SECTION

II
02

Infrastructure Messages
NOMRES
Nomination Response Message

Version 4.0

Edig@s

EASEE-gas/Edig@s Workgroup

Document version: 5

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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

1 INTRODUCTION

This document provides the definition of the Edig@s Nomination Response - NOMRES - 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

Whenever a Shipper has made a specific request to a System Operator by ordering (nominating) the specific service desired via a NOMINT message, the System Operator will acknowledge receipt of the nomination by issuing a response, which advises the Shipper that his nomination met the System Operator's requirements and was correctly communicated, and/or advises the Shipper as to any discrepancy versus the nomination.

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

The NOMRES message is exchanged to provide the status of the nominations and to acknowledge/confirm the nominated quantity.

1.3 FIELD OF APPLICATION

The NOMRES message is used by a System Operator to confirm or inform a shipper about his transport nomination with possible additional information
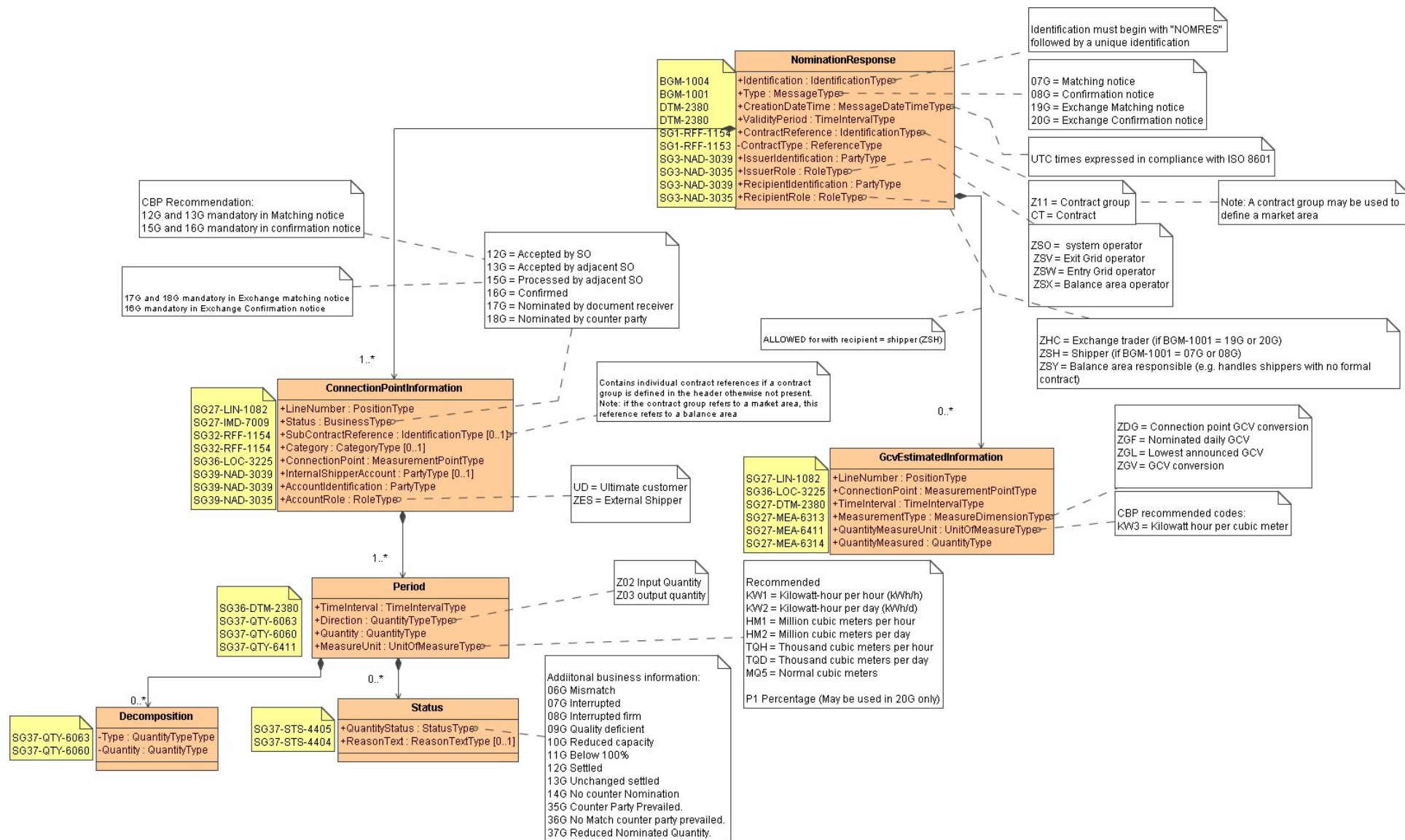
Normally this message is a response to a previously sent Nomination - NOMINT - message initiated by a Shipper. This NOMINT message is described in Part II.01.

1.4 REFERENCES

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

2   INFORMATION MODEL FOR NOMRES

2.1   INFORMATION MODEL STRUCTURE

Identification must begin with "NOMRES"
followed by a unique identification

NominationResponse

BGM-1004
BGM-1001
DTM-2380
DTM-2380
SG1-RFF-1154
SG1-RFF-1153
SG3-NAD-3039
SG3-NAD-3035
SG3-NAD-3039
SG3-NAD-3035

+Identification : IdentificationType
+Type : MessageType
+CreationDateTime : MessageDateTimeType
+ValidityPeriod : TimeIntervalType
+ContractReference : IdentificationType
-ContractType : ReferenceType
+IssuerIdentification : PartyType
+IssuerRole : RoleType
+RecipientIdentification : PartyType
+RecipientRole : RoleType

07G = Matching notice
08G = Confirmation notice
19G = Exchange Matching notice
20G = Exchange Confirmation notice

UTC times expressed in compliance with ISO 8601

Z11 = Contract group
CT = Contract

Note: A contract group may be used to define a market area

CBP Recommendation:
12G and 13G mandatory in Matching notice
15G and 16G mandatory in confirmation notice

ZSO = system operator
ZSV = Exit Grid operator
ZSW = Entry Grid operator
ZSX = Balance area operator

12G = Accepted by SO
13G = Accepted by adjacent SO
15G = Processed by adjacent SO
16G = Confirmed
17G = Nominated by document receiver
18G = Nominated by counter party

17G and 18G mandatory in Exchange matching notice
16G mandatory in Exchange Confirmation notice

ZHC = Exchange trader (if BGM-1001 = 19G or 20G)
ZSH = Shipper (if BGM-1001 = 07G or 08G)
ZSY = Balance area responsible (e.g. handles shippers with no formal contract)

