

<u>EASEE-gas/Edig@s CODE LISTS FOR VERSION 5 IMPLEMENTATIONS</u>
Complete compilation of Edigas Code Lists used in the development of version 5 Edigas XML Documents
Current Version: 23, Current Release: 0, Release date: 2018-08-27

Modification date	Code List	Changes
2013-06-16		
	All	Initial release
2013-11-26		
	QuantityNatureTypeList	Added ZXO
	QuantityTypeTypeList	Added ZXT, ZXU, ZXV
2013-12-56		
	ReferenceTypeList	Added ZSF, ZSG, ZSH, ZSI, ZSJ, ZSK, ZSL, ZSM, ZSN, ZSO, ZSP, ZSQ
	BusinessTypeList	Added ZEO, ZEP, ZEQ, ZER, ZES, ZET, ZEU, ZEV, ZEW, ZEX, ZEY, ZEZ, ZFA, ZFB, ZFC, ZFD, ZFE, ZFF
	StatusTypeList	Added 66G
	QuantityTypeTypeList	Added ZXW, ZXX, ZXY, ZXZ, ZYA, ZYB, ZYC
	DocumentTypeList	Added ANL
	PriceTypeList	Added Z05, Z06
2014-01-13		
	AccountTypeTypeList	Deleted ZOA, ZOB Added ZOD, ZOE, ZOF
	AvailabilityTypeList	Created list Deleted Z01, Z02, Z03, Z04 Added Z05,Z06, Z07, ZEQ, ZER, ZES, ZET, ZEU, ZEW, ZEX, ZEY, ZEZ, ZFA, ZFB
	BusinessTypeList	Added Z01, Z02, Z03, Z04, Z05, Z12, Z15, ZEO, ZEP, ZEY, ZEZ, ZFA, ZFC
	ReferenceTypeList	Added ZSF, ZSG, ZSH, ZSI, ZSJ, ZSK, ZSL, ZSM, ZSN, ZSO, ZSP, ZSQ
	CategoryTypeList	Deleted
	CapacityTypeList	Created List Added ZEO, ZEP
	CharacteristicTypeList	Deleted Y, N, C, M Added 66G
	DocumentTypeList	Deleted 19G, 20G, 55G, 88G, 89G, 90G, 91G, 97G, 98G, 99G, ABG, ACG,ADG, AMH, AMI, ANE, ANF Added ANG, ANH, ANI, ANJ, ANK, ANL
	GasDirectionTypeList	Deleted ZPB, ZPC, ZPW, ZPX, ZPY, ZPZ
	ItemTypeTypeList	Deleted list
	SpanTypeList	Created List Added ZEJ, ZEK, ZEL, ZEM, ZEN
	MeasurementTypeTypeList	Deleted Z17, Z18, Z22, Z23, Z24
	PriceTypeList	Created list Added Z01, Z02, Z03, Z04, Z05, Z06
	QuantityTypeTypeList	Deleted ZPB, ZPC
	QuantityNatureTypeList	Added ZXO

	ReferenceTypeList	Added ZSD, ZSE
	TransactionTypeList	Created list Added ZSF, ZSG, ZSH, ZSI, ZSJ, ZSK, ZSL, ZSM, ZSN, ZSO, ZSP, ZSQ, ZSR, ZSS
	ReservationTypeList	List deleted
	RoleTypeList	Deleted SU, ZES, ZHC, ZRO, ZSR, ZSU, ZSV, ZSW, ZSX, ZTS, ZSZ, ZTW, ZUB, ZUC
	StatusTypeList	Deleted 25G, 26G, 27G, 28G, 29G Added 66G
	StatusCategoryTypeList	Deleted 02G, 03G, 08G
2014-02-23		
	AvailabilityTypeList	Added ZFC
	SpanTypeList	Deleted Z01, Z02, Z03, Z04, Z05,Z06, ZEI, ZEO, ZEP
	QuantityTypeTypeList	Deleted 1, 265, 12G, 13G, ZA2, ZA4, ZA5, ZA6, ZA7, ZA8, ZA9, ZAR, ZAS, ZBM, ZBQ, ZCA, ZCB, ZCE, ZGF, ZN, ZPW, ZPX, ZPY, ZPZ, ZWN, ZWP, ZWQ, ZXJ, ZXK, ZXL, ZXM Added ZYD, ZYE
	QuantityNatureTypeList	Deleted ZXD, ZXE, ZXF, ZXG, ZXH, ZXI, Added ZXW, ZXX, ZXY, ZXZ, ZYA, ZYB, ZYC, ZYD, ZYE
2014-05-14		
	RoleTypeList	Added ZSZ
2014-06-17		
	CharacteristicTypeList	Added GMN
	EnergyProductType	Added A01, A02
	CapacityMarketType	Added A01, A02
	CountryType	Added FRA, BEL
	ProcedureType	Added A01, A02, A03, A04
	TransactionType	Added ZSF, ZSG, ZSI, ZSJ, ZSK, ZSL, ZSM, ZSN, ZSO, ZSP, ZSQ, ZSR, ZSS
2014-10-29		
	StatusTypeList	Added 67G
2014-12-02		
	TransactionTypeList	Added ZST, ZSU, ZSV, ZSW, ZSX, ZSY, ZSZ
	AvailabilityTypeList	Added ZFD
	PriceTypeList	Added Z07, Z08
	BusinessTypeList	Added ZFD
2014-12-31		
	TransactionTypeList	Added ZSE
2015-01-29		

