

SECTION

II

Infrastructure Messages

01

NOMINT

Nomination Message

Version 4.0



EASEE-gas/Edig@s Workgroup

Document version: 4

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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 - NOMINT - message to be used in Electronic Data Interchange (EDI) between Gas Companies.

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

1.1 FUNCTIONAL DEFINITION

A NOMINT message is used whenever a shipper wants to make a specific infrastructure (transportation, storage, LNG...) nomination request to a System Operator.

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 NOMINT message is exchanged to indicate a quantity to be nominated for a given infrastructure function such as transport or storage.

1.3 FIELD OF APPLICATION

The NOMINT message is used by a Shipper to transmit infrastructure nomination information to a System Operator

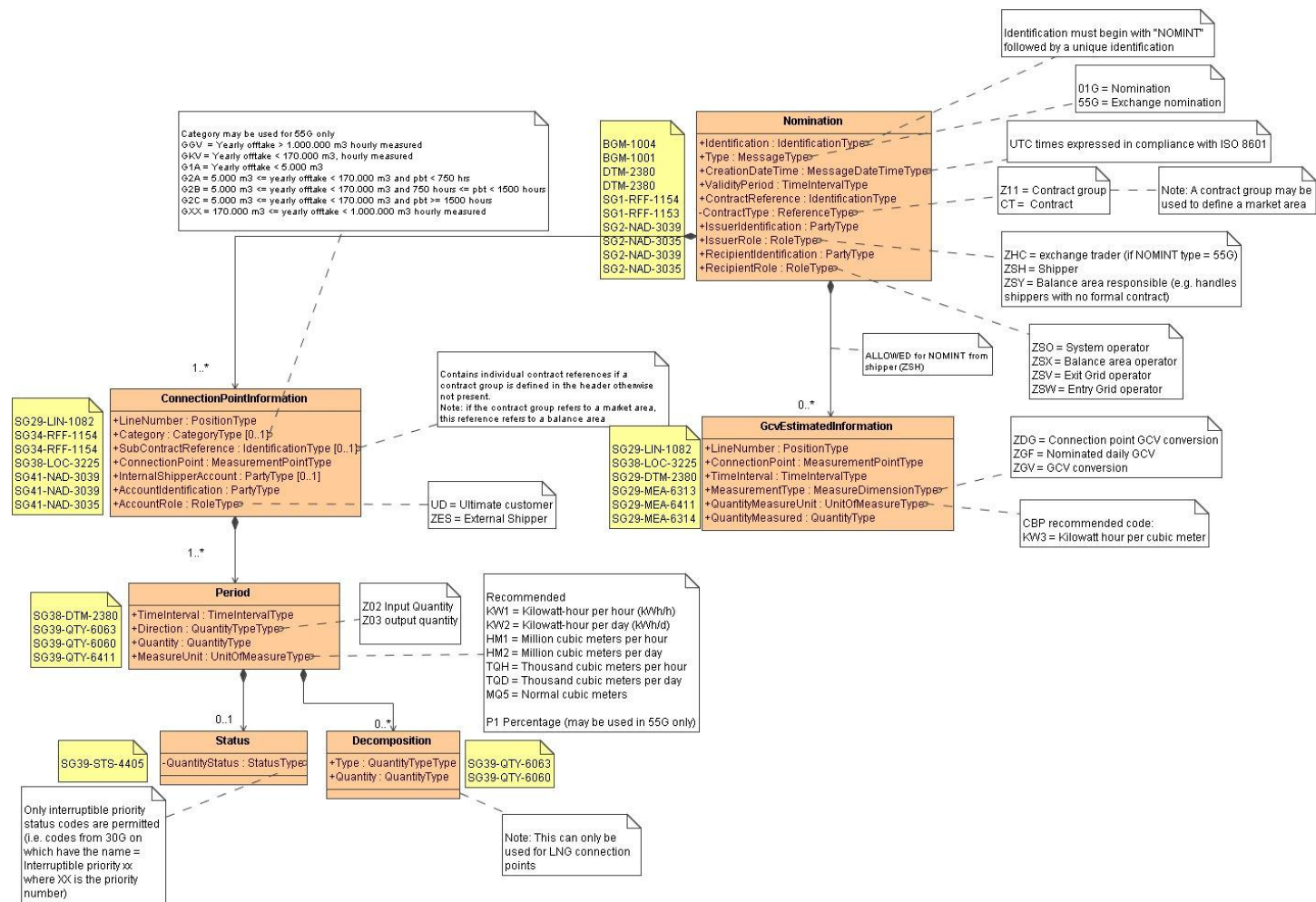
Normally this message will be replied to by means of a Nomination Response – NOMRES – message initiated by the System Operator. This NOMRES message is described in Part II.02 of the Edig@s MIG.

