



**Gas Transmission Operator
GAZ-SYSTEM S.A.**

**TRANSMISSION NETWORK CODE
(TNC)**

Warsaw, February 2016

The English version is provided for the information purpose only.

If any discrepancy arises between this translation and the Polish original, the Polish original shall prevail.

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Part I

General conditions for the use of the transmission system, operating and planning the development of the network

1 DEFINITIONS AND UNITS

1.1 Definitions

Allocation	The allotment of a certain quantity of gaseous fuel delivered for transmission at the entry point or off-taken from the exit point to individual Shippers.
Physical balancing	The activity of the TSO aimed at the balancing the quantities of gaseous fuel delivered to and off-taken from the transmission system.
Commercial balancing	The activity of the TSO that consists in the determination and settlement of the imbalance arising from the difference between the quantities of gaseous fuel delivered to and off-taken from the transmission system by the Shipper(s).
System balancing	The business activity carried out by the TSO as part of the transmission services provided, which consists in the balancing of the demand for gaseous fuels with the supplies of such fuels, including physical balancing and commercial balancing.
Reference Gas Price (CRG)	The weighted average price of the purchase of gaseous fuel by the TSO in the gas month preceding the month when the CRG is to be published. The price shall apply in the month following the month in which it was published. The CRG shall be determined for the quantity expressed in kWh separately for high-methane gas balancing area (CRG _E) and low-methane gas balancing area (CRG _{LW}). The TSO shall publish the CRG on its website in the month preceding the month in which this price is to apply.
Average Balancing Settlement Price (CSR _B)	Volume-weighted average price from all transactions of Towarowa Giełda Energii session of the Intraday Market (RDB _G), related to the present gas day, as published on the TSO's website and on the website of Towarowa Giełda Energii with index name TGEgasID.
Gross calorific value H _{SN}	Gross calorific value H _{SN} [298.15 K, 101.325 kPa, V (273.15 K, 101.325 kPa)] – the amount of heat that would be released as a result of the complete combustion in air of a certain volume of gaseous fuel, assuming that the reaction takes place under a constant pressure of 101.325 kPa, all the products of combustion, except for water, are in gaseous state, the water formed in the process of combustion condenses and all the products of combustion (both those in the gaseous state and the water in the liquid state) are brought to the same temperature of 298.15 K as the substrates had.
Pressure	The pressure of gaseous fuel measured under static conditions as overpressure, which is the difference between the absolute static pressure of the gaseous fuel and atmospheric pressure.
Business days	The days from Monday to Friday, except statutory holidays.
Gas day	A period from 6am on a given day until 6am on the following day.
Available capacity	Part of technical capacity of transmission system which is not reserved and which can be made available in accordance with the law and the

	<i>provisions of TNC.</i>
<i>Physical entry point</i>	<i>The place of the delivery of gaseous fuel with specified physical location, listed in point 3.1.4, including interconnection physical entry points at the point of interconnection with a distribution system or a storage facility.</i>
<i>Physical exit point</i>	<i>The place of the off-take of gaseous fuel with specified physical location, listed in point 3.1.5, including interconnection physical exit points at the point of interconnection with a distribution system or a storage facility.</i>
<i>Direct gas pipeline</i>	<i>A gas pipeline that has been built to supply gaseous fuels directly to the Customer's installation, bypassing the gas system.</i>
<i>Interconnector</i>	<i>A gas transmission pipeline crossing the borders of European Union member states or member states of the European Free Trade Agreement (EFTA) - the parties to the agreement on the European Economic Zone, exclusively for the purpose of interconnecting the national transmission systems of these states.</i>
<i>Gas Exchange</i>	<i>The operator of a commodity exchange within the meaning of the Commodity Exchanges Act of 26 October 2000 (i.e. Journal of Laws of 2014, Item 197, as amended) where gaseous fuel is traded, or the operator of a regulated market in the territory of the Republic of Poland within the meaning of the Act on Trading in Financial Instruments of 29 July 2005 (i.e. Journal of Laws of 2014, Item 94, as amended) that organizes the trade in exchange commodities within the meaning of the Commodity Exchanges Act, including gaseous fuel.</i>
<i>Balancing group</i>	<i>Group created by the Shippers in which one Shipper is responsible for the commercial imbalance of the whole group (ZUP_{BG}) while the other participants of the group (ZUP_{UG}) are not responsible for the balancing towards the TSO.</i>
<i>Commercial Transmission Report (HRP)</i>	<i>A document prepared by the TSO containing a set of information on the provision of transmission services by the TSO to the Shipper in the billing period.</i>
<i>Storage facility</i>	<i>A facility used to store gaseous fuels including underground storage of gaseous fuels and the linepack capacity of gas pipelines owned by an energy company or operated by such company, including the part of the liquefaction of natural gas facility used for its storage, with the exception of that part of the facility which is used for the production activity, as well as the facilities serving exclusively the performance of the tasks of transmission system operators.</i>
<i>Auction Calendar</i>	<i>Reference table published by the European network of gas transmission system operators (ENTSO for Gas) covering all the relevant dates for the auctions held from March to February of the following calendar year, including the auction start dates and standard capacity related products concerned.</i>
<i>Marginal Buy Price (KCK_E)</i>	<i>Price determined for the calculation of daily imbalance charges in the high-methane gas balancing area, equal to the higher of the two following</i>

	<p>prices:</p> <ul style="list-style-type: none"> a) The highest price of any purchases of title products , in which the TSO is involved in respect of the given gas day, b) CSRB in relation to this gas day, plus 10%.
Marginal Sell Price (KCS _E)	<p>Price determined for the calculation of daily imbalance charges in the high-methane gas balancing area, equal to the lower of the two following prices:</p> <ul style="list-style-type: none"> a) lowest price of any sales of title products, in which the TSO is involved in respect of the given gas day, b) CSRB in relation to this gas day, reduced by 10%.
Marginal Buy Price (KCK _{Lw})	<p>Price determined for the calculation of daily imbalance charges in the low-methane gas balancing area, equal to the higher of the two following prices:</p> <ul style="list-style-type: none"> a) highest price recorded in transactions concluded on the Balancing Services Market for low-methane gas balancing area, b) weighted average price of gaseous fuel in transactions concluded on the Balancing Services Market in respect to that gas day, plus 10%.
Marginal Sell Price (KCS _{Lw})	<p>Price determined for the calculation of daily imbalance charges in the low-methane gas balancing area, equal to the lower of the two following prices:</p> <ul style="list-style-type: none"> a) lowest price recorded in transactions concluded on the Balancing Services Market for Lw low-methane gas balancing area, b) weighted average price of gaseous fuel in transactions concluded on the Balancing Services Market in respect to that gas day, reduced by 10%.
Wobbe index	The ratio of the gross caloric value of gaseous fuel to the square root of its relative density under the same reference conditions.
Maximum selling price for gaseous fuel offered for balancing purposes (MCOSB)	The maximum price for gaseous fuel resulting from the offers on the Balancing Services Market accepted by the TSO during the gas day for a given balancing area, as referred to in point 17.1.4.1 and point 17.1.4.3, provided that it is not lower than 100 % of CSRB. The MCOSB shall be published by the TSO on the TSO's website.
Gas month	A period from 6am of the first day of a given month until 6am of the first day of the following month.
Interoperator Transmission Contract (ITC)	Gas transmission contract executed by the TSO with a DSO and by the TSO with a SSO, which sets out additional detailed terms and methods of cooperation between the parties.
Connection capacity	Planned maximum hourly capability to supply or off-take gaseous fuel, used as the basis for the design of a connection, as defined in the agreement on connection to the network.

<i>Imbalance</i>	<i>The difference between the quantities of gaseous fuel delivered by the Shipper for transmission at the entry points and off-taken by the Shipper from the transmission system at the exit points, calculated on the basis of allocations made in accordance with the TNC.</i>
<i>Nomination</i>	<i>The Shipper's declaration submitted to the TSO, regarding the quantity of gaseous fuel that will be delivered by the Shipper to the transmission system at the entry points and off-taken at the exit points during a certain time period.</i>
<i>Balancing area</i>	<i>Part of the transmission system, which consists of entry points and exit points, including distribution systems connected to transmission system, to which certain balancing rules apply. The transmission system includes high-methane gas balancing area, and the low-methane gas balancing area.</i>
<i>Customer</i>	<i>Any party that receives or off-takes gaseous fuels under an agreement with an energy company, including Shippers, DSOs and SSOs.</i>
<i>Final Customer</i>	<i>A Customer purchasing gaseous fuel for own use.</i>
<i>Contractual congestion</i>	<i>Restrictions on the gas transmission capabilities arising from (contracted) capacity booking by the Network User in excess of the actually used capacity.</i>
<i>Technical congestion</i>	<i>Restrictions on the ability to transmit gaseous fuel arising from congestion in the technical facilities, installations or networks.</i>
<i>Re-Gasification Facility Operator (OIR)</i>	<i>An energy company engaged in the unloading, process storage and re-gasification of liquefied gas (LNG).</i>
<i>Billing Point Operator (OPR)</i>	<i>An entity that has the legal title to the measurement and settlement systems at the physical entry points or physical exit points from the transmission system, and performs the activities related to measurements at such points, including specifically the ISO and the Customer.</i>
<i>Distribution System Operator (DSO)</i>	<i>An energy company engaged in the distribution of gaseous fuels that is responsible for network operation in the gas distribution system, the duties of which are specified in the Energy Law, designated as an Operator by virtue of a decision of the President of ERO.</i>
<i>Storage System Operator (SSO)</i>	<i>An energy company engaged in the storage of gaseous fuels, which is responsible for the maintenance of the storage installation, the duties of which are specified by the Energy Law, designated as an Operator by virtue of a decision of the President of ERO.</i>
<i>Transmission System Operator (TSO)</i>	<i>Gas Transmission Operator GAZ-SYSTEM S.A. - an energy company engaged in the distribution of gaseous fuels that is responsible for network operation in the gas system, the duties of which are specified in the Energy Law, designated as an Operator by virtue of a decision of the President of ERO.</i>

<i>Interoperating System Operator (ISO)</i>	<i>The DSO, SSO and OIR or an operator of a transmission system interoperating with the TSO's transmission system, other than the TSO.</i>
<i>Gaseous Fuel</i>	<i>High-methane natural gas or low-methane natural gas or biogas transported through the transmission system and conforming to the requirements set out in this TNC.</i>
<i>Curtailment plan</i>	<i>A plan for introduction of restrictions on the consumption of natural gas within the meaning of the Stockpiling Act.</i>
<i>Auction Platform</i>	<i>An online platform operated by the TSO, which supports electronic auctioning of available capacity, including available bundled capacity.</i>
<i>Gas Trading Platform</i>	<i>An electronic platform, other than the one operated by the Gas Exchange, where Shippers may place and accept buy and sell orders for gaseous fuel, and have the right to modify or withdraw such orders.</i>
<i>Notifying party (PZPT)</i>	<i>The party which notifies the TSO, under an agreement with the TSO, all the transactions for WPWE_{PPG} or WPWY_{PPG} concluded on a specific Gas Trading Platform, for the purpose of their execution.</i>
<i>Linepack</i>	<i>The gaseous fuel that is kept under pressure in gas pipelines.</i>
<i>Transportation forecast</i>	<i>A statement by a DSO delivered to the TSO and concerning the quantity of gaseous fuel to be off-taken from the transmission system by the DSO at MFPWY_{OSD} or to be delivered to the transmission system at MFPWE_{OSD} during the gas day.</i>
<i>Capacity</i>	<i>The maximum hourly quantity of gas gaseous fuel, expressed in energy units (kWh/h), which may be delivered for transmission at a physical entry point or off-taken from the transmission system at a physical exit point.</i>
<i>Capacity (contracted capacity)</i>	<i>The maximum hourly quantity of gaseous fuel, expressed in energy units (kWh/h), as specified in the capacity allocation (PP), which may be delivered for transmission at a physical entry point or off-taken from the transmission system at a physical exit point.</i>
<i>Technical capacity</i>	<i>(Technical transmission ability) The maximum firm capacity of the transmission system available for the TSO to provide gas transmission services.</i>
<i>Booked capacity</i>	<i>(Booked transmission ability) A part of the technical capacity of the transmission system that is reserved under transmission contracts and connection agreements signed by the TSO, unless the deadline set out therein for the conclusion of an agreement to be the basis for the supply of gaseous fuels has lapsed.</i>
<i>Transmission</i>	<i>Transportation of gaseous fuel through the transmission network.</i>
<i>Capacity allocation (PP)</i>	<i>A part of the transmission contract that specifies the capacity (contracted capacity) the Network User is eligible to at the specified physical entry point or physical exit point.</i>

