

Edig@s Codelist Documentation for Electronic Documents



The European message format for the gas market

Version 6.1

Document Version: 8

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1 Codelist Model Detail

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This document provides the complete list of Edig@s codes associated with each codelist.

2 Edig@s CodeLists

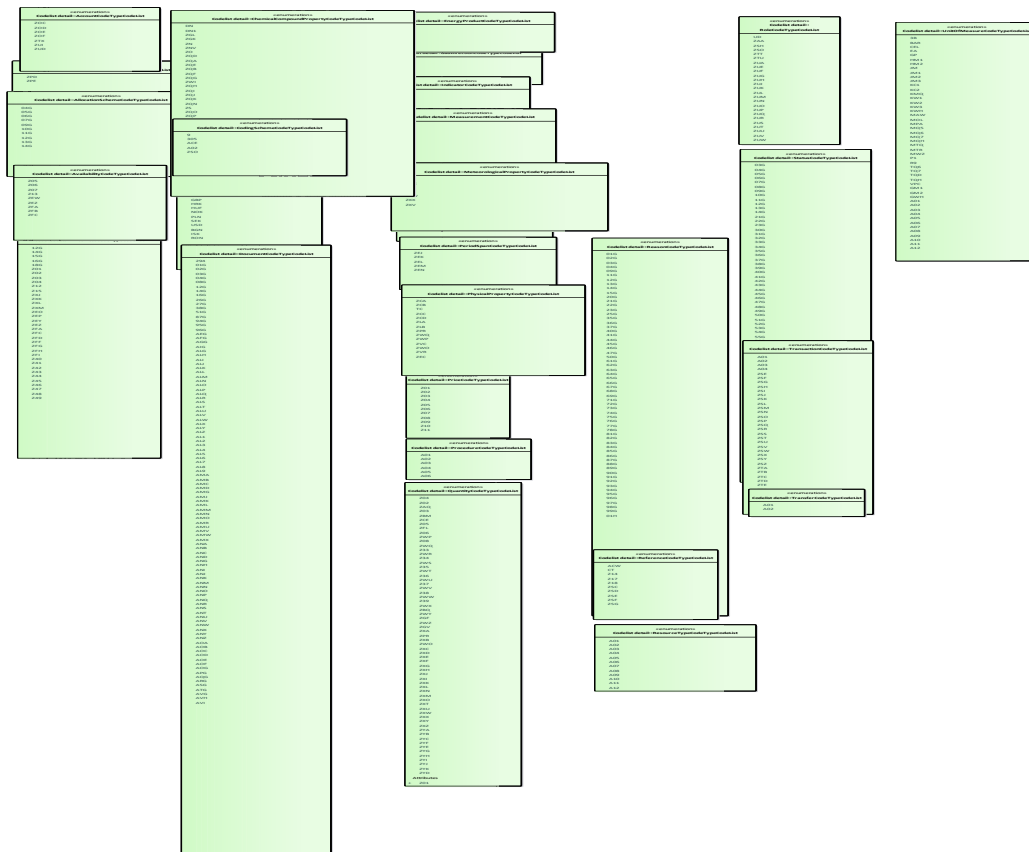


Figure 1: Codelist classes

2.1 Introduction

The document contains the valid codelists and corresponding codes that are accepted in Edig@s version 6.

Please note that there are some codes listed in this document that are not managed by the Edig@s working group and cannot be changed unless approved by the party managing these codes. The codes in question are highlighted in the codelist for reference.

2.2 Codelist detail

2.2.1 AccountCodeTypeCodeList

Code giving specific meaning to an account.

2.2.1.1 List of Attributes

Name	Notes
ZOC	Internal account. The account identification known to a System Operator.
ZOD	Supplier account. The account is for a supplier.
ZOE	Balance Responsible Party account. The account is for a Balance Responsible Party.
ZOF	System Operator account. The account is for a System Operator.
ZTX	Differences Account. The account containing the difference between an entry and exit load forecast as calculated by a System Operator.
ZUI	Total market. An account describing the total netted position of a market.
ZUD	Virtual Account. The account used by a System Operator to identify specific information not related to a party.

2.2.2 AccountDirectionCodeTypeCodeList

Code identifying the direction of an account movement.

2.2.2.1 List of Attributes

Name	Notes
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

2.2.3 AllocationSchemeCodeTypeCodeList

Code identifying a type of allocation scheme.

2.2.3.1 List of Attributes

Name	Notes
04G	Pro rata. In proportion, proportionally with respect to a value.
05G	BRPBA Balance Responsible Party balancing agreement. An agreement that ensures that the quantities of gas actually delivered and received each gas day at the Interconnection Point will equal the confirmed nominations.
06G	OBA Operational balancing agreement. An agreement that ensures that the volume of gas actually delivered and received each day at each Interconnect Point will equal the scheduled quantities for that point.
07G	Calculated allocation. An allocation based on the application of an agreed formula.
09G	SLP (Synthetic load profile). The load profile of a consumer which is determined by the means of the application of a formula as opposed to a measurement.
10G	Deemed. The allocation of a Balance Responsible Party is equal to the nomination of a Balance Responsible Party.
11G	Capacity Percentage. The value has been allocated in relation to the percentage of capacity.
12G	Band. The allocated values are limited to a predefined range.
13G	Rank. The allocated values are limited by a priority order defined by local market rules.
14G	Metered. The value has been allocated in compliance with the metered values.

2.2.4 AvailabilityCodeTypeCodeList

Code giving specific meaning to the availability of capacity.

2.2.4.1 List of Attributes

Name	Notes
Z05	Interruptible (booked). Interruptible means gas transmission capacity that may be interrupted by the Transmission System Operator in accordance with the conditions stipulated in the transport contract.
Z06	Firm (booked). The capacity allocated is firm
Z07	Conditional (booked). The capacity is conditional to climatic or technical reasons.
Z13	Current storage quantity. The amount of gas stored in a facility at a given moment.
ZEW	Published technical capacity. The product is published technical capacity.
ZEZ	Gas in kind. Gas used by the Transmission System Operator to physically flow the gas requested by the Balance Responsible Party.
ZFA	Available Interruptible capacity. The capacity made available to the market on an interruptible basis.
ZFB	Available Firm capacity. The capacity made available to the market on a firm basis.
ZFC	Makeup. The quantity to make up from a previous nomination.

2.2.5 BusinessCodeTypeCodeList

Code specifying the business meaning of an item.

2.2.5.1 List of Attributes

Name	Notes
12G	Accepted by SO. The original balancing party nomination that was accepted* by the System Operator (* with respect to the required lead-time). An accepted nomination is a qualified nomination by the Balance Responsible Party that have gone successfully through all the necessary controls and have been accepted by the System Operator. Depending on the System Operator, the result of those different controls can lead to a modification of the quantities or to a partial or complete rejection of the nomination message.
14G	Processed by SO. This status is used to define nominations from a Balance Responsible Party that may have been modified by the System Operator taking into account any physical calculation, capacity constraint, balancing obligations, etc.
15G	Processed by adjacent System Operator. This status is used to define nominations from an adjacent Balance Responsible Party that may have been modified by the adjacent System Operator taking into account any physical calculation, capacity constraint, balancing obligations, etc.
16G	Confirmed. Means the quantities of gas confirmed to be scheduled or rescheduled to flow on a gas day. The confirmed quantities will take into account processed quantities and the matching process if applicable.
18G	Counterpart nomination. The original counterpart Balance Responsible Party nomination that was accepted* by the Neighbouring System Operator or by the Area Coordinator. (*with respect to the required lead-time).

	An accepted nomination is a qualified nomination by the Balance Responsible Party that have gone successfully through all the necessary controls and have been accepted by the System Operator. Depending on the System Operator, the result of those different controls can lead to a modification of the quantities or to a partial or complete rejection of the nomination message.
Z01	Allocated. Amount of energy attributed by a System Operator or by an Allocation Responsible to its Balance Responsible Party's at a connection point.
Z02	Nominated. Value given by a Balance Responsible Party indicating the estimation of gas that should be transported or stored.
Z03	Measured. Value measured with a metering equipment.
Z04	Confirmed. Value agreed by a System Operator that should be transported/stored.
Z12	Commercial flow results. The aggregated quantities of the confirmed matched nominations.
Z15	Interrupted capacity. This is used to show the amount of interrupted capacity.
ZXJ	Opening position. This provides the opening position of an account.
ZXK	Closing position. This provides the closing position of an account.
ZXL	Transaction. This provides a specific transaction.
ZXM	Imbalance. This provides the imbalance position.
ZEO	Inclusion. The product is an inclusion.
ZEP	Exclusion. The product is an exclusion.
ZEY	Initial nomination. The product is initial nomination.
ZEZ	Provisional allocation. The product is provisional allocation.
ZFA	Physical flow. The product is physical flow.
ZFC	Last (re)nomination. The product is last (re)nomination.
ZFD	Nomination assignment. The product is a nomination assignment.
ZFF	Projected closing line pack. The time series concerns the projected closing line pack.
ZFG	Consumption. The time series concerns consumption.
ZFH	Metered consumption. The time series concerns metered consumption.
ZFI	Profiled consumption. The timeseries concerns profiled consumption.
ZFJ	Biogas injections The timeseries concerns biogas injections.
Z40	Correction for imbalance. The time series concerns the amount of energy correcting the imbalance quantity, resulting from a correction to the allocated amount. The correction to the imbalance quantity doesn't influence the daily imbalance of a Balance Responsible Party.
Z41	Allocated maximum hourly gas flow.

