

SECTION

I

03

**Sales Messages**

**REQRES**

*Request Response Message*

*Version 4.0*



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

***Document version: 2***

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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

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## 1 INTRODUCTION

This document provides the definition of the Edig@s Request Response – REQRES - 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

Message used by the Seller or Service Provider to confirm to a Buyer or Service User the quantities that will be delivered for a specific Gasday. In addition it is used to inform about the pairing of the shipper accounts.

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

This message confirms to the Buyer or Service User that the requested quantities will be made available or will be taken off at the different Connection Points. Any other uses are outside the scope of this specification.

### 1.3 FIELD OF APPLICATION

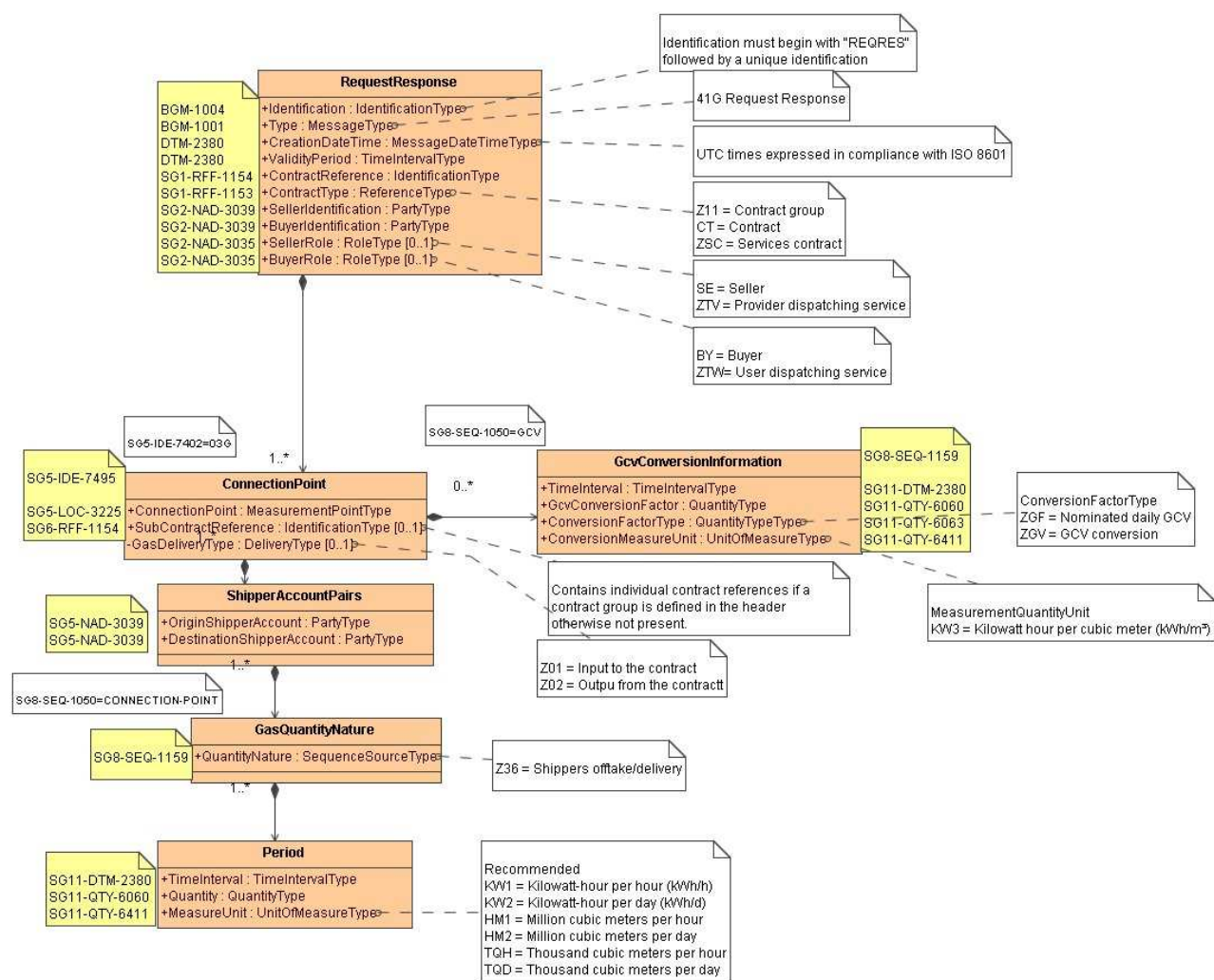
Normally this message is a response to a previously send Request - REQUEST - message initiated by a Buyer. This REQUEST message is described in Part I.02.

