

SECTION

II Infrastructure Messages

11 TRAADV *Transfer Advice Message*

Version 4.0



EASEE-gas/Edig@s Workgroup

Document version: 1



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TABLE OF CONTENTS

1	INTRODUCTION	4
1.1	Functional definition	4
1.2	Principles.....	4
1.3	Field of application.....	5
1.4	References	5
2	TRANSFER ADVICE DOCUMENT	6
2.1	Information model.....	6
2.2	Information model description	7
2.2.1	<i>Rules governing the Transfer Advice Document Class.....</i>	<i>7</i>
2.2.2	<i>Rules governing the Shipper Account class.....</i>	<i>12</i>
2.2.3	<i>Rules governing the Interval Class.....</i>	<i>12</i>
3	APPLICATION ERROR AND ACKNOWLEDGEMENT	15
3.1	Information model.....	15
3.1.1	<i>Rules governing the APERAK class</i>	<i>15</i>
3.1.2	<i>Rules governing the Reason class</i>	<i>18</i>
4	EDIFACT IMPLEMENTATION OF TRAADV	19
4.1	Edig@s subset of the UN/EDIFACT ORDRSP D.08A Branching Diagram	19
4.2	EDIFACT Template Description.....	20
4.3	EDIFACT Template Description.....	20
5	XML IMPLEMENTATION	32
5.1	XML Structure	32
5.2	XML Schema	33
5.2.1	<i>Introduction.....</i>	<i>33</i>
5.2.2	<i>Schema</i>	<i>33</i>
6	DOCUMENT CHANGE LOG.....	36

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 secondary market Transfer Advice - message to be used in Electronic Data Interchange (EDI) between Gas Companies.

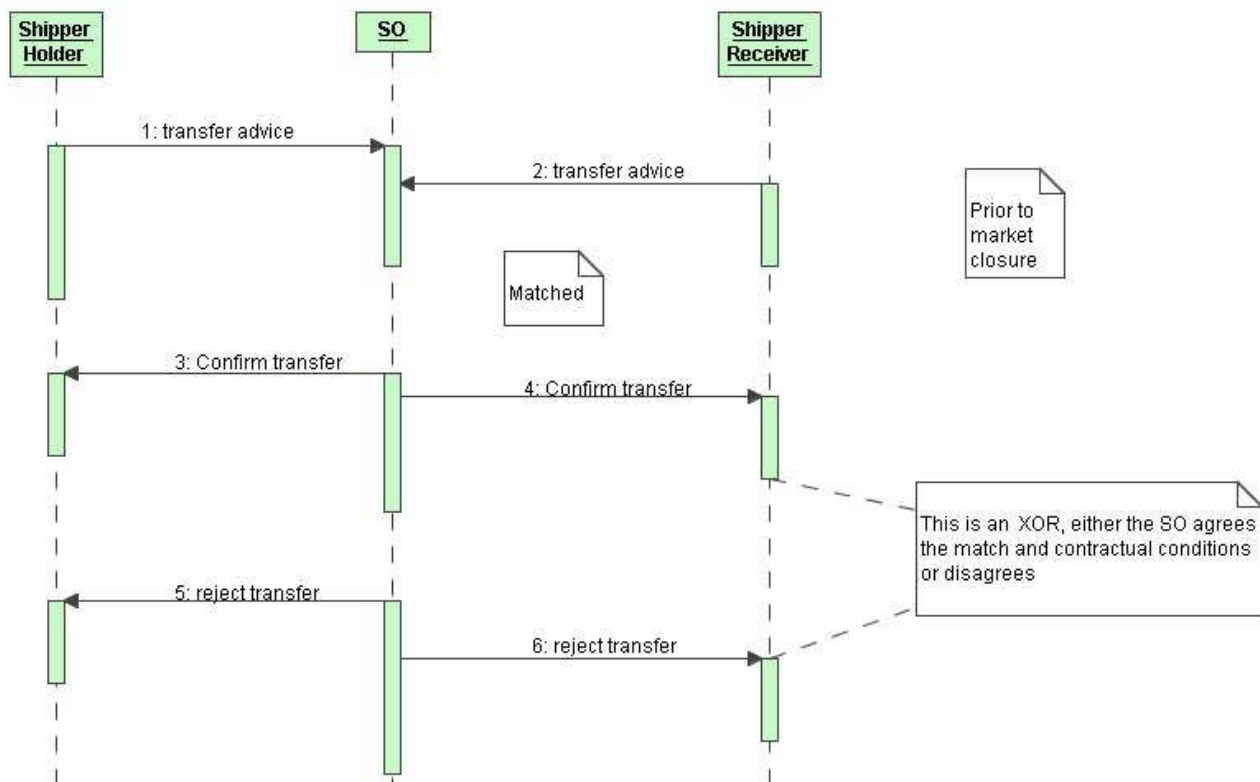
It is strongly recommended to read the Introduction to the Edig@s MIG introduction before implementing a template since it contains a number of general rules that are applicable for all the Edig@s messages.

1.1 FUNCTIONAL DEFINITION

Message destined to provide the information necessary for the successful conclusion of the activities carried out on the secondary trading market. In particular the information needed to advise the involved System Operator(s) about the transfer of capacity.

The current definition of the messages, as described in this guideline reflects the relevant Gas Industry Common Business Practice. It does not however preclude the use of the messages between other parties than those indicated in this description. The criteria for the use of the messages should be their functionality rather than the parties involved.

1.2 PRINCIPLES



A shipper generally books capacity with a System Operator for a given connection point or route in respect to the local market rules. The System Operator allocates the capacity and informs the shipper of the allocation.

The secondary market process concerns the sale of this capacity to a third party and the mechanism of informing the System Operator of the transfer of these capacity rights. The System Operator in essence maintains an account for each shipper of the capacity right that he holds.

The process concerning the negotiation between the two shippers is outside the scope of this document.