	The time series concerns the maximum hourly gas flow on a given gas day that is attributed to a Balance Responsible Party.
Z42	Negative correction to allocated amount (decrease). The time series concerns the amount of energy decreasing the allocated quantity attributed by a System Operator or by an Allocation Responsible to Balance Responsible Parties at a connection point in a given time period, which cannot be allocated to a particular gas day. The correction to the allocated amount doesn't influence the daily imbalance of a Balance Responsible Party.
Z43	Positive correction to allocated amount (increase). The time series concerns the amount of energy increasing the allocated quantity attributed by a System Operator or by an Allocation Responsible to Balance Responsible Parties at a connection point in a given time period, which cannot be allocated to a particular gas day. The correction to the allocated amount doesn't influence the daily imbalance of a Balance Responsible Party.
Z44	Lower limit For a balancing action on a market area this defines the lower limit a boundary.
Z45	Upper limit For a balancing action on a market area this defines the upper limit a boundary.
Z46	Market area position The system commercial balance for a market area.
Z47	Overrun The quantity of gas that exceed the minimum and maximum storage level limits for one day. This quantity can be purchased by the Storage System Operator from the Balance Responsible Party on a given day to cover a maximum stock overrun.
Z48	Shortfall The quantity of gas that exceed the minimum and maximum storage level limits for one day due to shortfall. . This quantity sold by the Storage System Operator to the Balance Responsible Party on a given day to cover shortfall (minimum stock overrun).
Z49	Fuel gas The quantity of fuel gas used at a storage facility.

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2.2.6 CapacityCodeTypeCodeList

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2.2.7 ChemicalCompoundPropertyCodeTypeCodeList

143 *Code identifying the chemical properties of gas.*144

2.2.7.1 List of Attributes

Name	Notes
DN	Density. The measured density.
DN1	Relative density. The measured relative density.
ZGL	Lowest announced GCV. Lowest Gross Caloric Value announced by one of the Balance Responsible Party's at the (System Operator) Connection Point.
ZGK	GCV. The Gross Caloric Value Conversion factor as delivered at the (TSO) Connection Point.
ZN	Nitrogen. A common non-metallic element that is normally a colourless odourless tasteless, inert diatomic gas; constitutes 78 percent of the atmosphere by volume.
ZNV	Net caloric value. The net calorific value is the gross calorific value less the latent heat of evaporation of the water that formed during combustion of the fuel.
ZO	Oxygen (O2).

	A non-metallic bivalent element that is normally a colourless, odourless, tasteless, non-flammable diatomic gas; constitutes 21 percent of the atmosphere by volume.
ZQD	Carbon dioxide
ZQA	Water dew point at line pressure conditions. Water dewpoint is defined as the temperature to which the gas must be cooled in order for water condensation to begin forming.
ZQE	Hydrogen sulphide content (H ₂ S).
ZQB	Hydrocarbon dew point. Hydrocarbon dew point is the temperature to which the gas must be cooled in order for hydrocarbons to begin to condense.
ZQF	Propane content C ₃ H ₈ .
ZQG	Ethan Content C ₂ H ₆ .
ZWI	Wobbe index. The Wobbe index of a gas is an indicator of the interchangeability of fuel gases and is frequently defined in the specifications of gas supply and transport utilities.
ZQH	Methane content CH ₄ .
ZQI	i-Butane content i-C ₄ H ₁₀ .
ZQJ	Content C ₆ +
ZQK	Content i-C ₅ H ₁₂ .
ZQN	Mercaptan (C _n H _{2n+1} SH). The (ethyl) mercaptan is an odorizing agent added to gas to ease the gas leak identification.
ZS	Sulphur (S). An abundant tasteless, odourless, multivalent non-metallic element; best known in yellow crystals.
ZQO	n-Butane content n-C ₄ H ₁₀ .
ZQP	Content n-C ₅ H ₁₂ .
ZQQ	Content neo-C ₅ H ₁₂ .
ZQR	Hydrogen content.
ZQS	Water dewpoint at contract conditions. The water dewpoint at contract conditions (i.e. 70 bar)
ZQT	Methanol (MeOH) content. The content of MeOH in a gas flow.
ZQU	Triethylene glycol (TEG) content. The content of TEG in a gas flow.
ZQV	Monoethylene glycol (MEG) content. The content of MEG in a gas flow.
ZQW	Inerts Argon, Helium and Nitrogen
ZQX	Carbon monoxide
ZQY	Total halogenated compounds
ZQZ	Hydrocarbons - including methane
ZRA	Content of H ₂ O – Water.
ZRB	Content of C ₂ H ₅ OH – Ethanol.
ZRC	Content of NH ₃ – Ammonia.
ZRD	Content of NH ₄ – Ammonium.
ZRE	Content of Ar – Argon.

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2.2.8 CodingSchemeCodeTypeCodeList

Code identifying the party responsible for the code allocation and management.

2.2.8.1 List of Attributes

Name	Notes
9	GS1. GS1 (formerly EAN International), an organisation of GS1 Member Organisations, which manages the GS1 System.
305	Assigned by ENTSO-E (EIC). Code managed by the European Network for Transmission System Operators for Electricity (ENTSO-E) according to the Energy Identification Coding Scheme (EIC).
ACE	Assigned by ACER. Code assigned by ACER.
A02	Assigned by Auction Office. Code assigned by the Auction Office.
ZSO	Assigned by System Operator. Code assigned by the System Operator.

2.2.9 CurrencyCodeTypeCodeList

Code identifying a currency respecting the international ISO 4217 three-character currency codes.

2.2.9.1 List of Attributes

Name	Notes
CHF	Swiss Franc. The legal tender of Switzerland.
CZK	Czech Koruna. The legal tender of the Czech Republic.
DKK	Danish Kroner. The legal tender of Denmark.
EUR	Euro. The European legal tender Euro.
GBP	Pound Sterling. The legal tender of the United Kingdom.
HRK	Croatian Kuna. The legal tender of Croatia.
HUF	Hungarian Forint. The legal tender of Hungary.
NOK	Norwegian Kroner. The legal tender of Norway.
PLN	Polish Zloty. The legal tender of Poland.
SEK	Swedish Kroner. The legal tender of Sweden.
USD	US Dollar. The legal tender of the USA.
BGN	Bulgarian lev. The legal tender of Bulgaria.
ISK	Icelandic króna. The legal tender of Iceland.
RON	Romanian new leu. The legal tender of Romania.