### 1.4 REFERENCES

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

## 2 INFORMATION MODEL OF REQRES

### 2.1 INFORMATION MODEL STRUCTURE



## 2.2 INFORMATION MODEL DESCRIPTION

## 2.2.1 Rules governing the Request Response Document Class

### 2.2.1.1 IDENTIFICATION

ACTION	DESCRIPTION
<b>Definition of element</b>	Unique identification of the document describing the request response.
<b>Description</b>	A Request Response document must have a unique identification assigned by the initiator of the document to be sent to a recipient. The identification must take the following form: REQRES 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 "REQRES20090101A00001". The sender must guarantee that this identification is unique over time
<b>Size</b>	The identification of a Request Response document may not exceed 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

### 2.2.1.2 TYPE

ACTION	DESCRIPTION
<b>Definition of element</b>	The type of the document being sent.
<b>Description</b>	This identifies the type of Request Response Document that is being sent. The following types of Request Response Document are currently permitted: 41G = Sellers request confirmation. An operational document issued by the seller or service provider to advise the buyer or service user about the quantity he will make available or take off at the requested location(s). Information exchanged in a sellers' request confirmation is binding.
<b>Size</b>	A type may not exceed 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

### 2.2.1.3 CREATION DATE AND TIME

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 initiator.
<b>Size</b>	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

### 2.2.1.4 VALIDITY PERIOD

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.
<b>Size</b>	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

**2.2.1.5 CONTRACT REFERENCE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the contract reference that governs the documents contains.
<b>Description</b>	The contract reference identifies the contract under which the conditions of the content and transmission of the document have been agreed.
<b>Size</b>	The maximum length of the contract reference identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

**2.2.1.6 CONTRACT TYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the type of contract reference that has been identified.
<b>Description</b>	<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"> <li>• 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.</li> <li>• CT = A contract identification when only one contract is relevant for the whole document.</li> <li>• ZSC = A contract identification that is referring to a service contract.</li> </ul>
<b>Size</b>	The maximum length of the contract type is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

**2.2.1.7 SELLER IDENTIFICATION – CODING SCHEME**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who has initiated the document.
<b>Description</b>	<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 Response Document it is always the Seller or the Service Provider.</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>
<b>Size</b>	<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>
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.



**2.2.1.8 BUYER IDENTIFICATION – CODING SCHEME**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who is receiving the document.
<b>Description</b>	The receptor of the document is identified by a unique coded identification. In the case of a Request Response Document it is always the Buyer or Service User. 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.
<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.

**2.2.1.9 SELLER ROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role of the initiator.
<b>Description</b>	This identifies the initiator identified in the document. The following roles have been identified: SE = Seller ZTV = Provider dispatching service
<b>Size</b>	The maximum length of the information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	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.

**2.2.1.10 BUYER ROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role of the receptor.
<b>Description</b>	This identifies the receptor identified in the document. The following roles have been identified: BY = Buyer ZTW = User dispatching service
<b>Size</b>	The maximum length of the information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	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.

## 2.2.2 Rules governing the Connection Point Class

### 2.2.2.1 CONNECTION POINT – CODING SCHEME

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 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.
<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.

### 2.2.2.2 SUB CONTRACT REFERENCE

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

### 2.2.2.3 GAS DELIVERY TYPE

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of the direction that is applied to the gas delivery.
<b>Description</b>	The identification of the direction that the gas delivery will take. Two codes have been defined for this attribute: Z01 = Input to the contract Z02 = Output from the contract
<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.

## 2.2.3 Rules governing the Shipper Account Pairs Class

### 2.2.3.1 ORIGIN SHIPPER ACCOUNT – CODING SCHEME

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

### 2.2.3.2 DESTINATION SHIPPER ACCOUNT – CODING SCHEME

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

**2.2.4 Rules governing the Gas Quantity Nature Class****2.2.4.1 QUANTITY NATURE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The identification of the nature of the gas.
<b>Description</b>	The identification of the nature of the gas. The gas quantity nature may have the following values: Z36= Shippers offtake/delivery.
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	The quantity nature is mandatory.
<b>Dependence requirements</b>	None.