<i>Transmission ability allocation (PZ)</i>	<i>A part of the transmission contract that specifies the transmission ability the Shipper is eligible to at the specified entry point or exit point.</i>
<i>Importation</i>	<i>The importation of natural gas within the meaning of the Stockpiling Act into the territory of the Republic of Poland on the basis of intra-community acquisition or imports.</i>
<i>Entry point</i>	<i>A contractual point of the delivery of gaseous fuel to the transmission system listed in point 3.1.6.</i>
<i>Virtual point</i>	<i>A point in the balancing area of unspecified physical location where the trade in gaseous fuel may take place.</i>
<i>Exit point</i>	<i>A contractual point of the off-take of gaseous fuel from the transmission system listed in point 3.1.7</i>
<i>Point of Interconnection (PWP)</i>	<i>A point that comprises all the physical points located at the interconnection of the transmission system with the Transit Gas Pipeline System.</i>
<i>Re-nomination</i>	<i>A change to the confirmed nomination.</i>
<i>Gas year</i>	<i>A period from 6am on 1 October of the previous year until 6am on 1 October of a given year.</i>
<i>OTC Market</i>	<i>Trade in gaseous fuels carried out at a virtual point outside the Gas Exchange.</i>
<i>Distribution system</i>	<i>Distribution network and the facilities and installations connected to and interoperating with such network.</i>
<i>Transmission System</i>	<i>Transmission network and the facilities and installations connected to and interoperating with such network.</i>
<i>Distribution network</i>	<i>A high, high-medium, medium and low pressure gas network excluding upstream and direct gas pipelines, the operation of which is the responsibility of a DSO.</i>
<i>Transmission network</i>	<i>A high-pressure gas network excluding upstream and direct gas pipelines, for the operation of which the TSO is responsible.</i>
<i>Force majeure</i>	<i>An extraordinary external event that is independent of the will of a party, which prevents the permanent or temporary performance of an agreement, the event or the consequences of which the party was unable to predict with due care at the time of signature of an agreement, or avoid or overcome.</i>
<i>Interoperating system</i>	<i>A distribution, storage, re-gasification or transmission system other than the TSO's transmission system that interoperates with the TSO's transmission system.</i>

Transit Gas Pipeline System (SGT)	A transmission system owned by EuRoPol Gaz S.A. for which the TSO has been designated as the operator.
Emergency situation	A situation resulting in the loss of technical operability of the transmission network, or the interconnected networks, installations or devices, or a direct threat to human life, health, property, the environment, or a sudden need to take measures in order to prevent or avoid the emergence of such threats or to eliminate the consequences caused by their emergence, and resulting in a restriction in the supply, transmission or off-take of gaseous fuel.
Tariff	A set of prices and charges and the underlying conditions applicable to the settlements with the Network User.
Balancing Services Market Participant (URB)	A Shipper who is a participant of the balancing services market under a separate agreement with the TSO specified in point 17.1.2.
Transmission contract	A gas transmission contract executed between the TSO and a System User, including a ITC, which provides for the access to the transmission system and the performance of transmission services to the System Users.
Reverse-flow transmission service	A reverse-flow transmission service or virtual reverse-flow transmission service provided by the TSO on a firm or interruptible basis at the points indicated on the TSO's website.
Network User (NU)	A natural or legal person, or an organizational unit without legal personality but with legal capacity, which acquired the right to the capacity (contracted capacity) of the transmission system under a transmission contract executed with the TSO and the capacity allocation (PP).
System User	An entity using the transmission system under a transmission system being either a Shipper or a Network User.
Energy Law	The Energy Law of 10 April 1997 - consolidated text (Journal of Laws of 2012, item 1059, as amended).
Stockpiling Act	The Act of 16 February 2007 on stocks of crude oil, petroleum products and natural gas, the principles of proceeding in circumstances of a threat to the fuel security of the State and disruption on the petroleum market (Journal of Laws of 2014, item 1695 as amended)
Net calorific value	Net calorific value H_i [298.15 K, 101.325 kPa, V (273.15 K, 101.325 kPa) –the amount of heat that would be released as a result of the complete combustion of a certain volume of gas, assuming that the reaction takes place under a constant pressure of 101.325 kPa, all the products of combustion are in the gaseous state and have been brought up to the same temperature of 298.15 K as the substrates had.
Normal conditions	The reference conditions for billing purposes, absolute pressure of 101.325 kPa and temperature of 273.15 K.

<i>Compulsory stocks</i>	<i>The compulsory stocks of natural gas within the meaning of the Stockpiling Act.</i>
<i>System congestion management</i>	<i>Business activities conducted by the TSO within the framework of the transmission services provided in order to ensure the safe operation of the transmission system and to provide the required technical parameters of gaseous fuels in the event of the appearance of technical congestion in this system's capacity.</i>
<i>Transmission ability</i>	<i>The maximum hourly quantity of gaseous fuel specified in the transmission ability allocation (PZ), expressed in energy units (kWh/h), which may be delivered for transmission at an entry point or off-taken from the transmission system at an exit point.</i>
<i>Distribution shipper (ZUD)</i>	<i>A natural or legal person, or an organizational unit without legal personality but with legal capacity, which uses the distribution service under a contract executed with the DSO.</i>
<i>Storage service customer (ZUM)</i>	<i>A natural or legal person, or an organizational unit without legal personality but with legal capacity, which uses the storage service under a contract executed with the SSO.</i>
<i>Shipper (ZUP)</i>	<i>A natural or legal person, or an organizational unit without legal personality but with legal capacity, which uses the transmission or balancing services under a transmission contract executed with the TSO and the transmission ability allocation (PZ).</i>

1.2 Units

1.2.1 The units of measure used in this TNC are:

m ³	cubic metre (defined in the TNC under normal conditions),
°C	degree Celsius,
h	hour,
K	Kelvin,
km	kilometre,
MJ	megajoule,
mg	milligram,
µg	microgram,
MPa	megapascal,
kPa	kilopascal,
kWh	kilowatt-hour

1.2.2 Any reference to a "quantity of gaseous fuel" in this TNC means a reference to such "quantity of gaseous fuel expressed in kWh", unless specifically indicated otherwise. The "volume of gaseous fuel" is expressed in cubic metres (m³) under normal conditions.

1.3 List of acronyms:

CRG	Gas reference price
CRG _E	Gas reference price for high-methane gas balancing area.
CRG _{LW}	Gas reference price for low-methane gas balancing area.
CSRB	Average Balancing Settlement Price
DIN	Daily imbalance quantity
DLN	Daily imbalance limit
E	High-methane natural gas
EP	The quantity of gaseous fuel delivered to the transmission system at the entry point and off-taken at the exit point, excluding the amounts delivered and off-taken at WPW _{E_{GG}} , WPW _{Y_{GG}} , WPW _{E_{PPG}} , WPW _{Y_{PPG}} , WPW _{E_{OTC}} , WPW _{Y_{OTC}} , WPW _{E_{OSP}} and WPW _{Y_{OSP}} .
FPWE	Physical entry points for which capacity allocation (PP) is executed
FPW _{E_M}	Physical entry points to the transmission system at interconnections with natural gas mixing facilities
FPW _{E_{OA}}	Physical entry points to the transmission system at interconnections with nitrogen removal plants
FPW _{E_{OIR}}	Physical entry points to the transmission system at interconnections with the LNG terminal
FPW _{E_{OSP}}	Physical entry points to the system at interconnections with transmission systems of neighbouring countries
FPW _{E_{PPM}}	Points of interconnection connecting transmission systems for the purposes of providing integrated capacity services.

FPWE _R	Physical entry points at which reverse-flow service is provided, as posted on the TSO's website
FPWE _{ŽDO}	Physical entry points to the transmission system at interconnections with domestic natural gas fields
FPWY	Physical exit points for which capacity allocation (PP) is executed
FPWY _M	Physical exit points from the transmission system at interconnections with natural gas mixing facilities
FPWY _O	Physical exit points from the transmission system at interconnections with the facilities of a customer (other than an ISO) connected to the transmission system
FPWY _{OA}	Physical exit points from the transmission system at interconnections with nitrogen removal plants
FPWY _{OK}	Physical exit points from the transmission system at interconnections with the final customer installation connected to the transmission system
FPWY _{OSP}	Physical exit points from the transmission system at interconnections with the transmission systems of neighbouring countries
FPWY _{PPM}	Points of interconnection connecting transmission systems for the purposes of providing integrated capacity services
FPWY _R	Physical exit points at which reverse-flow service is provided, as posted on the TSO's website
H _{SNmin}	Minimum gross calorific value referred to in point 3.3.1.
H _{SNmingr}	Minimum gross calorific value referred to in point 3.3.4
H _{zw}	Actual gross calorific value of the gaseous fuel delivered at a physical entry point or off-taken at a physical exit point [kWh/m ³]
HRP	Commercial Transmission Report

I _G	Daily quantity of gaseous fuel off-taken by the Shipper
I _{GI}	Quantity of gaseous fuel with off-spec gross calorific value that is delivered at a physical entry point or off-taken at a physical exit point
I _{PT}	Daily quantity of gaseous fuel indicated in the transportation forecast for the point,
I _{ZM}	Daily quantity of gaseous fuel measured at the point
K _{CK_E}	Marginal buy price determined for the calculation of daily imbalance charges in the high-methane gas balancing area
K _{K_{S_E}}	Marginal sell price determined for the calculation of daily imbalance charges in the high-methane gas balancing area
K _{CK_{LW}}	Marginal buy price determined for the calculation of daily imbalance charges in the low-methane gas balancing area
K _{K_{S_{LW}}}	Marginal sell price determined for the calculation of daily imbalance charges in the low-methane gas balancing area
M _p	Capacity (contracted capacity) allocated through an auction at an entry point
M _{COSB}	Maximum selling price for gaseous fuel offered for balancing purposes
M _{F_{PWE_{OSD}}}	Interconnection physical entry points to the transmission system at interconnections with a distribution system, referred to as interconnection physical entry points
M _{F_{PWE_{OSM}}}	Interconnection physical entry points to the transmission system at interconnections with storage facilities, referred to as interconnection physical entry points
M _{F_{PWY_{OSD}}}	Interconnection physical exit points to the transmission system at interconnections with a distribution system, referred to as interconnection physical exit points

MFPWY _{OSM}	Interconnection physical exit points to the transmission system at interconnections with storage facilities, referred to as interconnection physical exit points
MOD	Absolute value
N _z	Daily quantity of gaseous fuel specified in the confirmed nomination
O _{NCW}	Charge for an off-spec gross calorific value at a physical entry point
O _{NCWgr}	Charge for an off-spec gross calorific value at a physical entry point
O _{NMC}	Charge for an off-spec minimum pressure at a physical entry point
O _{NSJW}	Charge for an off-spec quality parameter
O _{NSTW}	Charge for an off-spec water dew point parameter
OIR	Re-Gasification Facility Operator
OND	Charge related to financial neutrality of balancing
ONOB	Fee for the part of the system services not rendered
ONP	Charge for inaccuracy of the transportation forecast
ONWW	Charge for inconsistency with the nomination at an exit point
OPR	Billing Point Operator
ORB _D	Balancing settlement charge for gaseous fuel delivered by a Shipper to the transmission system.
ORB _P	Balancing settlement charge for gaseous fuel taken by a Shipper from the transmission system.

DSO	Distribution System Operator
SSO	Storage System Operator
TSO	Transmission System Operator
ISO	Interoperating System Operator
OTC	Over-the-counter market
OZO	Auction margin
PNWW	Relative inconsistency with the nomination at the exit point
PP	Capacity allocation
PWE	Entry Points for which transmission ability allocation (PZ) is made
PWE _M	Entry Points with a physical location at an interconnection with natural gas mixing facilities
PWE _{OA}	Entry Points with a physical location at an interconnection with nitrogen removal plants
PWE _{OIR}	Entry Points with a physical location at an interconnection with the LNG terminal
PWE _{OSD}	Entry Point from DSO's distribution system, created based on interconnection physical entry points to or physical interconnection exit points from the distribution system of the given DSO, specified by the TSO
PWE _{OSM}	Entry Point at interconnection with storage facilities or with groups of storage facilities
PWE _{OSDZ}	Entry Point from a source directly connected to a distribution network
PWE _{OSP}	Entry Points with a physical location at an interconnection with transmission

	systems of neighbouring countries
PWE _{PPM}	Points of interconnection connecting transmission systems for the purposes of providing integrated capacity services.
PWE _R	Entry Points at which reverse-flow service is provided, as posted on the TSO's website
PWE _{ZDO}	Entry Points with a physical location at an interconnection with domestic natural gas fields
PWP	Point of Interconnection
PWY	Exit Points for which transmission ability allocation (PZ) is made
PWY _M	Exit Points with a physical location at an interconnection with natural gas mixing facilities
PWY _O	Exit Points with a physical location at an interconnection with facilities of customers (other than an ISO) connected to a transmission network
PWY _{OA}	Exit Points with a physical location at an interconnection with nitrogen removal plants
PWY _{OK}	Exit Points at the interconnection of the transmission system with an end customer facility
PWY _{OSD}	Exit Point to a DSO distribution system, created based on interconnection physical exit points to the distribution system of the given DSO, specified by the TSO
PWY _{OSM}	Exit Point at interconnection with storage facilities or with groups of storage facilities, , i.e. exit points of unspecified physical location
PWY _{OSP}	Exit Points with a physical location at an interconnection with transmission systems of neighbouring countries
PWY _{PPM}	Points of interconnection connecting transmission systems for the purposes of providing integrated capacity services