The process starts when either the Holder shipper or the Receiver shipper informs the System Operator of the transfer. As soon as the System Operator receives a Transfer Advice the consistency of the information is verified (e.g. account exists, codes valid, capacity available, etc.). In the case of an error the document is rejected and the shipper is informed. In the case where the

document is consistent the System Operator waits for the reception of the counterpart Transfer Advice.

When the two Transfer Advice Documents are received they are matched using as criteria the Deal Identification (established between the two parties), the originator of the deal, the nature of the trade, the capacity container (connection point or route) and the relevant quantities and times.

In the case of a match, the System Operator transfers the capacity for one Shipper Account to the other and sends a Confirmation Document to both parties.

In the case of a mismatch, the System Operator sends a Rejection document to both parties informing them of the reason for the mismatch.

1.3 FIELD OF APPLICATION

The Secondary Trading process is used in the context of the EASEE-gas Common Business Practice 2008-001/01 that describes a set of recommendations for the trading of capacity rights, commonly known as secondary capacity trading, as described by article 8 of EC regulation 1775/2005 and involves SO's and shippers.

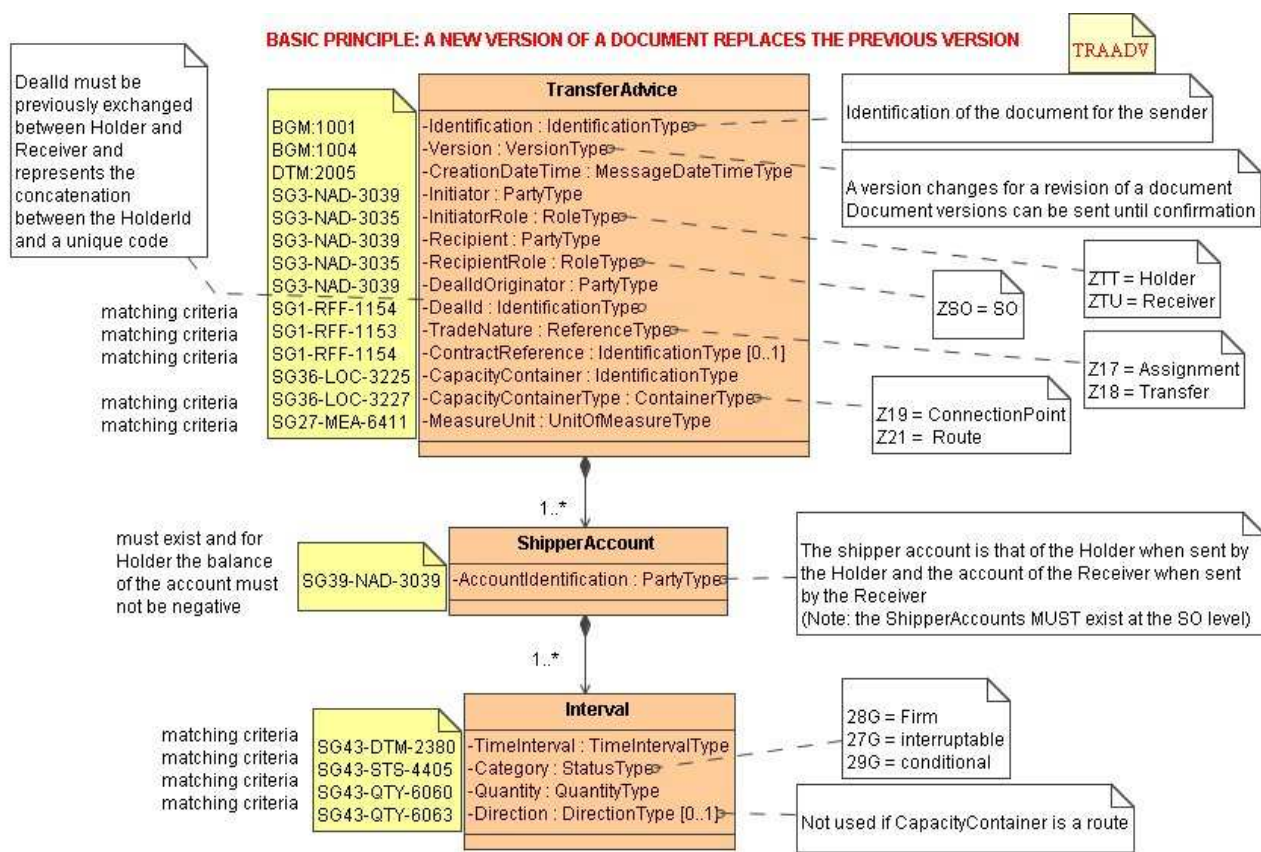
1.4 REFERENCES

The content of the models outlined in this document are based on:

- The EASEE-gas CBP 2008-001/01, Secondary Capacity Trading
- The EASEE-gas CBP 2008-001/01, Secondary Capacity Trading, explanatory notes.
- The definition of terms and codes as agreed by the Edig@s EDIFACT Workgroup.

2 TRANSFER ADVICE DOCUMENT

2.1 INFORMATION MODEL



2.2 INFORMATION MODEL DESCRIPTION

2.2.1 Rules governing the Transfer Advice Document Class

There shall be one Transfer Advice Document per transfer of capacity.

A match is considered valid in the case where:

- A deal Originator,
- Deal Identification,
- Trade Nature,
- Capacity container and capacity container type,

And all the intervals correspond.