**2.2.5 Rules governing the Period Class****2.2.5.1 TIME INTERVAL.**

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

**2.2.5.2 QUANTITY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The quantity of the capacity accepted by the seller within the time interval in question.
<b>Description</b>	This information defines the quantity of the capacity confirmed by the seller or service provider 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 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.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

**2.2.5.3 MEASUREUNIT**

ACTION	DESCRIPTION												
<b>Definition of element</b>	The unit of measure which is applied to the quantities in which the time series is expressed.												
<b>Description</b>	<p>The unit of measurement used for the quantities expressed within the time series.</p> <p>The following are the codes recommended for use:</p> <table data-bbox="788 398 1315 568"> <tr> <td>KW1</td><td>Kilowatt-hour per hour (kWh/h)</td></tr> <tr> <td>KW2</td><td>Kilowatt-hour per day (kWh/d)</td></tr> <tr> <td>HM1</td><td>Million cubic meters per hour</td></tr> <tr> <td>HM2</td><td>Million cubic meters per day</td></tr> <tr> <td>TQH</td><td>Thousand cubic meters per hour</td></tr> <tr> <td>TQD</td><td>Thousand cubic meters per day</td></tr> </table>	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
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												
<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.												

## 2.2.6 Rules governing the Gcv Conversion Information Class

### 2.2.6.1 TIME INTERVAL

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

### 2.2.6.2 GCV CONVERSION FACTOR

ACTION	DESCRIPTION
<b>Definition of element</b>	The GCV conversion factor to be used for the interval in question
<b>Description</b>	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.
<b>Size</b>	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.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

**2.2.6.3 CONVERSION FACTOR TYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The type of conversion factor that is used
<b>Description</b>	This information identifies the type of conversion factor used. The following codes have been identified: ZGF = Nominated GCV ZGV = GCV conversion
<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.

**2.2.6.4 CONVERSION MEASURE UNIT**

ACTION	DESCRIPTION
<b>Definition of element</b>	The unit of measure which is applied to the quantities in which the time series is expressed.
<b>Description</b>	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 <sup>3</sup> )
<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.