1..*

ALLOWED for with recipient = shipper (ZSH)

Contains individual contract references if a contract group is defined in the header otherwise not present.
Note: if the contract group refers to a market area, this reference refers to a balance area

0..*

ConnectionPointInformation

SG27-LIN-1082
SG27-IMD-7009
SG32-RFF-1154
SG32-RFF-1154
SG36-LOC-3225
SG39-NAD-3039
SG39-NAD-3039
SG39-NAD-3035

+LineNumber : PositionType
+Status : BusinessType
+SubContractReference : IdentificationType [0..1]
+Category : CategoryType [0..1]
+ConnectionPoint : MeasurementPointType
+InternalShipperAccount : PartyType [0..1]
+AccountIdentification : PartyType
+AccountRole : RoleType

ZDG = Connection point GCV conversion
ZGF = Nominated daily GCV
ZGL = Lowest announced GCV
ZGV = GCV conversion

UD = Ultimate customer
ZES = External Shipper

GcvEstimatedInformation

SG27-LIN-1082
SG36-LOC-3225
SG27-DTM-2380
SG27-MEA-6313
SG27-MEA-6411
SG27-MEA-6314

+LineNumber : PositionType
+ConnectionPoint : MeasurementPointType
+TimeInterval : TimeIntervalType
+MeasurementType : MeasureDimensionType
+QuantityMeasureUnit : UnitOfMeasureType
+QuantityMeasured : QuantityType

CBP recommended codes:
KW3 = Kilowatt hour per cubic meter

1..*

Period

SG36-DTM-2380
SG37-QTY-6063
SG37-QTY-6060
SG37-QTY-6411

+TimeInterval : TimeIntervalType
+Direction : QuantityTypeType
+Quantity : QuantityType
+MeasureUnit : UnitOfMeasureType

Z02 Input Quantity
Z03 output quantity

Recommended
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
MQ5 = Normal cubic meters

P1 Percentage (May be used in 20G only)

0..*

0..*

Decomposition

SG37-QTY-6063
SG37-QTY-6060

-Type : QuantityTypeType
-Quantity : QuantityType

Status

SG37-STS-4405
SG37-STS-4404

+QuantityStatus : StatusType
+ReasonText : ReasonTextType [0..1]

Addiitonal business information:
06G Mismatch
07G Interrupted
08G Interrupted firm
09G Quality deficient
10G Reduced capacity
11G Below 100%
12G Settled
13G Unchanged settled
14G No counter Nomination
35G Counter Party Prevailed.
36G No Match counter party prevailed.
37G Reduced Nominated Quantity.

2.2   INFORMATION MODEL DESCRIPTION

A Nomination Response document is used during two distinct phases of the nomination process. It is used during the Transport phase by a System Operator to send a nomination response to a shipper in reply to a shipper nomination. It may also be used during the Exchange phase by a System Operator to inform a Market trader of nominations carried out on a trading place.

2.2.1   Rules governing the Nomination Response Document Class

2.2.1.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Unique identification of the document describing the Nomination Response Document.
Description	A Nomination 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: NOMRES 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 "NOMRES20090101A00001". The sender must guarantee that this identification is unique over time
Size	The identification of a Nomination Response Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

2.2.1.2 TYPE

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of Nomination Response Document that is being sent. The following types of Nomination Response Document are currently permitted: 07G = Matching notice: Message sent by a System Operator to communicate to the Shipper his accepted nomination as well as the one of the counter shipper 08G = Confirmation notice: Message sent by a System Operator to confirm the transportable quantity and to inform about transportable quantity processed by the counter System Operator 19G = Exchange matching notice: Message sent by the System Operator to communicate to the Exchange Trader his accepted nomination as well as the one of the counter Exchange Trader 20G = Exchange confirmation notice: Message sent by the System Operator to confirm the quantity based on the Exchange Trader nomination
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.1.3 CREATION DATE 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	Reference to a contract covering the nomination response.
Description	The contract reference may be of two types which is identified by the Contract Type: ➢ A contract group identification when the document relates to different contracts that belong to the same contract group. This contract group must be identified here while the different contracts must be identified Connection Point lev*el.* ➢ A contract identification when only one contract is relevant for the whole document.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

2.2.1.6 CONTRACT TYPE

ACTION	DESCRIPTION
Definition of element	The type of the contract identified in the Contract Reference.
Description	This identifies the type of the contract reference identified in the Contract Reference attribute. The following types of Contract Type are currently permitted: CT =Contract number. Z11 = Contract group reference number. (note: A contract group may be used to define a market area).
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.1.7 ISSUER IDENTIFICATION – CODING SCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who has initiated the document.
Description	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. 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 an initiator'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.

2.2.1.8 ISSUER ROLE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who has initiated the document is playing.
Description	The role being played by the initiator of the document for this transmission. The following roles are permitted for this document: ZSO = System Operator ZSX = Balance Area Operator ZSV = Exit Grid Operator ZSW = Entry Grid Operator.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.1.9 RECIPIENT IDENTIFICATION – CODING SCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	The recipient of the document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and 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.

2.2.1.10 RECIPIENT ROLE

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who receives the document is playing.
Description	The role being played by the recipient of the document for this transmission. The following roles are permitted for this document: ZHC = Exchange Trader (only if Type = 19G or 20G); ZSH = Shipper (only if Type = 07G or 08G); ZSY = Balance area responsible (e.g. handles shippers with no formal contract).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.2 Rules governing the Connection Point Class

There may one to many Connection Points in a Nomination Response Document.