2.2.1.1 Identification

ACTION	DESCRIPTION
Definition of element	Unique identification of the document describing the transfer.
Description	<p>A Transfer Advice Document must have a unique identification assigned by the initiator of the document to be sent to a recipient.</p> <p>The identification must take the following form: TRAADV 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 "TRAADV20090101A00001".</p> <p>The sender must guarantee that this identification is unique over time</p>
Size	The identification of a Transfer Advice Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

2.2.1.2 Version

ACTION	DESCRIPTION
Definition of element	Version of the document being sent. A document may be sent several times, each transmission being identified by a different version number that starts at 1 and increases sequentially.
Description	<p>The Transfer Advice Document version is used to identify a given version of a transfer.</p> <p>The first version number for a given document identification shall normally be 1.</p> <p>The document version number must be incremented for each retransmission of a Transfer Advice Document that contains changes to the previous version.</p> <p>The receiving system should ensure that the version number for a Transfer Advice Document is superior to the previous version number received.</p>
Size	A version number may not exceed 3 numeric characters with no leading zeros.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.1.3 CreationDate Time

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the Transfer Advice 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 InitiatorIdentification – CodingScheme

ACTION	DESCRIPTION
Definition of element	Identification of the party who has initiated the document.
Description	<p>The initiator of the document is identified by a unique coded identification. This code identifies the party that is the "owner" of the information being transmitted in the document.</p> <p>The codification scheme used for the coded identification is indicated by the coding scheme attribute and should indicate either the code "321" if it is an Edig@s code or the code "305" if it is an EIC code.</p>
Size	<p>The maximum length of an initiator's identification is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

2.2.1.5 InitiatorRole

ACTION	DESCRIPTION
Definition of element	Identification of the role that is played by the initiator.
Description	<p>The initiator role, which identifies the role of the initiator within the document.</p> <p>ZTT = Holder</p> <p>ZTU = Receiver</p>
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.1.6 RecipientIdentification – CodingScheme

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

2.2.1.7 RecipientRole

ACTION	DESCRIPTION
Definition of element	Identification of the role played by the recipient.
Description	<p>The recipient role, which identifies the role of the recipient within the document.</p> <p>In the context of the Transfer Advice Document this role is always "ZSO" for System Operator</p>
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.1.8 DealOriginator – CodingScheme

ACTION	DESCRIPTION
Definition of element	Identification of the party who is at the origin of the transfer.
Description	<p>The originator of the deal is identified by a unique coded identification.</p> <p>The codification scheme used for the coded identification is indicated by the coding scheme attribute and should indicate either the code "321" if it is an Edig@s code, the code "305" if it is an EIC code, the code "9" if it is a GS1 code or the code "ZSO" if it is a System Operator code.</p>
Size	<p>The maximum length of a deal originator's identification is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

2.2.1.9 DealId

ACTION	DESCRIPTION
Definition of element	Identification of the transfer that has been agreed by the two parties.
Description	Each transfer shall be identified with a unique deal identification that has been agreed between the two parties.
Size	The maximum length of this information is 35 alphanumeric characters.
Applicability	The deal identification is mandatory.
Dependence requirements	None.

2.2.1.10 TradeNature

ACTION	DESCRIPTION
Definition of element	The identification of the nature of the trade.
Description	<p>A trade is generally of two natures:</p> <ul style="list-style-type: none"> An Assignment where the Receiver is contractually substituted for the Holder. All rights are transferred to the Receiver and payment for the capacity transferred is to be made by the Receiver. A Transfer where the usage rights of the transportation capacity is transferred from the Holder to the Receiver and the contractual rights including payment and credit obligations do not transfer. <p>Z17 = Assignment Z18 = Transfer</p> <p>Refer to the Edig@s Code list document for additional codes.</p>
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	The trade nature is mandatory.
Dependence requirements	None.

2.2.1.11 ContractReference

ACTION	DESCRIPTION
Definition of element	The identification of the contract between the holder/receiver and the System Operator.
Description	A Contract Reference is used to identify the contract between the holder/receiver of the capacity and the relevant System Operator.
Size	The maximum length of this information is 35 alphanumeric characters.
Applicability	The Contract Reference is dependent.
Dependence requirements	This is used only when the account identification is not sufficient to identify the contract made between the holder/receiver and the System Operator.

2.2.1.12 CapacityContainer

ACTION	DESCRIPTION
Definition of element	Identification of the capacity means that are to be employed.
Description	A capacity container identifies the container which is to be used. This may either be a connection point or a route.
Size	The maximum length of a capacity container identification is 35 alphanumeric characters.
Applicability	The capacity container is mandatory.
Dependence requirements	None.

2.2.1.13 CapacityContainerType

ACTION	DESCRIPTION
Definition of element	Identification of the type of the capacity means.
Description	The capacity container type identifies the type of the capacity container. Z19 = Connection Point Z21 = Route
Size	The maximum length of a capacity container type is 3 alphanumeric characters.
Applicability	The capacity container type is mandatory.
Dependence requirements	None.

2.2.1.14 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. KW1 Kilowatt-hour per hour (kWh/h) KW2 Kilowatt-hour per day (kWh/d) HM1 Million cubic meters per hour HM2 Million cubic meters per day TQH Thousand cubic meters per hour TQD Thousand cubic meters per day
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.2 Rules governing the Shipper Account class

The Account Identification must belong to the initiator of the Transfer Advice Document.

A shipper account must exist within the System Operator's environment and in the case of the Holder the quantity on the account must not be inferior to the transfer quantity.

2.2.2.1 AccountIdentification – CodingScheme

ACTION	DESCRIPTION
Definition of element	The identification of a shipper account.
Description	The identification of a shipper account within a System Operator's system. The codification scheme used for the coded identification is indicated by the coding scheme attribute and should indicate either the code "321" if it is an Edig@s code, the code "305" if it is an EIC code, the code "9" if it is a GS1 code or the code "ZSO" if it is a System Operator code.
Size	The maximum length of the account identification is 16 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.

