

SECTION

II
09

Infrastructure Messages
ACCPOS
Account Position Message

Version 4.0



EASEE-gas/Edig@s Workgroup

Document version: 2

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

1 INTRODUCTION

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

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

1.1 FUNCTIONAL DEFINITION

A message used by a System Operator or a Shipper <<to provide to another System Operator or a shipper his account position (for example, storage or tank level) at a given time.

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 ACCPOS message relates to a defined period and may be used by a System Operator or a Shipper to provide to a Shipper or System Operator the situation of his account (for example, storage or tank level).

1.3 FIELD OF APPLICATION

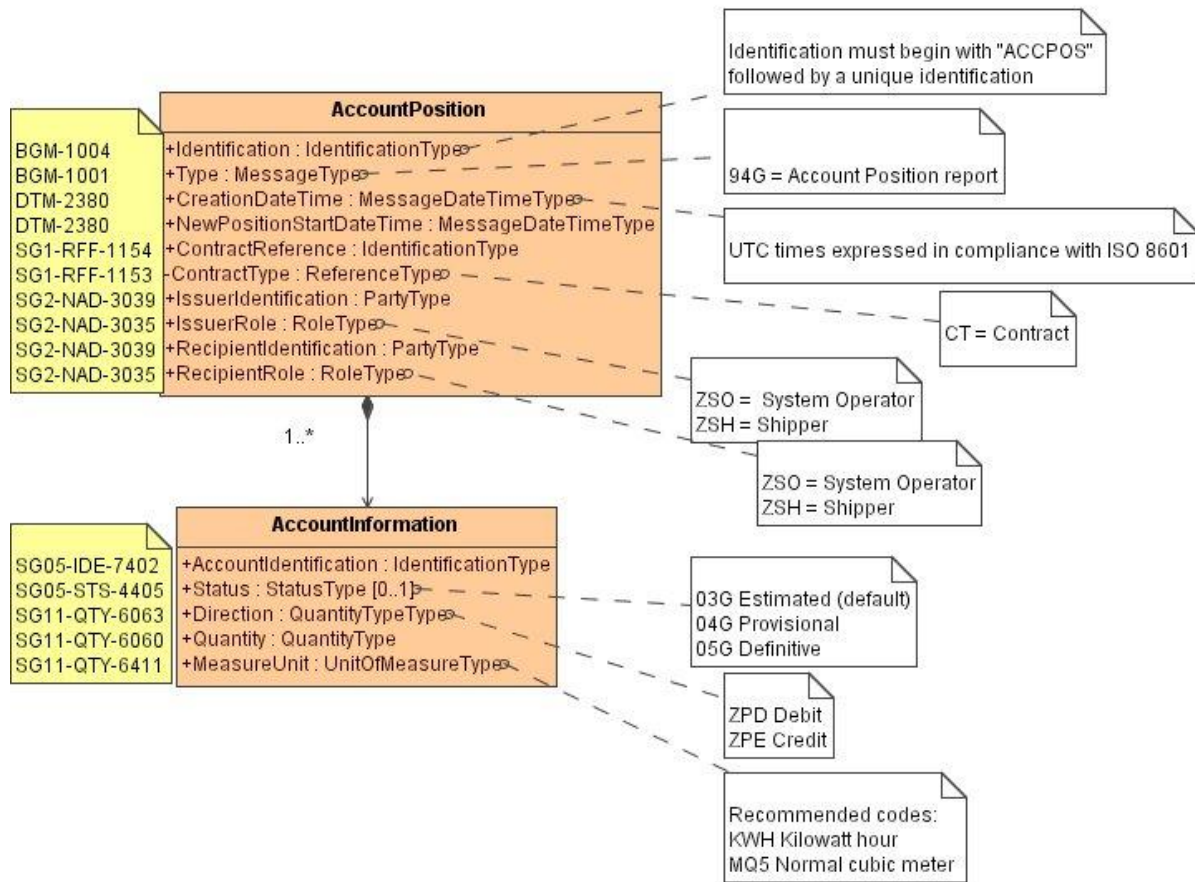
The ACCPOS message is used for providing the position of an account (for example a balancing, tank or storage account). It may be used in a operational phase or during a reconciliation phase.