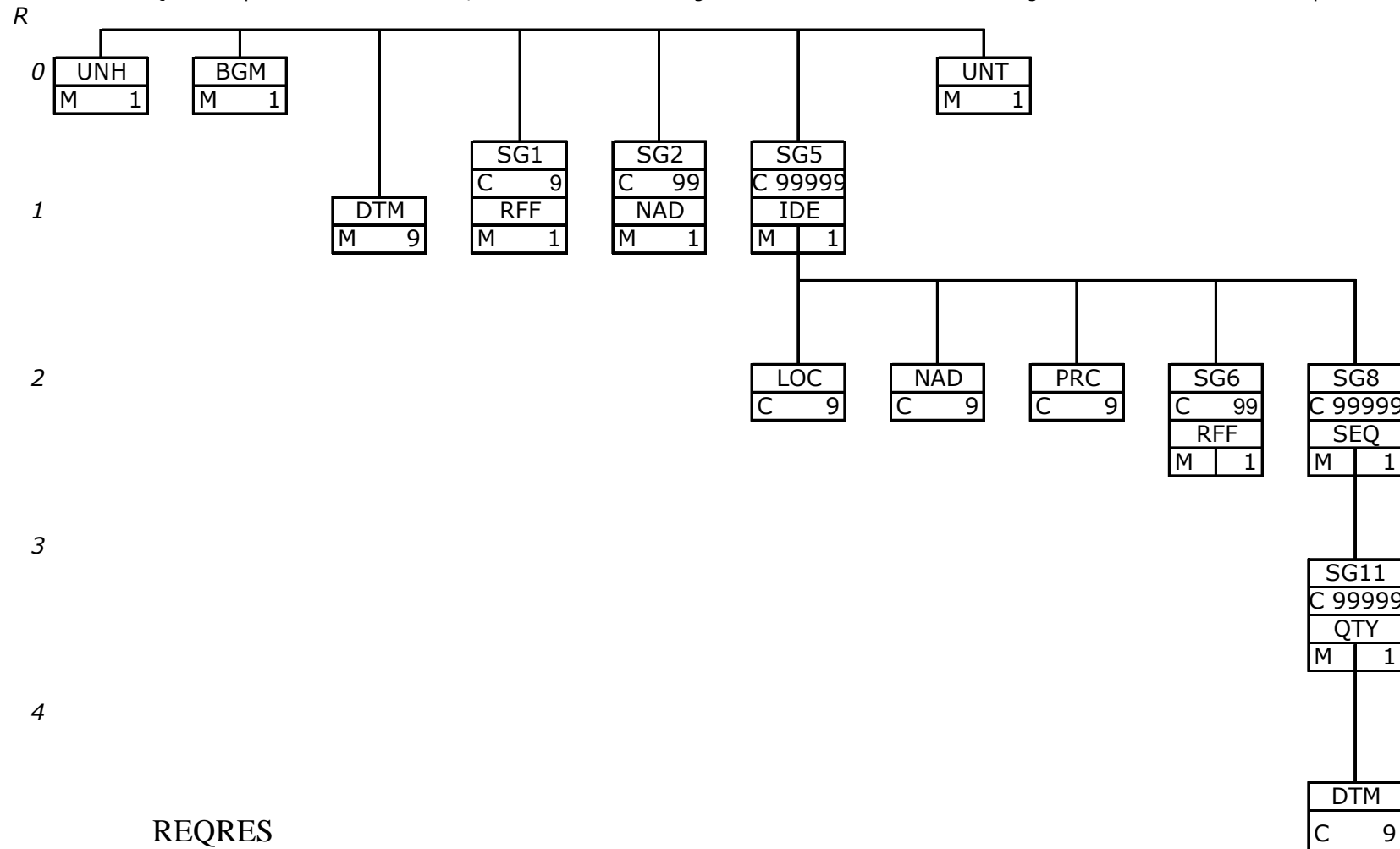


### 3 EDIFACT IMPLEMENTATION OF REQRES

*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 REQRES 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 REQRES message is used for the following purpose(s):

Message purpose

**Request Response:** An operational document issued by the seller or service provider to advise the buyer or service user about the quantity he will make available or take off at the requested location(s). Information exchanged in a sellers' request confirmation is binding.

**BGM -1001 =**

41G

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. <b>REQRES</b> (=Request Response Message)
S009:0052	M	an..3	Message version number	Version number of a message type. <b>1</b> (=Message Implementation Guide version number)
S009:0054	M	an..3	Message release number	Release number within the current message type version number (0052). <b>0</b>
S009:0051	M	an..2	Controlling agency	Code to identify the agency controlling the specification, maintenance and publication of the message type. <b>EG</b> (=UN/ECE)
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. <b>EGAS40</b> (=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. <b>NOT USED</b>
S010:0070	N	n..2	Sequence of transfers	Number assigned by the sender indicating the numerical sequence of one or more transfers. <b>NOT USED</b>
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. <b>NOT USED</b>
<b>Remarks</b>	There is one mandatory occurrence of UNH per message.			
<b>Example</b>	UNH+1+REQRES: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. <b>41G</b> (= Sellers request confirmation)
C002:1131	N	An..3	Code list identification code	Code identifying a user or association maintained code list <b>NOT USED</b>
C002:3055	M	An..3	Code list responsible agency	Code identifying a user or association maintained code list. <b>321</b> (=Edig@s)
C002:1000	N	An..35	Document name	Name of a document. <b>NOT USED</b>
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. <b>NOT USED</b>
C106:1060	N	An..6	Revision identifier	To identify a revision <b>NOT USED</b>
1225	M	An..3	MESSAGE FUNCTION CODE	Code indicating the function of the message. <b>9</b> (=Original)
4343	N	An..3	RESPONSE TYPE CODE	Code specifying the type of acknowledgment required or transmitted. <b>NOT USED</b>
<b>Remarks</b>		There is one mandatory occurrence of BGM per message.		
<b>Attention</b>		The following structure for the message number in BGM-1004 is mandatory in the Edig@s messages: 6 character message code + a unique identification		
<b>Example</b>		<b>BGM+41G::321+REQRES20090101A00001+9'</b>		

DTM - M				
<b>Remarks</b>		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.		