PWY _R	Exit Points at which reverse-flow service is provided, as posted on the TSO's website
PZ	Transmission ability allocation
PZPT	A notifying party with respect to a transaction
Q	Quantity of gaseous fuel for which the system service was not rendered
Q _{min}	The minimum quantity of gaseous fuel that must flow in the direction of the physical gas flow, as published on the TSO's website.
SNF	Rate of charge related to the financial neutrality of balancing
IES	Information Exchange System
T	Number of hours in the billing period.
URB	Balancing Services Market Participant
ERO	Energy Regulatory Office
NU	Network User
WPWE _{GG}	Virtual Entry Points – for transactions concluded at the Gas Exchange
WPWE _{OSP}	Virtual Entry Point for transactions with the TSO executed in the balancing services market
WPWE _{PPG}	Virtual Entry Points – for transactions concluded on the Gas Trading Platform other than the one operated by the Gas Exchange, for which nominations are submitted by PZPT
WPWE _{OTC}	Virtual Entry Point from the OTC market
WPWY _{GG}	Virtual Exit Point to the Gas Exchange – for transactions executed in the Gas

	Exchange
WPWY _{OSP}	Virtual Exit Point for transactions with the TSO executed in the balancing services market
WPWY _{OSPPW}	Virtual exit point for transactions with the TSO related to the purchase of gaseous fuel by the TSO for its own needs
WPWY _{OTC}	Virtual Exit Point to the OTC market
WPWY _{PPG}	Virtual Exit Points – for transactions concluded on the Gas Trading Platform other than the one operated by the Gas Exchange, for which nominations are made by PZPT
WTP	Relative inconsistency of the transportation forecast at the point in question
X _{SJNmax}	The highest acceptable value of a given quality parameter as set out in point 19.12.10
X _{SJW}	The actual value of a specific quality parameter of the gaseous fuel delivered at a physical entry exit or off-taken at a physical exit point
X _{STNmax}	The highest acceptable value of the water dew point [K]
X _{STW}	The actual value of the water dew-point temperature [K] of the gaseous fuel delivered at a physical entry exit or off-taken at a physical exit point
ZUD	Customer for gaseous fuel distribution service, including the distribution service from the source connected to a distribution network
ZUM	Storage service customer
ZUP	Shipper
ZUP _{BG}	Shipper responsible for commercial balancing of the entire balancing group
ZUP _{UG}	Shipper which is a participant of a balancing group, other than a ZUP _{BG}

1.4 Legal grounds for the application of the TNC.

- 1.4.1 The TNC, prepared by the TSO pursuant to the requirements of Article 9g of the Energy Law specifies the detailed conditions for using the transmission system by System Users and the conditions and methods of conducting the transmission, operations and planning the development of this system.
- 1.4.2 The TNC takes into consideration the requirements specified in the provisions of the Energy Law, Regulation of the Minister of Economy on detailed conditions of gas system operations (Journal of Laws of 2014, item 1059), Regulation of the Minister of Economy on detailed principles of tariff design and calculation, and settlements in the trade in gaseous fuels (Journal of Laws of 2013, item 820), as well as the Directive of the European Parliament and Council 2009/73/EC of 13 July 2009 concerning common rules for the internal market in natural gas and repealing Directive 2003/55/EC, and the Regulation of the European Parliament and Council (EC) No. 715/2009 of 13 July 2009 on conditions for access to the natural gas transmission networks and repealing Regulation (EC) 1775/2005.
- 1.4.3 The TNC has been drafted taking into consideration the principles set forth in the network codes referred to in Regulation of the European Parliament and Council (EC) No. 715/2009 of 13 July 2009 on conditions for access to the natural gas transmission networks and repealing Regulation (EC) 1775/2005.

2 GENERAL PROVISIONS

2.1 Introduction.

- 2.1.1 Gas Transmission Operator GAZ-SYSTEM S.A., (the Transmission System Operator), provides the available capacity of the transmission system and gas transmission and balancing services under a licence for transmission of gaseous fuels and a decision of the President of the Energy Regulatory Office ("ERO") concerning the designation of the transmission system operator.
- 2.1.2 The TSO shall provide Network Users with:
 - 2.1.2.1 the access to the transmission system by offering available capacity at physical entry points and physical exit points to the Network Users under a transmission contract, in accordance with the terms and conditions set forth in the Transmission Network Code ("TNC"),
 - 2.1.2.2 the transmission of gaseous fuel for the purposes of its delivery to distribution systems and storage facilities.
- 2.1.3 The TSO provides the gas transmission and balancing services to Shippers under a transmission contract, in accordance with the terms and conditions set forth in the TNC.
- 2.1.4 The TNC constitutes a set of regulations established in accordance with Article 9 g of the Energy Law, which specifies, in particular, the following:
 - 2.1.4.1 rights and obligations of the TSO and the System User,
 - 2.1.4.2 conditions for the provision of the available capacity of the transmission system,
 - 2.1.4.3 conditions for the provision of the gas transmission services,
 - 2.1.4.4 processes required for a safe and efficient provision of the gas transmission services,
 - 2.1.4.5 scope of cooperation between the TSO and the ISO, OPR and the Customers.
- 2.1.5 The TNC consists of the following sections:
 - 2.1.5.1 Part I – General conditions for the use of the transmission system, operating and planning the development of the network;
 - 2.1.5.2 Part II – Balancing and congestion management.
- 2.1.6 The TNC shall be delivered upon the execution of the transmission contract and made available for review upon the execution of the transmission network connection agreement.
- 2.1.7 The System User with whom the TSO executed a transmission contract shall be required to adhere to all the provisions of the TNC.
- 2.1.8 The TNC shall be delivered to distribution system operators and storage system operators upon the execution of inter-operator transmission agreements (ITC). DSOs and SSOs shall be obliged to adhere to all the applicable provisions of the TNC pursuant to the ITC executed with the TSO.

- 2.1.9 Customers, OIRs and OPRs, whose facilities, installations or networks are connected to the transmission shall be obliged to adhere to the provisions of the TNC.
- 2.1.10 The TNC and the complementary documents shall be drafted in the Polish language. In addition, the TSO shall publish, solely for information purposes, the TNC and the accompanying documents in English language. If there are discrepancies between the Polish language version of the TNC or supplementary documents and the English language version of such documents, provisions of the TNC and supplementary documents prepared in the Polish language shall prevail.
- 2.1.11 The current version of the TNC shall be posted on the TSO's website.
- 2.2 The rights and obligations of the TSO.
- 2.2.1 While applying objective and transparent rules assuring equal treatment of transmission System Users and taking into account the environmental requirements, the TSO shall be responsible for:
- 2.2.1.1 security of delivery of gaseous fuel by assuring security of functioning of the transmission system and implementation of the transmission contracts with the System Users,
 - 2.2.1.2 the management of network operation in a coordinated and efficient manner, while maintaining the required reliability of gas fuel transmission and quality,
 - 2.2.1.3 operation, maintenance and repairs of the network, installations and facilities of the transmission system, together with the interconnections with other gas systems in a manner that guarantees the reliability of the transmission system functioning,
 - 2.2.1.4 assurance of the long-term capability of the transmission system to satisfy legitimate demand for transmission of gaseous fuels, as well as the expansion of the transmission system, and where applicable, expansion of interconnections with other gas systems,
 - 2.2.1.5 cooperation with the interoperating system operators or other energy companies in order for the gas systems to ensure reliable and efficient operation of the respective gas systems and to coordinate their development,
 - 2.2.1.6 management of the flows of gaseous fuel and the maintenance of the quality parameters of such fuel in the transmission system and at the connections with interoperating systems,
 - 2.2.1.7 provision of the services required for proper operation of the transmission system,
 - 2.2.1.8 balancing of the system and management of congestion in the transmission system, as well as handling settlements with the Shippers, which arise from their imbalance,
 - 2.2.1.9 provision of information to the System Users and the ISOs on the terms and conditions for the provision of transmission services, including the interoperation with interconnected gas systems,
 - 2.2.1.10 preparation of gas curtailment plans for the Customers connected directly to the transmission network and being subject to gas curtailment measures

- pursuant to the Stockpiling Act, and the presentation of such plans to the President of the ERO for approval,
- 2.2.1.11 performance of duties connected with the implementation of gas curtailment measures introduced in accordance with the provisions of the Stockpiling Act,
 - 2.2.1.12 holding periodic market screening exercises to assess the demand for new transmission infrastructure, with a view to using the results of such surveys in the definition of development plans or offering procedure of newly built and expanded physical entry points,
 - 2.2.1.13 delivering gaseous fuel at the physical exit point from the transmission system and ensuring that such gaseous fuel conforms to the quality parameters specified in point 3.3.1, point 3.3.5 and at the pressure specified in accordance with point 3.4.16, provided that the (contracted) capacity at the exit point has not been exceeded by the System User.
- 2.2.2 The TSO shall provide transmission services within the limits of the technical capacity of the transmission network.
 - 2.2.3 In the case of an unexpected increase in gaseous fuel consumption by Customers, the emergence of interference in the supply of gaseous fuel, an emergency situation, including in interoperating systems, resulting in the emergence of a threat to the security of operation of the transmission system, the TSO shall take the steps described in point 21.
 - 2.2.4 In the event of an emergency situation, the TSO shall take the necessary steps to restore proper operation of the transmission system in accordance with the procedures specified in point 21.
 - 2.2.5 The TSO shall publish the relevant information on its TSO's website in accordance with the applicable regulations of the law.
 - 2.2.6 The TSO provides all necessary information to the Agency for the Cooperation of Energy Regulators and other relevant authorities in accordance with applicable law, including the Regulation No 1227/2011 of the European Parliament and of the Council of 25 October 2011 on wholesale energy market integrity and transparency (OJ L 2011.326.1 – hereinafter referred to as REMIT) and executive acts to REMIT.
- 2.3 The rights and obligations of the Network User.
 - 2.3.1 The Network User shall use the capacity (contracted capacity) of the transmission system in accordance with the principles set out in the Energy Law, the TNC, as well as the transmission contract and the capacity allocation (PP). SSOs and DSOs that are Network Users shall off-take the gaseous fuel transported by the TSO at interconnection physical exit points (MFPWY) and supply gaseous fuel at the interconnection physical entry points (MFPWE). The Network User shall be obliged to pay the charges specified in the Tariff and in the TNC to the TSO.
 - 2.3.2 As the user of the capacity (contracted capacity) of the transmission system, the Network User shall be required to adhere to the provisions of the TNC, and specifically:

- 2.3.2.1 not to exceed the contracted capacities specified in the capacity allocation (PP),
 - 2.3.2.2 to ensure that the gaseous fuel delivered for transmission at the physical entry point to the transmission system conforms to the quality requirements set out in point 3.3.1, point 3.3.5 and the pressure levels set out in point 3.4.16,
 - 2.3.2.3 to make payments in accordance with the provisions of the transmission contract,
 - 2.3.2.4 to immediately notify the TSO of any change in the conditions required upon the execution of the contract and constituting the basis for the execution of the transmission contract, as specified in point 6.2.2,
 - 2.3.2.5 to provide for the possibility of 24-hour contact with the personnel of the Network User or its Customers who are connected directly to the transmission system in the event of the occurrence of any unexpected event that may affect the performance of transmission services,
 - 2.3.2.6 in case of a threat to the safety or stability of the operation of the transmission system, to execute immediately the instructions of the TSO dispatcher services and assure the execution of such instructions by the entities delivering gaseous fuel to or taking it from the transmission system on behalf of the Network User.
- 2.3.3 The Network User which is a DSO shall publish on its website the standard consumption profiles for gaseous fuel for a customer connected to a distribution network, for which the consumed gaseous fuel is registered less frequently than once a day.
- 2.4 The rights and obligations of the Shipper.
- 2.4.1 The Shipper shall the gas transmission services subject to the principles set out in the Energy Law, the TNC, as well as the transmission contract and the transmission ability allocation (PZ). The Shipper shall be obliged to pay the TSO the charges specified in the TNC.
 - 2.4.2 As a user of the gas transmission and balancing services, the Shipper shall be required to observe the provisions of the TNC, and in particular to:
 - 2.4.2.1 deliver gaseous fuel for transmission and off-take from the transmission system in accordance with the quantities specified in the confirmed nominations for the entry and exit points,
 - 2.4.2.2 not to exceed the imbalance limit set forth in point 18.1.7,
 - 2.4.2.3 make payments and perform the transmission contract,
 - 2.4.2.4 take account of the restrictions specified the TNC in the submitted nominations,
 - 2.4.2.5 immediately notify the TSO of any change in the conditions required upon the execution of the contract and constituting the basis for the execution of the transmission contract, as specified in point 6.2.2.
- 2.5 The rights and obligations of the Customer.
- 2.5.1 The Customer whose facilities or installations are connected to the transmission system shall adhere to the provisions of the TNC, and specifically:

- 2.5.1.1 provide for the access by the TSO to the measurement and billing facilities and enable the performance of measurements of the values set forth in point 3.4.2 and the transfer of measurement data to the TSO in case when the Customer has the title to the measurement facilities installed at the physical entry or exit point.
 - 2.5.1.2 provide the relevant information to the TSO so as to enable the TSO to take into account the final Customer's demand in the projection of the national demand for gaseous fuel,
 - 2.5.1.3 conform to the provisions enabling the change of supplier by the final Customer,
 - 2.5.1.4 make allocations in respect of the points where gaseous fuel is transferred directly to the Customer and provides the TSO with the information on the allocated quantities in accordance with the TNC,
 - 2.5.1.5 entities referred to in § 4 of Regulation of the Council of Ministers of 19 September 2007 concerning the method and procedure for the implantation of gas curtailment measures (Journal of Laws No. 178 Item 1252) shall advise the TSO, by 31 July of each year, of the minimum quantity of gaseous fuel off-take that is required in order to avoid a threat to the safety of people or damage or destruction of process facilities, and corresponds to the 10th degree of supply rationing.
 - 2.5.1.6 conform to the restrictions in gaseous fuel consumption, involving the reduction of the maximum hourly and daily volume of gaseous fuel consumption in accordance with the announcements of the TSO published in the manner and under the principles specified in the Stockpiling Act,
 - 2.5.1.7 ensure the possibility of 24-hour contact with the Customer in the event of the occurrence of any unexpected events that may affect the delivery of gaseous fuel to the Customer,
 - 2.5.1.8 in case of a threat to the safety or stability of the operation of the transmission system, immediately execute the instructions of the TSO's dispatcher services.
 - 2.5.1.9 is authorised to receive from the TSO information which Network Users (US) use the capacity at the physical exit point (FPWY_o) from which the installation is supplied and on the allocated capacity (contracted capacity) to each of them at this point.
- 2.5.2 The Customer being the owner of a measurement and billing system directly connected to the transmission system shall be obliged to:
- 2.5.2.1 maintain the gas station facilities in adequate technical condition,
 - 2.5.2.2 respect the provisions referred to in point 3.6.1,
 - 2.5.2.3 perform routine maintenance of measurement facilities at the point of gaseous fuel consumption,
 - 2.5.2.4 advise the TSO on the scheduled dates of routine maintenance and provide for the possibility for its representatives to be present during the performance of the relevant works,
 - 2.5.2.5 provide for the possibility of verifying the correctness of the measurement system operation, upon each request of the TSO
 - 2.5.2.6 enable the representatives of the TSO to affix protective seals on the measurement system facilities,

- 2.5.2.7 enable remote reading by the TSO services of the measurement data in case when a telemetry system is in place at the gas station,
- 2.5.2.8 permit the TSO to install its own telemetry system, in case when not available at the gas station,
- 2.5.3 The Customer not being the owner of a measurement and billing system directly connected to the transmission system:
 - 2.5.3.1 shall be advised on the scheduled dates of routine maintenance to be carried out by the TSO services and may be present during the performance of the relevant works,
 - 2.5.3.2 may affix protective seals on the measurement system facilities,
 - 2.5.3.3 may take remote readings of the measurement data in case when a telemetry system is in place at the gas station,
 - 2.5.3.4 may install its own telemetry system, in case when not available at the gas station.
- 2.6 A Customer connected directly to the system has the right to request the TSO for a pressure adjustment at a physical exit point(s) where the Customer off-takes gaseous fuel. The TSO shall make such adjustment in accordance with the procedure set forth in point 3.4.18.
- 2.7 Complementary documents.
 - 2.7.1 The diagram of the transmission system and the list of entry points and exit points.
 - 2.7.2 The forms of applications for the definition of the conditions for connection to the transmission network.
 - 2.7.3 The form of the application for concluding a contract for the provision of transmission service.
 - 2.7.4 The specimen of the transmission contract.
 - 2.7.5 The form of the application for capacity allocation/transmission ability allocation (PP/PZ).
 - 2.7.6 The Tariff.
 - 2.7.7 The complementary documents are posted on the TSO's website.
- 2.8 The application of the TNC.
 - 2.8.1 The TNC approved by the President of ERO, or the changes to the TNC shall be published in the ERO Bulletin. The new TNC or the changes to the TNC shall be published on the TSO's website and made available for review at the TSO's registered office.
 - 2.8.2 A System User or a potential system user may submit comments to the TSO concerning the TNC being in force, and such comments shall be reviewed by the TSO at the stage of the preparation of the subsequent version of the TNC.

- 2.8.3 The notification regarding the amendment or publication of new TNC shall be sent by the TSO to System Users, OPRs and the entities which whom the contract or agreement referred to in point 3.8, point 3.9 or point 3.10 has been executed.
- 2.8.4 The amended or new TNC shall become binding for the TSO, System Users, ISOs, OPRs and Customers whose facilities, installations or networks are connected to the transmission system, upon its approval by the President of ERO and promulgation in the ERO Bulletin, as of the date stated in the relevant decision of the President of ERO.
- 2.8.5 The TNC constitutes an integral part of the transmission contract. The amended or new provisions of the TNC shall become a part of the transmission contract starting from the date stated in the relevant decision of the President of ERO concerning their approval.
- 2.8.6 In the event of refusal to accept changes to the TNC or a new TNC, the System User shall have the right to terminate the transmission contract within fourteen (14) days from the date of its publication, subject to fourteen (14) days' notice or other notice period (i.e. shorter or longer) specified by the System User, which, however, may not be effective later than on the day preceding the entry of the changes to the TNC, or the new TNC, into force, or without any notice and with effect at the end of the gas day preceding the entry of such changes to the TNC, or the new TNC into force. In case when the amended or new TNC enters into force during the notice period, the System User shall apply the amended or new TNC during the notice period, as of its effective date.
- 2.8.7 The TSO shall post the consolidated texts of the subsequent TNCs approved by the President of ERO on the TSO's website indicating the effective date of the introduced changes.

3 DESCRIPTION OF THE TRANSMISSION SYSTEM

3.1 Components of the transmission system

3.1.1 The transmission services are provided by the TSO in two transmission systems designed for:

- 3.1.1.1 group E high methane natural gas (GZ-50),
- 3.1.1.2 group L, sub-group Lw low-methane natural gas (GZ-41.5),

3.1.2 The following interoperate with the TSO's transmission system:

- 3.1.2.1 group L, sub-group Ln and Lm low-methane natural gas pipelines that transport gas to nitrogen removal and natural gas mixing facilities,
- 3.1.2.2 upstream gas pipelines transporting gas from the fields to the entry points into the transmission system,
- 3.1.2.3 systems, networks and facilities of other operators,
- 3.1.2.4 facilities of the Customers.

3.1.3 The transmission system comprises the following:

- 3.1.3.1 physical entry and exit points (FPWE and FPWY), and
- 3.1.3.2 entry points (PWE) and exit points (PWY).

3.1.4 The transmission system comprises the following physical entry points (FPWE) to the system:

- 3.1.4.1 at the interconnections with:
 - 3.1.4.1.1 transmission systems - single physical points or groups of physical points specified by the TSO (FPWE_{OSP} or PWP),
 - 3.1.4.1.2 storage facilities referred to as interconnection physical entry points (MFPWE_{OSM}),
 - 3.1.4.1.3 distribution systems referred to as interconnection physical entry points (MFPWE_{OSD}),
 - 3.1.4.1.4 LNG terminal (FPWE_{OIR}),
 - 3.1.4.1.5 domestic gas fields (FPWE_{ZDO}),
 - 3.1.4.1.6 natural gas mixing facilities (FPWE_M),
 - 3.1.4.1.7 nitrogen removal plants (FPWE_{OA}).
- 3.1.4.2 points for which reverse-flow transmission service is provided, posted on the TSO's website (FPWE_R).
- 3.1.4.3 points of interconnection connecting transmission systems for the purposes of providing integrated capacity services (FPWE_{PPM}).

3.1.5 The transmission system comprises the following physical exit points (FPWY) from the system:

- 3.1.5.1 at the interconnections with:
 - 3.1.5.1.1 transmission systems – single physical points or groups of physical points specified by the TSO (FPWY_{OSP}),

- 3.1.5.1.2 storage facilities referred to as interconnection physical exit points (MFPWY_{OSM}),
- 3.1.5.1.3 distribution systems referred to as interconnection physical exit points (MFPWY_{OSD}),
- 3.1.5.1.4 installation of a customer connected to the transmission system (FPWY_O) including on the connection with the final customer installation (FPWY_{OK}),
- 3.1.5.1.5 natural gas mixing facilities (FPWY_M),
- 3.1.5.1.6 nitrogen removal plants (FPWY_{OA}).
- 3.1.5.2 points for which reverse-flow transmission service is provided, posted on the TSO's website (FPWY_R).
- 3.1.5.3 points of interconnection connecting transmission systems for the purposes of providing integrated capacity services (FPWY_{PPM}).
- 3.1.6 The transmission system comprises the following entry points (PWE):
 - 3.1.6.1 entry points with physical location:
 - 3.1.6.1.1 at the interconnections with:
 - 3.1.6.1.1.1 transmission systems - single points or group of points specified by the TSO (PWE_{OSP} or PWP),
 - 3.1.6.1.1.2 LNG terminal (PWE_{OIR}),
 - 3.1.6.1.1.3 domestic gas fields (PWE_{ZDO}),
 - 3.1.6.1.1.4 natural gas mixing facilities (PWE_M),
 - 3.1.6.1.1.5 nitrogen removal plants (PWE_{OA}).
 - 3.1.6.1.2 points for which reverse-flow transmission service is provided, posted on the TSO's website (PWE_R).
 - 3.1.6.2 virtual entry points, i.e. entry points to transmission system, separately for the high-methane gas balancing area and the low-methane gas balancing area, of unspecified physical location where the trade in gaseous fuel takes place:
 - 3.1.6.2.1 entry points from the Gas Exchange – for transactions executed in the Gas Exchange and notified to the TSO directly by the Gas Exchange (WPWE_{GG}),
 - 3.1.6.2.2 entry points from the Gas Trading Platform – for transactions concluded on the Gas Trading Platform other than the Gas Exchange and notified by the PZPT (WPWE_{PPG}),
 - 3.1.6.2.3 entry point from the OTC market – for bilateral transactions executed in the OTC market and notified to the TSO by Shippers (WPWE_{OTC}),
 - 3.1.6.2.4 entry point for transactions executed with the TSO in the Balancing Services Market (WPWE_{OSP}).

- 3.1.6.3 entry points from a distribution system, i.e. points created on the basis of interconnection physical entry points (MFPWE_{OSD}) of the given DSO (PWE_{OSD}),
 - 3.1.6.4 entry points at interconnection with storage facilities, i.e. entry points of unspecified physical location (PWE_{OSM}),
 - 3.1.6.5 points of interconnection connecting transmission systems for the purposes of providing integrated capacity services (PWE_{PPM}).
- 3.1.7 The transmission system comprises the following exit points (PWY) from the system:
- 3.1.7.1 exit points with physical location:
 - 3.1.7.1.1 at the interconnection with:
 - 3.1.7.1.1.1 transmission systems – single points or groups of points specified by the TSO (PWY_{OSP}),
 - 3.1.7.1.1.2 installations of customers connected to the transmission network (PWY_O), also at interconnection with the final customer installation (FPWY_{OK}),
 - 3.1.7.1.1.3 natural gas mixing facilities (PWY_M),
 - 3.1.7.1.1.4 nitrogen removal plants (PWY_{OA}),
 - 3.1.7.1.2 points for which reverse-flow transmission service is provided, posted on the TSO's website (PWY_R).
 - 3.1.7.2 virtual exit points, i.e. exit points from the transmission system, separately for the high-methane gas balancing area and the low-methane gas balancing area, of unspecified physical location where the trade in gaseous fuel takes place:
 - 3.1.7.2.1 exit points – for transactions executed in the Gas Exchange and notified to the TSO directly by the Gas Exchange (WPWY_{GG}),
 - 3.1.7.2.2 exit points from the Gas Trading Platform – for transactions concluded on the Gas Trading Platform other than the Gas Exchange and notified by a PZPT (WPWY_{PPG}),
 - 3.1.7.2.3 exit point to the OTC market – for bilateral transactions executed in the OTC market and notified to the TSO by Shippers (WPWY_{OTC}),
 - 3.1.7.2.4 exit point for transactions executed with the TSO in the Balancing Services Market (WPWY_{OSP}),
 - 3.1.7.2.5 exit point for transactions with the TSO related to the purchase of gaseous fuel by the TSO for its own needs (WPWY_{OSPPW}).
 - 3.1.7.3 exit points to a distribution system, i.e. points created on the basis of interconnection physical exit points to the distribution system (MFPWY_{OSD}) of the given DSO (PWY_{OSD}),
 - 3.1.7.4 exit points at interconnection with storage facilities, i.e. exit points of unspecified physical location (PWY_{OSM}),

