a period in a specified representation. <i>Date/time in format as indicated in C507:2379</i>
C507:2379	M	an..3	Date or time or period format code	Code specifying the representation of a date, time or period. 203 (=CCYYMMDDHHMM)
Remarks				
Example	DTM+137:200309051506:203'			

DTM.3 – M				
DATE/TIME/PERIOD - To specify date, and/or time, or period. It identifies the (validity) period covered by the message				
C507:2005	M	an..3	Date or time or period function code qualifier	Code qualifying the function of a date, time or period. Z01 (=Period identification)
C507:2380	M	an..35	Date or time or period text	The value of a date, a date and time, a time or of a period in a specified representation. <i>Date/time in format as indicated in C507:2379</i>
C507:2379	M	an..3	Date or time or period format code	Code specifying the representation of a date, time or period. 719 (=CCYYMMDDHHMMCCYYMMDDHHMM)
Remarks				
Example DTM+Z01:200309090400200309160400:719'				

SG1 – M		RFF		
Remarks		<i>The mandatory segment group 1 consists only of RFF.</i> <i>There will be only one occurrence of segment group 1 at header level to provide:</i> <ul style="list-style-type: none"> ➤ <i>The contract group identification when the message relates to different contracts that belong to the same contract group. This contract group must be identified in the RFF segment at header level while the different contracts must be identified in the RFF segment at detail level.</i> ➤ <i>The contract identification when only one contract is relevant for the whole message.</i> 		

RFF – M				
REFERENCE – To specify a reference. Identifies the contract (group) relevant for this message				
C506:1153	M	an..3	Reference code qualifier	Code qualifying a reference. <i>See restricted qualifier code list below</i>
C506:1154	M	an..35	Reference identifier	Identifies a reference. <i>Mutually agreed contract identification</i>
C506:1156	N	an..6	Document line identifier	To identify a line of a document. NOT USED
C506:1056	N	an..9	Version identifier	To identify a version. NOT USED
C506:1060	N	an..6	Revision identifier	To identify a revision. NOT USED
Remarks				
Example RFF+CT:TRABCRR01'				

Restricted qualifier code list for RFF-C506:1153	
CT	Contract reference
Z11	Contract group reference
ZSC	Service contract

SG2 – M	NAD
Remarks	<i>The mandatory segment group 2 consists of a NAD segment to identify the party - (mandatory) The EDIFACT guidelines indicate that the identification of the initiator and the receptor is mandatory.</i>

NAD - M	NAME AND ADDRESS – To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.			
	This identifies the initiator and receptor concerned by the message			
3035	M	an..3	PARTY FUNCTION CODE QUALIFIER	Code giving specific meaning to a party. <i>See restricted qualifier code list below</i>
C082:3039	M	an..35	Party identifier	Code specifying the identity of a party.
C082:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. NOT USED
C082:3055	M	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. <i>See restricted qualifier code list below</i>
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. NOT USED
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. NOT USED
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. NOT USED
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. NOT USED
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. NOT USED
C080:3036	N	an..35	Party name	Name of a party. NOT USED
C080:3036	N	an..35	Party name	Name of a party. NOT USED
C080:3036	N	an..35	Party name	Name of a party. NOT USED
C080:3036	N	an..35	Party name	Name of a party. NOT USED
C080:3036	N	an..35	Party name	Name of a party. NOT USED
C080:3045	N	an..3	Party name format code	Party name format code NOT USED
C059:3042	N	an..35	Street and number or post office box identifier x	To identify a street and number and/or Post Office box number. NOT USED
C059:3042	N	an..35	Street and number or post office box identifier x	To identify a street and number and/or Post Office box number. NOT USED
C059:3042	N	an..35	Street and number or post office box identifier x	To identify a street and number and/or Post Office box number. NOT USED
C059:3042	N	an..35	Street and number or post office box identifier x	To identify a street and number and/or Post Office box number. NOT USED
3164	N	an..35	CITY NAME	Name of a city. NOT USED
C819:3229	N	an..9	Country subdivision identifier	To identify a country subdivision, such as state, canton, county, prefecture. NOT USED
C819:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. Not used NOT USED
C819:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
C819:3228	N	an..70	Country subdivision name	Name of a country subdivision, such as state, canton, county, prefecture. NOT USED
3251	N	an..17	POSTAL IDENTIFICATION CODE	Code specifying the postal zone or address. NOT USED
3207	N	an..3	COUNTRY IDENTIFIER	Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3. NOT USED
Remarks				
Example	NAD+BY+BUY123::321'			