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. <b>205</b> (=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. <b>0</b> (=UTC)
C507:2379	M	an..3	Date or time or period format code	Code specifying the representation of a date, time or period. <b>805</b> (=Hour)
<b>Remarks</b>		All times indicated in this message must be expressed according to this same metrology. <b>Recommendation:</b> Edig@s strongly recommends using UTC as the standard time metrology. See also the Introduction to the Edig@s MIG.		
<b>Example</b>		<b>DTM+205:0:805'</b>		

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. <b>137</b> (=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. <b>203</b> (=CCYYMMDDHHMM)
<b>Remarks</b>				
<b>Example</b>		<b>DTM+137:200309051506:203'</b>		

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. <b>Z01</b> (=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. <b>719</b> (=CCYYMMDDHHMMCCYYMMDDHHMM)
<b>Remarks</b>				
<b>Example</b> DTM+Z01:200309090400200309160400:719'				

SG1 – M	RFF
Remarks	<p>The mandatory segment group 1 consists only of RFF.</p> <p>There will be only one occurrence of segment group 1 at header level to provide:</p> <ul style="list-style-type: none"><li>➤ 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.</li><li>➤ The contract identification when only one contract is relevant for the whole message.</li></ul>

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. <b>NOT USED</b>
C506:1056	N	an..9	Version identifier	To identify a version. <b>NOT USED</b>
C506:1060	N	an..6	Revision identifier	To identify a revision. <b>NOT USED</b>
<b>Remarks</b>				
<b>Example</b> RFF+CT:TRABCRR01'				

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

<b>SG2 – M</b>	<b>NAD</b>
<b>Remarks</b>	<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>

<b>NAD – M</b>	<b>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.</b>			
	<b>This identifies the initiator and receptor concerned by the message</b>			
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. <b>NOT USED</b>
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. <b>NOT USED</b>
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. <b>NOT USED</b>
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. <b>NOT USED</b>
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. <b>NOT USED</b>
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. <b>NOT USED</b>
C080:3036	N	an..35	Party name	Name of a party. <b>NOT USED</b>
C080:3036	N	an..35	Party name	Name of a party. <b>NOT USED</b>
C080:3036	N	an..35	Party name	Name of a party. <b>NOT USED</b>
C080:3036	N	an..35	Party name	Name of a party. <b>NOT USED</b>
C080:3036	N	an..35	Party name	Name of a party. <b>NOT USED</b>
C080:3045	N	an..3	Party name format code	Party name format code <b>NOT USED</b>
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. <b>NOT USED</b>
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. <b>NOT USED</b>
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. <b>NOT USED</b>
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. <b>NOT USED</b>
3164	N	an..35	CITY NAME	Name of a city. <b>NOT USED</b>
C819:3229	N	an..9	Country subdivision identifier	To identify a country subdivision, such as state, canton, county, prefecture. <b>NOT USED</b>
C819:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. <b>NOT USED</b>
C819:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. <b>NOT USED</b>
C819:3228	N	an..70	Country subdivision name	Name of a country subdivision, such as state, canton, county, prefecture. <b>NOT USED</b>
3251	N	an..17	POSTAL IDENTIFICATION CODE	Code specifying the postal zone or address. <b>NOT USED</b>
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. <b>NOT USED</b>
<b>Remarks</b>				
<b>Example</b>	<b>NAD+BY+BUY123::321'</b>			

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)

## DETAIL SECTION

SG05 – M	IDE-LOC-NAD-PRC-SG06-SG08
<b>Remarks</b>	<p>The mandatory segment group 05 (IDE-loop) identifies the different time series that are used in the REQRES message. The segment group consists of:</p> <ul style="list-style-type: none"> <li>➤ IDE to uniquely identify the type of time series being handled – (mandatory)</li> <li>➤ LOC to provide the identification of the connection point in the case of connection point time series – (conditional)</li> <li>➤ NAD to provide the identification of the target shipper account in the case of a connection point time series for shippers – (conditional) time or period information relevant for this information – (conditional)</li> <li>➤ PRC to provide the gas delivery type (conditional)</li> <li>➤ SG06-[RFF] to provide a time series related contract reference – (conditional)</li> <li>➤ SG08-[SEQ-SG11] to provide the time series detail – (mandatory)</li> </ul>