155 2.2.10 DocumentCodeTypeCodeList

156 *Code identifying the specific context in which an Edig@s electronic document is used.*

157 2.2.10.1 List of Attributes

Name	Notes
294	Application error and acknowledgement. Message used by an application to acknowledge reception of a message and/or to report any errors.
01G	Connection point nomination. Message used by a Balance Responsible Party to nominate the physical flows to a System Operator.
02G	Virtual trading point (VTP) OTC nomination. A non-physical over the counter hub for trading in natural gas markets for a given market area.
03G	Virtual trading point (VTP) exchange nomination. A non-physical exchange hub for trading in natural gas markets for a given market area that is only used by the Clearing Responsible.
04G	Non-matching nomination. A nomination to a Final Customer that has no counterpart and consequentially cannot be matched.
08G	Confirmation notice. Message sent by a System Operator or an Area Coordinator to a Balance Responsible Party to confirm the quantity that may be transmitted and to inform about the quantity processed by the counter System Operator.
12G	Changed capacity. Message sent by a System Operator to advise a Capacity Responsible Party about a changed capacity situation.
14G	Imbalance notification. Message that is sent by a Reconciliation Responsible to advise a Balance Responsible Party about an imbalance situation.
16G	Reconciliation notification. Message that is sent by a Reconciliation Responsible to advise a Balance Responsible Party about a reconciliation situation.
26G	Callup notice. A message that is exchanged between System Operators and used to indicate the quantities that the System Operator is able to transmit or process.
27G	Callup response. Message used by a matching System Operator to inform the adjacent System Operator of the Balance Responsible Party nominated values matching results.
38G	Offtake Notice. An operational document issued by a Balance Responsible Party (buyer) to advise another Balance Responsible Party (seller) about the quantity formally requested.
51G	Gas data. Message transmitted between different parties to inform on the operational status either as a highly frequent status update or as a periodic report on the volumes handled during the period.
87G	Measurement Information. Message sent by a System Operator to a party after a given period. The message contains the specified quantities for the period in question.
94G	Account position report. Message sent by a System Operator to report on or to reset the position of an account.
95G	Provisional allocation report. Message sent by an Allocation Responsible to report the allocation non validated and sent before the start of a period after the period in question. The receiver could be a Balance Responsible Party, an Area Coordinator or a System Operator.
96G	Definitive allocation report. Message from an Allocation Responsible to report the allocation validated and sent after the delivery month in question. The receiver could be a Balance Responsible Party, an Area Coordinator or a System Operator.
AEG	Operational Instructions.

	An instruction message sent by the System Operator to a Production Facility Operator to provide instructions for the operation of the plant.
AFG	Instruction response. An instruction reply message sent by the Production Facility Operator to the System Operator acknowledging the instruction request message and providing information on the action that has been taken.
AGG	Availability notice. A binding operational document issued by a Balance Responsible Party (seller) to advise another Balance Responsible Party (buyer) about the maximum and minimum availability of natural gas or the availability of a service.
AIG	Instruction forecast. An instruction message sent by the System Operator to a Production Facility Operator to provide forecasted instructions for the operation of the plant.
ALG	Instruction confirmation. A confirmation message to an instruction response containing the confirmed values that will be taken into consideration.
ALH	Trade Program. Forecast of Balance Responsible Party trades.
ALI	Entry Program. Forecast of Balance Responsible Party input programs.
ALJ	Exit Program. Forecast of Balance Responsible Party output programs.
ALK	Trade Confirmation. Confirmation of the forecast of Balance Responsible Party trades.
ALL	Entry Confirmation. Confirmation of the forecast of Balance Responsible Party input programs.
ALM	Exit Confirmation. Confirmation of the forecast of Balance Responsible Party output programs.
ALN	Auction Bid. A bid sent by Capacity Responsible Party to a Capacity Platform Responsible.
ALO	Reserve bid. A tender by a party offering a reserve energy service.
ALP	Bid activation. The request for the activation of a specific accepted bid by a party.
ALQ	Emergency activation. The request for the emergency activation of energy.
ALR	Assistance gas clearing confirmation. The confirmation of the quantities provided for assistance in network balancing.
ALS	Culprit clearing confirmation. The confirmation of the quantities that caused a network imbalance.
ALT	Emergency clearing confirmation. The confirmation of the quantities provided for resolving an emergency situation to ensure network balance.
ALU	Storage, LNG and Network Limits A document that provides the Balance Responsible Party with limits corresponding to rights and capacities.
ALV	Inventory Position Document A document used for the System Operator to provide information to the Balance Responsible Party on the inventory position at a given time.
ALW	Transfer between 2 BRPs in the same storage, same SSO A document containing transfer request of gas stock from one Balance Responsible Party to another BRP in the same storage/facility/product combination
ALX	Transfer inside 1 BRP in different accounts, same SSO A document containing transfer request of gas stock for one Balance Responsible Party between different accounts/storage points/facility products within the same storage
ALY	Transfer between 2 BRPS with 2 SSOs (REGENT) A document containing transfer request of gas stock between 2 Balance Responsible Parties involving

	several Storage System Operators within the same storage facility (REGENT)
ALZ	Storage Action Confirmation Document A document containing confirmed transfer requests.
AL1	Gas Requirements Declaration document. The document sent from a Final Customer to a Balance Responsible Party providing a declaration of gas requirements.
AL2	Gas Requirements Confirmation document. The document sent from a Balance Responsible Party to a Final Customer providing the confirmation of previously submitted gas requirements.
AL3	Day Ahead Forecast Document. The document providing the forecast for day ahead gas requirements.
AL4	Preliminary gas day results document. The document providing the preliminary results for a gas day.
AL5	Definitive gas day results document. The document providing the definitive results for a gas day.
AL6	Actual physical flows document. The document providing the actual physical flows of gas.
AL7	Resource object data document. The document providing the resource object data of gas production, storage, extraction.
AL8	Setting forecast document. The document providing the setting forecast instructions for a facility.
AL9	Reserve bid activation. The request for the activation of a reserve bid.
AMA	Purchase Requirements Document. An operational document issued by a Balance Responsible Party (purchaser) to inform other Balance Responsible Party's (potential sellers) about gas requirements for a period.
AMB	Sales Offer. An operational document issued by a Balance Responsible Party (seller) to inform another Balance Responsible Party (purchaser) of the quantity of gas available for sale.
AMC	Purchase confirmation. An operational document sent by a Balance Responsible Party, confirming the offer proposed in the identified request document.
AMD	Offtake confirmation. An operational document sent by a Balance Responsible Party, confirming the offtake proposed in the identified request document.
AMG	Total available capacity. The confirmation of the total available capacity proposed in the identified offers document. It is sent from a System Operator to another System Operator or to a Capacity Responsible Party.
AMJ	Bid confirmation. The confirmation of a bid initially submitted.
AMK	Weather forecast document. The weather forecast for a given period.
AML	Weather results document. The weather results for a given period.
AMM	Publication document. A document to provide market participants with market information.
AMN	Secondary market transfer advice. A document sent from a Capacity Responsible Party, either holder or receiver of the capacity, to a System Operator to provide information about transfers on the secondary market.
AMO	Flexible services request document. An operational document exchanged between Balance Responsible Parties that requests both buying and selling gas positions.
AMR	Flexible request confirmation document. An operational document exchanged between Balance Responsible Parties that confirms both buying and selling gas positions.

AMU	Technical Acknowledgement An acknowledgement of an XML document when the XML document that is received cannot be correctly processed for submission to the application.
AMV	System Operator offered capacity document. Document submitted by a System Operator to a Capacity Platform Responsible containing the capacity to be auctioned.
AMW	Capacity Platform Responsible validated Offered Capacity. Document sent from a Capacity Platform Responsible to a System Operator containing the capacity that has been validated for offer in an auction.
AMX	Offered capacity for auction document. Document submitted by a Capacity Platform Responsible to Capacity Responsible Party's containing the capacity that will be offered for auction.
ANA	Capacity Responsible Party allocated capacity document. Document transmitted after an auction by a Capacity Platform Responsible to a Capacity Responsible Party providing the information containing the quantity and price allocated according to the given auction process.
ANB	Auction results (aggregated for Capacity Responsible Party's; detailed for System Operators) document. Document transmitted by a Capacity Platform Responsible to a System Operator with detailed auction results or to a Capacity Responsible Party with aggregated auction results.
ANC	Forwarded single sided nomination. A nomination received by the active Transmission System Operator and forwarded to the passive Transmission System Operator.
AND	Interruption notice. Document providing the potential interruption impacting at least interruptible capacities.
ANG	Contract Market Monitoring Document. Document providing the contractual market information.
ANH	Nomination Assignment document. Document providing definitive balance group information for nominations.
ANI	Capacity Allocation information. Document providing capacity allocation information.
ANJ	Nomination and allocation information. Document providing nomination and allocation information.
ANK	Physical flow information. Document providing physical flow information.
ANM	Aggregated nomination and allocation information document. Document transmitted from a Transparency platform to a Market Information Aggregator with aggregated nomination and allocation information.
ANN	Nomination authorisation request. A message used by a Balance Responsible Party to inform a Transmission System Operator that the Balance Responsible Party designated in the document may provide the nominations in a single sided mode of operation.
ANO	Market situation. A message used to provide market situation information.
ANP	Capacity surrender request. A message sent by a Capacity Responsible Party to surrender capacity that has previously been allocated to a Capacity Platform Responsible or a Transmission System Operator to a Capacity Platform Responsible or a Transmission System Operator.
ANQ	Surrendered capacity sale results. A message sent by a System Operator informing a Capacity Responsible Party of the results of an auction where surrendered capacity has been on offer.
ANR	Capacity Responsible Party credit limits. A message sent by a System Operator to a Capacity Platform Responsible providing credit limit information concerning a Capacity Responsible Party.
ANS	Credit limits used by a Capacity Responsible Party. A message sent by a Capacity Platform Responsible to a System Operator providing the credit limit