2.2.2.1 LINE NUMBER

ACTION	DESCRIPTION
Definition of element	A sequential number of the Connection Point set.
Description	Each Connection Point is assigned a sequential number to identify it within the set being provided in the document.
Size	The maximum length of this information is 6 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.2.2 STATUS

ACTION	DESCRIPTION
Definition of element	The status given by the System Operator to the Connection Point information.
Description	This information provides status of the Connection Point information that had been provided. Currently only one of the following status values are permitted: 12G = Accepted by System Operator. This status is used to qualify nominations from a shipper that have gone successfully through all the necessary controls and has been accepted by the System Operator. Depending on the TSA, the result of those different controls can lead to a modification of the quantities or to a partial or complete rejection of the nomination message. 13G = Accepted by adjacent System Operator. This status is used to qualify nominations from a shipper that have gone successfully through all the necessary controls and has been accepted by the adjacent System Operator. Depending on the TSA, the result of those different controls can lead to a modification of the quantities or to a partial or complete rejection of the nomination message. 15G = Processed by adjacent System Operator. This status is used to define nominations from a shipper that may have been modified by the adjacent System Operator taking into account any physical calculation, capacity constraint, balancing obligations, etc. 16G = Confirmed. This status is used to qualify quantities after the application of the lesser of rule to the mirrored quantities which have been previously processed by the respective System Operators on their own side of the flange. 17G = Nominated by document receiver. This status is used to qualify nominations from an exchanged trader that have gone successfully through all the necessary controls and has been accepted by the System Operator. 18G = Nominated by counter party. This status is used to qualify nominations from the counter exchanged trader that have gone successfully through all the necessary controls and has been accepted by the System Operator.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

2.2.2.3 SUBCONTRACT REFERENCE

ACTION	DESCRIPTION
Definition of element	Reference to an individual contract covering the connection point.
Description	The subcontract reference identifies the contract identification that is relevant for the connection point.
Size	The subcontract reference may not exceed 35 alphanumeric characters. Note: If the contract group refers to a market area, the subcontract reference refers to a balance area.
Applicability	This information is dependent.
Dependence requirements	This may only be used if the Contract Type = Z11

2.2.2.4 CATEGORY

ACTION	DESCRIPTION
Definition of element	The identification of the category of the gas that is used.
Description	The Category of the gas may only be used where the Type = 19G or 20G. The following codes are permitted: GGV = Yearly offtake > 1.000.000 m3 hourly measured GKV = Yearly offtake < 170.000 m3, hourly measured G1A = Yearly offtake < 5.000 m3 G2A = 5.000 m3 <= yearly offtake < 170.000 m3 and pbt < 750 hrs G2B = 5.000 m3 <= yearly offtake < 170.000 m3 and 750 hours <= pbt < 1500 hours G2C = 5.000 m3 <= yearly offtake < 170.000 m3 and pbt >= 1500 hours GXX = 170.000 m3 <= yearly offtake < 1.000.000 m3 hourly measured
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information may only be used where the Type = 19G or 20G

2.2.2.5 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.

2.2.2.6 INTERNAL SHIPPER ACCOUNT – CODING SCHEME

ACTION	DESCRIPTION
Definition of element	The identification of the shipper account that is known to the responding Operator.
Description	The identification of the internal shipper account within a System Operator's system for which the document is referencing. The codification scheme used for the coded identification is indicated by the coding scheme attribute and 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 Internal Shipper Account is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters
Applicability	Both the Internal shipper Account and the coding scheme are Dependent.
Dependence requirements	This is only used when an internal shipper account is identified

2.2.2.7 ACCOUNT IDENTIFICATION– CODING SCHEME

ACTION	DESCRIPTION
Definition of element	The identification of an account that is known to both System Operators.
Description	The identification of an Account that is known to both system Operators. 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 Account Identification is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters
Applicability	Both the Account Identification and the coding scheme are mandatory.
Dependence requirements	None.

2.2.2.8 ACCOUNT ROLE

ACTION	DESCRIPTION
Definition of element	The identification of the role played by the account
Description	The identification of the role played by the Account Identification. The following Roles are permitted: UD = Utlimate Customer ZES = External Shipper
Size	The maximum length of the Account Role is 3 alphanumeric characters.
Applicability	Both the Account Role and the coding scheme are mandatory.
Dependence requirements	None.

2.2.3 Rules governing the Period Class

There must always be a Period 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 period in question.
Description	This information provides the start and end date and time of the period being reported. The Time Interval shall cover a whole gas day of 24 hours.
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 DIRECTION

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

2.2.3.3 QUANTITY

ACTION	DESCRIPTION
Definition of element	The quantity for the connection point within the time interval in question.
Description	This information defines the quantity for the connection point within the time interval period. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part. (ISO 6093) shall always be a period ("."). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark 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 MEASURE UNIT

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to all the quantities in the time series of the document.
Description	The unit of measurement used for all the quantities expressed within a time series. The following are the codes recommended for use: KW1 Kilowatt-hour per hour (kWh/h) KW2 Kilowatt-hour per day (kWh/d) HM1 Million cubic meters per hour HM2 Million cubic meters per day TQH Thousand cubic meters per hour TQD Thousand cubic meters per day MQ5 Normal cubic meters P1 Percentage (only where Type = 20G)
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 Status Class

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

2.2.4.1 QUANTITY STATUS

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

2.2.4.2 REASONTEXT

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

2.2.5 Rules governing the Decomposition Class

The presence of a Decomposition Class is dependent on the information requirements that are determined by local market rules.

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

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

The Unit of Measure must be identical to the Unit of Measure identified in the Period class.

The Direction must be identical to the Direction identified in the Period class.

2.2.5.1 TYPE

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

2.2.5.2 QUANTITY

ACTION	DESCRIPTION
Definition of element	The quantity that is being used for the type of contract in question.
Description	This information provides the quantity that is being extracted from a given type of contract.
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

2.2.6   Rules governing the GCV Estimated Information Class

There may zero to many GCV estimated information in a Nomination Response document.

2.2.6.1 LINE NUMBER

ACTION	DESCRIPTION
Definition of element	A sequential number of the GCV set.
Description	Each GCV Estimated Information is assigned a sequential number to identify it within the set being provided in the document.
Size	The maximum length of this information is 6 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.6.2 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.

2.2.6.3 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. The Time Interval shall cover a whole gas day of 24 hours.
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.

2.2.6.4 MEASUREMENT TYPE

ACTION	DESCRIPTION
Definition of element	The identification of the type of measurement that is being applied.
Description	The type of measurement that is used. The following are the codes recommended for use: ZDG Connection point GCV conversion ZGF Nominated daily GCV ZGL Lowest announced GCV ZGV GCV conversion
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.6.5 QUANTITY MEASURE UNIT

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to the quantity measured
Description	The unit of measurement used for to identify the measure unit of the quantity measured. The following are the codes recommended for use: KW3 Kilowatt-hour per cubic meter
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.6.6 QUANTITY MEASURED

ACTION	DESCRIPTION
Definition of element	The quantity that is measured for the GCV.
Description	This information defines the quantity that is used for the measurement of the GCV. 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.