Restricted qualifier code list for NAD-3035	
BY	Buyer
SE	Seller
ZTV	Dispatching service of provider
ZTW	Dispatching service of user

Restricted qualifier code list for NAD-C082-3055	
321	Assigned by Edig@s
305	Assigned by ETSO (EIC)
ZZZ	Mutually defined

DETAIL SECTION

SG05 – M	IDE-LOC-NAD-PRC-SG06-SG08
Remarks	<p>The mandatory segment group 05 (IDE-loop) identifies the different time series that are used in the REQUEST message. The segment group consists of:</p> <ul style="list-style-type: none"> ➤ IDE to uniquely identify the type of time series being handled – (mandatory) ➤ LOC to provide the identification of the connection point in the case of connection point time series – (conditional) ➤ NAD to provide the identification of the target shipper account in the case of a connection point time series for shipper accounts – (conditional) ➤ PRC to provide the gas delivery type (conditional) ➤ SG06-[RFF] to provide a time series related contract reference – (conditional) ➤ SG08-[SEQ-SG11] to provide the time series detail – (mandatory) <p>There are 4 types of SG05 repetitions:</p> <ol style="list-style-type: none"> 1. A contractual Offtake Possibility time series set which contains IDE-SG08 only 2. A Buyer request time series set which contains IDE-SG08 only 3. A connection point only which contains IDE-LOC-SG06(conditional)-SG08 only 4. A connection point for a shipper account which contains IDE-LOC-NAD-SG06(conditional)-SG08 only

IDE-M	IDENTITY – To identify an object. To identify a type of time series.			
7495	M	an..3	OBJECT TYPE CODE QUALIFIER	Code qualifying a type of object. 1 (=Value list)
C206:7402	M	an..35	Object identifier	Code specifying the unique identity of an object. <i>See restricted code list below</i>
C206:7405	N	an..3	Object identification code qualifier	Code qualifying the identification of an object. NOT USED
C206:4405	N	an..3	Status description code	Code specifying a status. NOT USED
C082:3039	N	an..35	Party identifier	Code specifying the identity of a party. NOT USED
C082:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. Not used. NOT USED
C082:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
4405	N	an..3	STATUS DESCRIPTION CODE	Code specifying a status. NOT USED
1222	N	an..17	CONFIGURATION LEVEL NUMBER	To specify a level within a configuration. NOT USED
C778:7164	N	an..3	Hierarchical structure level identifier	To identify a level within a hierarchical structure. NOT USED
C778:1050	N	an..256	Sequence position identifier	To identify a position in a sequence. NOT USED
C240:7037	N	an..17	Characteristic description code	A code specifying a characteristic. NOT USED
C240:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. NOT USED
C240:3055	N	an..3	Code list responsible agency code	Code identifying a user or association maintained code list. NOT USED
C240:7036	N	an..70	Characteristic description	Free form description of a characteristic. NOT USED
C240:7036	N	an..70	Characteristic description	Free form description of a characteristic. NOT USED
Remarks	<p>The IDE segment is used to identify a specific time series type. In the case of Contractual Offtake Possibility and Buyer Request time series the segments LOC and NAD MUST not be present.</p> <p>In the case of a connection point time series that gas quantity nature information that is specific to the connection point SG05 shall be repeated with the code 03G and the NAD segment MUST not be provided.</p>			
Example	IDE+1+01G'			

Restricted qualifier code list for IDE-C206:7402	
01G	Contractual Offtake Possibility Time series
02G	Buyer request time series
03G	Connection Point Time Series