	situation of a Capacity Responsible Party.
ANT	Detailed auction results for System Operators. A message sent by a Capacity Platform Responsible to a System Operator providing the detailed results of an auction.
ANU	Reverse auction request. A message sent by a System Operator to a Capacity Platform Responsible requesting the setup of a reverse auction.
ANV	Surrender capacity document retransmission. A message sent by a Capacity Platform Responsible to a System Operator providing surrender capacity documents that have been received.
ANW	Non daily metered forecast A message sent by an Area Coordinator to a Balance Responsible Party providing a forecast of the gas quantities that are measured and collected less frequently than once per gas day. The message may be also used for the data provision from a forecasting party (TSO, DSO) to the Area Coordinator.
ANX	Other market information An Urgent Market Message document that provides information concerning an unavailability that cannot be associated with a coded resource.
ANY	Balancing action forecast. If nothing is done in the case where the system could be in imbalance the Balancing action forecast will show how the Balance Responsible Party accounts are impacted. This is only sent when the time is equal to the end of the gas day minus 4 hours.
ANZ	Within day Balancing action results. A document that provides the result of a within day operation when the system is not in balance. Note: This corresponds to the Version 5 CLRCON message, document type (ALS)
AOA	End of day Balancing results. A document that provides the result of daily operations of the Balance Responsible Party accounts for the system.
AOB	Market area position. A document providing the position of a Market Area.
AOC	Account information request. A document requesting a verification of the validity of a Balance Responsible Party account.
AOD	Account information confirmation. A document providing the confirmation of the validity of a Balance Responsible Account for a period.
AOE	Reverse Auction Specification The specification of the constraints to be employed for a reverse auction.
AOF	Unavailability of gas facilities. An Urgent Market Message Document providing unavailability information concerning gas facilities.
AOG	Operational Balancing Agreement (OBA). A document exchanged between the System Operators which provides the operational balancing account position.
APG	Account synchronisation. A document that is sent by an Allocation Responsible to a Balance Responsible Party. It provides synchronisation data for accounts.
AQG	System Operator request to nominate. The request made by a System Operator for a Balance Responsible Party to nominate a minimum quantity of gas.
ARG	Flow commitment. A message sent by a Transmission system Operator informing a Balance Responsible Party of the gas flow for which he is committed.
ASG	TSO to TSO gas flow A message sent between TSOs agreeing on a gas flow for a period.
ATG	Factor transmission Document. A document enabling the transmission of factoring information.
AVG	Confirmation capacity surrendered. A document used to confirm between a Capacity Platform Responsible and a System Operator the amount

	of bundled capacity that has been surrendered and accepted.
AVH	Document expected but not received. The Problem Statement is sent by a party that is expecting the delivery of a specific electronic document that has not been received by a certain time
AVI	Emergency balancing action. A document that is issued in emergency situations, and provides information to the recipient party on required actions in a situation where the system is not in balance. Note: This corresponds to the Version 5 CLRCON message, document type (ALT)

2.2.11 EnergyProductCodeTypeCodeList

Code identifying the gas level of an energy product.

2.2.11.1 List of Attributes

Name	Notes
HC1	H Gas. A gas containing more than 90% of methane (H = High calorific).
LC1	L Gas. A gas containing less than 60% of methane (L = Low-low calorific).

2.2.12 GasDirectionCodeTypeCodeList

Code identifying the direction of a gas flow.

2.2.12.1 List of Attributes

Name	Notes
Z02	Input quantity. Quantity of gas on the inlet side.
Z03	Output quantity. Quantity of gas on the outlet side.

2.2.13 IndicatorCodeTypeCodeList

Code identifying a binary indicator of the nature yes/no.

2.2.13.1 List of Attributes

Name	Notes
01G	Yes. The indication is true or yes.
02G	No. The indicator is false or no.

2.2.14 MeasurementCodeTypeCodeList

Code identifying the type or position of a measurement unit.

2.2.14.1 List of Attributes

Name	Notes
Z25	Transmission System Interface. A point that interfaces with a transmission system.
Z26	Market area interface. A point that interfaces with a market area.
Z27	Storage system interface. A point that interfaces with a storage system.
Z28	Production facility interface. A point that interfaces with a production facility.
Z29	LNG interface. A point that interfaces with a LNG system.
Z30	Distribution system interface.

	A point that interfaces with a distribution system.
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2.2.15 MeteorologicalPropertyCodeTypeCodeList

Code identifying meteorological characteristics.

2.2.15.1 List of Attributes

Name	Notes
ZXP	Windspeed. Windspeed expressed in meters per second (msc).
ZXQ	Minimum temperature Minimum temperature expressed in degrees celsius.
ZXR	Maximum temperature Maximum temperature expressed in degrees celsius.
ZXS	Cloudiness Cloudiness expressed in Okta units.
ZXW	Temperature. Temperature expressed in degrees celsius.
ZXX	Wind direction The wind direction expressed in 10-degree increments (000-350)
ZXV	Solar irradiance. A combination of bright light and radiant heat.

2.2.16 NominationCodeTypeCodeList

Code identifying a type of nomination.

2.2.16.1 List of Attributes

Name	Notes
A01	Single sided nomination. A nomination submitted by a Balance Responsible Party on behalf of both involved parties to only one Transmission System Operator.
A02	Double sided nomination. A nomination submitted by a Balance Responsible Party to the Transmission System Operator's with regard to interconnection points.

2.2.17 PeriodSpanCodeTypeCodeList

Code identifying the time span for a given product.

2.2.17.1 List of Attributes

Name	Notes
ZEJ	Yearly. The product is yearly.
ZEK	Quarterly. The product is quarterly.
ZEL	Monthly. The product is monthly.
ZEM	Daily. The product is daily.
ZEN	Within day. The product is within day.

2.2.18 PhysicalPropertyCodeTypeCodeList

Code defining the physical properties of gas.

2.2.18.1 List of Attributes

Name	Notes
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ZCA	Hs flow computer reading. The flow computer reading of the percentage of H2S in a gas flow.
ZCB	Carbon dioxide flow computer reading. The flow computer reading of the percentage of CO2 in a gas flow.
TC	Temperature. A measurement in relation to temperature.
ZCC	Nitrogen flow computer reading. The flow computer reading of the percentage of Nitrogen in a gas flow.
ZCD	Relative density flow computer reading. The flow computer reading of the relative density of a gas is its density divided by the density of hydrogen (or sometimes dry air) at the same temperature and pressure.
ZLA	Volume at normal conditions (Vn). Volume at normal conditions. Value expressed in m³.
ZLB	Volume at 20°C or 293.15K (V20°C). Volume at 20 °C or 293.15 K. Value expressed in m³.
ZPR	Pressure. The pressure of a gas is the force that the gas exerts on the walls of its container.
ZWQ	Quantity The quantity of gas in kWh.
ZWP	Volume at measurement conditions The volume of gas at measurement conditions.
ZVC	Position of volume counter at normal conditions
ZWO	Compressibility factor Z. The ratio pV/RT where p is the pressure of the gas, T is its temperature, and V is its molar volume.
ZVR	Position of volume counter at measurement conditions
ZEC	Position of energy counter
ZED	Gross mass The total mass of the entire flow (including all components)
ZEE	Net mass. The netto mass of the specific product (e.g CO2 or H2), excluding any other components

2.2.19 PriceCodeTypeCodeList

Code giving specific meaning to a type of price.

2.2.19.1 List of Attributes

Name	Notes
Z01	Measurement fee. The price represents the cost of measurement.
Z02	Accounting fee. The price represents the cost of accounting.
Z03	Biogas fee. The price represents the cost of biogas.
Z04	Operating fee. The price represents the cost of operation.
Z05	Normal The price represents normal pricing (for deletion?)
Z06	Reverse pricing The price represents reverse pricing (for deletion??)
Z07	Fixed The price represents fixed pricing.
Z08	Floating. The price represents floating pricing.
Z09	Weighted average. The price represents a weighted average.
Z10	Marginal buy price.

	The price represents the marginal buy price.
Z11	Marginal sell price. The price represents the marginal sell price.

2.2.20 ProcedureCodeTypeCodeList

Code identifying a type of procedure.