3   EDIFACT IMPLEMENTATION OF NOMRES

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 ORDRSP D.08B BRANCHING DIAGRAM

The NOMRES template is based on the UN/EDIFACT ORDRSP message. This structure illustrates how the segments will be used in this template.
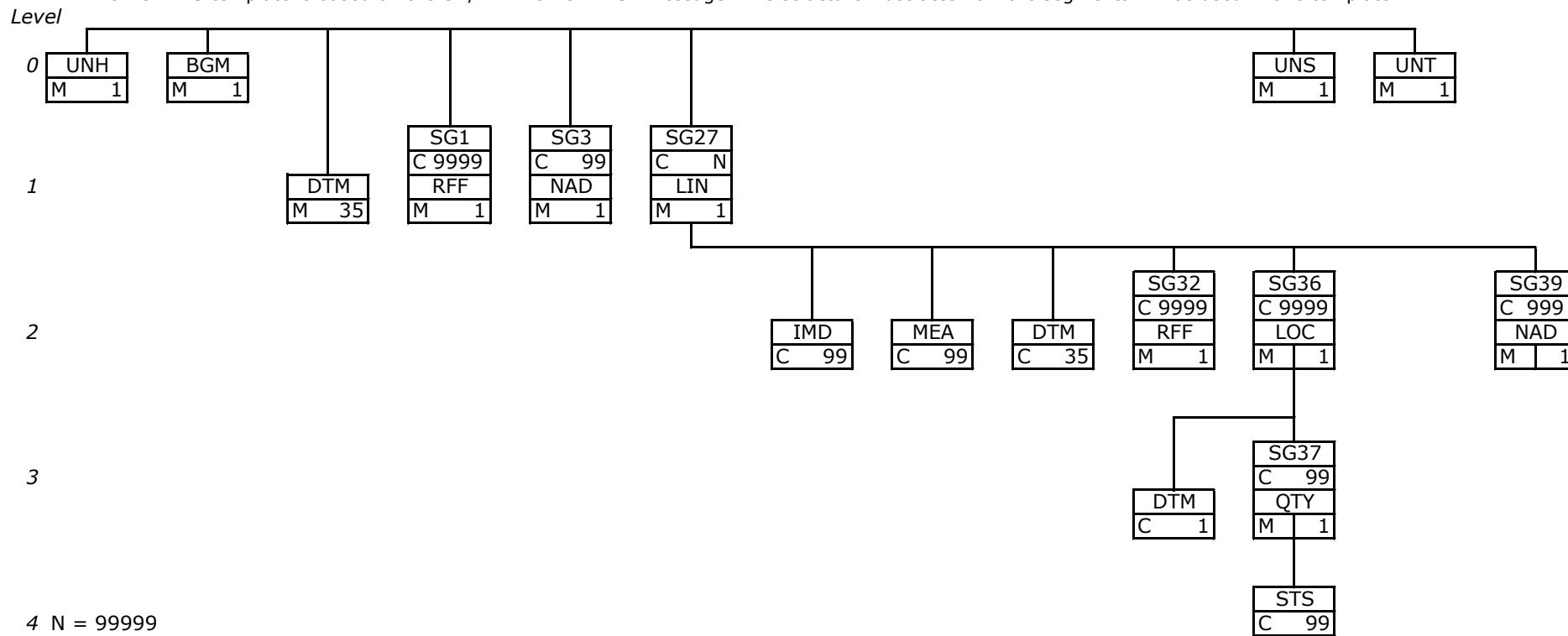
3.2   EDIFACT TEMPLATE DESCRIPTION

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

Message purpose	BGM-1001 =
Matching notice: Message sent by a System Operator to communicate to the Shipper his accepted nomination as well as the one of the counter shipper	07G
Confirmation notice: Message sent by a System Operator to confirm the transportable quantity and to inform about transportable quantity processed by the counter System Operator	08G
Exchange matching notice: Message sent by the System Operator to communicate to the Exchange Trader his accepted nomination as well as the one of the counter Exchange Trader	19G
Exchange confirmation notice: Message sent by the System Operator to confirm the quantity based on the Exchange Trader nomination	20G

3.3 EDIFACT TEMPLATE DESCRIPTION

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. **NOMRES** (=Nomination Response message)
S009:0052	M	an..3	Message version number	Version number of a message type. **5** (=MIG Version)
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+NOMRES:5:0: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. *See restricted code list below*
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. *See section 2.2.1.1*
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	N	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+07G::321+NOMRES20090101A00001+9'**			

Restricted code list for BGM-1001	
07G	Matching notice
08G	Confirmation notice
19G	Exchange matching notice
20G	Exchange confirmation notice

DTM - M	
Remarks	*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 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. **Z05** (=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. *Date/time in format as indicated in C507:2379*
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. *Date/time in format as indicated in C507:2379*
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	*The mandatory segment group 1 consists only of RFF.* *There will be only one occurrence of segment group 1 at header level to provide:* ➢ *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.* ➢ *The contract identification when only one contract is relevant for the whole message.*

RFF – M				REFERENCE – To specify a reference.	
				This identifies the contract (group) relevant for this message	
C506:1153	M	an..3	Reference code qualifier	Code qualifying a reference. *See restricted qualifier code list below*	
C506:1154	M	an..35	Reference identifier	Identifies a reference. *Mutually agreed contract identification*	
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+Z11:TRABCRR01'**	

Restricted qualifier code list for RFF-C506:1153	
CT	Contract number
Z11	Contract group reference number

SG3 – M	NAD
Remarks	*Two NAD segments are mandatory, one to identify the issuer of the message and one to identify the recipient of the message*

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 issuer and recipient of the message	
3035	M	an..3	PARTY FUNCTION CODE QUALIFIER	Code giving specific meaning to a party. *See restricted qualifier code list below*
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.* *See restricted qualifier code list below*
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+ZSO+GREENGAS::321'**	

Restricted qualifier code list for NAD-3035 for issuers of a message	
ZSO	System Operator
ZSV	Exit grid operator
ZSW	Entry grid operator
ZSX	Balance area operator

Restricted qualifier code list for NAD-3035 for recipients of a message	
ZHC	Exchange trader (if BGM-1001 = 19G or 20G)
ZSH	Shipper (if BGM-1001 = 07G or 08G)
ZSY	Balance area responsible 'e.g. handles shippers with no formal contract)