- 3.1.7.5 points of interconnection connecting transmission systems for the purposes of providing integrated capacity services (PWY_{PPM}).
- 3.1.8 For the distribution system of the given DSO connected to the transmission system, separately for the high-methane gas balancing area and the low-methane gas balancing area, one (1) exit point to the distribution system (PWY_{OSD}) shall be established, based on interconnection physical exit points to the DOS's distribution system, specified by the TSO.
- 3.1.9 If a source feeding the distribution system exists in the distribution system, for the distribution system of the DSO connected to the transmission system, separately for high-methane gas balancing area and the low-methane gas balancing area, one (1) entry point from the distribution system (PWE_{OSD}) shall be established, based on interconnection physical entry or exit points from/to the distribution system of the DSO, specified by the TSO.
- 3.1.10 At PWY_{OSD} at an interconnection with a DSO being an entity referred to in art. 9d, par. 7 of the Energy Law, trading with gaseous fuel is possible between the Shipper and this DSO.
- 3.1.11 The following information shall be posted by the TSO on the website:
- 3.1.11.1 list of entry points,
 - 3.1.11.2 list of exit points.
- 3.2 Transfer of risk.
- 3.2.1 The risk related to the transported gaseous fuel shall pass on the TSO upon the delivery of the gaseous fuel to the transmission system at the physical entry points specified in point 3.1.4.
- 3.2.2 The risk related to the transported gaseous fuel shall pass on the System User upon the off-take of the gaseous fuel at the physical exit points from the transmission system specified in point 3.1.5.
- 3.3 Quality parameters of gaseous fuel.
- 3.3.1 The following ranges of gross calorific value (H_{SN}) shall be applicable to gaseous fuel transported in the transmission system:
- 3.3.1.1 group E high-methane natural gas – at least H_{SNmin}= 38,0 MJ/m³ (10,556 kWh/m³),
 - 3.3.1.2 sub-group Lw low-methane natural gas – at least H_{SNmin}= 30,0 MJ/m³ (8,333 kWh/m³),
- 3.3.2 In the event that the gross caloric value of the gaseous fuel supplied to the group E high methane natural gas system is within the range of 34.0 MJ/m³ (9,444 kWh/m³) ≤ H_{SN} < 38.0 MJ/m³ (10,556 kWh/m³), the TSO may refuse to accept such fuel, and in the event that it is introduced into the system, an additional charge, as specified in the TNC shall be charged from the Network User.,
- 3.3.3 The TSO may refuse to accept group E high-methane gaseous fuel with gross calorific value within the range of 34.0 MJ/m³ (9,444 kWh/m³) ≤ H_{SN} < 38.0 MJ/m³

(10,556 kWh/m³), or quality parameters that differ from those specified in point 3.3.5, if this could result in:

- 3.3.3.1 deterioration of the quality of gaseous fuel delivered to the exit point to below the parameters specified in the transmission contract concluded by the TSO,
 - 3.3.3.2 a breach of rights or interests of Customers connected to the transmission system.
- 3.3.4 Gaseous fuel with a gross caloric value below of the following limits must not be introduced into the transmission system:
- 3.3.4.1 $H_{SNmingr} = 34 \text{ MJ/m}^3$ (9,444 kWh/m³) for the group E high methane gas system,
 - 3.3.4.2 $H_{SNmingr} = 30 \text{ MJ/m}^3$ (8,333 kWh/m³) for the Lw subgroup low-methane gas system.
- 3.3.5 Requirements applicable to other quality parameters of the gaseous fuel transported by the transmission system:

Gaseous fuel quality characteristics	Unit of measure	Maximum allowed value / range
Hydrogen sulphide content*	mg/m ³	7.0
Oxygen content*	% (mol/mol)	0.2
Carbon dioxide content*	% (mol/mol)	3.0
Mercury fumes content*	µg/m ³	30.0
Mercaptan sulphur content*	mg/m ³	16.0
Total sulphur content*	mg/m ³	40.0
Water dew point temperature for the pressure of 5.5 MPa from 1 April to 30 September	°C	+3.7
Water dew point temperature for 5.5 MPa from 1 October to 31 March	°C	-5.0
Hydrocarbon dew-point temperature	°C	0
Dust content of a particle diameter of greater than 5 µm*	mg/m ³	1.0
Range of the Wobbe index variability for group E gaseous fuel	MJ/m ³	45.0 ÷ 56.9
	kWh/m ³	12.500 ÷ 15.806
Range of the Wobbe index variability for Lw sub-group gaseous fuel	MJ/m ³	37.5 ÷ 45.0
	kWh/m ³	10.417 ÷ 12.500

Gaseous fuel quality characteristics	Unit of measure	Maximum allowed value / range
Range of the temperature variability of gaseous fuels introduced to the transmission system	°C	0-50

** Except for the water dew point temperatures, all values in the table refer to normal conditions.*

3.4 Measurements of pressure, quantities and quality parameters of gaseous fuel in the transmission system.

3.4.1 Measurement of the pressure, quantity, volume and quality parameters of the transported gaseous fuel are taken for the purpose of billing for the transmission services.

3.4.2 The following values are specified, respectively, at the physical entry points and physical exit points:

3.4.2.1 hourly quantity of gaseous fuel,

3.4.2.2 daily quantity of gaseous fuel,

3.4.2.3 monthly quantity of gaseous fuel,

3.4.2.4 maximum hourly quantity of gaseous fuel for the gas day or gas month, determined as the integral part, disregarding the fractional part,

3.4.2.5 minimum pressure in the gas day,

3.4.2.6 gross calorific value.

3.4.3 Depending on the value of the connection capacity and (contracted) capacity, appropriate configurations of the measurement systems are used at the physical entry points and physical exit points.

3.4.4 The description of the measurement systems at the physical entry points and physical exit points, as well as the calculation methodology (when different than described in point 3.6) are set out in technical annexes to the relevant ITCs or agreements executed with the Customers connected to the transmission network, OPRs or ISOs.

3.4.5 The measurements of the quality parameters of the transported gaseous fuel are taken by the TSO at the designated points of the transmission system. The places and frequency of measurement taking and their results are posted on the TSO's website.

3.4.6 The gross calorific value of gaseous fuel shall be determined:

3.4.6.1 for physical entry points which are provided with chromatographs – for each hour as the arithmetic average of the measurements taken at such point at that hour,

3.4.6.2 for physical entry points which are not provided with a system for continuous measurement of the gaseous fuel composition (no

- chromatographs installed) – based on the most recent measurement provided to the TSO by the OPR of the entry point in question, and posted on the TSO's website,
- 3.4.6.3 for all physical exit points, - for each hour as the arithmetic average resulting from the measurements taken at that hour at points relevant for the billing areas, as designated in accordance with point 3.4.7. If the analyses of the gaseous fuel composition at a given point are made less frequently than once (1) an hour, the hourly gross calorific value shall be deemed to correspond to the value of the last correct measurement taken, subject to point 3.4.6.4,
 - 3.4.6.4 for physical entry and exit points in which a device referred to in point 3.4.25 is installed and as the production of the hourly quantity of the gaseous fuel and the hourly volume of the gaseous fuel taking into account point 3.4.23.
- 3.4.7 The TSO shall define billing areas in such a manner as to ensure that the average gross calorific value for any area does not differ by more than +/-3% from the gross calorific value of the gaseous fuel as determined at any physical point of such billing area. The assignment of physical exit points to a specific area (point of measurement) is published on TSO's website.
 - 3.4.8 In case when the ISO or the Customer install a measurement instrument approved by the TSO, and such instrument enables the determination of the gross caloric value of gaseous fuel at a physical entry point or at a physical exit point for the billing period, the gross caloric value shall be determined on the basis of the readings taken from such instrument, in accordance with point 3.4.6.1 or 3.4.6.3. The instrument shall be regularly checked by an accredited laboratory or TSO's services.
 - 3.4.9 A measurement instrument owned by the TSO shall be regularly checked by an accredited laboratory or TSO's services.
 - 3.4.10 Upon a written request of the TSO, the OPR shall procure that the accuracy of the measurement instrument be checked by a laboratory that has been accredited as a certification body in accordance with separate regulations. The measurement instrument should be checked within twenty-one (21) days of the notification of such request by the TSO.
 - 3.4.11 The Network User shall cover the costs of checking the accuracy of the measurement instrument referred to in point 3.4.9 undertaken at its request in the event that no faults in the performance of any of the components of the measurement instrument have been discovered.
 - 3.4.12 The TSO shall cover the costs of checking the accuracy of the measurement instrument referred to in point 3.4.10 undertaken at its request in the event that no faults in the performance of any of the components of the measurement instrument have been discovered.
 - 3.4.13 In the event that the performance of the measurement instrument is found to be faulty, the owner of the instrument shall cover all the costs of checking the accuracy and repair of the measurement instrument.
 - 3.4.14 Any disputes between the Network User and the TSO concerning the accuracy of the measurements taken by the TSO as the basis for billing purposes shall be

resolved in an amicable manner. In case when the parties fail to reach an agreement, the disputes shall be resolved by a competent common court.

- 3.4.15 In the event that a complaint concerning a paid invoice is admitted in full, the TSO shall issue an adjustment invoice within seven (7) days of the date of admitting the complaint and shall send it to the Network User forthwith.
- 3.4.16 The pressures at which gaseous fuel is delivered for transmission at physical entry points or off-taken at physical exit points shall be posted on the TSO's website . The change of the value of gaseous fuel pressure published on the TSO's website shall be done in agreement with the proper ISO or Customer connected at the physical exit point.
- 3.4.17 The minimum pressure in a given month shall be deemed to correspond to the minimum average hourly pressure recorded in a given gas month.
- 3.4.18 Upon a request from a Customer connected directly to the transmission system, as submitted directly to the TSO, the TSO shall adjust, twice a year, the pressure at the physical exit point where such final Customer off-takes gaseous fuel, to the extent that technical capabilities for pressure adjustment exist at such point. The procedure of pressure adjustment at the physical exit points shall be specified in the technical annexes to the relevant contracts or agreements executed with the ISOs or Customers.
- 3.4.19 In the case of a physical entry point or physical exit point where the TSO has a legal title to the measurement facility, the TSO shall be responsible for the performance of measurements at such point.
- 3.4.20 In case of an overload or damage of a gas meter at a physical exit point, caused by increased consumption of gaseous fuel in excess of the upper limit of the range of volumetric flow measurement, the gas meter should undergo repeated verification. Any costs related to such repeated verification, including but not limited to the costs of transport, verification and repair (if any) shall be borne, as appropriate by the Shipper or the Customer whose facilities are connected to the transmission network, subject to the presentation by the TSO of documents evidencing the incurred costs.
- 3.4.21 If the TSO does not have a legal title to the measurement facilities installed at a physical entry or exit point, the OPR having the legal title to the facilities installed at such point shall provide the TSO with access to the measurement and billing facilities, the possibility to take the measurements of the values set out in point 3.4.2 and the communication of measurement data to the TSO. The frequency of measurements and the dates and format of data exchange shall be specified in a technical annex constituting an integral part of the inter-operator transmission contract (ITC) or the agreements executed with the OPR or the ISO.
- 3.4.22 The quantity of gaseous fuel which is the basis for settlement for the transmission services and balancing shall be determined in the following manner:
 - 3.4.22.1 The hourly quantity of gaseous fuel delivered for transmission at a physical entry point and off-taken at a physical exit point, shall be determined as the product of the volume of the gaseous fuel measured at the relevant physical entry point or exit point and the gross calorific value established for

- such physical entry or exit point, in accordance with the provisions of point 3.4.5 and point 3.4.6 for the same hour, subject to point 3.4.25,
- 3.4.22.2 The daily quantity of gaseous fuel shall be determined as the sum of the hourly quantities of gaseous fuel, as determined in accordance with point 3.4.22.1,
- 3.4.22.3 The monthly quantity of gaseous fuel shall be determined as the sum of the daily quantities of gaseous fuel, as determined in accordance with point 3.4.22.2.
- 3.4.23 The gross calorific value for each hour of the gas month is expressed in kWh/m³ to an accuracy of three decimal places, assuming that the values are calculated in accordance with the algorithm set out in point 3.4.24.
- 3.4.24 The hourly gross calorific value is the arithmetic average of the measurements taken, to the accuracy of the chromatograph readings [MJ/m³]. The unit of the calculated hourly value is converted from MJ/m³ to kWh/m³ by dividing the gross calorific value by a coefficient of 3.6. Next, the obtained value is rounded to 3 digital places. The so calculated value is taken as the basis for the calculation of the hourly quantity of gaseous fuel.
- 3.4.25 In case when the measurement system installed by the ISO or the Customer at the physical entry point or the physical exit point enables the determination of both the volume of gaseous fuel and the quantity of gaseous fuel, and a measurement instrument compatible with such system enables the determination of the gross calorific value, after the acceptance of the TSO, the settlement shall be made based on the hourly quantities of gaseous fuel obtained from the measurement system.
- 3.5 Telemetry system.
- 3.5.1 In the event that the TSO has the legal title to a given physical entry or exit point, upon launching a telemetry system at such point, upon the System User's request, the TSO shall agree on the scope and conditions of telemetry data sharing with the System User in consultation with the Final Customer or the ISO whose installations or devices are connected to the transmission system.
- 3.5.2 In the event that the TSO does not have the legal title to a given physical entry or exit point, the OPR undertakes to make it possible for the TSO to:
- 3.5.2.1 install telemetry facilities at such point, for the purpose of transmitting transmit measurement data to the TSO, provided that the ownership right to the installed telemetry facilities shall remain with the TSO, or
- 3.5.2.2 collect the measurement data from the indicated information system.
- 3.5.3 The TSO and the Network User cover their own costs related to the transmission of telemetry data to their respective services.
- 3.5.4 The transmission of telemetry data from a given point to the TSO should be effected using one or two independent transmission routes, depending on the importance of the point in the transmission system.
- 3.5.5 In the event of a failure of the telemetry system, the duty to notify the parties using the telemetry data of the failure that has taken place lies with the entity that operates the telemetry facilities. When the TSO is not the entity that

operates the telemetry facilities, the OPR shall inform the TSO of the failure that has occurred. In case of a failure, the OPR shall take the necessary measures in order to restore the telemetric data transmission without undue delay.