2.2.20.1 List of Attributes

Name	Notes
A01	CFO. Call for orders for assignment.
A02	FCFS. First come first served for assignment.
A03	OTC. Over the counter for assignment.
A04	CFO SUB. Call for orders for subletting / transfer of use.
A05	FCFS SUB First come first served for subletting / transfer of use.
A06	OTC SUB Over the counter for subletting / transfer of use

2.2.21 QuantityCodeTypeCodeList

Code qualifying the type of quantity.

2.2.21.1 List of Attributes

Name	Notes
Z01	MQA- Maximum Quantity Available for offtake at a location. Maximum quantity available for offtake by the buyer at the specified location (Sellers' Maximum Location Delivery Possible).
Z04	Hourly flow rate. Instantaneous volume flow rate, expressed in Nm3 per hour.
Z02	Maximum capacity available. Specifies the maximum capacity the provider of a capacity related service is able to make available for usage.
ZAQ	Quantity effective. The quantity effectively used.
Z03	Minimum capacity to use. Specifies the minimum capacity the user of a capacity related service has to request for usage.
ZBM	Nominated quantity. The quantity nominated by a Balance Responsible Party to a System Operator.
ZCE	Allocation quantity. Means the quantity of energy assigned to a Balance Responsible Party portfolio at a network point.
Z05	Quality deficient gas quantity. The quantity of gas that does not meet the agreed specifications.
ZFL	Flow. The quantity of gas that flows through a pipe is proportional to the pressure gradient between 2 ends of pipe and to the fourth power of the pipe radius and inversely proportional to the viscosity and to the length of the tube.
Z06	Buyers Destination - Balance Responsible Party Offtake. The quantity the buyer will take off at a delivery location using a specific destination Balance Responsible Party. This quantity includes quality deficient gas.
ZWP	Nomination limit. The limit allowed for nomination.
Z08	Buyers resultant offtake - BRO.

	The quantity the buyer will eventually (be able to) take off at a delivery location. This quantity does not include quality deficient gas.
ZWQ	Top daily imbalance limit. The maximum limit allowed for daily imbalance.
Z33	Capacity user resultant usage. Specifies the capacity the user of a capacity related service requests to use considering any change resulting from a changed availability.
ZWR	Shortfall imbalance limit. The maximum and minimum authorised imbalance limits, in absolute values (i.e. maximum is greater than minimum), for a shortfall situation. Shortfall means a negative position (i.e. Balance Responsible Party in debit with Transmission System Operator) in a balance account, i.e. output gas quantities > input gas quantities. The limits are related to a certain period so they can be daily, hourly, etc.
Z34	Originating Balance Responsible Party capacity usage. Specifies the capacity the user of a capacity related service requests to use as input to the contract at a point, specifying the Balance Responsible Party that eventually will provide the product related to the service to the provider of the service.
ZWS	Cumulative shortfall imbalance limit. The maximum and minimum authorised cumulative imbalance limits, in absolute values (i.e. maximum is greater than minimum), for a shortfall situation. Shortfall means a negative position (i.e. Balance Responsible Party in debit with Transmission System Operator) in a balance account, i.e. output gas quantities > input gas quantities. Cumulative imbalance shall be interpreted as the sum of unsettled imbalances from previous periods and follows specific market rules.
Z35	Destination Balance Responsible Party capacity usage. Specifies the capacity the user of a capacity related service requests to use as output from the contract at a point, specifying the Balance Responsible Party that eventually will take off the product related to the service from the provider of the service.
ZWT	Supply level 1. The level of supply at level 1.
Z36	Balance Responsible Party offtake/delivery. Specifies the quantity of a product that one specific Balance Responsible Party will offtake/deliver from/to another specific Balance Responsible Party at a point.
ZWU	Supply level 2. The level of supply at level 2.
Z37	Maximum quantity available. The quantity is the maximum quantity that is available.
ZWV	Supply level 3. The level of supply at level 3.
Z38	Minimum quantity available. The quantity is the minimum quantity that is available.
ZWW	Supply level 4. The level of supply at level 4.
Z39	Sellers Destination Balance Responsible Party purchase. The destination of the quantity for the Balance Responsible Party purchase.
ZWX	Supply level 5. The level of supply at level 5.
ZBQ	Buyer's Request. The quantity requested by the buyer for offtake in line with his contractual rights and obligations towards the seller.
ZWY	Supply level 6. The level of supply at level 6.
ZGF	Nominated GCV. Gross calorific value conversion factor estimated by the Balance Responsible Party.
ZWZ	Supply level 7. The level of supply at level 7.
ZGV	GCV conversion.

	Gross calorific value conversion factor.
ZXA	Supply level 8. The level of supply at level 8.
ZPR	Pressure. The pressure of the gas in the pipe.
ZXB	Supply level 9. The level of supply at level 9.
ZWO	Compressibility factor Z. The ratio pV/RT where p is the pressure of the gas, T is its temperature, and V is its molar volume.
ZXC	Supply level 10. The level of supply at level 10.
ZXD	Firm. The quantity is firm.
ZXE	Makeup. The quantity is to make up from a previous nomination.
ZXF	Interruptible. The quantity is interruptible.
ZXG	Conditional. The quantity is conditional.
ZXH	Maximum possible. The quantity is the maximum possible.
ZXJ	Opening position. The opening position quantity.
ZXI	Minimum possible. The quantity is the minimum possible.
ZXK	Closing position. The closing position quantity.
ZXL	Transaction. The quantity of a transaction.
ZXN	Limits where incentives are not paid. The upper or lower limits where incentives will not be paid.
ZXM	Imbalance. The imbalance quantity.
ZXO	Bundled quantity indivisible. The bundled quantity bid cannot be divided.
ZXT	Non-cumulative hourly market limits. Hourly limits that the market can't go beyond without impacting the market balancing situation.
ZXU	Index of confidence. An index for assessing the confidence in a current weather forecast.
ZXW	Excess imbalance limit. The maximum and minimum authorised imbalance limits, in absolute values (i.e. maximum is greater than minimum), for an excess situation. Excess means a positive position (i.e. Balance Responsible Party in credit with Transmission System Operator) in a balance account, i.e. output gas quantities less than Input gas quantities. The limits are related to a certain period so they can be daily, hourly, etc.
ZXX	Cumulative excess imbalance limit. The maximum and minimum authorised cumulative imbalance limits, in absolute values (i.e. maximum is greater than minimum), for an excess situation. Excess means a positive position (i.e. Balance Responsible Party in credit with Transmission System Operator) in a balance account, i.e. output (Exit) gas quantities less than input (Entry) gas quantities. Cumulative imbalance shall be interpreted as the sum of unsettled imbalances from previous periods and follows specific market rules.
ZXY	Contractual injection limit. The maximum absolute value of gas quantity that the Balance Responsible Party has the right to inject into a storage. The maximum corresponds to the nominal injection capacity defined contractually. The limits are related to a certain period so they can be daily, hourly, etc. Follows specific market rules this quantity can depend on the Balance Responsible Party stock level at the beginning of the period (by application of a

	reduction factor to the nominal capacity).
ZXZ	Contractual withdrawal limit. The maximum absolute value of gas quantity that the Balance Responsible Party has the right to withdraw from a storage. The maximum corresponds to the nominal withdrawal capacity defined contractually. Follows specific market rules this quantity can depend on the Balance Responsible Party stock level at the beginning of the period (by application of a reduction factor to the nominal capacity).
ZYA	Storage inventory level limit. The maximum and minimum allowed storage inventory level on a certain period. (Being a storage only positive values are assumed).
ZYB	Reduced injection limit. The contractual injection limit on which a reduction rate had been applied due to physical constraints of the Storage System Operator (e.g. maintenance).
ZYC	Reduced withdrawal limit. The contractual withdrawal limit on which a reduction rate had been applied due to physical constraints of the Storage System Operator (e.g. maintenance).
ZYD	Operational injection limit The maximum (and minimum if needed) absolute value of gas quantity that the Balance Responsible Party may inject into a storage in order to respect both storage inventory level limit and reduced maximum injection limit. The maximum corresponds to the nominal injection capacity defined contractually limited by maximum storage level. The minimum corresponds to the minimum quantity that has to be injected into the storage, in order to respect the minimum storage level. The limits are related to a certain period so they can be daily, hourly, etc. Follows specific market rules this quantity depends on the Balance Responsible Party's stock level at the beginning of the period.
ZYE	Operational withdrawal limit. The maximum (and minimum if needed) absolute value of gas quantity that the Balance Responsible Party may withdraw from a storage in order to respect both storage inventory level limit and reduced maximum withdrawal limit. The maximum corresponds to the nominal withdrawal capacity defined contractually limited by minimum storage level. The minimum corresponds to the minimum quantity that has to be withdrawn from the storage, in order to respect the maximum storage level. The limits are related to a certain period so they can be daily, hourly, etc. Follows specific market rules this quantity depends on the Balance Responsible Party's stock level at the beginning of the period.
ZYF	Minimum. The minimum amount.
ZYG	Calculated. The amount is calculated.
ZYH	Daily (Factor-Curve depending) injection limit
ZYI	Daily (Factor-Curve depending) withdrawal limit
ZYJ	Prorated/projected/Guaranteed Operational injection limit
ZYK	Prorated/ projected/Guaranteed Operational withdrawal limit
ZYL	Virtualised injection limit. The maximum quantity of gas that a Balance Responsible Party (BRP) can inject into the storage facility by transferring gas to the storage facility's balancing account at a Virtual Trading Point. This may differ from the physical injection limit, as virtual injection can be permitted by netting off against withdrawals by other BRPs.
ZYM	Virtualised withdrawal limit. The maximum quantity of gas that a Balance Responsible Party (BRP) can withdraw from the storage facility by receiving gas from the storage facility's balancing account at a Virtual Trading Point. This may differ from the physical withdrawal limit, as virtual withdrawal can be permitted by netting off against injections by other BRPs.
ZYN	Forecasted injection limit. The maximum quantity of gas that the customer is allowed to inject into the network. This quantity is calculated by the System Operator, and depends on factors such as the network configuration, gas quality, consumption levels of other customers in the same area.