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

DETAIL SECTION

SG27 – M	LIN-IMD-MEA-DTM-SG32-SG36-SG39
Remarks	*The mandatory segment group 27 (LIN-loop) must appear at least once in the message. It will be repeated as many times (up to a maximum of 200.000 per message) as is required to cover all requirements. The segment group consists of:*
	➢ *LIN to uniquely identify the line item – (mandatory)*
	➢ *IMD to provide the business rules qualification flag – (conditional)*
	➢ *MEA to provide message or line item related to GCV conversion estimations – (conditional)*
	➢ *DTM to specify date, time or period information relevant for this information – (conditional)*
	➢ *SG32–[RFF] to provide a line item related to a contract reference – (conditional)*
	➢ *SG36–[LOC-DTM-SG37] to provide a line item related to a connection point and quantity date/time/period and status information relevant for that connection point – (mandatory)*
	➢ *SG39-[NAD] to provide line item related to a party identification – (conditional)*
	The LIN-loop can be used for two purposes in this template:
	➢ *To provide information that is relevant for the whole message concerning the GCV conversion estimation – those occurrences are conditional*
	➢ *To provide the detailed information – those occurrences are mandatory.*

SG27.1 -C	LIN-MEA-DTM-SG36
Remarks	*A first conditional set of occurrences of segment group 27 is meant to transmit the GCV conversion estimation that is valid for the rest of the message.*
	Segment (groups) that included in this occurrence are:
	➢ *LIN to uniquely identify the line item – (mandatory)*
	➢ *MEA to provide message or line item related to GCV conversion values. – (mandatory)*
	➢ *DTM to specify date, time or period information relevant for this information – (mandatory)*
	➢ *SG36–[LOC] to provide a connection point relevant for the values indicated in MEA – (mandatory)*
	If this information is not needed for the correct interpretation of the rest of the message, this occurrence of segment group 27 should be omitted.

LIN - M	LINE ITEM – To identify a line item and configuration.				
	Starts each new occurrence of the LIN-Loop				
1082	M	n..6	LINE ITEM IDENTIFIER		To identify a line item. *Sequential number*
1229	N	an..3	ACTION CODE		Code specifying the action to be taken or already taken. **NOT USED**
C212:7140	N	an..35	Item identifier		To identify an item. **NOT USED**
C212:7143	N	an..3	Item type identification code		Coded identification of an item type. **NOT USED**
C212:1131	N	an..17	Code list identification code		Code identifying a user or association maintained code list. Not used **NOT USED**
C212:3055	N	an..3	Code list responsible agency code		Code specifying the agency responsible for a code list. **NOT USED**
C289:5495	N	an..3	Sub-line indicator code		Code indicating a sub-line item. **NOT USED**
C289:1082	N	an..6	Line item identifier		To identify a line item. **NOT USED**
1222	N	n..2	CONFIGURATION LEVEL NUMBER		To specify a level within a configuration. **NOT USED**
7083	N	an..3	CONFIGURATION OPERATION CODE		Code specifying the configuration operation. **NOT USED**
Remarks	*LIN-1082 is an identification, assigned by the originator of the message, allowing to unambiguously identify each new occurrence of LIN in the message.* ***Recommendation****: unless special requirements impose a different approach Edig@s recommends the use of a simple numerical sequence starting with '1' and incremented by 1 for each new occurrence of the LIN-segment.*				
Example	**LIN+1'**				

MEA-M			MEASUREMENTS – To specify physical measurements, including dimension tolerances, weights and counts. Provides GCV conversion values.	
6311	M	an..3	MEASUREMENT PURPOSE CODE QUALIFIER	Code qualifying the purpose of the measurement. **SV** (=Specification value)
C502:6313	M	an..3	Measured attribute code	Code specifying the attribute measured. *See restricted code list below*
C502:6321	N	an..3	Measurement significance code	Code specifying the significance of a measurement. **NOT USED**
C502:6155	N	an..17	Non-discrete measurement name code	Code specifying the name of a non-discrete measurement. **NOT USED**
C502:6154	N	an..70	Non-discrete measurement name	Name of a non-discrete measurement. **NOT USED**
C174:6411	M	an..8	Measurement unit code	Code specifying the unit of measurement. **KW3** = *(Kilowatt hour per cubic meter (kWh/m³))*
C174:6314	M	an..18	Measure	To specify the value of a measurement. *GCV value*
C714:6162	N	n..18	Range minimum quantity	To specify the minimum value of a range. **NOT USED**
C714:6152	N	n..18	Range maximum quantity	To specify the maximum value of a range. **NOT USED**
C714:6432	N	n..2	Significant digits quantity	Count of the number of significant digits. **NOT USED**
7383	N	an..3	SURFACE OR LAYER CODE	Code specifying the surface or layer of an object. **NOT USED**
Remarks			*MEA is used if there is a need to transmit the GCV conversion values. Only one occurrence of MEA per LIN is possible.*	
Example			**MEA+SV+ZDG+KW3:11,82'**	

Restricted code list for MEA-C502:6313	
ZDG	(TSO) Connection Point GCV conversion
ZGF	Nominated GCV
ZGL	Lowest announced GCV
ZGV	GCV conversion

DTM-M			DATE/TIME/PERIOD - To specify date, and/or time, or period. Identifies the date/time/period for the preceding value	
C507:2005	M	An..3	Date or time or period function code qualifier	Code qualifying the function of a date, time or period. **7** (=Effective 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. *Period in format as indicated in C507:2379*
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+7:200309090400200309160400:719'**	

SG36 – M	LOC
Remarks	*The mandatory segment group 36 consists only of LOC and is used to identify a connection point that is relevant for the values identified in MEA.*

LOC – M			LOCATION – To identify a place or a location and/or related locations.	
			Identifies the connection point relevant for the values in this LIN-loop	
3227	M	an..3	LOCATION FUNCTION CODE QUALIFIER	Code identifying the function of a location. **Z19** *(= Connection Point)*
C517:3225	M	an..35	Location identification	To identify a location. *Use relevant code from one of the restricted code lists below*
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. *See restricted code list below*
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 **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 **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				
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

SG27.2 – M	LIN-IMD-SG32-SG36-SG39
Remarks	*A second set of occurrences of segment group 27 is mandatory and provides the quantities and related information. At least one occurrence must appear in the message.* *Segment (groups) that are typically included in this occurrence are:* ➤ *LIN to uniquely identify the line item – (mandatory)* ➤ *IMD to provide the business rules qualification applicable for all quantities in this LIN – (conditional)* ➤ *SG32–[RFF] to provide a line item related to a contract reference – (conditional)* ➤ *SG36–[LOC-DTM-SG37] to provide a line item related to a connection point date/time/period and quantity/status information relevant for that connection point – (mandatory)* ➤ *SG39-[NAD] to provide line item related to a party identification – (conditional)*