LOC - C		LOCATION – To identify a place or a location and/or related locations. Identifies the connection Point relevant to the time series		
3227	M	an..3	LOCATION FUNCTION CODE QUALIFIER	Code identifying the function of a location. <i>Z19 (= connection point)</i>
C517:3225	M	an..35	Location identification	To identify a location. <i>The identification of a connection point.</i>
C517:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. NOT USED
C517:3055	M	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. <i>See restricted code list below</i>
C517:3224	N	an..256	Location name	Name of the location. NOT USED
C519:3223	N	an..35	First related location identifier	To identify a first related location. NOT USED
C519:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. NOT USED
C519:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
C519:3222	N	an..70	First related location name	Name of first related location. NOT USED
C553:3233	N	an..35	Second related location identifier	To identify a second related location. NOT USED
C553:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. NOT USED
C553:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
C553:3232	N	an..70	Second related location name	Name of the second related location. NOT USED
5479	N	an..3	RELATION CODE	Code specifying a relation. NOT USED
Remarks		<i>Within a connection point time series a connection point is mandatory. A connection point is never defined for a Contractual Offtake Possibility time series or a Buyers Request Time series.</i>		
Example		LOC+Z19+DEESS::321'		

Restricted code list for LOC-C517:3055	
9	GS1
305	Assigned by ETSO (EIC)
321	Assigned by Edig@s
ZSO	Assigned by System Operator

NAD - C		NAME AND ADDRESS – To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207. This identifies the shipper account within a connection point time series		
3035	M	An..3	PARTY FUNCTION CODE QUALIFIER	Code giving specific meaning to a party. ZSH (= shipper)
C082:3039	M	An..35	Party identifier	Code specifying the identity of a party. <i>Code specifying the target shipper account</i>
C082:1131	N	An..17	Code list identification code	Code identifying a user or association maintained code list. NOT USED
C082:3055	M	An..3	Code list responsible agency code	Code specifying the agency responsible for a code list. <i>See restricted code list below</i>
C058:3124	N	An..35	Name and address description	Free form description of a name and address line. NOT USED
C058:3124	N	An..35	Name and address description	Free form description of a name and address line. NOT USED
C058:3124	N	An..35	Name and address description	Free form description of a name and address line. NOT USED
C058:3124	N	An..35	Name and address description	Free form description of a name and address line. NOT USED
C058:3124	N	An..35	Name and address description	Free form description of a name and address line. NOT USED
C080:3036	N	An..35	Party name	Name of a party. NOT USED
C080:3036	N	An..35	Party name	Name of a party. NOT USED
C080:3036	N	An..35	Party name	Name of a party. NOT USED
C080:3036	N	An..35	Party name	Name of a party. NOT USED
C080:3036	N	An..35	Party name	Name of a party. NOT USED
C080:3045	N	An..3	Party name format code	Party name format code NOT USED
C059:3042	N	An..35	Street and number or post office box identifier x	To identify a street and number and/or Post Office box number. NOT USED
C059:3042	N	An..35	Street and number or post office box identifier x	To identify a street and number and/or Post Office box number. NOT USED
C059:3042	N	An..35	Street and number or post office box identifier x	To identify a street and number and/or Post Office box number. NOT USED
C059:3042	N	An..35	Street and number or post office box identifier x	To identify a street and number and/or Post Office box number. NOT USED
3164	N	An..35	CITY NAME	Name of a city. NOT USED
C819:3229	N	An..9	Country subdivision identifier	To identify a country subdivision, such as state, canton, county, prefecture. NOT USED
C819:1131	N	An..17	Code list identification code	Code identifying a user or association maintained code list NOT USED
C819:3055	N	An..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
C819:3228	N	An..70	Country subdivision name	Name of a country subdivision, such as state, canton, county, prefecture. NOT USED
3251	N	An..17	POSTAL IDENTIFICATION CODE	Code specifying the postal zone or address. NOT USED
3207	N	An..3	COUNTRY IDENTIFIER	Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3. NOT USED
Remarks	Within a Connection point time series a target shipper account is mandatory and only allowed for Seller to Buyer delivery and Buyer to Seller delivery.			
Example	NAD+ZSH+SEL456::321'			

Restricted code list for NAD-C082:3055	
9	GS1
305	Assigned by ETSO (EIC)
321	Assigned by Edig@s
ZSO	Assigned by System Operator