- 3.5.6 In the event that a given physical entry or exit point is not connected to the telemetry system or a failure occurred within the telemetry system, the necessary data shall be communicated by the OPR in the manner set out in a technical annex to the relevant inter-operator transmission contract (ITC) or the agreements referred to in point 3.8 and point 3.10.

3.6 Technical requirements.

3.6.1 Measurement facilities.

- 3.6.1.1 The basic functional requirements concerning the design, construction, commissioning and use of measurement stations are set forth in the standard PN-EN 1776:2002: Gas supply systems. Natural gas measuring stations. Functional requirements, as well as in the following standards:

- 3.6.1.1.1 PN-EN ISO 13443:2008: Natural gas. Standard reference conditions,
- 3.6.1.1.2 PN-EN ISO 12261:2005: Gas meters - Turbine gas meters, PN-EN 12261:2005/A1:2008: Gas meters - Turbine gas meters,
- 3.6.1.1.3 PN-EN ISO 12480:2005: Gas meters - Rotary gas meters, PN-EN 12480:2005/A1:2008: Gas meters - Rotary gas meters,
- 3.6.1.1.4 PN-EN ISO 5167-1 to ISO 5167-4:2005 Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full.
- 3.6.1.1.5 PN-EN 12405-1:2007: Gas meters - Conversion devices – Part 1: Volume conversion,
- 3.6.1.1.6 PN-EN 12405-1:2007/A1:2008: Gas meters - Conversion devices – Part 1: Volume conversion,
- 3.6.1.1.7 PN-EN ISO 12213-1:2011 Natural gas – Calculation of compression factor – Part 1: Introduction and guidelines,
- 3.6.1.1.8 PN-EN ISO 12213-2:2008: Natural gas – Calculation of compression factor – Part 2: Calculation using molar-composition analysis,
- 3.6.1.1.9 ST-IGG-0205:2011 Quality assessment for natural gases. Part 1: Process gas chromatographs for testing natural gas composition
- 3.6.1.1.10 ST-IGG-0202:2014 Gas measurements and settlements,

- 3.6.1.1.1.11 ST-IGG-2701:2014 The principles for gas settlements in energy units,
 - 3.6.1.1.1.12 PN-EN 12405-2:2012 Gas meters - conversion devices - Part 2: Energy conversion
 - 3.6.1.1.1.13 PN-ISO 17089-1:2013 Measurement of fluid flow in closed conduits - ultrasonic meters for gas - Part 1: Meters for custody transfer and allocation measurement
 - 3.6.1.1.1.14 PN-EN ISO 6974-2:2006 Natural gas - Determination of composition with defined uncertainty by gas chromatography - Part 2: Measuring-system characteristics and statistics for processing of data,
 - 3.6.1.1.1.15 PN-EN ISO 12213-3:2011 Natural gas - Calculation of compression factor - Part 3: Calculation using physical properties,
 - 3.6.1.1.1.16 PN-EN ISO 6976 Natural gas – Calculation of calorific values, density, relative density and Wobbe index from composition.
- 3.6.1.2 The use of gas meters which do not conform to the requirements of the standards specified in point 3.6.1.1 in metering for billing purposes is subject to arrangements set out the connection agreement, ITC, the transmission contract or in an agreement with an ISO or a OPR.
- 3.6.1.3 Flow computers used for measuring the quantity or volume of transported gaseous fuel operate based on the standard winter time (UTC+1) throughout the gas year. The TSO shall bill the System User in accordance with the official time.
- 3.6.1.4 Updating of gas composition in the flow computers installed at a physical entry or exit point to/from the transmission system, where the updating is not conducted on-line, should be undertaken by the TSO by the 3rd business day of each gas month. The updating is based on the average monthly gas composition from the previous month, published on the TSO's website, specific to the area, determined in accordance with 3.4.7, where the flow computer is installed.
- 3.6.1.5 There are three types of measurement systems that may be used in measurement stations, i.e.: U-1, U-2 and U-3, depending on the size of the gas volumetric flow. For the maximum gas volumetric flow up to 5000 m³/h under normal conditions, the U-1 measurement system should be used. The system may consist of a single or multiple operating measurement paths. The measurement paths may be of equal or different capacity. When the interruption of gas supply to the customer is not acceptable and no backup measurement path has been installed, a bypass path should be designed within the U-1 system. When the expected maximum gas volumetric flow under normal conditions is greater than 5000 m³/h but does not exceed 50000 m³/h, the U-2 measurement system should be used. The U-2 measurement system consists of a single or multiple operating measurement paths and one monitor measurement path which serves to monitor each of the operating paths. The monitor measurement path should be connected in a series with the operating measurement path and

its capacity should enable the monitoring of each operating measurement paths. For the maximum expected gas volumetric flow exceeding 50000 m³/h under normal conditions, the U-3 measurement system should be used. The system consists of a single or multiple operating measurement paths and one backup measurement path. Each operating and backup measurement path is furnished with an operating gas meter and a monitor gas meter connected to it in a series. The purpose of the U-3 system is to continuously compare the indications of the operating gas meter with those of the monitor gas meter. For volumetric flows which qualify the measurement for a U-1 type system, the application of a U-2 or U-3 measurement system shall be acceptable, and for U-2 the application of the U-3 type shall be acceptable, provided that the technical and economic analysis demonstrates that such change is appropriate.

3.6.2 Gas pipelines.

- 3.6.2.1 The basic requirements applicable to newly-built transmission pipelines are specified in Regulation of the Minister of Economy of 26 April 2013 concerning technical conditions to be met by gas networks and their location (Journal of Laws, item 640) and the standard PN EN 1594:2014 Gas supply systems - Pipelines for maximum operating pressure over 16 bar - Functional requirements.
- 3.6.2.2 The regulations that apply to existing gas pipelines are those that applied at the time they were built.

3.6.3 Transmission system components.

- 3.6.3.1 The basic requirements applicable to newly-built compressor stations in the transmission system are specified in Regulation of the Minister of Economy of 26 April 2013 concerning technical conditions to be met by gas networks and their location (Journal of Laws, item 640) and the standard PN-EN 12583:2005 Gas supply systems – Compressor stations. Functional Requirements.
 - 3.6.3.2 The basic requirements applicable to newly-built gas stations are specified in Regulation of the Minister of Economy of 26 April 2013 concerning technical conditions to be met by gas networks and their location (Journal of Laws, item 640) and in the following standards: PN-EN 12186:2004 Gas supply systems – Gas pressure regulating stations for transmission and distribution – Functional requirements, PN-EN 12279:2004 Gas Supply Systems – Gas pressure reduction installations on service lines – Functional requirements, ST-IGG-0501:2009 Gas stations in transmission and distribution for entry pressures up to 10 MPa - Requirements for design, construction and commissioning, ST-IGG-0502:2010 Gas pressure reduction and/or measurement installations on service lines - Requirements for design, construction and commissioning, ST-IGG-0503:2011 Gas stations in transmission and distribution for entry pressures up to 10 MPa and gas pressure reduction and/or measurement installations on service lines - Service requirements.
- 3.6.4 The legal regulations, as well as the provisions of the TNC and agreements executed with ISOs shall prevail over the provisions of the above-mentioned standards.

3.6.5 Detailed technical requirements applicable to physical entry points to the transmission system and physical exit points from the transmission system shall be set out in technical annexes to ITCs or to the agreements with ISOs or OPRs.

3.7 Criteria of the safety of the transmission system operation.

3.7.1 The TSO adopts the following safety criteria for the functioning of the transmission system:

- 3.7.1.1 maintenance of a capacity reserve providing for the capability to transport gaseous fuel in periods of exceptionally high demand, i.e. when the average ambient temperature during the day in three consecutive days is at a level of -15°C ,
- 3.7.1.2 maintenance of a daily imbalance in the transmission system within the limit of $\pm 5\%$ of the projected maximum daily demand in the transmission system,
- 3.7.1.3 maintenance of the pressure at the exit points within the ranges specified in accordance with point 3.4.16 of the TNC,
- 3.7.1.4 maintenance of the quality parameters of the gaseous fuel, as specified in the TNC.

3.7.2 In order to meet the criteria specified in point 3.7.1 and in order to assure the performance of the transmission contracts, the TSO shall:

- 3.7.2.1 hold reserves of gaseous fuel accumulated in the facilities used for storage purposes with a view to covering any shortages of gaseous fuel in order to ensure the security and stability of the supply of gaseous fuel according to Article 9c section 1 point 1 of the Energy Law, subject to provisions of point 3.7.5.
- 3.7.2.2 prepare, and submit for approval by the President of ERO, gas curtailment plans with respect to Customers and Shippers, connected directly to the transmission network who are subject to restrictions in gaseous fuel consumption in accordance with the Stockpiling Act,
- 3.7.2.3 in the cases specified in the Stockpiling Act, perform the duties and obligations connected with the introduction of gas curtailment measures by establishing and announcing to the public the degrees of supply rationing, pursuant to gas curtailment plans,
- 3.7.2.4 prepare procedures applicable in the event of an emergency situation in the transmission system,
- 3.7.2.5 prepare procedures applicable in the event of the disturbance in the operation of interoperating systems, within the framework of the relevant agreements with the ISOs,
- 3.7.2.6 maintain and develop control and measurement systems, control and telemetry systems and building automation systems to enable a fast response to potential threats within the transmission system,
- 3.7.2.7 maintain the system facilities, installations, networks and structures in good technical condition, in accordance with the applicable regulations, ensure ongoing operational monitoring and provide for technical emergency teams to be continuously on duty and, in the event of any threat, take immediate action to eliminate such threat,

- 3.7.2.8 conduct assessments of the technical condition of the transmission system and, on its basis, prepare investment and maintenance plans.
 - 3.7.2.9 take the measures described in point 16.
 - 3.7.2.10 The TSO shall inform the PZPT and the Gas Exchange about the termination of the transmission contract with a System User for whom transmission ability allocation (PZ) has been made at, as applicable, at WPWE_{PPG} and WPWY_{PPG} or at WPWE_{GG} and WPWY_{GG}.
- 3.7.3 In order to assure the security of the transmission system operation and security of supply of gaseous fuel to Customers, the Shipper shall be obliged to:
- 3.7.3.1 prepare and submit for approval to the TSO operating procedures, as agreed with the entities responsible for their implementation, including, as appropriate, the operators of other gas systems or Customers, which shall be applicable in the event of:
 - 3.7.3.1.1 disturbance in the supply of gaseous fuel to the transmission system,
 - 3.7.3.1.2 unforeseen increase in the consumption of the gaseous fuel by Customers,
 - 3.7.3.1.3 emergency situation in the transmission system, or
 - 3.7.3.1.4 specify, in particular, the method of activating additional supplies of gaseous fuel from alternative sources of directions and reducing the consumption of gaseous fuel by Customers, on accordance the relevant agreements concluded with them,
 - 3.7.3.2 not to exceed the admissible imbalance limits specified in the TNC,
 - 3.7.3.3 deliver gaseous fuel at the entry points and off-take such gaseous fuel at the exit points in accordance with the confirmed nominations,
 - 3.7.3.4 immediately inform the TSO of all events that could affect the security of supply of gaseous fuel to physical entry points.
- 3.7.4 In order to assure security of operation of the transmission system and security of supply of gaseous fuel to Customers, the Network User shall be obliged to:
- 3.7.4.1 not exceed the contracted capacities set out in the capacity allocation (PP) or resulting from the introduced curtailment measures,
 - 3.7.4.2 deliver gaseous fuel for transmission at physical entry points to the transmission system while conforming to the quality parameters required under in the TNC, and maintaining the pressure within the ranges specified in accordance with point 3.4.16 of the TNC,
 - 3.7.4.3 immediately inform the TSO of all events that could affect the security of supply of gaseous fuel to the entry points.
- 3.7.5 Reserved by the TSO storage installations shall not be used for system balancing in case of non-emergency situation.