2.2.3 Rules governing the Interval Class

2.2.3.1 TimeInterval

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

2.2.3.2 Category

ACTION	DESCRIPTION
Definition of element	The identification of the category of the capacity availability.
Description	<p>The category of a given quantity within a time interval indicates what type of availability has been assigned for the capacity in question.</p> <p>The following codes shall be used:</p> <p>28G = Firm</p> <p>27G = Interruptible</p> <p>29G = Conditional</p>
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.3.3 Quantity

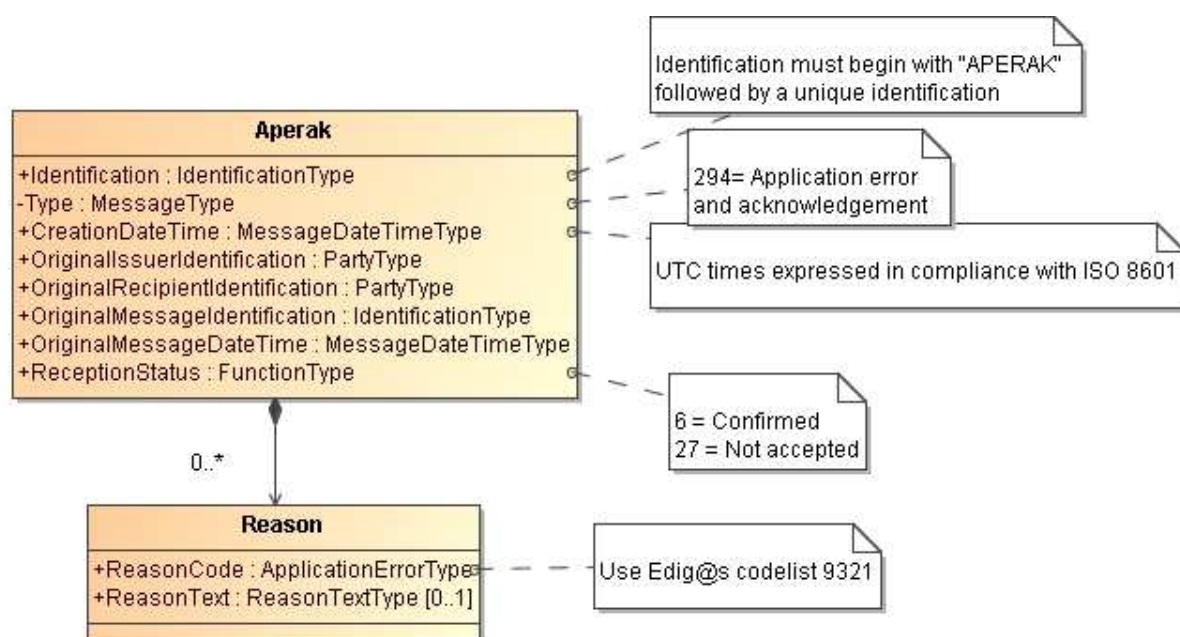
ACTION	DESCRIPTION
Definition of element	The quantity of the capacity to be transferred within the time interval in question.
Description	<p>This information defines the quantity of the capacity to be transferred within the time interval period.</p> <p>A decimal point value may be used to express values that are inferior to the defined unit of measurement.</p> <p>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 (".").</p> <p>All quantities are non-signed values.</p>
Size	<p>The maximum length of this information is 17 numeric characters (decimal mark and sign, if used, included). All leading zeros are to be suppressed.</p> <p>The number of decimal places identifying the fractional part of the quantity depends on local market rules.</p>
Applicability	This information is mandatory.
Dependence requirements	None.

2.2.3.4 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 dependent.
Dependence requirements	This is only used in the case where the Capacity Container is a connection point.

3 APPLICATION ERROR AND ACKNOWLEDGEMENT

3.1 INFORMATION MODEL



3.1.1 Rules governing the APERAK class

The APERAK message is an integral part of the Edig@s Message Implementation Guidelines Section III-2. As such it has not been completely redefined within this document.

However, within this document the information for the attributes must be provided in the manner as described in the following paragraphs

3.1.1.1 Identification

ACTION	DESCRIPTION
Definition of element	Unique identification of the document describing the acknowledgement.
Description	An Application Error and Acknowledgement document must have a unique identification assigned by the initiator of the document to be sent to a recipient.
Size	The identification of an APERAK document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

3.1.1.2 Type

ACTION	DESCRIPTION
Definition of element	The type of Application Error and Acknowledgement document being sent.
Description	The type of the document being sent. In the case of an APERAK document the type shall always be: 294: Application Error and Acknowledgement
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

3.1.1.3 CreationDateTime

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the APERAK 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.

3.1.1.4 OriginalIssuerIdentification – CodingScheme

ACTION	DESCRIPTION
Definition of element	Identification of the original party sent the document being acknowledged.
Description	The initiator of the document being acknowledged is identified by a unique coded identification. This code identifies the party that is the initiator of the information that is being acknowledged 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 original 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.

3.1.1.5 OriginalRecipientIdentification – CodingScheme

ACTION	DESCRIPTION
Definition of element	Identification of the party who received the document being acknowledged.
Description	<p>The original recipient of the document is identified by a unique coded identification.</p> <p>It is the original recipient that acknowledges the document in question.</p> <p>The codification scheme used for the coded identification is indicated by the coding scheme attribute and should indicate either the code "321" if it is an Edig@s code or the code "305" if it is an EIC code.</p>
Size	<p>The maximum length of an original recipient's identification is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

3.1.1.6 OriginalMessageIdentification

ACTION	DESCRIPTION
Definition of element	Identification of the message that is being acknowledged.
Description	The original message identification corresponds to the identification of the message that is being acknowledged.
Size	The maximum length of the original message identification is 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

3.1.1.7 OriginalMessageDateTime

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the message being acknowledged.
Description	The date and time that the original message was prepared for transmission.
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.

3.1.1.8 ReceptionStatus

ACTION	DESCRIPTION
Definition of element	The status that has been assigned to the document being acknowledged.
Description	This attribute provides the status that has been assigned to the document that is being acknowledged. There are two status codes valid in this context: 6 = Confirmed (the transfer has been accepted) 27 = Not accepted (the transfer has been rejected).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	The deal identification is mandatory.
Dependence requirements	None.

3.1.2 Rules governing the Reason class

The Reason class may provide any coded or textual information that is necessary to completely describe the conditions of an eventual rejection.