1.4 REFERENCES

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

2 INFORMATION MODEL FOR NOMINT

2.1 INFORMATION MODEL STRUCTURE



2.2 INFORMATION MODEL DESCRIPTION

A Nomination document is used during two distinct phases of the nomination process. It is used during the Transport phase by a shipper to send the initial nominations and any rectifications after reception of the NOMRES following the initial transmission. It may also be used during the Exchange phase by a market trader to inform a System Operator of nominations carried out on a trading place.

2.2.1 Rules governing the Nomination Document Class

2.2.1.1 IDENTIFICATION

| ACTION | DESCRIPTION |
|--------------------------------|--|
| Definition of element | Unique identification of the document describing the Nomination document. |
| Description | A Nomination 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: NOMINT 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 "NOMINT20090101A00001". The sender must guarantee that this identification is unique over time |
| Size | The identification of a Nomination 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 Document that is being sent. The following types of Nomination Document are currently permitted: 01G = Nomination. A message used by a Shipper to nominate the quantities to be transported or stored/withdrawn within the stated period. 55G = Exchange Nomination. A message from the Hub Customer to the Hub Service Provider to nominate quantities to be exchanged at a Hub (virtual trading point). |
| 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. |
| Description | The contract reference may be of two types which is identified by the Contract Type: <ul style="list-style-type: none"> ➤ 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 level. ➤ 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: ZHC = Exchange Trader (only if Type = 55G); ZSH = Shipper 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. |

2.2.1.9 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: 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. |

2.2.2 Rules governing the Connection Point Information Class

There may one to many Connection Points in a Nomination 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 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 = 55G. 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 = 55G |

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 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. |

2.2.2.5 INTERNAL SHIPPER ACCOUNT – CODING SCHEME

| ACTION | DESCRIPTION |
|--------------------------------|--|
| Definition of element | The identification of the shipper account that is known to the receiving 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 |

2.2.2.6 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. |

2.2.2.7 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 = Ultimate Customer ZES = External Shipper |
| Size | The maximum length of the Account Role is 3 alphanumeric characters. |
| Applicability | Both the Account Role is 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 | <p>The unit of measurement used for all the quantities expressed within a time series.</p> <p>The following are the codes recommended for use:</p> <ul style="list-style-type: none"> 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 = 55G) |
| 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 that are determined by local market rules. Only one status class is permitted per Quantity.

2.2.4.1 QUANTITY STATUS

| ACTION | DESCRIPTION |
|--------------------------------|---|
| Definition of element | The status of given quantity within a time interval. |
| Description | <p>This information provides the status of the quantity for the time interval being reported.</p> <p>Currently only Interruptible Priority status values as defined in the Edig@s codelist are permitted (codes from 30G on where the name corresponds to "Interruptible priority xx" where XX equals the interruptible priority number).</p> |
| Size | The maximum length of this information is 3 alphanumeric characters. |
| Applicability | This information is mandatory. |
| Dependence requirements | None |

2.2.5 Rules governing the Decomposition Class

The presence of a Decomposition Class is dependent on the information requirements that are determined by local market rules and is restricted to LNG Connection Points.