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. <b>1</b> (=Value list)
C206:7402	M	an..35	Object identifier	Code specifying the unique identity of an object. <b>03G</b> =( Connection point time series)
C206:7405	N	an..3	Object identification code qualifier	Code qualifying the identification of an object. <b>NOT USED</b>
C206:4405	N	an..3	Status description code	Code specifying a status. <b>NOT USED</b>
C082:3039	N	an..35	Party identifier	Code specifying the identity of a party. <b>NOT USED</b>
C082:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. <b>NOT USED</b>
C082:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. <b>NOT USED</b>
4405	N	an..3	STATUS DESCRIPTION CODE	Code specifying a status. <b>NOT USED</b>
1222	N	an..17	CONFIGURATION LEVEL NUMBER	To specify a level within a configuration. <b>NOT USED</b>
C778:7164	N	an..3	Hierarchical structure level identifier	To identify a level within a hierarchical structure. <b>NOT USED</b>
C778:1050	N	an..256	Sequence position identifier	To identify a position in a sequence. <b>NOT USED</b>
C240:7037	N	an..17	Characteristic description code	A code specifying a characteristic. <b>NOT USED</b>
C240:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. <b>NOT USED</b>
C240:3055	N	an..3	Code list responsible agency code	Code identifying a user or association maintained code list. <b>NOT USED</b>
C240:7036	N	an..70	Characteristic description	Free form description of a characteristic. <b>NOT USED</b>
C240:7036	N	an..70	Characteristic description	Free form description of a characteristic. <b>NOT USED</b>
<b>Remarks</b>	The IDE segment is used to identify a specific time series type			
<b>Example</b>	IDE+1+03G'			

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>Use relevant code from one of the restricted code lists below</i>
C517:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. <b>NOT USED</b>
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. <b>NOT USED</b>
C519:3223	N	an..35	First related location identifier	To identify a first related location. <b>NOT USED</b>
C519:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. <b>NOT USED</b>
C519:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. <b>NOT USED</b>
C519:3222	N	an..70	First related location name	Name of first related location. <b>NOT USED</b>
C553:3233	N	an..35	Second related location identifier	To identify a second related location. <b>NOT USED</b>
C553:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. <b>NOT USED</b>
C553:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. <b>NOT USED</b>
C553:3232	N	an..70	Second related location name	Name of the second related location. <b>NOT USED</b>
5479	N	an..3	RELATION CODE	Code specifying a relation. <b>NOT USED</b>
<b>Remarks</b>				
<b>Example</b>		<b>LOC+Z19+DEESS::321'</b>		

Restricted code list for LOC-C517:3055	
9	GS1
305	Assigned by ETSO (EIC)
321	Assigned by <a href="mailto:Edig@s">Edig@s</a>
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. <i>See restricted code list below</i>
C082:3039	M	An..35	Party identifier	Code specifying the identity of a party. <i>Code specifying the shipper account</i>
C082:1131	N	An..17	Code list identification code	Code identifying a user or association maintained code list. <b>NOT USED</b>
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. <b>NOT USED</b>
C058:3124	N	An..35	Name and address description	Free form description of a name and address line. <b>NOT USED</b>
C058:3124	N	An..35	Name and address description	Free form description of a name and address line. <b>NOT USED</b>
C058:3124	N	An..35	Name and address description	Free form description of a name and address line. <b>NOT USED</b>
C058:3124	N	An..35	Name and address description	Free form description of a name and address line. <b>NOT USED</b>
C080:3036	N	An..35	Party name	Name of a party. <b>NOT USED</b>
C080:3036	N	An..35	Party name	Name of a party. <b>NOT USED</b>
C080:3036	N	An..35	Party name	Name of a party. <b>NOT USED</b>
C080:3036	N	An..35	Party name	Name of a party. <b>NOT USED</b>
C080:3036	N	An..35	Party name	Name of a party. <b>NOT USED</b>
C080:3045	N	An..3	Party name format code	Party name format code <b>NOT USED</b>
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. <b>NOT USED</b>
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. <b>NOT USED</b>
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. <b>NOT USED</b>
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. <b>NOT USED</b>
3164	N	An..35	CITY NAME	Name of a city. <b>NOT USED</b>
C819:3229	N	An..9	Country subdivision identifier	To identify a country subdivision, such as state, canton, county, prefecture. <b>NOT USED</b>
C819:1131	N	An..17	Code list identification code	Code identifying a user or association maintained code list. <b>NOT USED</b>
C819:3055	N	An..3	Code list responsible agency code	Code specifying the agency responsible for a code list. <b>NOT USED</b>
C819:3228	N	An..70	Country subdivision name	Name of a country subdivision, such as state, canton, county, prefecture. <b>NOT USED</b>
3251	N	An..17	POSTAL IDENTIFICATION CODE	Code specifying the postal zone or address. <b>NOT USED</b>
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. <b>NOT USED</b>
<b>Remarks</b>				
<b>Example</b> NAD+ZOA+SEL456::321'				