3.1.2.1 Reasoncode

ACTION	DESCRIPTION
Definition of element	A code providing the reason for a rejection
Description	The reason code provides the reason of a rejection. As many reason elements as necessary may be used. Currently the following reasons have been identified: 63G = No counterparty nomination received. 64G = No match with counterparty nomination. 65G = Insufficient capacity for transfer. 66G = Unknown contract. 67G = Unknown shipping account. 68G = Other
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

3.1.2.2 ReasonText

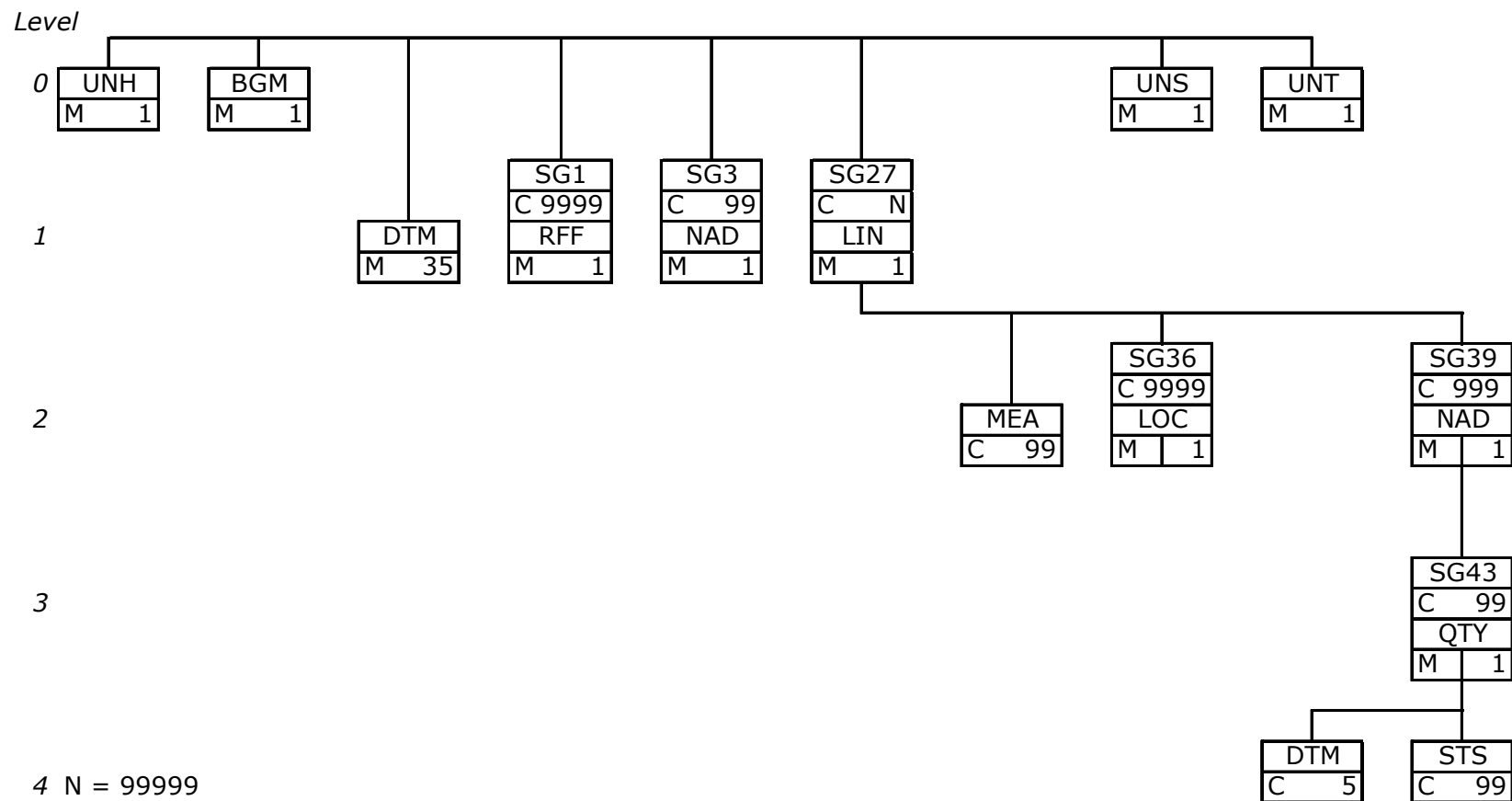
ACTION	DESCRIPTION
Definition of element	Textual explanation of the reason code.
Description	If the code does not provide all the information to clearly identify the justification of the rejection then the textual information may be provided.
Size	The maximum length of this information is 512 alphanumeric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

4 EDIFACT IMPLEMENTATION OF TRAADV

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

4.1 EDIG@S SUBSET OF THE UN/EDIFACT ORDERS D.08B BRANCHING DIAGRAM

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



4.2 EDIFACT TEMPLATE DESCRIPTION

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

Message purpose	BGM-1001 =
Transfer Advice: An operational document issued by the holder and/or receiver of rights to inform the system operator about the transfer of those rights.	AHG

4.3 EDIFACT TEMPLATE DESCRIPTION

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

HEADER SECTION

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

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

BGM-M	BEGINNING OF MESSAGE – To indicate the type and function of a message and to transmit the identifying number.			
C002:1001	M	An..3	Document name code	Code specifying the document name. <i>See restricted code list below</i>
C002:1131	N	An..3	Code list identification code	Code identifying a user or association maintained code list NOT USED
C002:3055	M	An..3	Code list responsible agency	Code identifying a user or association maintained code list. 321 (=Edig@s)
C002:1000	N	An..35	Document name	Name of a document. NOT USED
C106:1004	M	An..35	Document identifier	To identify a document. <i>See section 2.2.1.1</i>
C106:1056	N	An..9	Version identifier	To identify a version. NOT USED
C106:1060	N	An..6	Revision identifier	To identify a revision NOT USED
1225	M	An..3	MESSAGE FUNCTION CODE	Code indicating the function of the message. 9 (=Original)
4343	N	An..3	RESPONSE TYPE CODE	Code specifying the type of acknowledgment required or transmitted. NOT USED
Remarks	<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+AHG::321+TRAADV20090101A00001+9'			