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 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 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

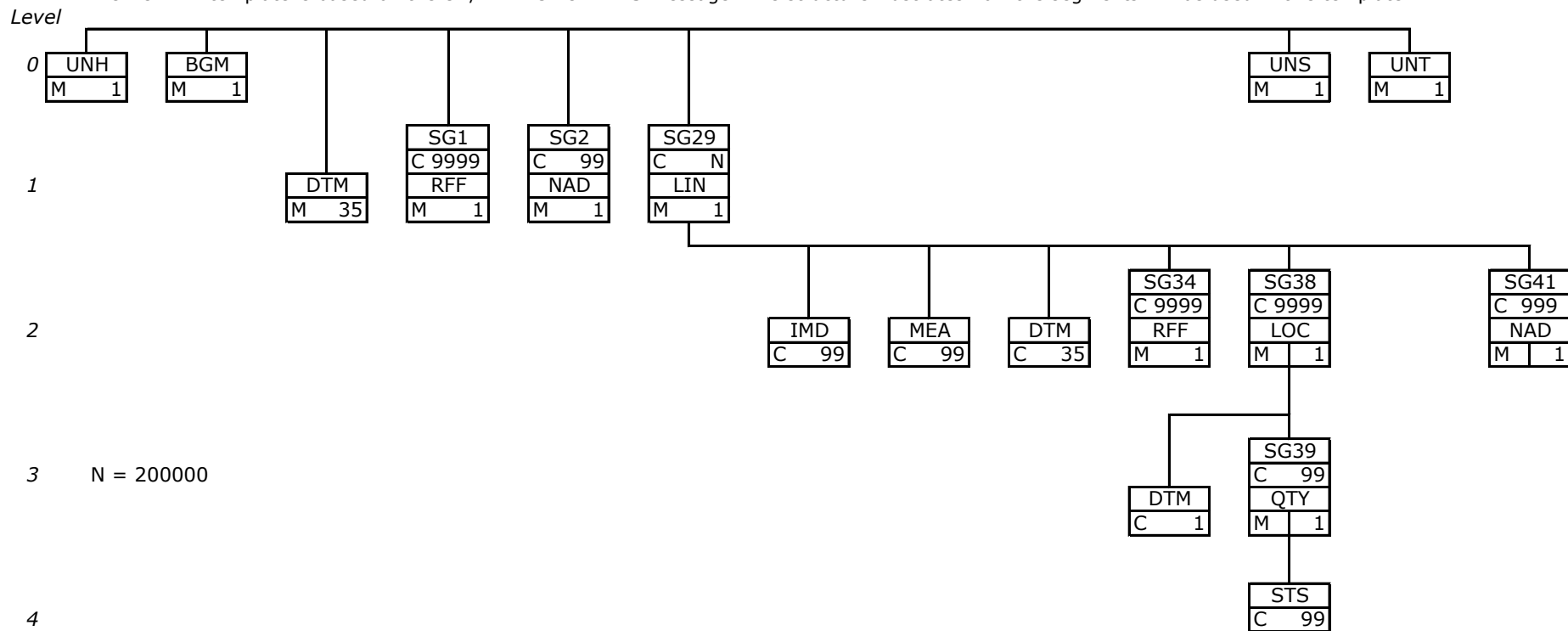
| ACTION | DESCRIPTION |
|--------------------------------|---|
| Definition of element | The quantity that is measured for the GCV. |
| Description | This information defines the quantity that is used for the measurement of the GCV. A decimal point value may be used to express values that are inferior 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 NOMINT

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 ORDERS D.08B BRANCHING DIAGRAM

The NOMINT template is based on the UN/EDIFACT ORDERS message. This structure illustrates how the segments will be used in this template.



3.2 EDIFACT TEMPLATE DESCRIPTION

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

| Message purpose | BGM-1001 = |
|--|------------|
| Nomination: message used by a Shipper to nominate the quantities to be transported or stored/withdrawn within the stated period. | 01G |
| Exchange Nomination: message from the Hub Customer to the Hub Service Provider to nominate quantities to be exchanged at a Hub (virtual trading point). | 55G |