- 3.8 Scope of the cooperation between the TSO and the interoperating system operators.
- 3.8.1 The TSO, with the approval of DSOs, may establish groups of interconnection physical exit points (MFPWY_{OSD}) by way of an annex to ITC, which shall subsequently be published on the TSO's website.
- 3.8.2 Interconnection physical exit points that belong to a single group shall be hydraulically connected on the distribution system side.
- 3.8.3 The TSO may decide, at its sole discretion, to use exclusively those interconnection physical exit points belonging to a specific group of physical exit points, in respect of which this has been expressly reserved in the annex to ITC, and within a limit corresponding to the total volume of gaseous fuel resulting from the transportation forecast confirmed for the interconnection physical exit points comprised in such group. The TSO shall allocate the stream of gaseous fuel among such interconnection physical points comprised in a group of points.
- 3.8.4 The aggregate variance of the daily quantity of gaseous fuel measured at the interconnection physical exit or entry points with respect to transportation forecasts confirmed for such points shall be established.
- 3.8.5 In the event that the capacity (contracted capacity) allocated to any of the interconnection physical exit points is exceeded, the TSO shall not be liable for the failure to maintain the required pressure at the interconnection physical exit points comprised in the group of points such point belongs to.
- 3.8.6 In the event that the capacity (contracted capacity) allocated to any of the interconnection physical exit points is exceeded, the TSO shall not be liable for the failure to maintain the required pressure at the interconnection physical exit points, if such overrun had an impact on the failure to maintain the pressure.
- 3.8.7 The TSO shall reserve the technical capacity of the transmission system for a DSO up to the amount of the booked capacity at individual interconnection physical exit points.
- 3.8.8 The DSO shall place the application for capacity allocation with the TSO for individual interconnection physical exit points. The application for each interconnection physical exit point shall be within the limit resulting from the technical capabilities of the facilities at such point.
- 3.8.9 The detailed conditions and methods of cooperation with the operator of another transmission system, OIR and the operator of a physical entry point from a domestic source, i.e. a nitrogen removal plant, production facility or a mixing facility, shall be established in separate agreements and in technical annexes to connection agreements.
- 3.8.10 The agreement with the operator of another transmission system should regulate, in particular, the following:
- 3.8.10.1 handling any discrepancies in the starting/ending times of the gas day in the interoperating systems,
- 3.8.10.2 matching of the supplier – customer code pairs,

- 3.8.10.3 determination of the daily volumes of gaseous fuel per gas day,
 - 3.8.10.4 determination of the quality of the gaseous fuel delivered at the points of interconnection between the systems,
 - 3.8.10.5 access of representatives of a party that is not the owner of a measurement and billing point to the site,
 - 3.8.10.6 inspection of the measurement systems,
 - 3.8.10.7 sharing of telemetry data,
 - 3.8.10.8 sharing of measurement and billing data,
 - 3.8.10.9 submission and verification of nomination (re-nomination) matching in interoperating systems,
 - 3.8.10.10 the allocation of the delivered quantities of gaseous fuel among individual transmission contracts being implemented at system interconnection points,
 - 3.8.10.11 transfer of data concerning the allocations at the system interconnection points,
 - 3.8.10.12 management of the operation of the gas stations located at the connections between the systems,
 - 3.8.10.13 alignment of the schedules for maintenance, upgrades and other works in the interoperating systems, which affect the operating conditions of another interoperating system,
 - 3.8.10.14 maintenance and upgrading of the measurement and billing points located at the connections between the interoperating systems,
 - 3.8.10.15 approaches and exchange of information with regard to the procedures for providing access to the transmission network in respect of measurement and billing points,
 - 3.8.10.16 cooperation in the event of any disturbance concerning the quality of gaseous fuel that affects the operation of an interoperating system,
 - 3.8.10.17 alignment of emergency procedures,
 - 3.8.10.18 handling of emergency situations that affect the functioning of another interoperating system,
 - 3.8.10.19 communication principles and contact details of the relevant services of the TSO and the other transmission system.
- 3.8.11 The agreement with an OIR should contain, in particular, the principles pertinent to:
- 3.8.11.1 submission and verification of nomination (re-nomination) matching in interoperating systems,
 - 3.8.11.2 matching of the supplier – customer code pairs,
 - 3.8.11.3 transfer of data concerning the allocations at the system interconnection points,
 - 3.8.11.4 sharing of telemetry data,
 - 3.8.11.5 sharing of measurement and billing data,
 - 3.8.11.6 management of the operation of the gas stations located at the connections between the systems,

- 3.8.11.7 alignment of the schedules for maintenance, upgrades and other works in the re-gasification facility, which affect the operating conditions of the re-gasification system,
 - 3.8.11.8 exchange of information on planned investments that affect the operating conditions of the systems,
 - 3.8.11.9 cooperation in the event of off-spec quality of gaseous fuel that affects the operation of the transmission system,
 - 3.8.11.10 alignment of emergency procedures,
 - 3.8.11.11 handling emergency systems that affect the functioning of the transmission system,
 - 3.8.11.12 communication principles and contact details of the relevant services of the TSO and the OIR.
- 3.8.12 The agreement with an operator of a physical entry point from a domestic source should contain, in particular, the principles pertinent to:
- 3.8.12.1 submission and verification of nomination (re-nomination) matching in interoperating systems,
 - 3.8.12.2 transfer of data concerning the allocations at the system interconnection points,
 - 3.8.12.3 sharing of telemetry data,
 - 3.8.12.4 sharing of measurement and billing data,
 - 3.8.12.5 management of the operation of the gas stations located at the connections between the systems,
 - 3.8.12.6 maintenance and upgrading of the gas stations located at the connections between the systems,
 - 3.8.12.7 exchange of information on planned investments that affect the operating conditions of the systems,
 - 3.8.12.8 cooperation in the event of off-spec quality of gaseous fuel that affects the operation of the transmission system,
 - 3.8.12.9 alignment of emergency procedures,
 - 3.8.12.10 handling emergency systems that affect the functioning of the transmission system,
 - 3.8.12.11 preparation and reconciliation of billing reports,
 - 3.8.12.12 communication principles and contact details of the relevant services of the TSO and the operator of a physical entry point from a domestic source.
- 3.9 Scope of the cooperation between the TSO and SSO or DSO.
- 3.9.1 The detailed conditions and methods of the cooperation with a distribution system operator and a storage system operator shall be set out in an inter-operator transmission contract (ITC), including the technical annexes to such ITC.
 - 3.9.2 The annex to the inter-operator transmission contract (ITC) executed with a distribution system operator should specify, in particular, the following:

- 3.9.2.1 principles of information exchange, including the specification of the data format and communication protocols to enable the interoperability of information exchange systems,
 - 3.9.2.2 principles of telemetry data sharing,
 - 3.9.2.3 principles of measurement and billing data sharing,
 - 3.9.2.4 principles of the preparation and reconciliation of billing reports,
 - 3.9.2.5 determination of the quality of the gaseous fuel delivered at the points of interconnection between the systems,
 - 3.9.2.6 principles of the access of representatives of a party that is not the owner of a measurement and billing point to the site,
 - 3.9.2.7 principles of the inspection of the measurement systems,
 - 3.9.2.8 principles of the communication of the allocation results among individual Shippers whose contracts are performed at the exit or entry points to/from the distribution system,
 - 3.9.2.9 principles of the exchange of measurement data for MFPWE_{OSD} and MFPWY_{OSD},
 - 3.9.2.10 principles of the management of the operation of the gas stations located at the connection between the interoperating systems,
 - 3.9.2.11 principles of the maintenance and upgrading processes in the interoperating systems,
 - 3.9.2.12 principles of the alignment of the schedules for maintenance, upgrades and other works in the interoperating systems, which affect the operating conditions of another interoperating system,
 - 3.9.2.13 principles of information exchange and handling with regard to the procedures for providing access to the transmission and distribution system,
 - 3.9.2.14 principles of the exchange of information on planned investments that affect the operating conditions of an interoperating system,
 - 3.9.2.15 principles of the cooperation in the connection of new points - interconnections between the transmission and distribution systems,
 - 3.9.2.16 principles of the cooperation in the event of any disturbance concerning the quality of gaseous fuel that affects the operation of an interoperating system,
 - 3.9.2.17 principles of exchange of information between dispatcher services and handling of emergency situations that affect the operation of an interoperating system,
 - 3.9.2.18 procedures applicable in the event of the introduction gas curtailment measures,
 - 3.9.2.19 principles of reporting applicable at the times when gas curtailment plans approved the President of ERO are in effect,
 - 3.9.2.20 communication principles and contact details of the relevant services of the TSO and the DSO.
- 3.9.3 The annex to the ITC executed with a SSO should contain in particular:
- 3.9.3.1 principles of the submission and verification of nomination (re-nomination) matching in interoperating systems,

- 3.9.3.2 principles of the exchange of data concerning the allocations at the system interconnection points,
 - 3.9.3.3 principles of telemetry data sharing,
 - 3.9.3.4 principles of measurement and billing data sharing,
 - 3.9.3.5 principles of the management of the operation of the gas stations located at the connection between the systems,
 - 3.9.3.6 principles of the maintenance and upgrading of the gas stations located at the connections between the systems,
 - 3.9.3.7 principles of the exchange of information on planned investments that affect the operating conditions of the systems,
 - 3.9.3.8 principles of the cooperation in the event of off-spec quality of gaseous fuel that affects the operation of the transmission system,
 - 3.9.3.9 principles of the alignment of emergency procedures,
 - 3.9.3.10 procedures applicable in emergency situations that affect the functioning of the transmission system,
 - 3.9.3.11 principles of the preparation and reconciliation of billing reports,
 - 3.9.3.12 communication principles and contact details of the relevant services of the TSO and the SSO.
- 3.9.4 Principles of providing storage capacity for the needs of the TSO.
- 3.9.4.1 The SSO connected to the transmission system shall offer the TSO access to a certain part of the working volume of the storage facility and the injection and withdrawal capacity required for the performance of the duties of the TSO.
 - 3.9.4.2 The TSO shall notify the SSO, by 15 October each year, of the working volume, withdrawal capacity and injection capacity of the storage facility reserved by the TSO, for the period of the following year (from 1 April the following year until 31 March the next year).
 - 3.9.4.3 The working volume, withdrawal capacity and injection capacity of the storage facility that is reserved by the TSO must not be made available to other entities without the TSO's consent.
 - 3.9.4.4 The SSO shall conclude an inter-operator transmission contract (ITC) with the TSO ensuring optimal cooperation of the transmission system with the SSO's system, particularly specifying the principles of the operator's account management, specifying the quantity of gaseous fuel that can be mutually transmitted between the operators in order to level out the differences between the quantities specified in the nominations and the quantities actually supplied to the gas system, including the principles of the levelling out the balances in the operator's account.
 - 3.9.4.5 The gaseous fuel injected to and withdrawn from the storage facilities should conform to the quality parameters specified in the TNC.

- 3.10 The scope of the cooperation between the TSO and the billing point operators (OPRs), Customers, including the energy company engaged in the operation of networks which is not a DSO.
- 3.10.1 The detailed conditions and methods of cooperation with the entities referred to in point 3.10 shall be set out in a separate agreement or in a connection agreement.
- 3.10.2 The agreement referred to in point 3.10.1 shall include in particular the following:
- 3.10.2.1 principles of the exchange of data concerning the allocations of gaseous fuel at FPWE or FPWY,
 - 3.10.2.2 principles of telemetry data sharing,
 - 3.10.2.3 principles of measurement and billing data sharing,
 - 3.10.2.4 the conditions for the performance of periodic inspections of measurement and billing facilities,
 - 3.10.2.5 principles of the management of the operation of the gas stations located at the connection with the transmission system,
 - 3.10.2.6 principles of the maintenance and upgrading of gas stations located at the connection with the transmission system,
 - 3.10.2.7 principles of the exchange of information on planned investments that affect the operating conditions of the transmission system,
 - 3.10.2.8 principles of the cooperation in the event of off-spec quality of gaseous fuel that affects the operation of the transmission system,
 - 3.10.2.9 conditions for ensuring the presence of the representatives of the parties to the agreement during the replacement, maintenance, repairs and checks of the measurement and billing facilities,
 - 3.10.2.10 communication principles and contact details of the relevant services of the TSO and the OPR or the Customer,
 - 3.10.2.11 the principles for notifying the customer connected to the transmission network of any changes in the terms and conditions of transmission system operation and any events that may affect the supply of gaseous fuel to the customer, including any changes in the work schedule and in the schedule of works that were not pre-scheduled.
- 3.11 The information exchange between the TSO and the entities referred to in point 3.8, point 3.9 and point 3.10 shall be based on EDIG@S standard or shall take place by the means of the Information Exchange System (IES).