1.4 REFERENCES

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

2 INFORMATION MODEL FOR ACCPOS

2.1 INFORMATION MODEL STRUCTURE



2.2 INFORMATION MODEL DESCRIPTION

2.2.1 Rules governing the Account Position Document Class

2.2.1.1 IDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Unique identification of the document describing the Account Position.
Description	An Account Position 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: ACCPOS 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 "ACCPOS20090101A00001". The sender must guarantee that this identification is unique over time
Size	The identification of an Account Position 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 Account Position Document that is being sent. The following types of Account Position Document are currently permitted: 94G =Account position report. message from a System Operator to report on or to reset the position of an account.
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.1.3 CREATION DATE AND TIME

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the Document.
Description	The date and time that the document was prepared for transmission by the application of the initiator.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.1.4 NEW POSITION START DATE TIME

ACTION	DESCRIPTION
Definition of element	The start date and time of the new position of the account.
Description	This information provides the start date and time of the new position of the account.
Size	Refer to section 1.20 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.1.5 CONTRACT REFERENCE

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

2.2.1.6 CONTRACT TYPE

ACTION	DESCRIPTION
Definition of element	Identification of the type of contract reference that has been identified.
Description	This identifies the type of contract reference that has been described. The only type of contract reference may be identified: <ul style="list-style-type: none"> CT = A contract identification when only one contract is relevant for the whole document.
Size	The maximum length of the contract type is 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 issuer of the document is identified by a unique coded identification. This code identifies the party that is the "owner" of the information being transmitted in the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and 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 issuer'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 ZSH = Shipper
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 of the receptor.
Description	This identifies the receptor identified in the document. The following roles have been identified: ZSO = System Operator ZSH = Shipper
Size	The maximum length of the information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.2 Rules governing the Account Information Class**2.2.2.1 ACCOUNT IDENTIFICATION**

ACTION	DESCRIPTION
Definition of element	Identification of the account for which the position is being provided.
Description	The identification of the account for which the position is being provided.
Size	The maximum length of an account identification is 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.2.2 STATUS

ACTION	DESCRIPTION
Definition of element	The status of the account.
Description	This provides the coded status of the account. The following status codes are currently available: 03G = Estimated value. An approximated value that is not physically measured. It could be based on mathematical algorithms or just a value decided by the owner of the data in case of loss of information or technical problems 04G = Provisional value. The result of an first rough measurement and a calculation 05G = Definitive value. The final or conclusive value.
Size	The maximum length of the status code is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.2.3 DIRECTION

ACTION	DESCRIPTION
Definition of element	Identifies the state of the account.
Description	This identifies whether the account is in a debit or credit state. Intended codes are: ZPD = Debit quantity. A debit refers to a quantity that decreases a balance account. ZPE = Credit Quantity. A credit refers to a quantity that increases a balance account.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.2.4 QUANTITY

ACTION	DESCRIPTION
Definition of element	The quantity in the account.
Description	This information defines the quantity of gas that is in the account. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part. (ISO 6093) shall always be a period ("."). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark and sign, if used, included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.2.5 MEASUREUNIT

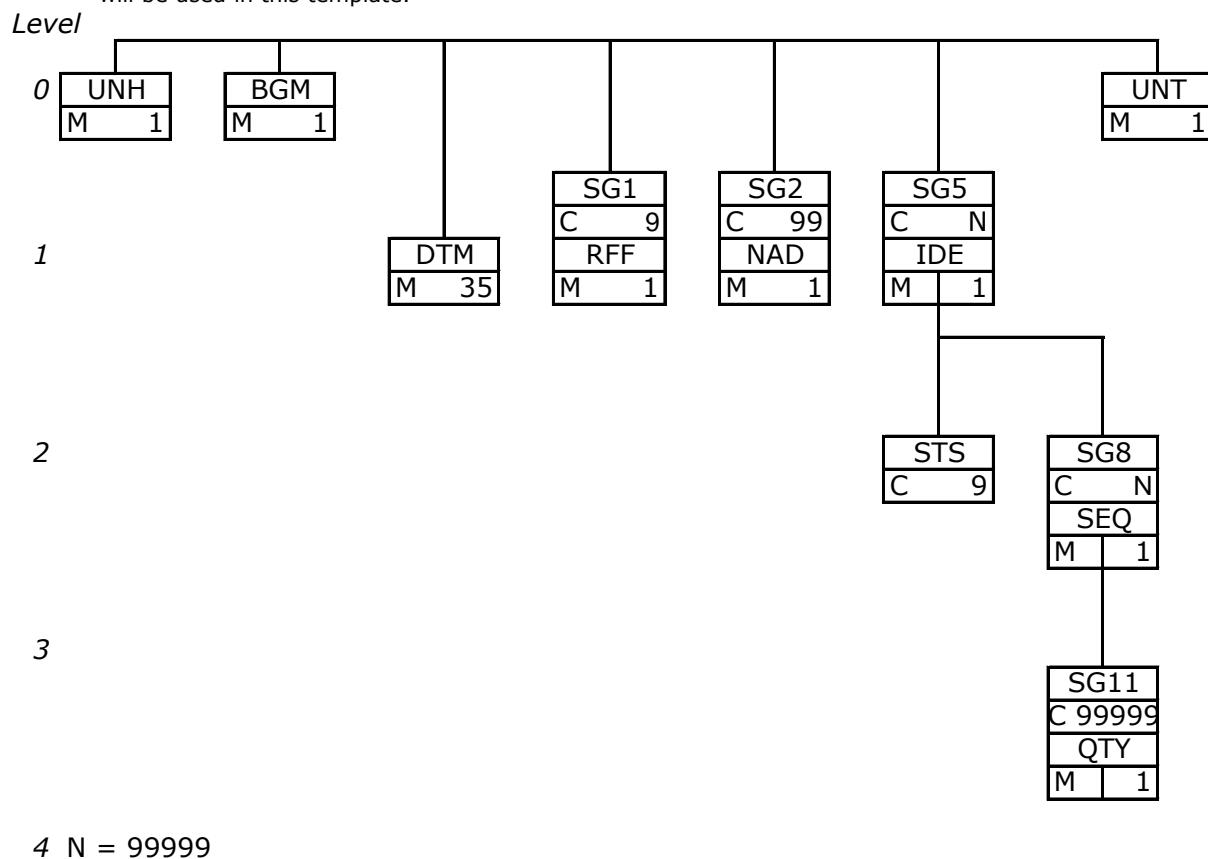
ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to the quantities in which the time series is expressed.
Description	The unit of measurement used for the quantities expressed within the time series. The following are the codes recommended for use: KWH Kilowatt-hour MQ5 Normal cubic meter
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