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. NOMINT (=Nomination message) | |
| S009:0052 | M | an..3 | Message version number | Version number of a message type. 4 (=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 | <i>There is one mandatory occurrence of UNH per message.</i> | | | | |
| Example | UNH+1+NOMINT:4:0:EG:EGAS40' | | | | |

| BGM-M | | BEGINNING OF MESSAGE – To indicate the type and function of a message and to transmit the identifying number. | | | |
|------------------|---|--|-------------------------------|--|--|
| C002:1001 | M | An..3 | Document name code | Code specifying the document name. <i>See restricted code list below</i> | |
| C002:1131 | N | An..3 | Code list identification code | Code identifying a user or association maintained code list NOT USED | |
| C002:3055 | M | An..3 | Code list responsible agency | Code identifying a user or association maintained code list. 321 (=Edig@s) | |
| C002:1000 | N | An..35 | Document name | Name of a document. NOT USED | |
| C106:1004 | M | An..35 | Document identifier | To identify a document. <i>See section 2.2.1.1</i> | |
| C106:1056 | N | An..9 | Version identifier | To identify a version. NOT USED | |
| C106:1060 | N | An..6 | Revision identifier | To identify a revision NOT USED | |
| 1225 | M | An..3 | MESSAGE FUNCTION CODE | Code indicating the function of the message. 9 (=Original) | |
| 4343 | N | An..3 | RESPONSE TYPE CODE | Code specifying the type of acknowledgment required or transmitted. NOT USED | |
| Remarks | <i>There is one mandatory occurrence of BGM per message.</i> | | | | |
| Attention | <i>The following structure for the message number in BGM-1004 is mandatory in the Edig@s messages: 6 character message code + a unique identification</i> | | | | |
| Example | BGM+01G::321+NOMINT20090101A00001+9' | | | | |

| Restricted code list for BGM-1001 | |
|-----------------------------------|---------------------|
| 01G | Nomination |
| 55G | Exchange Nomination |

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

| | | | | |
|------------------|---|--------|--|--|
| DTM.1 - M | DATE/TIME/PERIOD - To specify date, and/or time, or period. It identifies the time definition | | | |
| C507:2005 | M | an..3 | Date or time or period function code qualifier | Code qualifying the function of a date, time or period. 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 | <i>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.</i> | | | |
| Example | DTM+Z05:0:805' | | | |

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

| | | | | |
|------------------|---|--------|--|--|
| DTM.3 - M | DATE/TIME/PERIOD - To specify date, and/or time, or period. It identifies the (validity) period covered by the message | | | |
| C507:2005 | M | an..3 | Date or time or period function code qualifier | Code qualifying the function of a date, time or period. Z01 (=Period identification) |
| C507:2380 | M | an..35 | Date or time or period text | The value of a date, a date and time, a time or of a period in a specified representation. <i>Date/time in format as indicated in C507:2379</i> |
| C507:2379 | M | an..3 | Date or time or period format code | Code specifying the representation of a date, time or period. 719 (=CCYMMDDHHMMCCYMMDDHHMM) |
| Remarks | | | | |
| Example | 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"> ➤ 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. <i>See restricted qualifier code list below</i> |
| C506:1154 | M | an..35 | Reference identifier | Identifies a reference. <i>Mutually agreed contract identification</i> |
| C506:1156 | N | an..6 | Document line identifier | To identify a line of a document. NOT USED |
| C506:1056 | N | an..9 | Version identifier | To identify a version. NOT USED |
| C506:1060 | N | an..6 | Revision identifier | To identify a revision. NOT USED |
| Remarks | | | | |
| Example | RFF+Z11:TRABCRR01' | | | |

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

| | |
|----------------|---|
| SG2 – M | NAD |
| Remarks | <i>Two NAD segments are mandatory, one to identify the issuer of the message and one to identify the recipient of the message</i> |

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

| Restricted qualifier code list for NAD-3035 for issuers of a message | |
|---|--|
| ZHC | Exchange trader (if BGM-1001 = 55G) |
| ZSH | Shipper (if BGM-1001 = 01G) |
| ZSY | Balance area responsible (e.g. handles shippers with no formal contract) |