Restricted code list for BGM-1001

AHG	Transfer Advice
-----	-----------------

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

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

20

SG1 – M		RFF		
Remarks		<i>The mandatory segment group 1 consists only of RFF. There shall be only one mandatory occurrence of segment group 1 at header level to provide the trade nature and the Deal identification. A second conditional occurrence may provide the Contract Reference</i>		

21

RFF – M		REFERENCE – To specify a reference. This identifies the trade/deal nature with deal identification and contract reference relevant for this message		
C506:1153	M	an..3	Reference code qualifier	Code qualifying a reference. <i>See restricted trade nature qualifier code list below</i>
C506:1154	M	an..35	Reference identifier	Identifies a reference. <i>Mutually deal identification or contract reference</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+Z17:DEALABCRR01'				

22

Restricted qualifier code list for RFF-C506:1153	
Z17	Assignment (for Trade nature only)
Z18	Transfer (for Trade nature only)
CT	Contract (for Contract Reference only)

23

SG3 – M	NAD
Remarks	<i>Two NAD segments are mandatory, one to identify the initiator of the message and one to identify the recipient of the message</i>

24

NAD – M	NAME AND ADDRESS – To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207. This identifies the initiator and 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
C819:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
C819:3228	N	an..70	Country subdivision name	Name of a country subdivision, such as state, canton, county, prefecture. NOT USED
3251	N	an..17	POSTAL IDENTIFICATION CODE	Code specifying the postal zone or address. NOT USED
3207	N	an..3	COUNTRY IDENTIFIER	Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3. NOT USED
Remarks				
Example	NAD+ZSO+GREENGAS::321'			

25

Restricted qualifier code list for NAD-3035 for initiators of a message	
ZTT	Holder
ZTU	Receiver

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

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

DETAIL SECTION

SG27 – M	LIN- MEA-SG36-SG39
Remarks	<p>The mandatory segment group 27 (LIN-loop) must appear twice in the message. The first occurrence shall define the Capacity Container and Measurement Unit information; The second occurrence shall provide all the information relative to an account. The segment group consists of:</p> <ul style="list-style-type: none"> ➢ LIN to uniquely identify the line item – (mandatory) ➢ MEA to provide message measure unit – (mandatory for line 1, not allowed for line 2) ➢ SG36-[LOC] to provide the capacity container identification and type – (mandatory for line 1, not allowed for line 2) ➢ SG39-[NAD] to provide line item related to an account identification – (mandatory in line 2 only) <p>The LIN-loop can be used for two purposes in this template:</p> <ul style="list-style-type: none"> ➢ The first occurrence to provide information that is relevant for the whole message ➢ The second occurrence to provide the detailed information about an account.

SG27.1 -M	LIN-MEA-SG36
Remarks	<p>A first mandatory occurrence of segment group 27 is meant to transmit the Capacity container identification and the measurement unit that is used for the whole message. Segment (groups) that included in this occurrence are:</p> <ul style="list-style-type: none"> ➢ LIN to uniquely identify the line item – (mandatory) ➢ MEA to provide the measure unit of the whole message – (mandatory) ➢ SG36-[LOC] to provide the Capacity container identification information – (mandatory)

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. '1'
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
C212:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
C289:5495	N	an..3	Sub-line indicator code	Code indicating a sub-line item. NOT USED
C289:1082	N	an..6	Line item identifier	To identify a line item. NOT USED
1222	N	n..2	CONFIGURATION LEVEL NUMBER	To specify a level within a configuration. NOT USED
7083	N	an..3	CONFIGURATION OPERATION CODE	Code specifying the configuration operation. NOT USED
Remarks	LIN-1082 is the identification of LIN in the message. This first occurrence shall be identified with the value '1' to identify the information that cover the whole message.			
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	N	an..3	Measured attribute code	Code specifying the attribute measured. NOT USED
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. <i>See restricted qualifier code list below</i>
C174:6314	N	an..18	Measure	To specify the value of a measurement. NOT USED
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 to provide the measurement unit for the whole message.</i>			
Example	MEA+SV++KW1'			

34

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

SG36 – M	LOC
Remarks	<i>The mandatory segment group 36 consists only of LOC and is used to identify the Capacity container for and type the whole message</i>

35

LOC – M	LOCATION – To identify a place or a location and/or related locations. Identifies the Capacity container and type for the whole message			
3227	M	an..3	LOCATION FUNCTION CODE QUALIFIER	Code identifying the function of a location. <i>See restricted code list below</i>
C517:3225	M	an..25	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
C519:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
C519:3222	N	an..70	First related location name	Name of first related location. NOT USED
C553:3233	N	an..35	Second related location identifier	To identify a second related location. NOT USED
C553:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. NOT USED
C553:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
C553:3232	N	an..70	Second related location name	Name of the second related location. NOT USED
5479	N	an..3	RELATION CODE	Code specifying a relation. NOT USED
Remarks				
Example	LOC+Z19+DEESS::321'			

36

Restricted code list for LOC- 3227	
Z19	Connection point
Z21	Route

37

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

38

SG27.2 – M	LIN- SG39
Remarks	<p>The second occurrence of segment group 27 is mandatory and provides the quantities and related information for all the accounts being described in the message.</p> <p>SG39-[NAD] to provide line item related to the accounts – (mandatory)</p> <p>There shall be only one LIN segment for all the accounts.</p>

39

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. '2'
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
C212:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
C289:5495	N	an..3	Sub-line indicator code	Code indicating a sub-line item. NOT USED
C289:1082	N	an..6	Line item identifier	To identify a line item. NOT USED
1222	N	n..2	CONFIGURATION LEVEL NUMBER	To specify a level within a configuration. NOT USED
7083	N	an..3	CONFIGURATION OPERATION CODE	Code specifying the configuration operation. NOT USED
Remarks	LIN-1082 is an identification '2' which contains all the account relevant information			
Example	LIN+2'			

SG39 – M	NAD-SG43
Remarks	<i>The mandatory segment group 39 consists of the following: NAD – to provide the information for the identification of a shipper account SG43 (QTY-DTM-STS) – to provide the information relative to the time series for the account</i>