## Restricted code list for NAD-3035

ZOA	Origin Shipper account
ZOB	Destination shipper account

## Restricted code list for NAD-C082:3055

9	GS1
305	Assigned by ETSO (EIC)
321	Assigned by <a href="#">Edig@s</a>
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. <b>NOT USED</b>
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. <b>NOT USED</b>
C242:7186	N	an..35	Process type description	Free form description of a type of process. <b>NOT USED</b>
C830:7191	N	an..17	Process description code	Code specifying a process. <b>NOT USED</b>
C830:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. <b>NOT USED</b>
C830:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. <b>NOT USED</b>
C830:7192	N	an..70	Process description	Free form description of a process. <b>NOT USED</b>
<b>Remarks</b>		<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>		
<b>Example</b>		<b>PRC+Z01::321'</b>		

Restricted code list for PRC-C242:3055	
9	GS1
305	Assigned by ETSO (EIC)
321	Assigned by <a href="mailto:Edig@s">Edig@s</a>
ZSO	Assigned by System Operator

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

<b>SG06 – C</b>	<b>RFF</b>
<b>Remarks</b>	<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>

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

<b>SG08 – M</b>	<b>SEQ – SG11</b>
<b>Remarks</b>	<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>

<b>SEQ – M</b>	<b>To provide details relating to the sequence.</b>			
1229	M	An..3	ACTION CODE	Code specifying the action to be taken or already taken. <b>8</b> (=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. <b>NOT USED</b>
C286:3055	M	An..3	Code list responsible agency code	Code specifying the agency responsible for a code list. <b>321</b> (=Edig@s)
<b>Remarks</b>	<i>A SEQ segment shall be provided for all time series.</i>			
<b>Example</b>	<b>SEQ+8+GCV:Z09::321'</b>			

Restricted code list for SEQ-C286:1050	
CONNECTION	This identifies the connection point time series
GCV	This identifies the GCV time series

Restricted code list for SEQ-C286:1159	
Z36	Shippers offtake/delivery
Z09	GCV Conversion time series

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

<b>QTY – M</b>	<b>QUANTITY – To specify a pertinent quantity.</b>			
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>
<b>Remarks</b>	<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>			
<b>Example</b>	<b>QTY+1:6782:KW1'</b>			

Restricted code list for QTY-C186:6063	
1	Discrete quantity ( <b>used for all times series except GCV conversion time series</b> )
ZGF	Nominated GCV ( <b>GCV conversion TS only</b> )
ZGV	GCV conversion ( <b>GCV conversion TS only</b> )

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 <sup>3</sup> ) ( <b>used with GCV conversion information only</b> )