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

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

DETAIL SECTION

| SG29 - M | LIN- MEA-DTM-SG34-SG38-SG41 |
|----------------|--|
| Remarks | <p>The mandatory segment group 29 (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:</p> <ul style="list-style-type: none"> ➤ LIN to uniquely identify the line item – (mandatory) ➤ MEA to provide message or line item related to GCV conversion values. – (conditional) ➤ DTM to specify date, time or period information relevant for this information – (conditional) ➤ SG34-[RFF] to provide a line item related to the contract reference and/or category – (conditional) ➤ SG38-[LOC-DTM-SG39] to provide a line item related to the connection point and quantity and date/time/period information relevant for that connection point – (mandatory) ➤ SG41-[NAD] to provide line item related to a party identification – (conditional) <p>The LIN-loop can be used for two purposes in this template:</p> <ul style="list-style-type: none"> ➤ To provide information that is relevant for the whole message but cannot be provided at header level – those occurrences are conditional ➤ To provide the detailed information – those occurrences are mandatory. |

| SG29.1 - C | LIN-MEA-DTM-SG38 |
|----------------|--|
| Remarks | <p>A first conditional set of occurrences of segment group 29 is meant to transmit the GCV conversion estimation that is valid for the rest of the message..</p> <p>Segment (groups) that are included in this occurrence are:</p> <ul style="list-style-type: none"> ➤ 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) ➤ SG38-[LOC] to provide a connection point relevant for the values indicated in MEA – (mandatory) <p>If this information is not needed for the correct interpretation of the rest of the message, this occurrence of segment group 29 should be omitted.</p> |

| 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. <i>Sequential number</i> |
| 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 | <p>LIN-1082 is an identification, assigned by the originator of the message, allowing to unambiguously identify each new occurrence of LIN in the message.</p> <p>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.</p> | | | |
| 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. <i>See restricted code list below</i> |
| 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/m ³)) |
| C174:6314 | M | an..18 | Measure | To specify the value of a measurement. <i>GCV value.</i> |
| 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 | <i>MEA is used if there is a need to transmit the GCV conversion values. Only one occurrence of MEA per LIN is possible.</i> | | | |
| Example | MEA+SV+ZDG+KW3:11.82' | | | |

| Restricted code list for MEA-C502:6313 | |
|--|---------------------------------------|
| ZDG | (TSO) Connection Point GCV conversion |
| ZGF | Nominated daily 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. <i>Period in format as indicated in C507:2379</i> |
| C507:2379 | M | An..3 | Date or time or period format code | Code specifying the representation of a date, time or period. 719 (=CCYYMMDDHHMMCCYYMMDDHHMM) |
| Remarks | | | | |
| Example | DTM+7:200309090400200309160400:719' | | | |

| | |
|-----------------|--|
| SG38 – M | LOC |
| Remarks | <i>The mandatory segment group 38 consists only of LOC and is used to identify a connection point that is relevant for the values identified in MEA.</i> |

| 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. <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. NOT USED | |
| C517:3055 | M | an..3 | Code list responsible agency code | Code specifying the agency responsible for a code list. <i>See restricted code list below</i> | |
| C517:3224 | N | an..256 | Location name | Name of the location. NOT USED | |
| C519:3223 | N | an..35 | First related location identifier | To identify a first related location. NOT USED | |
| C519:1131 | N | an..17 | Code list identification code | Code identifying a user or association maintained code list. Not used 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 |

| SG29.2 – M | LIN- SG34-SG38-SG41 |
|------------------|---|
| Remarks | <p>A second set of occurrences of segment group 29 is mandatory and provides the quantities and related information. At least one occurrence must appear in the message.</p> <p>Segment (groups) that are typically included in this occurrence are:</p> <ul style="list-style-type: none"> ➤ LIN to uniquely identify the line item – (mandatory) ➤ SG34-[RFF] to provide a line item related to a contract reference and/or category – (conditional) ➤ SG38-[LOC-DTM-SG39] to provide a line item related to a connection point and quantity and date/time/period information relevant for that connection point – (mandatory) ➤ SG41-[NAD] to provide line item related to a party identification – (mandatory) |
| Attention | <p>STRUCTURE OF SEGMENT GROUP 29:</p> <p>The following describes how segment group 29 should be structured.</p> <p>Segment group 29 can consist of 3 segment groups, i.e. SG34 (contract reference), SG38 (connection point, quantity and date) and SG41 (related party). As long as SG34, SG38 and SG41 remain unchanged all requirements can be provided in one single occurrence of segment group 29. However if SG34 and/or SG38 and/or SG41 have different values a new occurrence of segment group 29 will be required for each new combination. Examples:</p> <ol style="list-style-type: none"> 1. <u>SG34 and SG41 remain unchanged</u> SG38 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 29 should be created. Segment group 34 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. <u>SG34 and/or SG41 have different values</u> When different contracts and /or parties need to be identified for different connection points, quantities and/or dates, then a new segment group 29 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. <i>Sequential number</i> |
| 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. <i>In case of the decomposition of a Quantity for a Period the sub-line item indicates that the line is a decomposition of the line identified in C289:1082</i> |
| C289:1082 | N | an..6 | Line item identifier | To identify a line item. <i>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.</i> |
| 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 | <p>LIN-1082 is an identification, assigned by the originator of the message, allowing to unambiguously identify each new occurrence of LIN in the message.</p> <p>Recommendation: unless special requirements impose a different approach Edig@s recommends the use of simple numerical sequence starting with '1' and incremented by 1 for each new occurrence of the LIN-segment.</p> | | | |
| Example | LIN+3' | | | |