	DocumentTypeList	Added ANM
	EnergyProductTypeList	Added HC1, LC1; Deprecated A01, A02
2015-02-15		
	CodingSchemeTypeList	Added A01
2015-05-04		
	AvailabilityTypeList	modified Z01, Z02, Z03, Z13, ZFA, ZFB
	BusinessTypeList	modified Z15
	DocumentTypeList	modified AMO, AMP, AMQ, AMR, AMS, AMT, AMU, AMW, AMY, ANC, AND, ANG, ANH, ANI, ANJ, ANK, ANL
	NominationTypeList	modified A01, A02
	SettlementTypeList	modified A01, A02
2015-05-05		
	CodingSchemeTypeList	Added 332 deleted 331
2015-06-22		
	BusinessTypeList	Modified Z12
	DocumentTypeList	Modified AMV; AMX; AMZ; ANA; ANB; ANM
	RoleTypeList	Modified ZUF; ZUG
2015-08-24		
	UnitOfMeasureTypeList	Added A01
2015-10-07		
	BusinessTypeList	Added ZFE, ZFF, ZFG
	DocumentTypeList	Added ANN, ANO
	PriceTypeList	Added Z09, Z10
	QuantityTypeTypeList	Added ZYF, ZYG
2016-01-05		
	BusinessTypeList	Deleted ZFE; Added ZFH, ZFI
	PriceTypeList	Added Z11; Z12, Modified Z10
	RoleTypeList	Added ZUK
	UnitOfMeasureTypeList	Added A02; A03; A04; A05
2016-01-28		
	TransactionTypeList	Added ZTA, ZTB, ZTC, ZTD, ZTE
2016-03-02		
	CodingSchemeTypeList	Added A01
	DocumentTypeList	Added: ANP, ANQ, ANR, ANS, ANT, ANU
	ReferenceTypeList	Added: ZSF, ASG
	StatusTypeList	Added: 68G
2016-11-09		
	ReasonTypeList	Modified 23G

2017-09-21		
	TransferTypeList	Added A01; A02
2018-02-15		
	BusinessTypeList	Added Z40; Z41
2018-08-27		
	DocumentTypeList	Added ANV
	BusinessTypeList	Modified Z40; Added Z42; Z43

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1 StandardAccountDirectionTypeList, Identification of an account movement

StandardAccountDirectionTypeList	Identification of an account movement	Code qidentifying the direction of an account movement
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
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.
ZPS	Credit quantity outside limits	The credit quantity that is outside the contractually defined upper limit
ZPT	Credit quantity inside limits	The credit quantity that is inside the contractually defined upper limit
ZPU	Debit quantity outside limits	The debit quantity that is outside the contractually defined lower limit
ZPV	Debit quantity inside limits	The debit quantity that is inside the contractually defined lower limit

2 StandardAccountTypeTypeList, Account type qualifier

StandardAccountTypeTypeList	Account type qualifier	Code giving specific meaning to an account.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
ZOC	Internal account	The account identification known to a System Operator
ZOD	Supplier account	The account is for a supplier
ZOE	Shipper account	The account is for a shipper
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.
ZUD	Virtual account	The account used by a System Operator to identify specific information not related to a party.
ZUI	Total market	An account describing the total netted position of a market

3 StandardAvailabilityTypeList, Availability type qualifier

StandardAvailabilityTypeList	Availability type qualifier	Code giving specific meaning to the availability of capacity.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
Z01	Working volume	The volume of gas available in a facility at a particular time.
Z02	Injectability capacity	The amount of gas that can be injected into a storage facility for a given period .
Z03	Deliverability capacity	The amount of gas that can be delivered (withdrawn) from a storage facility for a given period.
Z04	Available total firm capacity	The total quantity of the firm capacity that is available.
Z05	Interruptable (booked)	Interruptible capacities allow transports in a whole market area and access to its virtual trading point on a interruptible basis
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.
ZEQ	Freely available allocable capacity (FZK)	Freely available allocable capacities allow transports within a whole market area and access to its virtual trading point without any limits.
ZER	Capacity with capacity allocation restrictions and capacity usage restrictions (bFZK)	a capacity product which offers a shipper the possibility use of a part of capacity within a TSO's network on a firm basis within

		certain temperature restrictions and a part on interruptible basis to the virtual trading point
ZES	Restricted-allocable capacity (BZK)	Restricted-allocable capacities cannot be freely allocated due to physical reasons; the use of virtual trading point is not possible
ZET	Dynamically allocable capacity (DZK)	DZK are firm capacities in case of balanced transport between entry and exit capacities and only interruptible by use of virtual trading point
ZEU	Temperature related and restricted capacity (TAK)	a capacity product which could be used on firm or interruptible basis within a certain range of temperature
ZEW	published technical capacity	The product is published technical capacity
ZEX	Servitude gas	This identifies gas used for servitude purposes (technological).
ZEY	Operational TSO usage	Gas used by the TSO for operational purposes such as start of compression, linepack, cushion...
ZEZ	Gas in kind	Gas used by the TSO to physically flow the gas requested by the shipper.
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.
ZFD	Available total interruptible capacity	The total quantity of the interruptible capacity that is available.

4 StandardBusinessTypeList, Identification of the business meaning of an item

StandardBusinessTypeList	Identification of the business meaning of an item	Code specifying the business meaning of an item
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
12G	Accepted by SO	This status is used to qualify nominations from a shipper that have gone successfully through all the necessary controls and has been accepted by the System Operator. Depending on the TSO, the result of those different controls can lead to a modification of the quantities or to a partial or complete rejection of the nomination message.
13G	Accepted by adjacent SO	This status is used to qualify nominations from a shipper that have gone successfully through all the necessary controls and has been accepted by the adjacent System Operator. Depending on the TSO, 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 shipper that may have been modified by the System Operator taking into account any physical calculation, capacity constraint, balancing obligations, etc.
15G	Processed by adjacent SO	This status is used to define nominations from a shipper that may have been modified by the adjacent System Operator taking into account any physical calculation, capacity constraint, balancing obligations, etc.
16G	Confirmed	This status is used to qualify quantities after the application of the lesser of rule to the mirrored

		quantities which have been previously processed by the respective System Operators on their own side of the flange.
17G	Nominated by document receiver	This status is used to qualify nominations from an exchanged trader that have gone successfully through all the necessary controls and has been accepted by the System Operator
18G	nominated by counter party	This status is used to qualify nominations from the counter exchanged trader that have gone successfully through all the necessary controls and has been accepted by the System Operator
Z01	Allocated	Amount of energy attributed by a System Operator or by an Allocation Agent to its shippers at a connection point
Z02	Nominated	Value given by a Shipper/Trader 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
Z05	Forecast	Estimated value of gas
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 timeseries concerns the projected closing line pack
ZFG	Consumption	The timeseries concerns consumption
ZFH	Metered consumption	The timeseries concerns metered consumption
ZFI	Profiled consumption	The timeseries concerns profiled consumption
Z40	Correction for imbalance.	The timeseries 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 timeseries 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 timeseries 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 timeseries 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.
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5 StandardCapacityMarketTypeList, Capacity Market type

StandardCapacityMarketTypeList	Capacity Market type	Code identifying a type of capacity market.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
A01	Primary market	The market is a primary capacity market.
A02	Secondary market	The market is a secondary capacity market.