3 EDIFACT IMPLEMENTATION OF ACCPOS

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

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

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



3.2 EDIFACT TEMPLATE DESCRIPTION

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

Message purpose	BGM -1001
	=
Account Position report: message from a System Operator to report on or to reset the position of an account.	94G

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. ACCPOS (=Account Position message)
S009:0052	M	an..3	Message version number	Version number of a message type. 2 (=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+ACCPOS:2:0:EG:EGAS40'			

BGM-M				
BEGINNING OF MESSAGE – To indicate the type and function of a message and to transmit the identifying number.				
C002:1001	M	An..3	Document name code	Code specifying the document name. <i>See restricted code list below</i>
C002:1131	N	An..3	Code list identification code	Code identifying a user or association maintained code list NOT USED
C002:3055	M	An..3	Code list responsible agency	Code identifying a user or association maintained code list. 321 (=Edig@s)
C002:1000	N	An..35	Document name	Name of a document. NOT USED
C106:1004	M	An..35	Document identifier	To identify a document. <i>See section 2.2.1.1</i>
C106:1056	N	An..9	Version identifier	To identify a version. NOT USED
C106:1060	N	An..6	Revision identifier	To identify a revision NOT USED
1225	M	An..3	MESSAGE FUNCTION CODE	Code indicating the function of the message. 9 (=Original)
4343	N	An..3	RESPONSE TYPE CODE	Code specifying the type of acknowledgment required or transmitted. NOT USED
Remarks	There is one mandatory occurrence of BGM per message.			
Attention	The following structure for the message number in BGM-1004 is mandatory in the Edig@s messages: 6 character message code + a unique identification			
Example	BGM+94G::321+ACCP0S20090101A00001+9'			

Restricted code list for BGM-C002:1001

94G	Account position report
-----	-------------------------

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

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

DTM.3 – M		DATE/TIME/PERIOD - To specify date, and/or time, or period. It identifies the new position start date and time 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. 194 (=Start date/time)
C507:2380	M	an..35	Date or time or period text	The value of a date, a date and time, a time or of a period in a specified representation. <i>Date/time in format as indicated in C507:2379</i>
C507:2379	M	an..3	Date or time or period format code	Code specifying the representation of a date, time or period. 203 (=CCYYMMDDHHMM)
Remarks				
Example DTM+194:200309090400:203'				

SG1 – M	RFF
Remarks	<i>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 identification relevant for the whole message.</i>

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

SG2 – 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 System Operator responsible for the message and the recipient of the message			
3035	M	an..3	PARTY FUNCTION CODE QUALIFIER	Code giving specific meaning to a party. <i>See restricted code list below</i>	
C082:3039	M	an..35	Party identifier	Code specifying the identity of a party.	
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+ZSO+S0123::321'			

Restricted qualifier code list for NAD-3035 for issuers of a message

ZSO	System Operator
ZSH	Shipper

Restricted qualifier code list for NAD-3035 for recipients of a message	
ZSO	System Operator
ZSH	Shipper