Attention	***STRUCTURE OF SEGMENT GROUP 27:***
	 The following describes how segment group 27 should be structured.
	 Segment group 27 can consist of 3 segment groups, i.e. SG32 (contract reference), SG36 (connection point, quantity and date) and SG39 (related party). As long as SG32, SG36 and SG39 remain unchanged all requirements can be provided in one single occurrence of segment group 27. However if SG32 and/or SG36 and/or SG39 have different values a new occurrence of segment group 27 will be required for each new combination. Examples:
	 1. *SG32 and SG39 remain unchanged*
	    SG36 can be repeated up to 9.999 times under LIN. Unless the number of occurrences is not enough to provide all requirements in one LIN, no new segment group 27 should be created.
	    Segment group 32 is only used if a transport contract group has been identified at header level.
	 Note that connection points, quantity qualifiers and measure units as well as the dates can be different.
	 Note2: If a line represents the decomposition of quantity in a line being nominated the composite C289 is employed to indicate the values of the decomposition.
	 2. *SG32 and/or SG39 have different values*
	    When different contracts and /or parties need to be identified for different connection points, quantities and/or dates, then a new segment group 27 needs to be created for each new condition.

LIN - M	LINE ITEM – To identify a line item and configuration.				
	Starts each new occurrence of the LIN-Loop				
1082	M	n..6	LINE ITEM IDENTIFIER	To identify a line item. *Sequential number*	
1229	N	an..3	ACTION CODE	Code specifying the action to be taken or already taken. **NOT USED**	
C212:7140	N	an..35	Item identifier	To identify an item. **NOT USED**	
C212:7143	N	an..3	Item type identification code	Coded identification of an item type. **NOT USED**	
C212:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. Not used **NOT USED**	
C212:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. **NOT USED**	
C289:5495	N	an..3	Sub-line indicator code	Code indicating a sub-line item. *In case of the decomposition of a Quantity for a Period the sub-line item indicates that the line is a decompositionof the line identified in C289:1082*	
C289:1082	N	an..6	Line item identifier	To identify a line item. *In the case of a line that is being decomposed by contract type, this indicates the number of the line in question. The sub line indicator indicates that the line is a decomposition.*	
1222	N	n..2	CONFIGURATION LEVEL NUMBER	To specify a level within a configuration. **NOT USED**	
7083	N	an..3	CONFIGURATION OPERATION CODE	Code specifying the configuration operation. **NOT USED**	
Remarks	*LIN-1082 is an identification, assigned by the originator of the message, allowing to unambiguously identify each new occurrence of LIN in the message.* ***Recommendation**: unless special requirements impose a different approach Edig@s recommends the use of a simple numerical sequence starting with '1' and incremented by 1 for each new occurrence of the LIN-segment.*				
Example	**LIN+3'**				

IMD-M			ITEM DESCRIPTION – To describe an item in either an industry or free format.	
			Provides the business rules qualification for all quantities in this LIN	
7077	N	an..3	DESCRIPTION FORMAT CODE	Code specifying the format of a description. **NOT USED**
C272:7081	M	an..3	Item characteristic code	Code specifying the characteristic of an item. **05G** (=Business rules qualification flag)
C272:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. **NOT USED**
C272:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. **NOT USED**
C273:7009	M	an..17	Item description code	Code specifying an item. *See restricted code list below*
C273:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. Not used **NOT USED**
C273:3055	M	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. **321** (=Edig@s)
C273:7008	N	an..256	Item description	Free form description of an item. **NOT USED**
C273:7008	N	an..256	Item description	Free form description of an item. **NOT USED**
C273:3453	N	an..3	Language name code	Code specifying the language name. **NOT USED**
7383	N	an..3	SURFACE OR LAYER CODE	Code specifying the surface or layer of an object. **NOT USED**
Remarks			*In this position IMD is only used to transmit a business rules qualification flag or additional business information flag that provides the nomination status for all quantities in this LIN-loop.*	
Example			**IMD++05G+13G::321'**	

Restricted qualifier code list for IMD-C273:7009	
12G	Accepted by System Operator
13G	Accepted by adjacent System Operator
15G	Processed by adjacent System Operator
16G	Confirmed
17G	Nominated by document receiver
18G	Nominated by counter party

SG32 – C	RFF
Remarks	*The conditional segment group 32 consists only of RFF.* *The segment group is used when RFF at header level refers to a contract group identification (RFF-C506:1153 = Z11)* *The segment group contains the reference to the contract relevant for this segment group 27.* *There may be a maximum of two segment group 32 per segment group 27.* *Separate occurrences of segment group 27 are required for each category or for each different contract.*

RFF – M			REFERENCE – To specify a reference.	
			– Identifies a contract and/or a category	
C506:1153	M	an..3	Reference code qualifier	Code qualifying a reference. *See restricted code list below*
C506:1154	M	an..35	Reference identifier	Identifies a reference. *Mutually agreed contract identification or restricted category list below*
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:TRABCRR01NN'**			

Restricted qualifier code list for RFF-C506:1153	
CT	Contract
Z14	Category

Restricted qualifier code list for RFF-C506:1154 for categories	
GGV	Yearly offtake > 1.000.000 m3 hourly measured
GKV	Yearly offtake < 170.000 m3, hourly measured
G1A	Yearly offtake < 5.000 m3
G2A	5.000 m3 <= yearly offtake < 170.000 m3 and pbt < 750 hrs
G2B	5.000 m3 <= yearly offtake < 170.000 m3 and 750 hours <= pbt < 1500 hours
G2C	5.000 m3 <= yearly offtake < 170.000 m3 and pbt >= 1500 hours
GXX	170.000 m3 <= yearly offtake < 1.000.000 m3 hourly measured

SG36 – M	LOC-DTM -SG37
Remarks	*The mandatory segment group 36 will be repeated as many times as required to cover the whole period with a maximum of 9999 occurrences per LIN-loop. The segment group consists of:* ➢ *LOC to identify a connection point that is relevant for this line item – (mandatory)* ➢ *DTM to specify relevant date/time/period information – (mandatory)* ➢ *SG37 to provide the quantity and status information relevant for this connection point – (mandatory)* ➢ *If there are several quantities with different status information for a given period the information is provided in the following manner:* *LOC+Z19'DTM+2:DATE1:719'QTY+Z02:QUANTITY1:KW1'STS+06G::321+09G::321'* *QUANTITY2:KW1'STS+06G::321+08G::321'*

LOC-M			LOCATION – To identify a place or a location and/or related locations.	
			Identifies the connection point relevant for the quantities in this LIN-loop	
3227	M	an..3	LOCATION FUNCTION CODE QUALIFIER	Code identifying the function of a location. **Z19** *(= connection point)*
C517:3225	M	an..35	Location identification	To identify a location. *Use relevant code from one of the restricted code lists below*
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. *See restricted code list below*
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 **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 **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				
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