6 StandardCapacityTypeTypeList, Identification of a type of capacity

StandardCapacityTypeTypeList	Identification of a type of capacity	Code identifying a given type of capacity
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
ZEO	Bundled	The product is bundled
ZEP	Unbundled	The product is unbundled

7 StandardCharacteristicTypeList, Characteristic description code

StandardCharacteristicTypeList	Characteristic description code	A code specifying a characteristic.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
GGV	Yearly offtake > 1.000.000 m3 hourly measured	end user whose yearly offtake > 1.000.000 m3 hourly measured
GKV	Yearly offtake < 170.000 m3, hourly measured	End user whose yearly offtake < 170.000 m3, hourly measured
GIN	Yearly injection ≤ 1.000.000 m3 hourly measured	End user whose yearly injection is ≤ 1.000.000 m3, hourly measured

GIS	Yearly injection \$gt; 1.000.000 m3 hourly measured	End user whose yearly injection os > 1.000.000 m3, hourly measured
G1A	Yearly offtake < 5.000 m3	End user whose yearly offtake < 5.000 m3
G2A	5.000 m3 <= yearly offtake < 170.000 m3 and pbt < 750 hrs	End user where 5.000 m3 <= yearly offtake < 170.000 m3 and pbt < 750 hrs
G2B	5.000 m3 <= yearly offtake < 170.000 m3 and 750 hours <= pbt < 1500 hours	End user where 5.000 m3 <= yearly offtake < 170.000 m3 and 750 hours <= pbt < 1500 hours
G2C	5.000 m3 <= yearly offtake < 170.000 m3 and pbt >= 1500 hours	End user where 5.000 m3 <= yearly offtake < 170.000 m3 and pbt >= 1500 hours
GXX	170.000 m3 <= yearly offtake < 1.000.000 m3 hourly measured	End user where 170.000 m3 <= yearly offtake < 1.000.000 m3 hourly measured
GMN	DSO net losses	The difference between the TSO gas allocation to a DSO and the DSO's end user allocations

8 StandardCodingSchemeTypeList, Code list responsible agency code

StandardCodingSchemeTypeList	Code list responsible agency code	Code specifying the agency responsible for a code list.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
9	GS1	GS1 (formerly EAN International), an organisation of GS1Member Organisations, which manages the GS1 System.
305	Assigned by ETSO (EIC)	Code assigned by the European Transmission System Operators (ETSO) according to the ETSO Identification Coding Scheme (EIC).
321	Assigned by Edig@s Workgroup	Code assigned by Edig@s Workgroup.
332	Assigned by DVGW	Code assigned by DVGW.
A01	Assigned by ACER	Code assigned by ACER.
A02	Assigned by Auction	Code assigned by the Auction

	Office	Office.
ZSO	Assigned by System Operator	Code assigned by the System Operator.
ZZZ	Mutually agreed	Code has been agreed by the parties involved.

9 StandardCountryTypeList, Code list Country code

StandardCountryTypeList	Code list Country code	Code identifying a country.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
FRA	France	France
BEL	Belgium	Belgium

10 StandardCurrencyTypeList, Currency code

StandardCurrencyTypeList	Currency code	List of international ISO 4217 currency codes.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
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
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.
SKK	Slovak Koruna	The legal tender of Slovakia
SIT	Slovenian Tolar	The legal tender of Slovenia
USD	US Dollar	The legal tender of the USA

11 StandardDocumentTypeList, Document type code

StandardDocumentTypeList	Document type code	Code specifying the document type.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
294	Application error and acknowledgement	message used by an application to acknowledge reception of a message and/or to report any errors.
01G	Nomination	message used by a Shipper to nominate the quantities to be transmitted within the stated period.
07G	Matching notice	Message sent by a System Operator to communicate to the Shipper his accepted nomination as well as the one of the counter shipper
08G	Confirmation notice	Message sent by a System Operator to confirm the quantity that may be transmitted and to inform about the quantity processed by the counter System Operator
12G	Changed capacity	message to advise a party about a changed capacity situation.
14G	Imbalance notification	message to advise a Shipper, System Operator or Supplier about an imbalance situation.
16G	Reconciliation notification	message to advise a Shipper, System Operator or Supplier about a reconciliation situation.
25G	Pre-matching notice	A message exchanged between two System Operators to inform each other about accepted nominations at this connection point
26G	callup notice	A message 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

		shipper nominated values matching results.
30G	Availability forecast	A non binding operational document issued by the seller or service provider to advise the buyer or service user about the forecasted maximum and minimum availability of natural gas.
35G	Offtake Forecast (non binding)	An operational document issued by the buyer or service user to advise the seller or service provider about the forecasted quantity he intends to request. Information exchanged in an offtake forecast is non-binding.
38G	Offtake Notice (binding)	An operational document issued by the buyer or service user to advise the seller or service provider about the quantity he formally requests. Information exchanged in an offtake notice is binding.
41G	Request Response	An operational document issued by the seller or service provider to advise the buyer or service user about the quantity he will make available or take off at the requested location(s). Information exchanged in a sellers' request confirmation is binding.
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 the 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 from a System Operator to report on or to reset the position of an account.

95G	Provisional allocation report	Message from a System Operator to report the allocation non validated and sent before the start of the second period after the period in question
96G	Definitive allocation report	Message from a System Operator to report the allocation validated and sent not later than ten working days after the delivery month in question
AAG	System Operator Schedule	A message to announce the quantities that are planned for delivery within a specified period at a connection point located inside of a market area. This schedule has a non-binding character.
AEG	Operational Instructions	an instruction sent by the System Operator to a plant operator to provide instructions for the operation of the plant.
AFG	Instruction response	an instruction reply sent by the plant 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 the seller or service provider to advise the buyer or service user about the maximum and minimum availability of natural gas or a service.
AHG	Transfer notification	An operational document issued by the holder and/or receiver of rights to inform the system operator about the transfer of those rights.
AIG	Instruction forecast	an instruction sent by the System Operator to a plant operator to provide forecasted instructions for the operation of the plant.
ALG	Instruction confirmation.	A confirmation to an instruction response containing the confirmed values that will be taken into consideration.
AOG	Operational Balancing	A document that provides the