| | |
|-----------------|--|
| SG34 – C | RFF |
| Remarks | <p>The conditional segment group 34 consists only of RFF. The segment group can be used in two cases:</p> <ol style="list-style-type: none"> when the 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 29. Separate occurrences of segment group 29 are required for each different contract when category information is provided (55G only) |

| | | | | |
|----------------|--|--------|--------------------------|---|
| 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. <i>See restricted code list below</i> |
| C506:1154 | M | an..35 | Reference identifier | Identifies a reference. <i>Mutually agreed contract identification or restricted category list below</i> |
| C506:1156 | N | an..6 | Document line identifier | To identify a line of a document. NOT USED |
| C506:1056 | N | an..9 | Version identifier | To identify a version. NOT USED |
| C506:1060 | N | an..6 | Revision identifier | To identify a revision. NOT USED |
| Remarks | | | | |
| Example | RFF+CT: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 |

| SG38 – M | LOC - DTM – SG39 |
|----------------|---|
| Remarks | <p>The mandatory segment group 38 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:</p> <ul style="list-style-type: none"> ➤ LOC to identify a connection point that is relevant for this line item – (mandatory) ➤ DTM to specify relevant date/time/period information – (mandatory) ➤ SG39 to provide the quantity and status information relevant for this connection point – (mandatory) |

| 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+DESS::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 preceding quantity | | | |
|----------------|---|--------|--|--|
| C507:2005 | M | an..3 | Date or time or period function code qualifier | Code qualifying the function of a date, time or period. 2 (=Delivery date/time requested) |
| C507:2380 | M | an..35 | Date or time or period text | The value of a date, a date and time, a time or of a period in a specified representation. 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 (=CCYMMDDHHMMCCYMMDDHHMM) |
| Remarks | DTM can be repeated only 1 time per LOC in segment group 38. | | | |
| Example | DTM+2:200309150400200309160400:719' | | | |

| SG39 – M | QTY-ST5 |
|----------------|---|
| Remarks | <p>The mandatory segment group 39 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:</p> <ul style="list-style-type: none"> ➤ 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. <i>See restricted qualifier code list below</i> |
| C186:6060 | M | an..35 | Quantity | Alphanumeric representation of a quantity. <i>Actual quantity</i> |
| C186:6411 | M | an..8 | Measurement unit code | Code specifying the unit of measurement. <i>See recommended qualifier code list below</i> |
| Remarks | There is only one QTY per LOC in segment group 38. | | | |
| Example | QTY+Z03:6782:KW1' | | | |

| Restricted qualifier code list for QTY-C186:6063 | |
|--|-----------------|
| Z02 | Input quantity |
| Z03 | Output quantity |
| <i>In the case of quantity decomposition only</i> | |
| Xn1 | Firm |
| Xn2 | Makeup |
| Xn3 | 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 (55G 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. <i>See restricted code list below</i> |
| 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 | N | an..35 | Status description | Free form description of a status. 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 |
| 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+30G::321' | | | | |