DTM-M			DATE/TIME/PERIOD - To specify date, and/or time, or period.	
			Identifies the date/time/period for the following 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. *Period in format as indicated in C507:2379*
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 LOC in segment group 36.*	
Example			**DTM+2:200309150400200309160400:719'**	

SG37 – M	QTY-STS
Remarks	*The mandatory segment group 37 may be repeated up to 99 times as required to cover the requirements for indicating the quantities and their status information per connection point The segment group consists of:* ➢ *QTY to provide the quantity for a given connection point. There is at least one quantity per connection point – (mandatory).). It may also be used to provide the decomposition values for different contract types in the case where C289 of LIN is used.* ➢ *STS to provide any status information for the quantity in question – (conditional)*

QTY -M	QUANTITY – To specify a pertinent quantity.				
C186:6063	M	an..3	Quantity type code qualifier	Code qualifying the type of quantity. *See restricted qualifier code list below*
C186:6060	M	an..35	Quantity	Alphanumeric representation of a quantity. *Actual quantity*
C186:6411	M	an..8	Measurement unit code	Code specifying the unit of measurement. *See recommended qualifier code list below*
Remarks	*There is only one QTY per LOC in segment group 36.*				
Example	**QTY+Z03:6782:KW1'**				

Restricted qualifier code list for QTY-C186:6063	
Z02	Input quantity
Z03	Output quantity
In the case of quantity decomposition only	
ZXD	Firm
ZXE	Makeup
ZXF	Interruptable

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
MQ5	Normal cubic meters
P1	Percentage (20G only)

STS-C			Status – To specify the status of an object or service, including its category and the reason(s) for the status.	
C601:9015	M	an..3	Status category code	Code specifying the category of a status. **08G** *(=Status category)*
C601:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. **NOT USED**
C601:3055	M	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. **321** (=Edig@s)
C555:4405	M	an..3	Status description code	Code specifying a status. *See restricted code list below*
C555:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. **NOT USED**
C555:3055	M	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. **321** (=Edig@s)
C555:4404	C	an..35	Status description	Free form description of a status
C556:9013	N	an..3	Status reason description code	Code specifying the reason for a status. **NOT USED**
C556:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. **NOT USED**
C556:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. **NOT USED**
C556:9012	N	an..256	Status reason description	Free form description of the status reason. **NOT USED**
C556:9013	N	an..3	Status reason description code	Code specifying the reason for a status. **NOT USED**
C556:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. **NOT USED**
C556:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. **NOT USED**
C556:9012	N	an..256	Status reason description	Free form description of the status reason. **NOT USED**
C556:9013	N	an..3	Status reason description code	Code specifying the reason for a status **NOT USED**.
C556:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. **NOT USED**
C556:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. **NOT USED**
C556:9012	N	an..256	Status reason description	Free form description of the status reason. **NOT USED**
C556:9013	N	an..3	Status reason description code	Code specifying the reason for a status. **NOT USED**
C556:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. **NOT USED**
C556:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. **NOT USED**
C556:9012	N	an..256	Status reason description	Free form description of the status reason. **NOT USED**
C556:9013	N	an..3	Status reason description code	Code specifying the reason for a status. **NOT USED**
C556:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. **NOT USED**
C556:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. **NOT USED**
C556:9012	N	an..256	Status reason description	Free form description of the status reason. **NOT USED**
Remarks			
Example			**STS+08G::321+07G::321'**

Restricted qualifier code list for STS-C555:4405	
06G	Mismatch
07G	Interrupted
08G	Interrupted firm
09G	Quality deficient gas
10G	Reduced Capacity
11G	Below 100%
12G	Settled
13G	Unchanged settled
14G	No counter nomination
35G	Counter Party Prevailed.

36G	No Match counter party prevailed.
37G	Reduced Nominated Quantity.

SG39 – M	NAD
Remarks	*The conditional segment group 39 consists only of NAD.* *If different parties are related to different connection points, quantities, dates, contracts, etc. then a new segment group 27 must be created for each new combination.*

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.	
			Identifies a party specifically related to this Lin-loop	
3035	M	an..3	PARTY FUNCTION CODE QUALIFIER	Code giving specific meaning to a party. *See restricted qualifier code list below*
C082:3039	M	an..35	Party identifier	Code specifying the identity of a party. *Identification of the Shipper or ultimate customer.*
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.* *See restricted code list below*
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+ZSH+SHIPPER02::ZSO'**	

Restricted qualifier code list for NAD-3035	
UD	Ultimate Customer
ZES	External Shipper
ZSH	Internal Shipper

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

UNS – M			SECTION CONTROL – To separate header, detail and summary sections of a message. Separates the Detail and the Summary sections	
0081	M	a1	Section identification	Separates sections in a message. **S** (=Detail/Summary section separation)
Remarks			*There is one mandatory occurrence of UNS at the end of the header or detail section in the message.* *There is one mandatory occurrence of UNS at the end of the detail section in the message. The following segments can only contain summary information and may not carry new information*	
Example			**UNS+S'**	

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. *Total number of segments in message (including UNH & UNT)*
0062	M	an..14	MESSAGE REFERENCE NUMBER	Unique message reference assigned by the sender. *Must be identical to UNH-0062*
Remarks			*There is one mandatory occurrence of UNT at the end of the message.*	
Example			**UNT+175+1'**	