	Agreement (OBA)	Operational Balancing Agreement Position between System Operators
APG	Account synchronisation	A document that provides synchronisation data for accounts
ALH	Trade program.	Forecast of Program Responsible Party trades.
ALI	Entry program.	Forecast of Program Responsible Party input programs.
ALJ	Exit program.	Forecast of Program Responsible Party output programs.
ALK	Trade Confirmation.	Confirmation of the forecast of Program Responsible Party trades.
ALL	Entry confirmation.	Confirmation of the forecast of Program Responsible Party input programs.
ALM	Exit confirmation	Confirmation of the forecast of Program Responsible Party output programs.
ALN	Bid	A tender by a party offering a service.
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	Balancing Agreement	The document identifying the balancing agreement that has been contracted between two parties.
ALV	Balancing Anomaly	The document identifying

		anomalies that have occurred in the matching of two balancing agreements.
ALW	Balancing Confirmation	The document confirming that the balancing agreement between two parties has been confirmed.
ALX	Imbalance limits document	The document providing imbalance limits to be respected.
ALY	Limits of supply document	The document providing limits of supply to be respected.
ALZ	Limits of off-take document	The document providing limits of off take to be respected.
AL1	Gas Requirements Declaration document	The document providing a declaration of gas requirements.
AL2	Gas Requirements Confirmation document	The document 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 purchaser to inform potential sellers gas requirements for a period.
AMB	Sales Offer	An operational document issued by a seller to inform a purchaser of the quantity of gas available for sale.
AMC	Purchase confirmation	The confirmation of the offer proposed in the identified

		OFFRES document
AMD	Offtake confirmation	The confirmation of the offtake proposed in the identified OFFRES document
AME	Proposed commercial capacity	The confirmation of the offtake proposed in the identified OFFRES document
AMF	Agreed commercial capacity	The confirmation of the offtake proposed in the identified OFFRES document
AMG	Total available capacity	The confirmation of the offtake proposed in the identified OFFRES document
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 to provide information about transfers on the secondary market
AMO	Flexible services request document	Gas Trading request document that contains both buying and selling gas positions.
AMP	Time swap document	Gas Trading request document that contains a fixed location, but different time periods.
AMQ	Location swap document	Gas Trading request document that contains a fixed time, but different locations.
AMR	Flexible request confirmation document	Gas Trading response document that contains both buying and selling gas positions.
AMS	Timeswap swap confirmation document	Gas Trading response document that contains a fixed location, but different time periods.
AMT	Location swap confirmation document	Gas Trading response document that contains a fixed time, but different locations.
AMU	Technical	Document that is sent in case

	acknowledgement	where a received message cannot be processed by the system.
AMV	System Operator offered capacity document	Document submitted by a System Operator to an Auction Office containing the capacity to be auctioned
AMW	Auction Office validated offered capacity	DEPRECATED - No Longer used
AMX	Offered capacity for auction document	Document submitted by an Auction Office to System Operators and Network Users containing the capacity that will be offered for auction.
AMY	Additional capacity	DEPRECATED - No Longer used
AMZ	Total requested capacity	DEPRECATED - No Longer used
ANA	Network User allocated capacity document	Document transmitted after an auction by an Auction Office to a Network User providing the information containing the quantity and price allocated according to the given auction process.
ANB	Auction results (aggregated for Network Users; detailed for System Operators) document	Document transmitted by an Auction Office to a System Operator with detailed auction results (Network User allocations) or to a Network User with aggregated auction results.
ANC	Forwarded single sided nomination	A nomination received by the active TSO and forwarded to the passive TSO.
AND	Interruption notice	Document providing the potential interruption impacting at least interruptible capacities.
ANG	Contract Market Monitoring Document.	Document used for providing contractual market information
ANH	Nomination Assignment document	Document used to provide definitive balance group information for nominations
ANI	Capacity Allocation information	Document used for providing capacity allocation information
ANJ	Nomination and allocation information	Document used for providing of nomination and allocation

		information
ANK	Physical flow information	Document used for providing of physical flow information
ANL	Storage / LNG limits	Document used by Storage/LNG SO for providing current storage levels and storage capacity.
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 Shipper to inform a System Operator that the Shipper 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 market participant to surrender capacity that has previously been allocated to him.
ANQ	Surrendered capacity sale results.	A message sent by a System Operator informing a market participant of the results of an auction where surrendered capacity has been on offer.
ANR	Network User credit limits.	A message sent by a System Operator providing credit limit information concerning a network user.
ANS	Credit limits used by Network Users.	A message sent by an auction office providing the credit limit situation of a network user.
ANT	Detailed auction results for System Operators.	A message sent by an auction office providing the detailed results of an auction.
ANU	Reverse auction request	A message sent by a System Operator requesting the setup of a reverse auction.
ANV	Surrender capacity document retransmission	A message sent by an Auction Office to a System Operator providing Surrender Capacity Documents that have been received.

12 StandardEnergyProductTypeList, Energy product gas level

StandardEnergyProductTypeList	Energy product gas level	Code identifying a gas level of an energy product.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
A01	H Gas - Deprecated please use code HC1	A gas containing more than 90% of méthane (H = High calorific).
A02	L Gas - Deprecated please use code LC1	A gas containing less than 60% of méthane (L = Low-low calorific).
HC1	H Gas	A gas containing more than 90% of méthane (H = High calorific).
LC1	L Gas	A gas containing less than 60% of méthane (L = Low-low calorific).

13 StandardGasDirectionTypeList, Identification of the direction of a gas flow

StandardGasDirectionTypeList	Identification of the direction of a gas flow	Code identifying the direction of a gas flow
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
Z02	Input quantity	Quantity of gas on the inlet side.
Z03	Output quantity	Quantity of gas on the outlet side.

14 StandardIndicatorTypeList, Defines a binary indicator

StandardIndicatorTypeList	Defines a binary indicator	This defines a binary indocator of the nature true/false; yes/no; etc..
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
01G	Yes	The indication is true or yes.
02G	No	The indicator is false or no.

15 StandardMeasurementTypeTypeList, Identification of the type or position of a measurement unit

StandardMeasurementTypeTypeList	Identification of the type or position of a measurement unit	Code identifying the type or position of a measurement unit.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
Z19	Connection point	A physical or virtual location where gas is exchanged between two or more parties, e.g. between a transit operator and a storage operator, a transit operator and an end-user, a transit operator and a hub customer or between hub customers.
Z21	Route	The connection between a source point and a destination point.
Z25	Transmission System Interface	A point interfaces with a transmission system
Z26	Market area interface	A point 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
Z99	No location specified	Indication that the location is not relevant for the following data.