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

DETAIL SECTION

SG05 – M	IDE - STS - SG08
Remarks	<p>The mandatory segment group 5 (IDE-loop) identifies the different time series that are used in the ACCPOS message. The segment group consists of:</p> <ul style="list-style-type: none"> ➤ IDE to uniquely identify the account – (mandatory) ➤ STS to provide the status of the account information – (mandatory) ➤ SG08-[SEQ-SG11] to provide the quantity information – (mandatory)

IDE-M	IDENTITY – To identify an object. To identify a type of time series.			
7495	M	an..3	OBJECT TYPE CODE QUALIFIER	Code qualifying a type of object. 1 (= Value list)
C206:7402	M	an..35	Object identifier	Code specifying the unique identity of an object. <i>Account</i>
C206:7405	N	an..3	Object identification code qualifier	Code qualifying the identification of an object. NOT USED
C206:4405	N	an..3	Status description code	Code specifying a status. NOT USED
C082:3039	N	an..35	Party identifier	Code specifying the identity of a party. NOT USED
C082:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. Not used. NOT USED
C082:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
4405	N	an..3	STATUS DESCRIPTION CODE	Code specifying a status. NOT USED
1222	N	an..17	CONFIGURATION LEVEL NUMBER	To specify a level within a configuration. NOT USED
C778:7164	N	an..3	Hierarchical structure level identifier	To identify a level within a hierarchical structure. NOT USED
C778:1050	N	an..256	Sequence position identifier	To identify a position in a sequence. NOT USED
C240:7037	N	an..17	Characteristic description code	A code specifying a characteristic. NOT USED
C240:1131	N		Code list identification code	Code identifying a user or association maintained code list. NOT USED
C240:3055	N		Code list responsible agency code	Code identifying a user or association maintained code list. NOT USED
C240:7036	N		Characteristic description	Free form description of a characteristic. NOT USED
C240:7036	N		Characteristic description	Free form description of a characteristic. NOT USED
Remarks	The IDE segment is used to identify a given account.			
Example	IDE+1+ACCOUNT'			

STS - C		Status – To specify the status of an object or service, including its category and the reason(s) for the status. This identifies the status of an account		
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		The STS segment is only used for Gas quantity nature driven time series. It MUST NOT be used for all other time series.		
Example		STS+08G::321+03G::321'		

Restricted qualifier code list for STS-C555:4405

03G	Estimated (default value)
04G	Provisional
05G	Definitive

SG05 – M	SEQ – SG11
Remarks	<i>The mandatory segment group 8 is used to identify a specific time series set. It is composed of SG11 (QTY-DTM-STS) that provides the time series for the period in question.</i>

SEQ - M	To provide details relating to the sequence.			
1229	M	An..3	ACTION CODE	Code specifying the action to be taken or already taken. 8 (=Schedule only)
C286:1050	M	An..10	Sequence position identifier	To identify a position in a sequence. "1"
C286:1159	N	An..3	Sequence identifier source code	Code specifying the source of a sequence identifier. NOT USED
C286:1131	N	An..17	Code list identification code	Code identifying a user or association maintained code list. Not used NOT USED
C286:3055	N	An..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
Remarks	<i>A SEQ segment shall be provided with the constant value of "1" in C286:1050 in order to use the QTY, STS segments</i>			
Example	SEQ+8+1'			

SG11 – M	QTY
Remarks	<i>The mandatory SG11 provides the quantity (QTY)</i>

QTY -M	QUANTITY – To specify a pertinent quantity.			
C186:6063	M	An..3	Quantity type code qualifier	Code qualifying the type of quantity. <i>See restricted qualifier code list below</i>
C186:6060	M	An..35	Quantity	Alphanumeric representation of a quantity. <i>Actual quantity</i>
C186:6411	M	an..8	Measurement unit code	Code specifying the unit of measurement. <i>See recommended qualifier code list below</i>
Remarks	<i>There is only one quantity per LOC in SG8</i>			
Example	QTY+ZPD:6782:KWH'			