Restricted qualifier code list for STS-C555:4405

| | |
|-----|--------------------------|
| 30G | Interruptible Priority 1 |
| 31G | Interruptible Priority 2 |

| | |
|-----------------|--|
| SG41 – M | NAD |
| Remarks | <i>The mandatory segment group 41 consists only of NAD. The segment group can be repeated up to a maximum of 2 times per LIN in segment group 29 to identify a party that is specific for the data contained in this LIN-loop. If different parties are related to different connection points, quantities, dates, contracts, etc. then a new segment group 29 must be created for each new combination.</i> |

| NAD - M | | NAME AND ADDRESS – To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207. | | | |
|---|--------------------------------|--|---|--|--|
| Identifies a party specifically related to this Lin-loop | | | | | |
| 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. <i>Identification of the Shipper or ultimate customer.</i> | |
| C082:1131 | N | an..17 | Code list identification code | Code identifying a user or association maintained code list. NOT USED | |
| C082:3055 | M | an..3 | Code list responsible agency code | Code specifying the agency responsible for a code list. <i>See restricted code list below</i> | |
| C058:3124 | N | an..35 | Name and address description | Free form description of a name and address line. NOT USED | |
| C058:3124 | N | an..35 | Name and address description | Free form description of a name and address line. NOT USED | |
| C058:3124 | N | an..35 | Name and address description | Free form description of a name and address line. NOT USED | |
| C058:3124 | N | an..35 | Name and address description | Free form description of a name and address line. NOT USED | |
| C058:3124 | N | an..35 | Name and address description | Free form description of a name and address line. NOT USED | |
| C080:3036 | N | an..35 | Party name | Name of a party. NOT USED | |
| C080:3036 | N | an..35 | Party name | Name of a party. NOT USED | |
| C080:3036 | N | an..35 | Party name | Name of a party. NOT USED | |
| C080:3036 | N | an..35 | Party name | Name of a party. NOT USED | |
| C080:3036 | N | an..35 | Party name | Name of a party. NOT USED | |
| C080:3045 | N | an..3 | Party name format code | Party name format code NOT USED | |
| C059:3042 | N | an..35 | Street and number or post office box identifier x | To identify a street and number and/or Post Office box number. NOT USED | |
| C059:3042 | N | an..35 | Street and number or post office box identifier x | To identify a street and number and/or Post Office box number. NOT USED | |
| C059:3042 | N | an..35 | Street and number or post office box identifier x | To identify a street and number and/or Post Office box number. NOT USED | |
| C059:3042 | N | an..35 | Street and number or post office box identifier x | To identify a street and number and/or Post Office box number. NOT USED | |
| 3164 | N | an..35 | CITY NAME | Name of a city. NOT USED | |
| C819:3229 | N | an..9 | Country subdivision identifier | To identify a country subdivision, such as state, canton, county, prefecture. NOT USED | |
| C819:1131 | N | an..17 | Code list identification code | Code identifying a user or association maintained code list. Not used 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 ETSO (EIC) |
| 321 | Assigned by Edig@s |