16 StandardNominationTypeList, Nomination type

StandardNominationTypeList	Nomination type	Code identifying the type of nomination.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
A01	Single sided nomination	A nomination submitted by a

		Network user on behalf of both involved parties to only one TSO.
A02	Double sided nomination	A nomination submitted by a Network User to the TSO's with regard to interconnection points.

17 StandardPriceTypeList, Price type qualifier

StandardPriceTypeList	Price type qualifier	Code giving specific meaning to a type of price.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
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
Z06	Reverse	The price represents reverse pricing
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
Z12	Gas quality conversion fee	The price represents the cost of gas conversion (L- to H-gas)

18 StandardProcedureTypeList, Procedure type

StandardProcedureTypeList	Procedure type	Code identifying a type of procedure.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
A01	CFO	Call for orders

A02	FCFS	First come first served
A03	OTC	Over the counter
A04	Sublet	Sublet

19 StandardQuantityTypeTypeList, Quantity type code qualifier

StandardQuantityTypeTypeList	Quantity type code qualifier	Code qualifying the type of quantity.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
DN	Density	The measured density.
DN1	Relative density	The measured relative density.
TC	Temperature	A measurement in relation to temperature.
Z04	Hourly flow rate	Instantaneous volume flow rate, expressed in Nm3 per hour.
ZAQ	Quantity effective	The quantity effectively used.
ZBM	Nominated quantity	The quantity nominated by a system user to a System Operator
ZCA	Hs meter reading	The meter reading of the percentage of H2S in a gas flow
ZCB	Carbonated meter reading	The meter reading of the percentage of CO2 in a gas flow
ZCC	Nitrogen meter reading	The meter reading of the percentage of Nitrogen in a gas flow
ZCD	Relative density meter reading	The meter 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.
ZCE	Allocation quantity	Means the quantity of energy assigned to a shipper portfolio at a network point
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.
ZGK	Realised GCV	The Gross Caloric Value Conversion factor as delivered at the (TSO) Connection Point.
ZGL	Lowest announced GCV	Lowest Gross Caloric Value announced by one of the Shippers at the (TSO) Connection Point.
ZGV	GCV Conversion	Means the factor for the conversion of gas with a certain Gross Calorific Value to gas with a higher or lower Gross Calorific Value based on the definitions from the General Guidelines (for Input and Output)
ZLA	Volume at normal conditions (V _n)	Volume at normal conditions. Value expressed in m ³ . [Rep.: xxx,xxx,xxxR]
ZLB	Volume at 20°C or 293.15K (V _{20°C})	Volume at 20 °C or 293.15 K. Value expressed in m ³ . [Rep.: xxx,xxx,xxxR]
ZN	Nitrogen	A common nonmetallic element that is normally a colorless odorless 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 (O ₂)	A nonmetallic bivalent element that is normally a colorless odorless tasteless nonflammable diatomic gas; constitutes 21 percent of the atmosphere by volume
ZPR	Pressure	The pressure of a gas is the force that the gas exerts on the walls of its container
ZQA	Water dew point	Water dewpoint is defined as the temperature to which the

		gas must be cooled in order for water condensation to begin forming
ZQB	Hydrocarbon dew point	Hydrocarbon dewpoint is the temperature to which the gas must be cooled in order for hydrocarbons to begin to condense
ZQD	CO2 content	The percentage of CO2 in a gas flow
ZQE	Hydrogen sulphide content (H2S)	The percentage of H2S in a gas flow
ZQF	Propane content C3H8	The percentage of C3H8 in a gas flow
ZQG	Ethan Content C2H6	The percentage of C2H6 in a gas flow
ZQH	Methane content CH4	The percentage of CH4 in a gas flow
ZQI	Butane content C4H10	The percentage of C4H10 in a gas flow
ZQJ	Content C6+	The percentage of C6+ in a gas flow
ZQK	Content C5H12	The percentage of C5H12 in a gas flow
ZQN	Mercapthan (C _n H _{2n+1} SH)	The (ethyl) mercapthan is an odorizing agent added to gas to ease the gas leak identification
ZS	Sulphur (S)	An abundant tasteless odorless multivalent nonmetallic element; best known in yellow crystals
ZWI	Wobbe index	The Wobbe index of a gas is defined as the GCV divided by the (s where s is the relative density (air = 1).
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
ZWP	Nomination limit	The limit allowed for nomination
ZWQ	Top daily imbalance limit	The maximum limit allowed for daily imbalance
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. Shipper in debit with TSO) 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.
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. Shipper in debit with TSO) 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.
ZWT	Supply level 1	The level of supply at level 1
ZWU	Supply level 2	The level of supply at level 2
ZWV	Supply level 3	The level of supply at level 3
ZWW	Supply level 4	The level of supply at level 4
ZWX	Supply level 5	The level of supply at level 5
ZWY	Supply level 6	The level of supply at level 6
ZWZ	Supply level 7	The level of supply at level 7
ZXA	Supply level 8	The level of supply at level 8
ZXB	Supply level 9	The level of supply at level 9
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

ZXI	Minimum possible	The quantity is the minimum possible
ZXN	Limits where incentives are not paid	The upper or lower limits where incentives will not be paid
ZXO	bundled quantity individable	the bundled quantity bid cannot be divided.
ZXP	Windspeed expressed in meters per second (msc).	Windspeed expressed in meters per second (msc).
ZXQ	Minimum temperature expressed in degrees celcius	Minimum temperature expressed in degrees celcius
ZXR	Maximum temperature expressed in degrees celcius	Maximum temperature expressed in degrees celcius.
ZXS	Cloudiness expressed in Okta units	Cloudiness expressed in Okta units.
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.
ZXV	Solar irradiance	A combination of bright light and radiant heat.
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. Shipper in credit with TSO) 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. Shipper in credit with TSO) 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 Shipper 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 shipper stock level at the beginning of the period. (by the. Application of a reduction factor to the nominal capacity)
ZXZ	Contractual withdrawal limit	The maximum absolute value of gas quantity that the Shipper has the right to withdraw from a storage. The maximum corresponds to the nominal withdrawal 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 shipper stock level at the beginning of the period (by the. 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 Operator (e.g. maintenances).