40

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 specific account			
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 a shipper account.</i>
C082:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. NOT USED
C082:3055	M	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. <i>See restricted code list below</i>
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. NOT USED
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. NOT USED
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. NOT USED
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. NOT USED
C058:3124	N	an..35	Name and address description	Free form description of a name and address line. NOT USED
C080:3036	N	an..35	Party name	Name of a party. NOT USED
C080:3036	N	an..35	Party name	Name of a party. NOT USED
C080:3036	N	an..35	Party name	Name of a party. NOT USED
C080:3036	N	an..35	Party name	Name of a party. NOT USED
C080:3036	N	an..35	Party name	Name of a party. NOT USED
C080:3045	N	an..3	Party name format code	Party name format code NOT USED
C059:3042	N	an..35	Street and number or post office box identifier x	To identify a street and number and/or Post Office box number. NOT USED
C059:3042	N	an..35	Street and number or post office box identifier x	To identify a street and number and/or Post Office box number. NOT USED
C059:3042	N	an..35	Street and number or post office box identifier x	To identify a street and number and/or Post Office box number. NOT USED
C059:3042	N	an..35	Street and number or post office box identifier x	To identify a street and number and/or Post Office box number. NOT USED
3164	N	an..35	CITY NAME	Name of a city. NOT USED
C819:3229	N	an..9	Country subdivision identifier	To identify a country subdivision, such as state, canton, county, prefecture. NOT USED
C819:1131	N	an..17	Code list identification code	Code identifying a user or association maintained code list. NOT USED
C819:3055	N	an..3	Code list responsible agency code	Code specifying the agency responsible for a code list. NOT USED
C819:3228	N	an..70	Country subdivision name	Name of a country subdivision, such as state, canton, county, prefecture. NOT USED
3251	N	an..17	POSTAL IDENTIFICATION CODE	Code specifying the postal zone or address. NOT USED
3207	N	an..3	COUNTRY IDENTIFIER	Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3. NOT USED
Remarks				
Example	NAD+ZOC+SHIPPER02::ZSO'			

41

Restricted qualifier code list for NAD-3035	
ZOC	Shipper account

42

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

43

SG43 – M	QTY-DTM-STS
Remarks	<p>The mandatory segment group 43 shall be repeated for each individual time interval. There shall be one mandatory QTY, DTM and STS segment per segment group loop.</p> <p>The segment group consists of:</p> <ul style="list-style-type: none"> ➤ QTY to provide the quantity for a given shipper account interval. – (mandatory) ➤ DTM to provide the time interval (mandatory) ➤ STS to provide the category of the quantity – (mandatory)

44

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	N	an..8	Measurement unit code	Code specifying the unit of measurement. NOT USED
Remarks	There is only one QTY per LOC in segment group 36.			
Example	QTY+Z03:6782'			

45

Restricted qualifier code list for QTY-C186:6063	
Z02	Input quantity
Z03	Output quantity
1	Discrete quantity (used only in the case where the Container type is a route)

46

DTM-M	DATE/TIME/PERIOD - To specify date, and/or time, or period. Identifies the date/time/period for the following quantity			
C507:2005	M	an..3	Date or time or period function code qualifier	Code qualifying the function of a date, time or period. 273 (=Validity period)
C507:2380	M	an..35	Date or time or period text	The value of a date, a date and time, a time or of a period in a specified representation. <i>Period in format as indicated in C507:2379</i>
C507:2379	M	an..3	Date or time or period format code	Code specifying the representation of a date, time or period. 719 (=CCYYMMDDHHMMCCYYMMDDHHMM)
Remarks	DTM can be repeated only 1 time per LOC in segment group 36.			
Example	DTM+273:200309150400200309160400:719'			

47

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+07G::321'				

48

Restricted qualifier code list for STS-C555:4405	
28G	Firm
27G	Interruptible
29G	Conditional

49

50

51

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'		