-   -

4   XML IMPLEMENTATION OF NOMRES

4.1   XML STRUCTURE
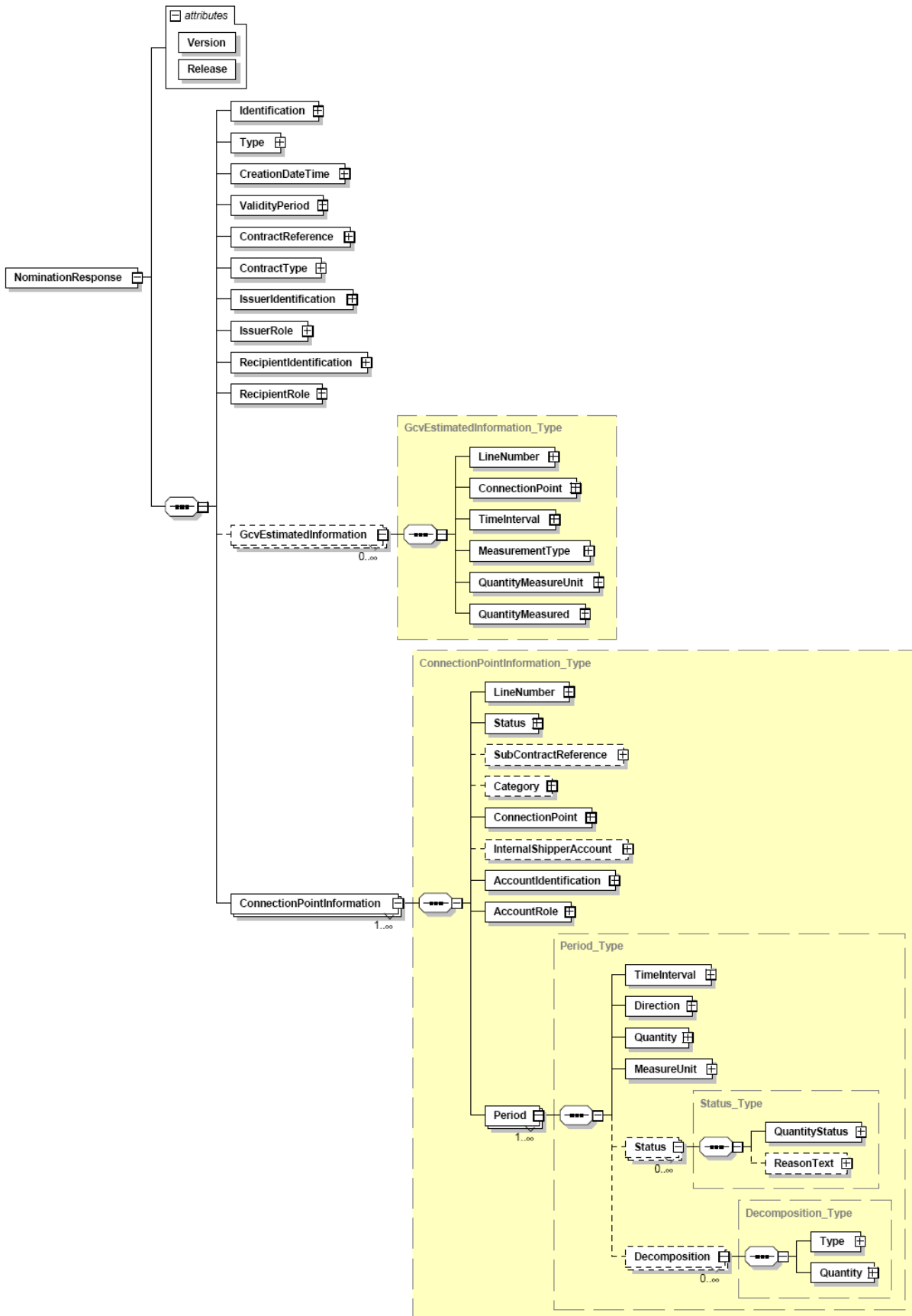
4.2 XML SCHEMA

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: "5". This corresponds to the Message Implementation Guide Version number.

4.2.2   Schema

```xml
<?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="NominationResponse">
                <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="IssuerIdentification" type="ecc:PartyType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="IssuerRole" type="ecc:RoleType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="RecipientIdentification" type="ecc:PartyType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="RecipientRole" type="ecc:RoleType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
```

```xml
                                        <xsd:element name="GcvEstimatedInformation" type="GcvEstimatedInformation_Type"
minOccurs="0" maxOccurs="unbounded"/>
                                        <xsd:element name="ConnectionPointInformation" type="ConnectionPointInformation_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="GcvEstimatedInformation_Type">
                        <xsd:annotation>
                                <xsd:documentation/>
                        </xsd:annotation>
                        <xsd:sequence>
                                <xsd:element name="LineNumber" type="ecc:PositionType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="ConnectionPoint" type="ecc:MeasurementPointType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="MeasurementType" type="ecc:MeasureDimensionType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="QuantityMeasureUnit" type="ecc:UnitOfMeasureType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="QuantityMeasured" type="ecc:QuantityType">
                                        <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="Direction" 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:element name="Status" type="Status_Type" minOccurs="0" maxOccurs="unbounded"/>
                                <xsd:element name="Decomposition" type="Decomposition_Type" minOccurs="0"
maxOccurs="unbounded"/>
                        </xsd:sequence>
                </xsd:complexType>
                <xsd:complexType name="ConnectionPointInformation_Type">
                        <xsd:annotation>
```

```
                                    <xsd:documentation/>
                        </xsd:annotation>
                        <xsd:sequence>
                                <xsd:element name="LineNumber" type="ecc:PositionType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="Status" type="ecc:BusinessType">
                                        <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="Category" type="ecc:CategoryType" minOccurs="0">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="ConnectionPoint" type="ecc:MeasurementPointType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="InternalShipperAccount" type="ecc:PartyType" minOccurs="0">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="AccountIdentification" type="ecc:PartyType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="AccountRole" type="ecc:RoleType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="Period" type="Period_Type" maxOccurs="unbounded"/>
                        </xsd:sequence>
                </xsd:complexType>
                <xsd:complexType name="Status_Type">
                        <xsd:annotation>
                                <xsd:documentation/>
                        </xsd:annotation>
                        <xsd:sequence>
                                <xsd:element name="QuantityStatus" type="ecc:StatusType">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                                <xsd:element name="ReasonText" type="ecc:ReasonTextType" minOccurs="0">
                                        <xsd:annotation>
                                                <xsd:documentation/>
                                        </xsd:annotation>
                                </xsd:element>
                        </xsd:sequence>
                </xsd:complexType>
                <xsd:complexType name="Decomposition_Type">
                        <xsd:annotation>
                                <xsd:documentation/>
                        </xsd:annotation>
                        <xsd:sequence>
                                <xsd:element name="Type" 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:schema>
```

5   DOCUMENT CHANGE LOG

Package	Version	Date	Description
4.0	1	2007-12-31	Version 4 issued
4.0	2	2009-04-27	Correction UNH, representation of 4405, 3225, 6411 and 6314
4.0	3	2010-01-28	Correction of the attribute type of the MeasurementType in the GCV class
4.0	4	2010-07-01	Correction to add codes 35G, 36G and 37G to the status attribute. Deleted unnecessary text. Added Decomposition to permit the identification of the types of contract that the nominated quantities refer to.
4.0	5	2010-01-04	Added Reason Text to the Status in order to enable more detailed information to be provided