PRC – C		PROCESS IDENTIFICATION – To identify a process. Identifies whether the flow at the connection point is an input or an output to contract or service.		
C242:7187	M	an..17	Process type description code	Code specifying a type of process. <i>The identification of the flow to a connection point.</i>
C242:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. NOT USED
C242:3055	M	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. <i>See restricted code list below</i>
C242:7186	N	an..35	Process type description	Free form description of a type of process. NOT USED
C242:7186	N	an..35	Process type description	Free form description of a type of process. NOT USED
C830:7191	N	an..17	Process description code	Code specifying a process. NOT USED
C830:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. NOT USED
C830:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
C830:7192	N	an..70	Process description	Free form description of a process. NOT USED
Remarks		<i>for a connection point time series a connection point may need the identification of a gas delivery type. The type may be either input or output.</i>		
Example		PRC+Z01::321'		

Restricted code list for PRC-C242:3055	
9	GS1
305	Assigned by ETSO (EIC)
321	Assigned by Edig@s
ZSO	Assigned by System Operator

Restricted code list for PRC-C242:7187	
Z01	Input to the contract
Z02	Output from the contract

SG06 – C		RFF
Remarks		<i>The conditional segment group 6 consists only of RFF and it will have only one occurrence containing the sub-contract identification when a contract group identification has been specified at the header level in segment group 1.</i>

RFF – M		REFERENCE – To specify a reference. Identifies the sub-contract that is relevant for this connection point		
C506:1153	M	An..3	Reference code qualifier	Code qualifying a reference. CT (=contract reference)
C506:1154	M	An..35	Reference identifier	Identifies a reference. <i>Mutually agreed sub contract identification</i>
C506:1156	N	An..6	Document line identifier	To identify a line of a document. NOT USED
C506:1056	N	An..9	Version identifier	To identify a version. NOT USED
C506:1060	N	An..6	Revision identifier	To identify a revision. NOT USED
Remarks				
Example		RFF+CT:TRABCRR01'		

SG08 – M	SEQ – SG11
Remarks	<i>The mandatory segment group 8 is used to identify a specific time series set. It is composed of SEQ to identify the type of time series and SG11 (QTY-DTM) that provides the time series for the period in question.</i>

SEQ - M	To provide details relating to the sequence.			
1229	M	An..3	ACTION CODE	Code specifying the action to be taken or already taken. 8 (=Schedule only)
C286:1050	M	An..10	Sequence position identifier	To identify a position in a sequence. <i>See restricted code list below</i>
C286:1159	C	An..3	Sequence identifier source code	Code specifying the source of a sequence identifier. <i>See restricted code list below for the gas quantity nature codes to be used</i>
C286:1131	N	An..17	Code list identification code	Code identifying a user or association maintained code list. NOT USED
C286:3055	M	An..3	Code list responsible agency code	Code specifying the agency responsible for a code list. 321 (=Edig@s)
Remarks	<i>A SEQ segment shall be provided for all time series</i>			
Example	SEQ+8+CONNECTION:Z06::321'			

Restricted code list for SEQ-C286:1050	
OFFTAKE	This identifies the contractual offtake possibility time series
CONNECTION	This identifies the connection point time series
GCV	This identifies the GCV time series
INITIATOR	This identifies the Initiator Request time series

Restricted code list for SEQ-C286:1159	
Z05	Quality deficient gas quantity (note only allowed when the time series set is for a connection point only)
Z06	Buyers destination - shippers offtake (Note: only allowed when the time series set is for a shipper account within a connection point)
Z08	Buyer's resultant offtake – BRO (note only allowed when the time series set is for a connection point only)
Z33	Capacity user resultant usage (note only allowed when the time series set is for a connection point only)
Z34	Originating shipper capacity usage (Note: only allowed when the time series set is for a shipper account within a connection point)
Z35	Destination shipper capacity usage (Note: only allowed when the time series set is for a shipper account within a connection point)
Z09	GCV Conversion time series

SG11 – M	QTY – DTM
Remarks	<i>The mandatory SG08 provides the quantity (QTY) information for a period (DTM).</i>