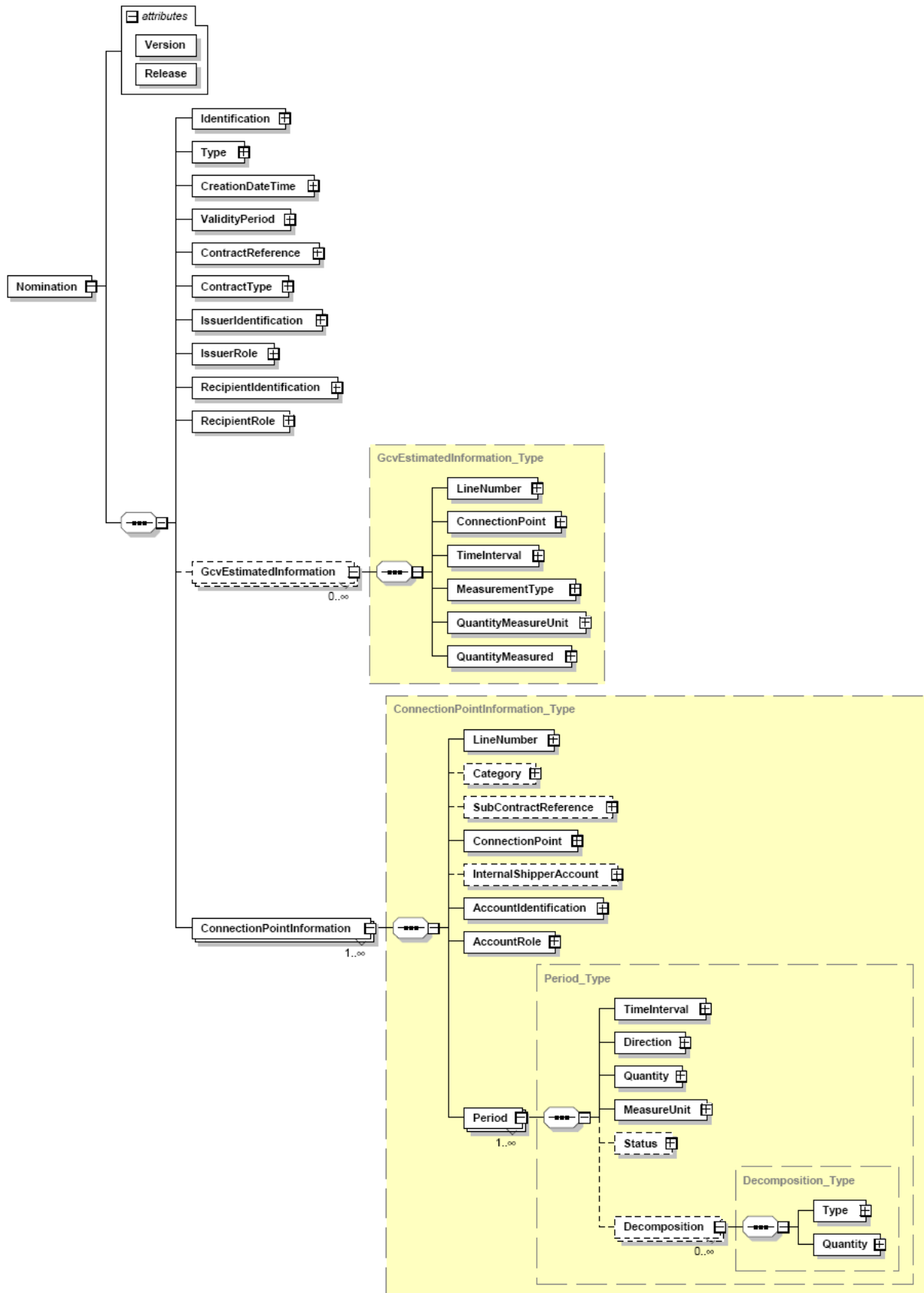
| UNS - M | | SECTION CONTROL – To separate header, detail and summary sections of a message. Separates the Detail and the Summary sections | | |
|----------------|--|--|------------------------|---|
| 0081 | M | a1 | Section identification | Separates sections in a message. S (=Detail/Summary section separation) |
| Remarks | <i>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</i> | | | |
| 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. <i>Total number of segments in message (including UNH & UNT)</i> |
| 0062 | M | an..14 | MESSAGE REFERENCE NUMBER | Unique message reference assigned by the sender. <i>Must be identical to UNH-0062</i> |
| Remarks | <i>There is one mandatory occurrence of UNT at the end of the message.</i> | | | |
| Example | UNT+175+1' | | | |

4 XML IMPLEMENTATION OF NOMINT

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: "4". 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 XML.
      Generation tool version 1.7
  -->
  <xsd:element name="Nomination">
    <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>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>
```

```

        <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"/>
        <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="Category" type="ecc:CategoryType" minOccurs="0">
            <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="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>This can either a receiver or emitter of the
nomination</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: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. Correction to the Status class to permit only one instance and to permit any priority codes defined in the code list to be used |
| 4.0 | 3 | 2010-01-28 | Correction of the attribute type of the MeasurementType in the GCV class |
| 4.0 | 4 | 2010-08-28 | To permit the identification of the types of contract that the nominated quantities refer to. |