2.2.22 ReasonCodeTypeCodeList

Code specifying the reason for an act.

2.2.22.1 List of Attributes

Name	Notes
01G	Processed and accepted. The message has been processed and accepted.
02G	Processed automatically. The message has been processed automatically by the system.
03G	Processed after operator validation. The message has been processed after review and validation by the System Operator.
04G	Rejected, received after deadline. The message has been rejected, since it was received after a deadline has passed.
09G	Quality deficient gas. The value is decreased due to the deficient quality of gas.
11G	Message delayed. Message received at a date equal to or later than the start of the reference period.
12G	Invalid monthly message. Monthly message received, when a weekly or daily message has already been received for the period concerned.
13G	Invalid weekly message. Weekly message received after reception of a daily message for the period concerned.
14G	Unknown account identification. The message contains an account identification that is unknown to the system.
15G	Wrong GCV value. The stated GCV value is outside the contractual limits.
20G	Quality variation. The value(s) associated to this status refer(s) to gas with a quality different to the foreseen one.
21G	For information. The values are being provided for information.
22G	Unplanned availability. The reason for this status concerns unplanned availability.
23G	Message refused by operator. The message has been refused by the operator.
25G	Planned availability. The information is provided for a planned availability.
35G	Counter Party Prevailed. The nomination of the counter party has prevailed.
36G	No Match counter party prevailed. Mismatch between the nomination and the confirmation based on aggregated matched quantities.
37G	Reduced Nominated Quantity. The Nominated Quantity is reduced because the sum of all the nominations for a Final Customer exceeds the maximum capacity.
40G	Syntactical error. The message received contains at least one syntactical error.
41G	Semantic error. The message received contains at least one semantic error.
44G	Unregistered Party. A Balance Responsible Party and/or Supplier is not registered.
45G	Unknown party identification. The identification of at least one party is unknown.
46G	Unknown location identification. The identification of a lease location is unknown.
47G	Incomplete period. At least one of the periods in the message contains incomplete information.
50G	Message already accepted. A more recent version of this message has already been accepted.
61G	Invalid message sender. The identification of the message sender if issuer_MarketParticipant.identification is invalid.

62G	Invalid unit of measurement. At least one of the units of measurement in the message is invalid.
63G	No counterparty nomination received. No nomination has been received from the counterparty.
64G	Mismatch. A difference has occurred between two data strings.
65G	Insufficient capacity for transfer. The amount of capacity identified in the System Operator system is insufficient for the transfer.
66G	Invalid contract. The contract identified is invalid.
67G	Unknown account. The account is unknown.
68G	Other. One or more problems that have not been specifically coded have been identified. A textual explanation is provided.
69G	Programme balance incorrect The programme does not conform to the applicable rules for being balanced. (Code to be deprecated)
71G	Volume pre-arranged The volumes are rearranged (pre rearrangement) for hours where the damping was not correct, (Code to be deprecated)
72G	Volume post-arranged The Transport Programs with a mismatch are rearranged for the remaining volumes of that hour. (Code to be deprecated)
73G	Mismatch and volume post-arranged Combination of Mismatch (zero-rule) and volume post rearranged (Code to be deprecated)
74G	Damping not ok, mismatch and volume post rearranged Combination of Damping not ok, mismatch and volume post rearranged (Code to be deprecated)
75G	The currency is not valid. An invalid currency is used.
76G	No valid lead time. The lead time is not allowed.
77G	No valid quantity. The quantity is not according contractual agreements.
78G	The counter-party is missing. The account identification of the counter-party is missing.
81G	The type of Transport Program is not allowed The type of Transport program is not valid for this party (Code to be deprecated)
82G	Contractually binding. The confirmed quantity is contractually binding and can only be amended by a bilaterally agreed re-nominated quantity.
83G	Contractually binding quantities maintained. The previously confirmed contractually binding quantity is maintained since no counterparty renomination has been successfully matched.
84G	Detail accepted, mismatch elsewhere. This detail is processed and accepted, however a mismatch has occurred elsewhere in the chain of programmes. (Code to be deprecated)
85G	Network not congested. The network has no identified congestion points.
86G	Network congested. The network is currently congested.

87G	Network risk of congestion. The network is currently not congested but there is a strong risk of congestion.
88G	Quantity reduced. The quantity has been reduced due to network congestion.
89G	System Operator request. The request is being made by the System Operator.
90G	Confirmed. The message was confirmed.
91G	Rejected The message was rejected.
92G	Incorrect accounts Message accepted, but the accounts for the Clearing Platform Responsible(s) were removed from the message.
93G	Validation parameters not available Message accepted, but the validation parameters are not yet available.
94G	Balance Responsible Party's removed The following missing Balance Responsible Party's on NOMAUT are removed with period in the future.
95G	Changes in the past ignored Message accepted, but changes in the past are ignored.
96G	Balance Responsible Party's added The following missing Balance Responsible Party's on NOMAUT are added with current gas day as end date.
97G	Unknown account pairs. There are unknown account pairs on the received DELORD* message.
98G	Balance Responsible Parties are known. Both Balance Responsible Parties are known for the following account pairs on the received DELORD* message.
99G	No Nomination Authorization. There is no active Nomination Authorization for the following account pairs on the received DELORD* message.
01H	Transport program accepted with remarks. Transport program accepted with remarks, damping parameters not yet available. (Code to be deprecated)
02H	Accepted, received after deadline. The message has been accepted but only the (changed) values on or after the deadline are accepted. Any (changed) values before the deadline are ignored.

2.2.23 ReferenceCodeTypeCodeList

Code qualifying a reference.

2.2.23.1 List of Attributes

Name	Notes
ACW	Reference number to previous message. Reference number assigned to the message which was previously issued.
CT	Contract reference. Reference number of a contract concluded between parties.
Z14	Category. The reference of a category of profile.
Z17	Assignment. Specifies that the nature of the trade referred to is an assignment, where the receiver of the product is contractually substituted for the holder of the product. All rights are transferred to the receiver and payment for the product transferred is to be made by the receiver. In case of an assignment of transportation capacity, the product referred to is that transportation capacity.
Z18	Transfer. Specifies that the nature of the trade referred to is a transfer, where the usage rights of a product is transferred from the holder of that usage rights to the receiver of the usage rights. The contractual rights

	including payment and credit obligations do not transfer and stay with the original holder (owner) of the product. In case of a transfer of transportation capacity, the product referred to is that transportation capacity.
ZSC	Service Contract. Specifies that the contract referred to is a service type of contract; a contract between one or more companies providing a service and one or more companies using that service. For instance a contract offering flexibility services.
ZSD	Normal product auction identification. The contract being referenced identifies a normal product auction.
ZSE	Reverse product auction. The contract being specified referenced identifies a reverse product auction.
ZSF	Buy-back capacity. An indication that a request is being made to buy back capacity from the market.
ZSG	Flow commitment. An indication that a request is being made in order to satisfy a load flow commitment.

2.2.24 ResourceTypeCodeTypeCodeList

Code identifying a type of resource object.