ZYC	Reduced withdrawal limit	The contractual withdrawal limit on which a reduction rate had been applied due to physical constraints of the Storage Operator (e.g. maintenances).
ZYD	Operational injection limit	The maximum (and minimum if needed) absolute value of gas quantity that the Shipper 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 correspond to the minimum quantity that has to be injected into the storage, in order to respect the minimum storage. The limits are related to a certain period so they can be Daily, Hourly, etc. Follows specific market rules this quantity depend on the shipper 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 Shipper 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 correspond to the minimum quantity that has to be withdraw 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 depend on the shipper stock level at the beginning of the period.
ZYF	K0 factor	.
ZYG	Stress indicatorr	.

20 StandardQuantityNatureTypeList, The nature of a quantity

StandardQuantityNatureTypeList	The nature of a quantity	Code sidentifying the nature of a quantity.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
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)
Z02	Maximum capacity available	Specifies the maximum capacity the provider of a capacity related service is able to make available for usage.
Z03	Minimum capacity to use	Specifies the minimum capacity the user of a capacity related service has to request for usage.
Z04	mqa - Minimum Quantity Available –for offtake at a location.	Minimum quantity to be offtaken by the buyer at the specified location(Sellers' Minimum Location Delivery Possible)
Z05	Quality deficient gas quantity	The quantity of gas that does not meet the agreed specifications.
Z06	Buyers Destination- Shippers Offtake	The quantity the buyer will take off at a delivery location using a specific destination shipper. This quantity includes quality deficient gas.
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.
Z09	GCV Conversion time	The time series being

	series	described concerns GCV conversion information
Z10	water dew point	The temperature to which a given parcel of gas must be cooled at a constant barometric pressure for water vapour to be condensed into water
Z11	Oxygen Content (O ₂)	The content of oxygen
Z12	Carbon Dioxide Content (CO ₂)	The content of Carbon dioxide
Z13	Hydrogen Sulphide (H ₂ S)	The content of hydrogen sulphide
Z14	Carbon oxide Sulphide (COS)	The content of carbon oxide sulphide
Z15	Mercaptan Sulphur	The content of mercaptan sulphur
Z16	Total Sulphur	The total sulphur content
Z17	Hydrocarbon Dew Point	The temperature at a given barometric pressure at which the hydrocarbon components of any hydrocarbon-rich gas mixture will start to condense into a liquid phase
Z18	Temperature	The temperature of an object
Z19	C1	Content of Methane.
Z20	C2,	Content of Ethane.
Z21	C3	Content of Propane.
Z22	iC4	Content of 2-Methylpropane
Z23	nC4	Content of n-Butane
Z24	iC5,	Content of 2-Methylbutane
Z25	nC5,	Content of n-Pentane
Z26	neoC5	Content of 2,2-Dimethylpropane
Z27	C6	Content of n-Hexane
Z28	C7,	Content of n-Heptane
Z29	C8,	Content of n-Octane
Z30	C9	Content of n-Nonane
Z31	C10+,	Content of n-Decane
Z32	N ₂	Content of noble gasses (Nitrogen, Neon, Helium, Argon etc.)

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.
Z34	Originating shipper 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 shipper that eventually will provide the product related to the service to the provider of the service.
Z35	Destination shipper 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 shipper that eventually will take off the product related to the service from the provider of the service.
Z36	Shippers offtake/delivery	Specifies the quantity of a product that one specific shipper will offtake/deliver from/to another specific shipper at a point.
Z37	Maximum quantity available	The quantity is the maximum quantity that is available
Z38	Minimum quantity available	The quantity is the minimum quantity that is available
Z39	Sellers Destination Shippers purchase	The destination of the quantity for the shippers purchase
ZBQ	Buyer's Request	The quantity requested by the buyer for offtake in line with his contractual rights and obligations towards the seller
ZGF	Nominated GCV	Gross calorific value conversion factor estimated by the shipper
ZGV	GCV conversion	Gross calorific value conversion factor
ZPR	Pressure	The pressure of the gas in the pipe
ZWI	Wobbe index	The Wobbe index of a gas is

		defined as the GCV divided by the (s where s is the relative density (air = 1).
ZWN	Nominated Wobbe index	The higher heating value divided by the square root of a gas specific gravity. The Wobbe index level is estimated by the shipper
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
ZWP	Nomination limit	The limit allowed for nomination
ZWQ	Top daily imbalance limit	The maximum limit allowed for daily imbalance
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. Shipper in debit with TSO) 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.
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. Shipper in debit with TSO) 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.
ZWT	Supply level 1	The level of supply at level 1

ZWU	Supply level 2	The level of supply at level 2
ZWV	Supply level 3	The level of supply at level 3
ZWW	Supply level 4	The level of supply at level 4
ZWX	Supply level 5	The level of supply at level 5
ZWY	Supply level 6	The level of supply at level 6
ZWZ	Supply level 7	The level of supply at level 7
ZXA	Supply level 8	The level of supply at level 8
ZXB	Supply level 9	The level of supply at level 9
ZXC	Supply level 10	The level of supply at level 10
ZXJ	Opening position	The opening position quantity
ZXK	Closing position	The closing position quantity
ZXL	Transaction	The quantity of a transaction
ZXM	Imbalance	The imbalance quantity
ZXN	Limits where incentives are not paid	The upper or lower limits where incentives will not be paid
ZXO	Smoothing profile	The recommended profile that the shipper should nominate at the entry into the network to balance his position taking into account its entry profile, exit profile, and domestic consumption profile.
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. Shipper in credit with TSO) in a balance account, i.e. Output gas quantities are 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. Shipper in credit with TSO) in a balance account, i.e. Output (Exit) gas quantities is 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 Shipper 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 shipper stock level at the beginning of the period. (by the. Application of a reduction factor to the nominal capacity)
ZXZ	Contractual withdrawal limit	The maximum absolute value of gas quantity that the Shipper has the right to withdraw from a storage. The maximum corresponds to the nominal withdrawal 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 shipper stock level at the beginning of the period (by the. 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 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 Operator (e.g. maintenance).
ZYD	Operational injection limit	The maximum (and minimum if needed) absolute value of gas quantity that the Shipper 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 correspond to the minimum quantity that has to be injected into the storage, in order to respect the minimum storage The limits are related to a certain period so they can be Daily, Hourly, etc.Follows specific market rules this quantity depend on the shipper 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 Shipper 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 correspond to the minimum quantity that has to be withdraw 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 depend on the shipper stock level at the beginning of the period.
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21 StandardReasonCodeTypeList, Reason code