QTY -M	QUANTITY – To specify a pertinent quantity.			
C186:6063	M	An..3	Quantity type code qualifier	Code qualifying the type of quantity. <i>See restricted qualifier code list below</i>
C186:6060	M	An..35	Quantity	Alphanumeric representation of a quantity. <i>Actual quantity</i>
C186:6411	M	An..8	Measurement unit code	Code specifying the unit of measurement. <i>See recommended qualifier code list below</i>
Remarks	<i>KW3 is only allowed for the GCV conversion information time series. KW1 and KW2 may be used for all other time series. All Quantities MUST be positive.</i>			
Example	QTY+1:6782:KW1'			

Restricted code list for QTY-C186:6063	
1	Discrete quantity (used for all Period times series except GCV conversion time series)
ZGF	Nominated GCV (GCV conversion TS only)
ZGV	GCV conversion (GCV conversion TS only)
ZPR	Pressure (GCV conversion TS only)
ZWN	Nominated Wobbe index (GCV conversion TS only)
ZA2	Buyers Maximum Offtake Possibility - MOP
ZA4	Buyers Minimum Offtake Possibility - mop
ZBQ	Buyers request for offtake
ZA5	Maximum input capacity available
ZA6	Minimum input capacity to use
ZA7	Maximum output capacity available
ZA8	Minimum output capacity to use
ZA9	Capacity user request

Recommended qualifier code list for QTY-C186:6411	
KW1	Kilowatt-hour per hour (kWh/h)
KW2	Kilowatt-hour per day (kWh/d)
HM1	Million cubic meters per hour
HM2	Million cubic meters per day
TQH	Thousand cubic meters per hour
TQD	Thousand cubic meters per day
KW3	Kilowatt hour per cubic meter (kWh/m ³) (used with GCV conversion information only)
BAR	Bar (used with GCV conversion information only)
KC2	Kilocalorie per normal M3 (Kcal/nm ³) (used with GCV conversion information only)

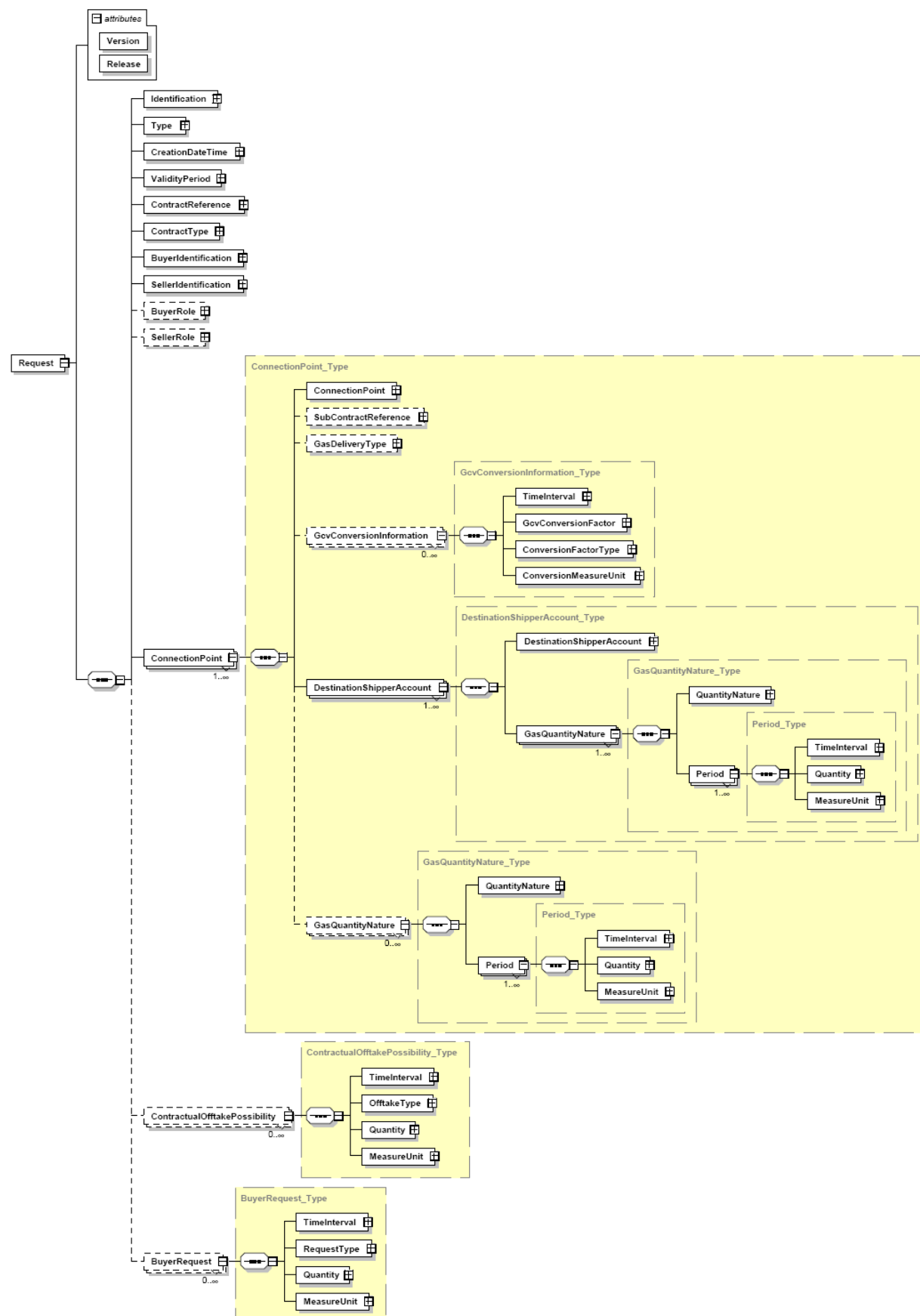
DTM - M	DATE/TIME/PERIOD - To specify date, and/or time, or period. Identifies the date/time/period for the preceding quantity			
C507:2005	M	an..3	Date or time or period function code qualifier	Code qualifying the function of a date, time or period. 2 (=Delivery date/time requested)
C507:2380	M	an..35	Date or time or period text	The value of a date, a date and time, a time or of a period in a specified representation. <i>Period in format as indicated in C507:2379</i>
C507:2379	M	an..3	Date or time or period format code	Code specifying the representation of a date, time or period. 719 (=CCYYMMDDHHMMCCYYMMDDHHMM)
Remarks	DTM can be repeated only 1 time per QTY in segment group 11.			
Example	DTM+2:200309150400200309160400:719'			