2.2.24.1 List of Attributes

Name	Notes
A01	Offshore pipeline. (This code is managed by ACER).
A02	Transmission system. (This code is managed by ACER).
A03	Storage. (This code is managed by ACER).
A04	Injection. (This code is managed by ACER).
A05	Withdrawal. (This code is managed by ACER).
A06	Gas treatment plant. (This code is managed by ACER).
A07	Regasification plant. (This code is managed by ACER).
A08	Compressor station. (This code is managed by ACER).
A09	Gas production field. (This code is managed by ACER).
A10	Import contract curtailment. (This code is managed by ACER).
A11	Consumption. (This code is managed by ACER).
A12	Other unavailability. An unavailability not already defined by a code has occurred.

2.2.25 RoleCodeTypeCodeList

Code giving specific meaning to the actions of a party.

2.2.25.1 List of Attributes

Name	Notes
UD	Final Customer. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZAA	Allocation Responsible. Refer to the EASEE-Gas Harmonised Role Model for definition.

ZSH	Balance Responsible Party. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZSO	System Operator. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZTT	Holder. (This code is managed by ACER).
ZTU	Receiver. (This code is managed by ACER).
ZUA	Market Information Aggregator. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUE	Metered Data Responsible. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUF	Capacity Platform Operator A party providing and operating a platform that implements the rules and processes for offering and allocation of all capacity. (ACER managed code, not part of EASEE-Gas Harmonised Role Model)
ZUG	Energy Trading Platform Responsible. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUH	Weather Data Provider. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUJ	Capacity Platform Responsible. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUK	Area Coordinator. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUL	Balancing Energy Price Responsible. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUM	Clearing Responsible. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUN	Distribution System Operator. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUO	LNG System Operator. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUP	Meter Operator. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUQ	Production Facility Operator. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUR	Reconciliation Responsible. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUS	Storage System Operator. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUT	Supplier. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUU	Trader. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUV	Capacity Responsible Party. Refer to the EASEE-Gas Harmonised Role Model for definition.
ZUW	Transmission System Operator Refer to the EASEE-Gas Harmonised Role Model for definition.

2.2.26 StatusCodeTypeCodeList

Code specifying a status.

2.2.26.1 List of Attributes

Name	Notes
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 a first rough measurement and a calculation.
05G	Definitive value. The final or conclusive value.
06G	Mismatch. A mismatch is the result of the application of a matching rule to unequal nominated quantities.
07G	Interrupted. The value is decreased down to the interruptible capacity limit.
08G	Interrupted firm. The value is decreased down to the firm interruptible capacity in the case where no interruptible capacity remains.
09G	Quality deficient. The value is decreased due to the deficient quality of gas.
10G	Reduced Capacity. Confirmed capacity being less than the default capacity due to constraints or maintenance.
11G	Below 100%. The sum of all the balance values in one nomination is not equal to 100%.
12G	Settled. The confirmed quantity can only be amended by a bilaterally re-nominated equal quantity.
13G	Unchanged settled. The confirmed quantity is kept unchanged with respect to the previous confirmed settled quantity, as the counterparty did not re-nominate an equal quantity.
14G	No counter nomination. The counterparty, as indicated in the nomination, did not nominate.
21G	Value estimated by a Balance Responsible Party, after consultation of other parties. Value not measured but estimated and agreed between parties.
22G	Planned. The reason for this status is a planned maintenance.
23G	Unplanned. The reason for this status is other than a planned maintenance.
30G	Interruptible Priority 1. The value is decreased down to the interruptible capacity limit having a priority 1.
31G	Interruptible Priority 2. The value is decreased down to the interruptible capacity limit having a priority 2.
32G	Increased. The setpoint value in the Instruction Response is higher than the setpoint in the Instruction Request.
33G	Decreased. The setpoint value in the Instruction Response is lower than the setpoint in the Instruction Request.
34G	Confirmed. The relevant information has been confirmed.
35G	Counter Party Prevailed. The nomination of the upstream party has prevailed.
36G	No Match counter party prevailed. Mismatch between the nomination and the confirmation based on aggregated matched quantities.
37G	Reduced Nominated Quantity. The nominated quantity is reduced because the sum of all the nominations for a Final Customer exceeds the maximum capacity.
38G	Interruptible Priority 3. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
39G	Interruptible Priority 4. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
40G	Interruptible Priority 5. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it

41G	Interruptible Priority 6. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
42G	Interruptible Priority 7. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
43G	Interruptible Priority 8. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
44G	Interruptible Priority 9. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
45G	Interruptible Priority 10. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
46G	Interruptible Priority 11. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
47G	Interruptible Priority 12. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
48G	Interruptible Priority 13. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
49G	Interruptible Priority 14. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
50G	Interruptible Priority 15. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
51G	Interruptible Priority 16. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
52G	Interruptible Priority 17. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
53G	Interruptible Priority 18. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
54G	Interruptible Priority 19. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
55G	Interruptible Priority 20. Nominations will be reduced in ascending priority order (1 to 20) if market rules allow it
56G	Increased Nominated Quantity. The nominated quantity has been increased to satisfy market rules.
58G	Validated. The information has been validated.
59G	Replacement value. The quantity provided is a replacement value.
60G	Average hourly value. The quantity provided is calculated as an average hourly value.
62G	Active. The entity being described is active.
63G	Cancelled. The entity being described has been cancelled.
64G	Allocated. The entity being described has been allocated.
65G	Not awarded. The entity being described has not been awarded.
66G	Changed. The entity being described has changed.
67G	Market imbalance constraint curtailment. The values have been curtailed because of a constraint due to a market imbalance.
68G	Published. A status indicating that all relevant information has been published.
69G	Unknown market participant. The market participant provided in the message is unknown.
70G	Requested

	The information is being requested for validation.
71G	Rejected The requested information has been rejected.
72G	Reduced to the level of booked capacity. Nomination exceeded the allocated (booked) capacity.
73G	Overnomination not possible. Nomination reduced to the level of allocated (booked) capacity because the overnomination is not possible.
74G	Interruptible conditionally firm. Nomination reduced because the condition for the interruptible conditionally firm capacity is not met.
75G	Correction The quantity provided is a correction.

2.2.27 TransactionCodeTypeCodeList

Code qualifying a reference.

2.2.27.1 [List of Attributes](#)

Name	Notes
A01	Transfer of ownership. The complete ownership of the capacity is transferred.
A02	Transfer of use. The capacity is transferred for nomination use only.
A03	End of day imbalance settlement. A transaction defining the end of day charges due to imbalance.
A04	Hourly overrun penalties. A transaction describing the charges due to non-conformities in respect to hourly balancing rules.
ZSE	Primary capacity. The contract being referenced identifies primary capacity.
ZSF	Primary capacity booking. The contract being referenced identifies a primary capacity booking.
ZSG	Capacity return. The transaction being referenced identifies a capacity return.
ZSH	Marketed capacity return. The transaction being referenced identifies a market capacity return.
ZSI	Given back capacity return. The transaction being referenced identifies a given back capacity return.
ZSJ	Secondary purchase. The transaction being referenced identifies a secondary purchase.
ZSK	Secondary sale. The transaction being referenced identifies a secondary sale.
ZSL	Secondary lease. The transaction being referenced identifies a secondary lease.
ZSM	Capacity reservation. The transaction being referenced identifies a capacity reservation.
ZSN	Capacity revocation. The transaction being referenced identifies a capacity revocation.
ZSO	Capacity revocation sold. The transaction being referenced identifies a capacity revocation sold.
ZSP	Capacity conversion. The transaction being referenced identifies a capacity conversion.
ZSQ	Capacity expansion. The transaction being referenced identifies a capacity expansion.
ZSR	Other types of capacity increase. The transaction being referenced identifies other types of capacity increase.
ZSS	Other types of capacity decrease. The transaction being referenced identifies other types of capacity decrease.

ZST	Planned capacity interruption. The transaction being referenced identifies the capacity that is going to be interrupted for maintenance purposes.
ZSU	Unplanned capacity interruption. The transaction being referenced identifies the capacity that will be reduced an unavailability in the network.
ZSV	Actual capacity interruption. The transaction being referenced identifies the capacity that effectively unavailable.
ZSW	Ascending clock auction. The transaction being referenced identifies an ascending clock auction.
ZSX	Uniform price auction. The transaction being referenced identifies a uniform price auction.
ZSY	First come first served. The transaction being referenced identifies a first come first served process.
ZSZ	Secondary market procedure. The transaction being referenced identifies secondary market procedure process.
ZTA	Over-nomination
ZTB	Open Subscription Window
ZTC	Open season
ZTD	Storage allocation
ZTE	Non-ascending clock pay-as-bid auction
ZTF	Pro-Rata
ZTG	Transfer of gas stock
ZTH	Transfer of injection capacity
ZTI	Transfer of withdrawal capacity
ZTJ	Transfer of inventory capacity
ZTK	Transfer of bundled products

209 2.2.28 TransferCodeTypeCodeList

210 Code identifying a type of transfer on the secondary market.

211 2.2.28.1 List of Attributes

Name	Notes
A01	Transfer of ownership. The complete ownership of the capacity is transferred.
A02	Transfer of use. The capacity is transferred for nomination use only.