StandardReasonCodeTypeList	Reason code	Code specifying a reason for an act
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
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	Recieved after deadline	The message has been 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 refers to gas with a quality different to the foreseen one
21G	For information	The values are being provided for information
22G	Planned	The reason for this status is a planned maintenance
23G	Message refused by operator	The message has been refused by the operator
24G	Message refused by operator - DEPRICATED	The message has been refused by the operator. Note: This code has been deprecated and reason code 23G should be used in its place.
25G	Planned Maintenance	The information is provided for a planned maintenance
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 an

		end user 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 shipper and/or supplier is not registered.
45G	Unknown party identification	The identification of at least one party is unknown.
46G	Unknown location identification	Unknown location identification.
47G	Incomplete period	At least one of the periods in the message contains incomplete information.
48G	Other error	A not further specified error has been found in the message.
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 in UNB 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 shipping account	The shipping 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.
70G	Message accepted with remarks	A message has been accepted with specific remarks governing its acceptance.
71G	Volume pre-arranged	The volumes are rearranged (pre rearrangement) for hours where the damping was not correct,
72G	Volume post-arranged	The Transport Programs with a mismatch are rearranged for the remaining volumes of that hour.
73G	Mismatch and volume post rearranged	Combination of Mismatch (zero-rule) and volume post rearranged
74G	Damping not ok, mismatch and volume post rearranged	Combination of Damping not ok, mismatch and volume post rearranged
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 counterparty is missing	The Account Id of the counterparty is

		missing
79G	No unique Bid Identification	The identification of a bid is not unique in the message
80G	The Bid Document is not allowed for this contract	The sender is not a registered bid party
81G	The type of Transport Program is not allowed	The type of Transport program is not valid for this party
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.
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.

22 StandardReferenceTypeList, Reference code qualifier

StandardReferenceTypeList	Reference code qualifier	Code qualifying a reference.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
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.
Z11	Contract group reference	Reference identification of a contract group 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.

23 StandardRoleTypeList, Party function code qualifier

StandardRoleTypeList	Party function code qualifier	Code giving specific meaning to a party.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
BY	Buyer	Party to which merchandise is sold.
SE	Seller	Party selling merchandise to a buyer.
UD	Ultimate customer	The final recipient of goods.
ZAA	Allocation agent	The service provider appointed to allocate gas based on agreed procedures
ZSH	Shipper	Party that employs the Transit System Operator to transport the gas to the Buyer. It may use a Storage Manager to store gas to help managing the balance between its supplies and the Buyer's demands.
ZSO	Transit System Operator	Party that transports the gas via a Transit System from the Delivery Point(s) to one or more Redelivery points. In this document the Transporter will always be referred to as Transit System Operator.
ZSY	Balance area responsible	(e.g. handles shippers with no formal contract)
ZSZ	Facility Operator	The operator who controls the processes that regulates gas flow.
ZTT	Holder	The party identification refers to the

		party holding the contractual rights or usage rights of the product.
ZTU	Receiver	The party identification refers to the party receiving the contractual rights or usage rights of the product.
ZTV	Service provider	The party identification refers to the (dispatching service of the) party providing the service.
ZTY	Program Responsible Party	A party for ensuring the balance of his own portfolio
ZTZ	Balance Supplier	A party that has been contracted to ensure the balance of a portfolio
ZUA	Market Information Aggregator	A party that makes information available for use
ZUE	Metered Data Responsible	A party responsible for the establishment and validation of metered data based on the collected data received from the Metered Data Collector. The party is responsible for the history of metered data for a Metering Point.
ZUF	Capacity Platform Operator	A party providing and operating a platform that implements the rules and processes for offering and allocation of all capacity.
ZUG	Energy Trading Platform Operator	A party providing and operating a platform by means of which trading participants may post and accept bids and offers for gas
ZUH	Weather provider	A party that provides weather forecast information.
ZUJ	Auction Office	An office responsible for the auctioning of capacity
ZUK	Area coordinator	A party with coordinating functions in the transmission and/or distribution system and responsible for the management of balancing groups, system balancing activities and/or the provision of data (for example settlement and balancing information). Other duties and responsibilities might be stipulated in the respective national laws.

24 StandardSettlementTypeList, Settlement type

StandardSettlementTypeList	Settlement type	Code identifying a type of settlement.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
A01	Physical settlement	The settlement is made through the supply of gas
A02	Financial settlement	The settlement is made by financial means

25 StandardSpanTypeList, The time span for a given period

StandardSpanTypeList	The time span for a given period	Coded identification of a span.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
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

26 StandardStatusTypeList, Status description code.

StandardStatusTypeList	Status description code.	Code specifying a status.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
03G	Estimated value	An approximated value that is not physically measured. It could be based on mathematical algorithms or just a value decided by the owner of the data in case of loss of information or technical problems
04G	Provisional value	The result of an first rough measurement and a calculation
05G	Definitive value	The final or conclusive value.
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
15G	Positive status	Reliability of meter reading is positive
16G	Negative status	Reliability of meter reading is negative
17G	Value automatically repaired.	Value automatically repaired by the metering tool
18G	Value copied from previous period.	Value not measured but copied identically from the previous period
19G	Value negotiated between parties.	value not measured but agreed between parties
20G	Value estimated by Network company.	Value not measured but estimated
21G	Value estimated by Network company, 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
24G	Quality variation	The value(s) associated to this status refers to gas with a quality different to the foreseen one
25G	Planned Maintenance	The reason for this status is a

		planned maintenance (deprecated)
28G	Firm	The capacity is firm
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 setpoint value from the Instruction Response is 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 an end user exceeds the maximum capacity.
38G	Interruptible Priority 3	The value is decreased down to the interruptible capacity limit having a priority 3
39G	Interruptible Priority 4	The value is decreased down to the interruptible capacity limit having a priority 4
40G	Interruptible Priority 5	The value is decreased down to the interruptible capacity limit having a priority 5
41G	Interruptible Priority 6	The value is decreased down to the interruptible capacity limit having a priority 6
42G	Interruptible Priority 7	The value is decreased down to the interruptible capacity limit having a priority 7
43G	Interruptible Priority 8	The value is decreased down to the interruptible capacity limit having a priority 8