SUMMARY SECTION

UNT - M	MESSAGE TRAILER - To end and check the completeness of a Message			
0074	M	n..6	NUMBER OF SEGMENTS IN THE MESSAGE	Control count of number of segments in a message. <i>Total number of segments in message (including UNH & UNT)</i>
0062	M	an..14	MESSAGE REFERENCE NUMBER	Unique message reference assigned by the sender. <i>Must be identical to UNH-0062</i>
Remarks	There is one mandatory occurrence of UNT at the end of the message.			
Example	UNT+175+1'			

4 XML IMPLEMENTATION OF REQUEST

4.1 XML STRUCTURE



4.2 XML SCHEMA

4.2.1 Introduction

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

- Version: "EGAS40". This corresponds to the Edig@s package identification.
- Release: "2". This corresponds to the Message Implementation Guide Version number.

4.2.2 Schema

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:ecc="core-cmpts.xsd" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified" ecc:VersionRelease="1.0">
  <xsd:import namespace="core-cmpts.xsd" schemaLocation="../cclib/core-cmpts.xsd"/>
  <!--
      EDIGAS Document Automatically generated from a UML class diagram using XMI.
      Generation tool version 1.7
  -->
  <xsd:element name="Request">
    <xsd:complexType>
      <xsd:annotation>
        <xsd:documentation/>
      </xsd:annotation>
      <xsd:sequence>
        <xsd:element name="Identification" type="ecc:IdentificationType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="Type" type="ecc:MessageType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="CreationDateTime"
type="ecc:MessageDateTimeType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="ValidityPeriod" type="ecc:TimeIntervalType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="ContractReference" type="ecc:IdentificationType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="ContractType" type="ecc:ReferenceType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="BuyerIdentification" type="ecc:PartyType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="SellerIdentification" type="ecc:PartyType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
```