52

53

54

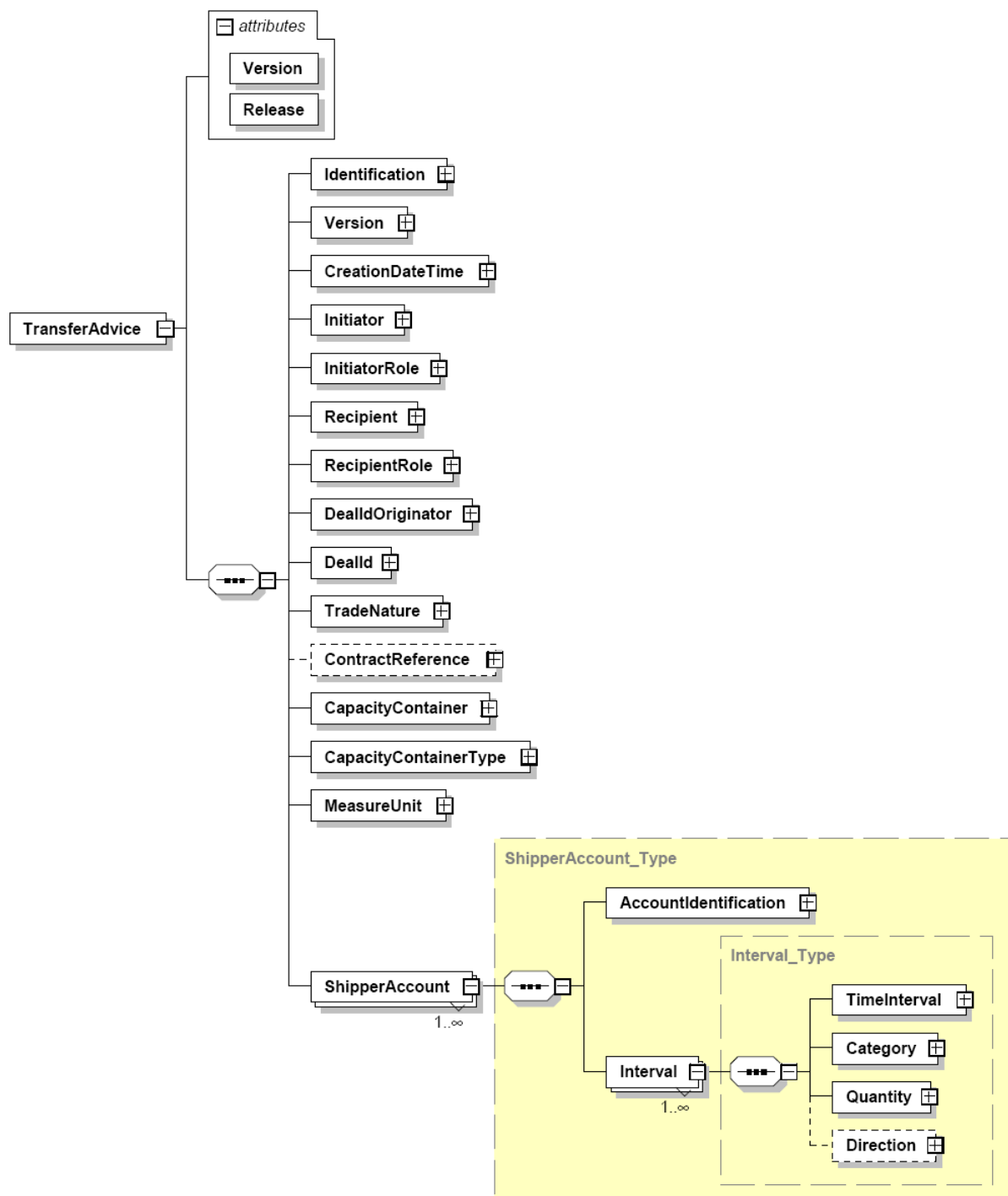
SUMMARY SECTION

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'		

55

5 XML IMPLEMENTATION

5.1 XML STRUCTURE



5.2 XML SCHEMA

5.2.1 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: "1". This corresponds to the Message Implementation Guide Version number.

5.2.2 Schema

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:ecc="core-cmpts.xsd" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified" ecc:VersionRelease="1.0">
  <xsd:import namespace="core-cmpts.xsd" schemaLocation="../cclib/core-cmpts.xsd"/>
  <!--
    EDIGAS Document Automatically generated from a UML class diagram using
    XMI.
    Generation tool version 1.7
  -->
  <xsd:element name="TransferAdvice">
    <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="Version" type="ecc:VersionType">
          <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="Initiator" type="ecc:PartyType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="InitiatorRole" type="ecc:RoleType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="Recipient" 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:element name="DealIdOriginator" type="ecc:PartyType">
          <xsd:annotation>
```

```

120         <xsd:documentation/>
121     </xsd:annotation>
122 </xsd:element>
123 <xsd:element name="DealId" type="ecc:IdentificationType">
124     <xsd:annotation>
125         <xsd:documentation/>
126     </xsd:annotation>
127 </xsd:element>
128 <xsd:element name="TradeNature" type="ecc:ReferenceType">
129     <xsd:annotation>
130         <xsd:documentation/>
131     </xsd:annotation>
132 </xsd:element>
133 <xsd:element name="ContractReference"
134 type="ecc:IdentificationType" minOccurs="0">
135     <xsd:annotation>
136         <xsd:documentation/>
137     </xsd:annotation>
138 </xsd:element>
139 <xsd:element name="CapacityContainer"
140 type="ecc:IdentificationType">
141     <xsd:annotation>
142         <xsd:documentation/>
143     </xsd:annotation>
144 </xsd:element>
145 <xsd:element name="CapacityContainerType"
146 type="ecc:ContainerType">
147     <xsd:annotation>
148         <xsd:documentation/>
149     </xsd:annotation>
150 </xsd:element>
151 <xsd:element name="MeasureUnit"
152 type="ecc:UnitOfMeasureType">
153     <xsd:annotation>
154         <xsd:documentation/>
155     </xsd:annotation>
156 </xsd:element>
157 <xsd:element name="ShipperAccount"
158 type="ShipperAccount_Type" maxOccurs="unbounded"/>
159 </xsd:sequence>
160 <xsd:attribute name="Version" type="xsd:string" use="required"/>
161 <xsd:attribute name="Release" type="xsd:string" use="required"/>
162 </xsd:complexType>
163 </xsd:element>
164 <xsd:complexType name="ShipperAccount_Type">
165     <xsd:annotation>
166         <xsd:documentation/>
167     </xsd:annotation>
168     <xsd:sequence>
169         <xsd:element name="AccountIdentification" type="ecc:PartyType">
170             <xsd:annotation>
171                 <xsd:documentation/>
172             </xsd:annotation>
173         </xsd:element>
174         <xsd:element name="Interval" type="Interval_Type"
175 maxOccurs="unbounded"/>
176     </xsd:sequence>
177 </xsd:complexType>
178 <xsd:complexType name="Interval_Type">
179     <xsd:annotation>
180         <xsd:documentation/>
181     </xsd:annotation>
182     <xsd:sequence>
183         <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">

```

```
184         <xsd:annotation>
185             <xsd:documentation/>
186         </xsd:annotation>
187     </xsd:element>
188     <xsd:element name="Category" type="ecc:StatusType">
189         <xsd:annotation>
190             <xsd:documentation/>
191         </xsd:annotation>
192     </xsd:element>
193     <xsd:element name="Quantity" type="ecc:QuantityType">
194         <xsd:annotation>
195             <xsd:documentation/>
196         </xsd:annotation>
197     </xsd:element>
198     <xsd:element name="Direction" type="ecc:DirectionType" minOccurs="0">
199         <xsd:annotation>
200             <xsd:documentation/>
201         </xsd:annotation>
202     </xsd:element>
203 </xsd:sequence>
204 </xsd:complexType>
205 </xsd:schema>
```

207 **6 DOCUMENT CHANGE LOG**

Package	Version	Date	Description
4.0	1	2009-04-27	Initial release

208