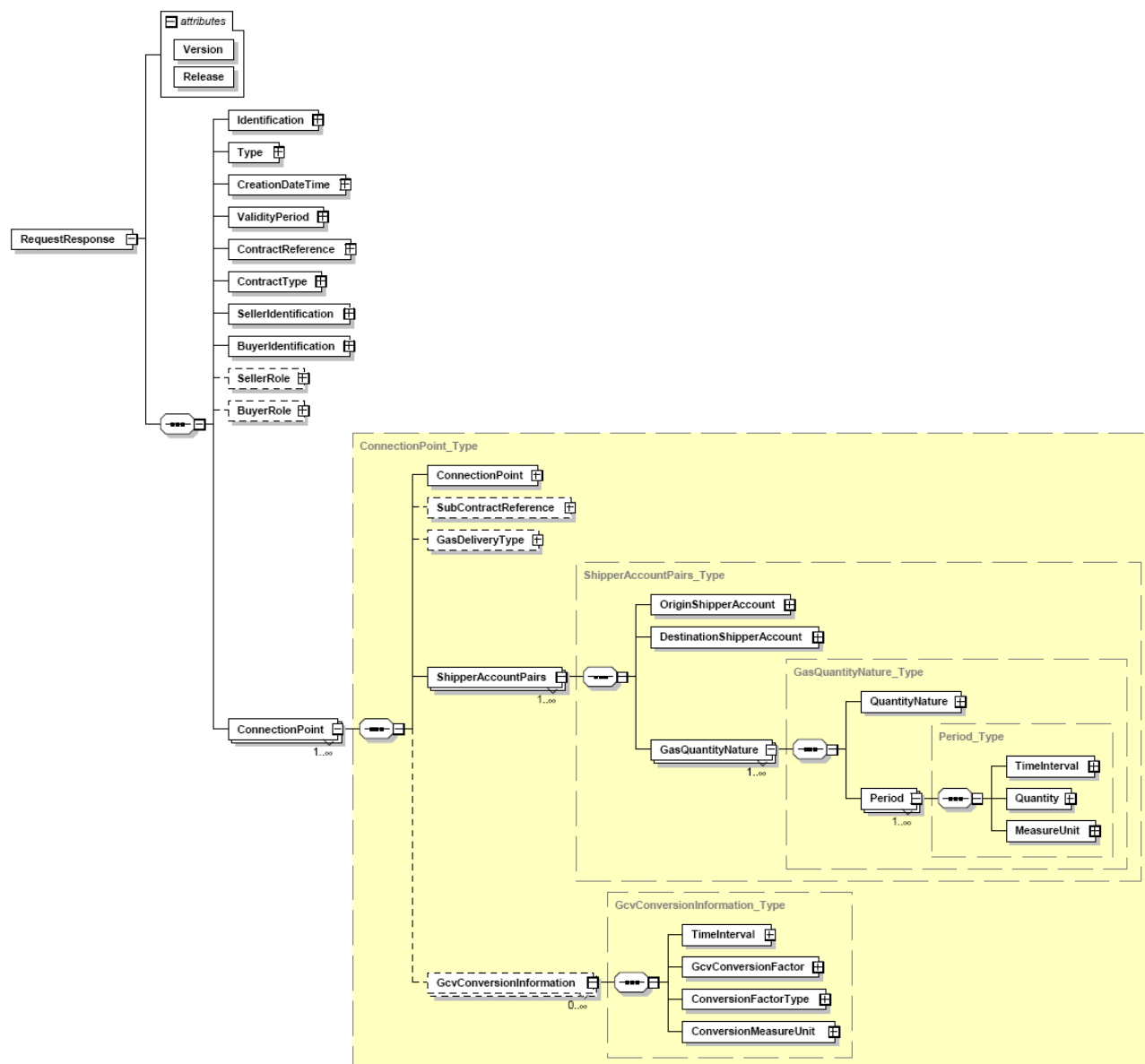
<b>DTM-M</b>	<b>DATE/TIME/PERIOD – To specify date, and/or time, or period.</b>			
	<b>Identifies the date/time/period for the preceding quantity</b>			
C507:2005	M	an..3	Date or time or period function code qualifier	Code qualifying the function of a date, time or period. <b>2</b> (=Delivery date/time 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. <b>719</b> (=CCYYMMDDHHMMCCYYMMDDHHMM)
<b>Remarks</b>	<i>DTM can be repeated only 1 time per QTY in segment group 11.</i>			
<b>Example</b>	<b>DTM+2:200309150400200309160400:719'</b>			

**SUMMARY SECTION**

<b>UNT – M</b>	<b>MESSAGE TRAILER – To end and check the completeness of a Message</b>			
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 &amp; UNT)</i>
0062	M	an..14	MESSAGE REFERENCE NUMBER	Unique message reference assigned by the sender. <i>Must be identical to UNH-0062</i>
<b>Remarks</b>	<i>There is one mandatory occurrence of UNT at the end of the message.</i>			
<b>Example</b>	<b>UNT+175+1'</b>			

## 4 XML IMPLEMENTATION OF REQRES

### 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="RequestResponse">
    <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">
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            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="ContractReference" type="ecc:IdentificationType">
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            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="ContractType" type="ecc:ReferenceType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="SellerIdentification" type="ecc:PartyType">
          <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="SellerRole" type="ecc:RoleType" minOccurs="0">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="BuyerRole" type="ecc:RoleType" minOccurs="0">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

        </xsd:annotation>
      </xsd:element>
      <xsd:element name="ConnectionPoint" type="ConnectionPoint_Type"
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: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:sequence>
</xsd:complexType>

```



```

        </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="ShipperAccountPairs" type="ShipperAccountPairs_Type"
maxOccurs="unbounded"/>
      <xsd:element name="GcvConversionInformation"
type="GcvConversionInformation_Type" minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="ShipperAccountPairs_Type">
    <xsd:annotation>
      <xsd:documentation/>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="OriginShipperAccount" type="ecc:PartyType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <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="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
<b>4.0</b>	1	2007-12-31	Version 4 issued
<b>4.0</b>	2	2009-04-27	Revamped to cater for packaging and introduced shipper swapping