```

        <xsd:element name="BuyerRole" type="ecc:RoleType" minOccurs="0">
            <xsd:annotation>
                <xsd:documentation/>
            </xsd:annotation>
        </xsd:element>
        <xsd:element name="SellerRole" type="ecc:RoleType" minOccurs="0">
            <xsd:annotation>
                <xsd:documentation/>
            </xsd:annotation>
        </xsd:element>
        <xsd:element name="ConnectionPoint" type="ConnectionPoint_Type"
maxOccurs="unbounded"/>
        <xsd:element name="ContractualOfftakePossibility"
type="ContractualOfftakePossibility_Type" minOccurs="0" maxOccurs="unbounded"/>
        <xsd:element name="BuyerRequest" type="BuyerRequest_Type"
minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
    <xsd:attribute name="Version" type="xsd:string" use="required"/>
    <xsd:attribute name="Release" type="xsd:string" use="required"/>
</xsd:complexType>
</xsd:element>
<xsd:complexType name="GcvConversionInformation_Type">
    <xsd:annotation>
        <xsd:documentation/>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">
            <xsd:annotation>
                <xsd:documentation/>
            </xsd:annotation>
        </xsd:element>
        <xsd:element name="GcvConversionFactor" type="ecc:QuantityType">
            <xsd:annotation>
                <xsd:documentation/>
            </xsd:annotation>
        </xsd:element>
        <xsd:element name="ConversionFactorType" type="ecc:QuantityTypeType">
            <xsd:annotation>
                <xsd:documentation/>
            </xsd:annotation>
        </xsd:element>
        <xsd:element name="ConversionMeasureUnit" type="ecc:UnitOfMeasureType">
            <xsd:annotation>
                <xsd:documentation/>
            </xsd:annotation>
        </xsd:element>
    </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="Period_Type">
    <xsd:annotation>
        <xsd:documentation/>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">
            <xsd:annotation>
                <xsd:documentation/>
            </xsd:annotation>
        </xsd:element>
        <xsd:element name="Quantity" type="ecc:QuantityType">
            <xsd:annotation>
                <xsd:documentation/>
            </xsd:annotation>
        </xsd:element>
        <xsd:element name="MeasureUnit" type="ecc:UnitOfMeasureType">
            <xsd:annotation>
                <xsd:documentation/>
            </xsd:annotation>
        </xsd:element>
    </xsd:sequence>

```

```

        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="ConnectionPoint_Type">
    <xsd:annotation>
      <xsd:documentation/>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="ConnectionPoint" type="ecc:MeasurementPointType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="SubContractReference" type="ecc:IdentificationType"
minOccurs="0">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="GasDeliveryType" type="ecc:DeliveryType"
minOccurs="0">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="GcvConversionInformation"
type="GcvConversionInformation_Type" minOccurs="0" maxOccurs="unbounded"/>
      <xsd:element name="DestinationShipperAccount"
type="DestinationShipperAccount_Type" maxOccurs="unbounded"/>
      <xsd:element name="GasQuantityNature" type="GasQuantityNature_Type"
minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="DestinationShipperAccount_Type">
    <xsd:annotation>
      <xsd:documentation/>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="DestinationShipperAccount" type="ecc:PartyType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="GasQuantityNature" type="GasQuantityNature_Type"
maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="ContractualOfftakePossibility_Type">
    <xsd:annotation>
      <xsd:documentation/>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="OfftakeType" type="ecc:QuantityTypeType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="Quantity" type="ecc:QuantityType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>

```

```

        </xsd:annotation>
      </xsd:element>
      <xsd:element name="MeasureUnit" type="ecc:UnitOfMeasureType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="BuyerRequest_Type">
    <xsd:annotation>
      <xsd:documentation/>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="RequestType" type="ecc:QuantityTypeType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="Quantity" type="ecc:QuantityType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="MeasureUnit" type="ecc:UnitOfMeasureType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="GasQuantityNature_Type">
    <xsd:annotation>
      <xsd:documentation/>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="QuantityNature" type="ecc:SequenceSourceType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="Period" type="Period_Type" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:schema>

```

5 DOCUMENT CHANGE LOG

Package	Version	Date	Description
4.0	1	2007-12-31	Version 4 issued
4.0	2	2009-04-27	Revamped to cater for packaging and introduced shipper swapping