44G	Interruptible Priority 9	The value is decreased down to the interruptible capacity limit having a priority 9
45G	Interruptible Priority 10	The value is decreased down to the interruptible capacity limit having a priority 10
46G	Interruptible Priority 11	The value is decreased down to the interruptible capacity limit having a priority 11
47G	Interruptible Priority 12	The value is decreased down to the interruptible capacity limit having a priority 12
48G	Interruptible Priority 13	The value is decreased down to the interruptible capacity limit having a priority 13
49G	Interruptible Priority 14	The value is decreased down to the interruptible capacity limit having a priority 14
50G	Interruptible Priority 15	The value is decreased down to the interruptible capacity limit having a priority 15
51G	Interruptible Priority 16	The value is decreased down to the interruptible capacity limit having a priority 16
52G	Interruptible Priority 17	The value is decreased down to the interruptible capacity limit having a priority 17
53G	Interruptible Priority 18	The value is decreased down to the interruptible capacity limit having a priority 18
54G	Interruptible Priority 19	The value is decreased down to the interruptible capacity limit having a priority 19
55G	Interruptible Priority 20	The value is decreased down to the interruptible capacity limit having a priority 20
56G	Increased Nominated Quantity	The Nominated Quantity has been increased to satisfy market rules.
57G	Rejected	The information has been rejected. Refer to the associated text for any complementary information
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.
61G	For information	The data provided is for information.
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.

27 StandardStatusCategoryTypeList, Status category code

StandardStatusCategoryTypeList	Status category code	Code specifying the category of a status.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
04G	Pro rata	In proportion, proportionally with respect to a value
05G	SBA Shipper 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 shipper is equal to the nomination of a shipper
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
15G	Analytic load profile	Forecast for an ultimate customer which was created by observing the consumption in the past. The quantities related to this class are subject to a specific treatment for balancing.
16G	Generic Entry/Exit	Entry or Exit which can not be classified in detail. The quantities related to this class are subject to a specific penalty class.
17G	Metered Value OFC	This value does not have to be nominated as the as the setpoints will be given by OFC (online Flow Control). The quantities related to this class are subject to a specific penalty class
18G	Metered Value Hourly balancing	Consumption at this point is subject to hourly balancing, either voluntary or forced. The quantities related to this class are subject to a specific penalty class.
19G	LPG for biogas	Injection of Liquid Gas (i.e. Propane or Buthane) to

		increase the GCV of Biogas. The quantities related to this class are subject to specific taxes.
20G	Grid Transfer Value	Quantity of Natural Gas transferred from one Grid to another. The quantities related to this class are subject to a specific penalty class.
21G	Biogas	The entry or exit of biogas at an interconnection point between market areas.

28 StandardTransactionTypeList, Transaction code qualifier

StandardTransactionTypeList	Transaction code qualifier	Code qualifying a reference.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
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 a 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	Over-nomination is the booking procedure for interruptible

		<p>Withinday-capacity. Once the whole firm capacity on a network point in one direction is booked, there is the possibility for the nominating party to book Withinday-capacity via over-nomination. This is done by the nominating party by a nomination within the gasday, which exceeds the already to the balancing group assigned capacity. If the precondition is fulfilled, the TSO will conclude an interruptible Withinday-contract with “rest-of-the-day”-capacity. Additional explanation: In France – it is possible that additional capacity is allocated via over-nomination which is a sort of UIOLI Short Term process but with double payment (paid by the shipper not using the capacity and paid by the shipper using the capacity). In such a case, over-nomination bundles both processes (described here described and above).</p>
ZTB	Open Subscription Window	<p>Subscription Window allocation process consists in a timing window where network users are allowed to ask for capacity allocation. Where the requests go beyond the maximum transmission capacity a pro-rata mechanism is applied on the basis of the request. Additional explanation: Capacity product is offered during a period of time. Shippers bid for a quantity. After the period is over, the offered capacity is allocated to all shippers in proportion to their bids at reserve price..</p>
ZTC	Open season	<p>Long term capacity product is tendered for investing in new capacities. Shippers bid for a quantity. At the end of the</p>

		tender, decision is made to invest in new capacities and new capacities are allocated to the winners at reserve price.
ZTD	Storage allocation	When a shipper buy a storage product at a storage facility directly connected to a transmission network, the transmission capacity (at the IP between both operators – SSO and TSO) needed to use the storage product is automatically allocated to the shipper by the TSO at a regulated price. These allocations shall be reported to ACER by the TSOs, with regards to the requirements of REMIT IR, Art. 9(2).
ZTE	Non-ascending clock pay-as-bid auction	Other than in a clearing price auction where all successful bidders pay the same price per unit, in a pay-as-bid auction every bidder pays the price which he has bidden. The highest offered price will be allocated with the requested quantity of capacity at first. If there is still capacity remained, the 2nd highest bid will be allocated with his bidden price. Procedure will continue until the full offered capacity is allocated. There could be differences when there is a rule “filled or killed” applied.

29 StandardTransferTypeList, Secondary market transfer type

StandardTransferTypeList	Secondary market transfer type	Code qidentifying a type of transfer on the secondary market.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
A01	Transfer of ownership	The complete ownership of the capacity is transferred
A02	Transfer of use	The capacity is transferred for nomination use only

30 StandardUnitOfMeasureTypeList, Measurement unit code

StandardUnitOfMeasureTypeList	Measurement unit code	Code specifying the unit of measurement in compliance with UN/ECE Recommendation 20.
CODE	DEFINITION	DESCRIPTION/3039 code or DisplayName
3B	megajoule	One thousand 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/m ³)	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
JM8	Megajoule per normal cubic meter (MJ/nm ³)	A million units of electrical energy expressed per normal cubic meter
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	Kilowatthour per hour (kWh/h)	1000 watts an hour per hour.
KW2	Kilowatthour 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 Watt 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 milloin units of pressure (a unit of pressure is equal to one newton per square metre)
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 metre 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
GWH	Gigawatt hour (GWh)	10 to the power of 9 W x h
A01	Di-Hydrogen	A colorless, highly flammable element, that occurs as a diatomic molecule, H ₂ , the lightest of all gases and the most abundant element in the universe, used in the production of synthetic ammonia and methanol, in petroleum refining, in the hydrogenation of organic materials, as a reducing atmosphere, in oxyhydrogen torches, in cryogenic research, and in rocket fuels.
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.
Z99	Not specified	No measurement unit is applicable.