Restricted code list for QTY-C186:6063	
ZPD	Debit
ZPE	Credit

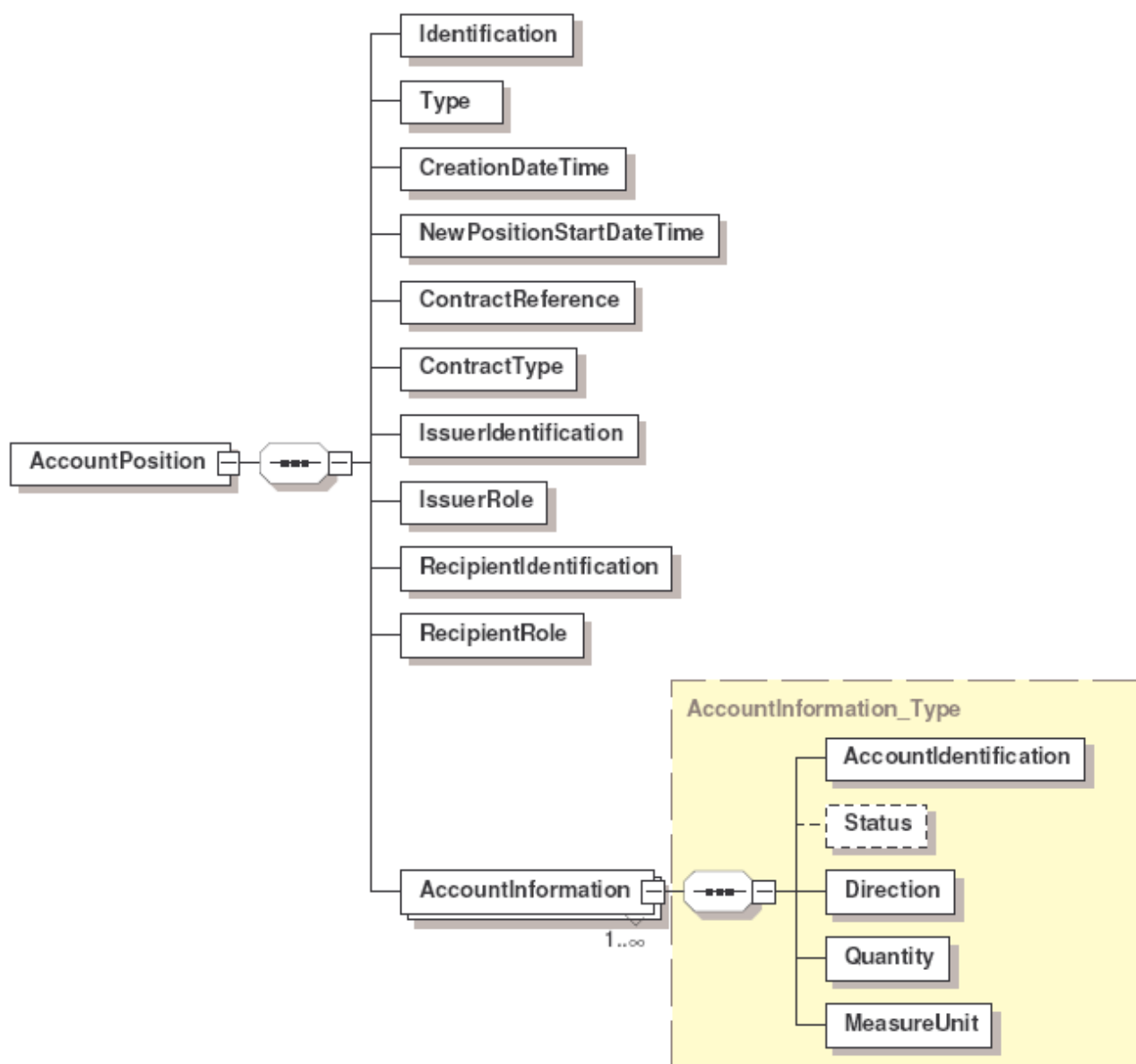
recommended qualifier code list for QTY-C186:6411	
KWH	Kilowatt-hour
MQ5	Normal cubic meter

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 ACCPOS

4.1 XML STRUCTURE



4.2 XML SCHEMA

4.2.1 Introduction

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

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

4.2.2 Schema

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:ecc="core-cmpts.xsd" xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
attributeFormDefault="unqualified" ecc:VersionRelease="1.0">
  <xsd:import namespace="core-cmpts.xsd" schemaLocation="../cclib/core-cmpts.xsd"/>
  <!--
      EDIGAS Document Automatically generated from a UML class diagram using XML.
      Generation tool version 1.7
  -->
  <xsd:element name="AccountPosition">
    <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="NewPositionStartDateTime" type="ecc:MessageDateTimeType">
          <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:element name="AccountInformation" type="AccountInformation_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="AccountInformation_Type">
    <xsd:annotation>
        <xsd:documentation/>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="AccountIdentification" type="ecc:IdentificationType">
            <xsd:annotation>
                <xsd:documentation/>
            </xsd:annotation>
        </xsd:element>
        <xsd:element name="Status" type="ecc:StatusType" minOccurs="0">
            <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: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 and 6411