212 2.2.29 UnitOfMeasureCodeTypeCodeList

213 Code specifying the unit of measurement in compliance with UN/ECE Recommendation 20.

214 2.2.29.1 List of Attributes

Name	Notes
3B	Megajoule. One million Joules.
BAR	Bar. Bar.
CEL	Celsius. Designating or pertaining to the centigrade scale of temperature on which water freezes at 0 degrees and boils at 100 degrees under standard conditions.
EA	Each. A unit of count defining the number of items regarded as separate units.
GP	Milligram per cubic meter (mg/m³). Unit of volumic mass expressed in Milligrams per cubic meter.
HM1	Million cubic meter per hour.

	Unit of volume displaced expressed in 1000000 m ³ /h.
HM2	Million cubic meter per day. Unit of volume displaced expressed in 1000000 m ³ /d.
JM	Megajoule per cubic meter (MJ/m ³). A million units of electrical energy expressed per cubic meter.
JM1	Megajoule per hour (MJ/h). A million units of electrical energy expressed per hour.
JM2	Megajoule per day (MJ/d). A million units of electrical energy expressed per day.
JM3	TeraJoule/hour. One million joules per hour.
KC1	Kilocalorie per m ³ (kcal/m ³). The quantity of heat required to raise the temperature of one thousand cubic kilograms of water by one degree centigrade.
KC2	Kilocalorie per normal m ³ (kcal/nm ³). The quantity of heat required to raise the temperature of one thousand normal cubic kilograms of water by one degree centigrade.
KMQ	Kilogram per cubic meter (kg/m ³). The weight of one kilo per cubic meter.
KW1	Kilowatt hour per hour (kWh/h). 1000 watts an hour per hour.
KW2	Kilowatt hour per day (kWh/d). 1000 watts an hour per day.
KW3	Kilowatt hour per cubic meter (kWh/m ³). 1000 watts per cubic meter of volume.
KWH	Kilowatt hour (KWh). 1000 watts an hour - unit of heat - equal to 3,6 Megajoules.
MAW	Megawatt. 10 ⁶ Watt.
MOL	Mole %. That percentage of a given substance having a mass in grams numerically the same as its molecular or atomic weight.
MPA	MegaPascal (MPa). A million units of pressure (a unit of pressure is equal to one newton per square meter).
MQ5	Normal cubic meter (nm ³). The volume of a normal cubic meter.
MQ6	Normal cubic meter per hour (nm ³ /h). The volume of a normal cubic meter per hour.
MQ7	Normal cubic meter per day (nm ³ /d). The volume of a normal cubic meter per day.
MQH	Cubic meter per hour (m ³ /h). The volume of a cubic meter per hour.
MTQ	Cubic meter (m ³). The volume of a cube with edges one meter in length.
MTR	Meter (m). The fundamental unit of length in the metric system, defined as equal to the distance travelled by light in free space in 1/299,792,458 second
MWZ	Megawatt hours per day. A million watt hours per day.
P1	Percent. A proportion (of a part to the whole, of a change to the original, or of interest to principal): by the hundred.
R9	Thousand cubic meter. 1000 m ³ .
TQ6	Thousand normal cubic meter per hour. 1000 nm ³ /h.

TQ7	Thousand normal cubic meter per day. 1000 nm ³ /d.
TQD	Thousand cubic meter per day. 1000 m ³ /d.
TQH	Thousand cubic meter per hour. 1000 m ³ /h.
VPC	Volume percentage (Vol-%). The percentage of volume of an object.
GM1	GWh/h Gigawatt hours per hour.
GM2	GWh/d Gigawatt hours per day.
GWH	Gigawatt hour (GWh). 10 to the power of 9 W x h.
A01	Di-Hydrogen. A colourless, highly flammable element, that occurs as a diatomic molecule, H ₂ .
A02	Kilowatt hour per month (kwh/m). The unit of measure representing a kilowatt hour per month.
A03	Kilowatt hour per quarter (kwh/q). The unit of measure representing a kilowatt hour per quarter.
A04	Kilowatt hour per year (kwh/y). The unit of measure representing a kilowatt hour per year.
A05	Kilowatt hour per duration (kwh/duration). The unit of measure representing a kilowatt hour per specified duration.
A06	Litres (L) A metric unit of capacity, defined as the volume of one kilogram of pure water under standard conditions.
A07	Parts per million (PPM Mass) A weight to weight ratio used to describe concentrations. Parts per million (ppm) is the number of units of mass of a contaminant per million units of total mass.
A08	Parts per million (PPM Vol) Parts per million (ppm) is the number of units of volume of a contaminant per million units of total volume.
A09	Parts per million (PPM Mol) Parts per million (ppm) is the number of units of mol of a contaminant per million units of total mol.
A10	PA (Pascal) One pascal is equivalent to 1 newton (N) of force applied over an area of 1 square meter (m ²).
A11	K (Kelvin) Kelvin is the Standard International (SI) unit of thermodynamic temperature. One kelvin is formally defined as: 1/273.16 (3.6609 x 10 ⁻³) of the thermodynamic temperature of the triple point of pure water (H ₂ O).
A12	Mass percentage (Mass-%). The percentage of mass of an object.
A13	Tonnes A metric unit of mass, defined as 1000 kilograms.
A14	Kg A metric unit of mass defined as 1000 grams.
KW4	Kilowatt hour per kilo gram (kWh/kg) 1000 watts per hour per kilo gram of mass.
A15	Kg/h Kg per hour

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3 Document Change Log

3.1.1 Version

3.1.1.1 List of Attributes

Name	Notes
Version 1 2020-06-29	Initial release.
Version 2 2021-07-02	Release 6.1. Corrected code 68G in reasonCodeTypeList which had an incorrect extra space in the code. Renamed ReasonCodeType 90G and 91G to Rejected and Confirmed. Added two new MeterologicalPropertyCodes for temperature and wind direction. Added new documentType codes for Load Forecast and Load Forecast Confirmation process.
Version 3 2022-02-08	Release 6.1. Added deprecated reason codes (69G, 71G, 72G, 73G, 74G, 81G, 84G) for the load forecast process. Added new business codes for system operation documents. Added new transaction codes for system operation documents. Added new reason codes for DELORD validations (97G, 98G, 99G) Added new reason code for transport program validation (01H)
Version 4 2022-04-08	Updates for document type codes for new System Operation documents. New codes for REMIT requested by ACER - RoleCode: Added ZUF - ProcedureCodeType. Added A05 and A06. Updated descriptions. - TransactionTypeCode. Added ZTF,ZTG,ZTH,ZTI,ZTJ,ZTK
Version 5 2022-10-19	- Deprecate reason code 48G from the ReasonCodeTypeCodeList. - Updated the 16G definition in the BusinessCodeTypeCodeList - Included ZTG – ZTK in the TransactionCodeTypeCodeList - Updated the description for the codes ZVC, ZVR and ZEC in the PhysicalPropertyCodeTypeList - Updated the text for the codes 38G-55G in the StatusCodeTypeCodeList - Updated from A01 to ACE in the CodingSchemeCodeTypeCodeList - Updated the descriptions for A08 – A13 in the UnitOfMeasureCodeTypeCodeList - Updated the 18G definition in the BusinessCodeTypeCodeList
Version 6 2023-10-27	Added 02H to ReasonCodeTypeList
Version 7 2024-08-05	Corrected definition of unit 3B in UnitOfMeasureCodeTypeCodeList Added new units (A13, A14, KW4) in UnitOfMeasureCodeTypeCodeList Added new codes (ZED, ZEE) in PhysicalPropertyCodeTypeCodeList Updated definitions for 12G and 18G in the BusinessCodeTypeCodeList
Version 8 2025-01-14	Added new codes (ZRA, ZRB, ZRC, ZRD, ZRE) to ChemicalCompoundCodeTypeList Added new code A15 to UnitOfMeasureCodeTypeCodeList Added new codes (ZYL, ZYM, ZYN) to QuantityCodeTypeCodeList