4 PLANNING OF THE TRANSMISSION SYSTEM DEVELOPMENT

4.1 Development planning.

- 4.1.1 The development of the transmission system shall be a responsibility of the TSO.
- 4.1.2 The development of the transmission systems shall be managed on the basis of the criteria defined in the guidelines for the European and national energy policy and the strategy of the transmission system operator, which account for the need of satisfying the current and future demand for gaseous fuel while ensuring long-term capabilities of the transmission system.
- 4.1.3 In planning the development of the transmission system, the TSO shall use market screening to assess the demand for new transmission infrastructure, which consist in:
 - 4.1.3.1 gathering of information concerning the development plans from interoperating system operators
 - 4.1.3.2 holding consultations with current and potential System Users, Customers and suppliers regarding their needs for capacity in the transmission system,
 - 4.1.3.3 analysis of the gathered data referred to in point 4.1.3.1 and point 4.1.3.2.
- 4.1.4 On the base of the market screening referred to in point 4.1.3 TSO shall define the assumptions for the development plan.
- 4.1.5 For the purposes of planning the transmission network development the TSO shall gather information on long-term projections of demand for gaseous fuels for individual areas of the country.
- 4.1.6 The TSO develops projects of the country's demand for gaseous fuel on the basis of the information received from the inter-operating system operators, System Users, Customers and suppliers, while taking into account the guidelines for national energy policy, assessment of their implementation, as well as results of the market research carried out in accordance with point 4.1.3.
- 4.1.7 The TSO shall define a ten-year transmission system development plan, which shall be prepared at least biannually.
- 4.1.8 In addition to the plan referred to in point 4.1.7, the TSO shall prepare the following plans, which are updated every year:
 - 4.1.8.1 investment plans,
 - 4.1.8.2 maintenance plans.
- 4.1.9 In the definition of the plans mentioned in point 4.1.7 and 4.1.8 above the TSO shall take into consideration the following:
 - 4.1.9.1 security of the transmission system operation and the continuity of transmission services,
 - 4.1.9.2 need to adapt the transmission system to the applicable standards, as well as legal and technical regulations,
 - 4.1.9.3 the technical condition of the components of the transmission system,
 - 4.1.9.4 reduction of the costs of operation,

- 4.1.9.5 improvement of the technical capacity of the transmission system,
 - 4.1.9.6 connections to the transmission system,
 - 4.1.9.7 economic efficiency of investment projects.
- 4.2 In addition to the activities listed in point 4.1, the TSO shall cooperate with interoperating system operators and the System Users in the planning of the gas networks development.
- 4.3 In the ten-year transmission system development plan, the TSO shall take into account the results of the consultation process referred to in point 4.1.3 in respect of the development plans of DSOs, SSOs and OIRs. The ten-year transmission system development plan shall be published on the TSO's website.
- 4.4 The TSO and ISOs shall cooperate with respect to the coordination of the development of the transmission system and other interoperating systems, specifically by providing current information, updated at least once a year, concerning the planned investments and forecasts of the demand for gaseous fuels.

5 CONNECTION TO THE TRANSMISSION NETWORK

5.1 General conditions for connecting to the transmission network

- 5.1.1 In order to maximise the utilisation of the existing transmission infrastructure, the priority shall be given to connecting sources of supply, Customers and networks of other energy companies to the existing physical entry points or physical points.
- 5.1.2 In case when there is no possibility for the connection at an existing physical point of the transmission system, the TSO shall define the connection conditions for a new physical point that is to be located in the immediate vicinity of the existing transmission network, taking into consideration the location of the infrastructure to be connected and cost optimization.
- 5.1.3 The entity applying for the connection to the transmission network must have a legal title to the property, facility or network to be connected.
- 5.1.4 The connection to the transmission network shall be established under a connection agreement, following to the fulfilment by the entity applying for the connection of the requirements specified by the TSO in the conditions for connection to the transmission network.
- 5.1.5 If the Final Customer applying for connection of an installation referred to in Art. 38.2.y of the Act of 24 April 2009 on investments relating to regasification liquefied natural gas terminal in Świnoujście (Journal of Laws no. 84, item 700 as amended) requests the TSO to change the location of the measurement system (gas station), the transmission network connection agreement may include provisions agreed between the TSO and the applicant in the course of negotiation, concerning, inter alia, the new location of the measurement system (gas station), the rules of providing the access to the land under the gas station to the TSO and the minimum value of the contracted capacity.
- 5.1.6 Apart from the connection agreement, the connection of direct gas pipelines, gas networks, re-gasification facilities, nitrogen removal plants, upstream delivery facilities, including producing fields and mixing facilities to the transmission network operated by the TSO, shall require signing a separate agreement with the TSO, as referred to in point 3.8 and point 3.10, such agreement to set out the terms and ways of co-operation between the operators of such gas pipelines and facilities with the transmission system.
- 5.1.7 The connection of a distribution system or storage facilities to the transmission network of the TSO shall require that, apart from the connection agreement, an inter-operator transmission contract (ITC), including the annex referred to in point 3.9 is signed with the TSO.
- 5.1.8 The start of the delivery of gaseous fuel to a physical exit point to which the Customer's facility has been connected shall be conditional on the execution by the Customer of the agreement referred to in point 3.10 with the TSO.
- 5.1.9 The process of connection to the transmission network shall comprise the following steps:
 - 5.1.9.1 submission of a complete application by the applying entity for the definition of the connection conditions,

- 5.1.9.2 definition of the connection conditions by the TSO and delivery of the same to the entity seeking the connection by the TSO,
 - 5.1.9.3 delivery a draft connection agreement by the TSO to the entity seeking the connection,
 - 5.1.9.4 signature of the connection agreement,
 - 5.1.9.5 performance of the connection agreement,
 - 5.1.9.6 execution of the agreement referred to in point 3.8, point 3.9 or point 3.10.
- 5.2 Application for the definition of conditions for connection to the transmission network.
- 5.2.1 An entity applying for connection to the transmission network submits an application to the TSO for the definition of conditions for connection to the transmission network, together with the appendices, using the applicable form that is available at the TSO's offices posted on its website.
 - 5.2.2 For the purposes of determining the economic feasibility of the connection, the entity requesting the connection and engaged in distribution activity shall append an analysis to the application, estimating the expected volumes of gaseous fuel quantity off-take by year, broken down by the type of activity and customers and the use of the gaseous fuel (e.g. industrial production, heating) to be supplied from such physical point.
 - 5.2.3 At the request of an entity that does not have a title to use the site where the facilities, installations or networks to be connected are to be operated, the TSO shall provide information regarding the feasibility of connection to the network. The provisions of point 5.3 shall apply accordingly.
- 5.3 Conditions for connection to the transmission network.
- 5.3.1 The TSO examines the application that was filed by the entity on the basis of information provided in the application and the attached documents.
 - 5.3.2 In the event that the application fails to satisfy the formal requirements:
 - 5.3.2.1 the TSO shall request the entity within 7 days of the date of its receipt to supplement the application,
 - 5.3.2.2 the entity shall be obliged to deliver a supplemented application within the deadline set by the TSO. The deadline set by the TSO must not be shorter than twenty one (21) days of the receipt of the request referred to in point 5.3.2.1,
 - 5.3.2.3 if no supplemented application is delivered within the specified deadline, the TSO leaves the application without considering it.
 - 5.3.3 When the application conforms to formal requirements, a technical and economic analysis is carried out, during which the TSO assesses whether connection to the transmission network is technically feasible and economically justified.
 - 5.3.4 When considering the application, the TSO takes into account the existing transmission contracts (capacity allocation (PP)) and the existing connection

agreements, unless the deadline set out therein for the conclusion of an agreement to be the basis for the supply of gaseous fuels has lapsed.

- 5.3.5 The TSO shall have the right to request a declaration on the conformity the facilities, installations and networks of the entities applying for the connection to the relevant legal metrological requirements with a view to ensuring:
- 5.3.5.1 safety of the operation of the transmission system,
 - 5.3.5.2 protection of the transmission system against damage caused by any inappropriate operation of the connected facilities, installations and networks,
 - 5.3.5.3 protection of the connected facilities, installations and networks against damage in the event of an emergency or imposition on curtailment measures on the consumption or supply of gaseous fuels,
 - 5.3.5.4 adherence to the quality parameters of the gaseous fuel at the place of connection of the facilities, installations and networks,
 - 5.3.5.5 fulfilment of environmental requirements specified in separate regulations,
 - 5.3.5.6 ability to take measurements of the necessary values and parameters required for managing network operation and billing for the transmission of gaseous fuel.
- 5.3.6 Specifically, it is deemed that technical conditions for connection to the transmission network do not exist when the provision of transmission services to the entity applying for the connection undermines the reliability of transmission or quality of gaseous fuel or prevents the TSO from fulfilling other obligations imposed on it with regard to the protection of the interests of Customers and environmental protection.
- 5.3.7 Specifically, it is deemed that economic conditions for connection to the transmission network do not exist when the connection results in a detrimental change in the level of prices or charges for the provision of transmission services to other entities connected to the network.
- 5.3.8 The TSO may refuse to define the conditions for connection to the transmission network in the event when no economic or technical conditions exist for such a connection. This does not exclude the application of the provisions of Article 7.9 of the Energy Law.
- 5.3.9 The TSO shall inform the entity concerned and the President of ERO on its refusal to issue the connection conditions, or the issuance of connection conditions that partly consider the application for the connection conditions, stating the grounds for its decision.
- 5.3.10 The TSO shall define the connection conditions or provide the information on the inability to connect within the maximum deadline of:
- 5.3.10.1 60 days for entities engaged in transmission, distribution, production, processing, extraction or storage of gaseous fuel and liquefaction or re-gasification of liquefied natural gas, running from the date of the submission of a complete application,
 - 5.3.10.2 45 days for any other entities except for those specified in point 5.3.10.1, whose facilities and installations are directly connected to a high-pressure

transmission network, counting from the submission date of a complete application.

- 5.3.11 The TSO shall immediately inform the entities applying for the connection about any different date for issuing the connection conditions in the event that the deadlines set out in point 5.3.10 cannot be met due to some material reasons, and shall state the reasons for such failure to meet the deadline.
- 5.3.12 Change to the connection conditions may be made by way of submitting a new application to the TSO for the definition of connection conditions, or by virtue of the provisions of a connection agreement.
- 5.3.13 The conditions of connection shall specify, in particular:
- 5.3.13.1 the place of connection of the gas pipelines or gas installations or gas networks to the SGT and their technical parameters,
 - 5.3.13.2 extent of necessary adaptations in the network related to the connection to a gas network,
 - 5.3.13.3 technical parameters of the connection line to the gas network,
 - 5.3.13.4 group and sub-group of the gaseous fuel in accordance with PN-C-04750/2011 "Gaseous fuels, classification, labelling and requirements",
 - 5.3.13.5 the minimum and maximum pressures for the supply and off-take of gaseous fuel,
 - 5.3.13.6 the requirements applicable to the measurement system and the location where it is to be installed,
 - 5.3.13.7 the connection capacity,
 - 5.3.13.8 delivery and off-take profile, including the minimum and maximum hourly quantities and volumes of gaseous fuel and yearly quantities of gas fuel,
 - 5.3.13.9 the place for the delivery and off-take of gas,
 - 5.3.13.10 point delimiting the ownership of the TSO's transmission system and the facilities, installations or networks owned by the entity to be connected,
 - 5.3.13.11 the requirements related to the features of a gas station or a measurement system, type of such system, as well as telemetry and cathodic protection systems,
 - 5.3.13.12 expected starting date for off-take of gaseous fuel,
 - 5.3.13.13 intended use for the gaseous fuel.
 - 5.3.13.14 estimated expenditures on the construction of the connection.
- 5.3.14 In addition to the data specified in point 5.3.133, the connection conditions for a storage facility shall specify:
- 5.3.14.1 working volume of the storage facility,
 - 5.3.14.2 expected operating characteristics of the storage facility,
 - 5.3.14.3 minimum and maximum hourly quantities and volumes of gaseous fuel and yearly quantities of gaseous fuel off-taken for own consumption needs of the storage facility.

- 5.3.15 In addition to the data specified in point 5.3.133, the connection conditions for sources interoperating with the transmission system shall also specify the composition of the gaseous fuel supplied to the transmission system.
- 5.3.16 In the event when multiple applications for the definition of conditions for connection to the transmission network have been submitted, and their implementation would involve the use of the same technical capacity of the transmission system, or when the submitted applications concern entirely or partly overlapping areas – the TSO shall define the connection conditions for all the entities whose applications meet the technical and economic criteria of connection, indicating this fact to the parties concerned, and informing them about the principles for the execution of connection agreements resulting from points 5.4.2 and 5.4.5..
- 5.4 Transmission network connection agreement.
- 5.4.1 The transmission network connection agreement is concluded when technical and economic conditions exist for connection to the transmission network or in the case specified in Article 7.9 of the Energy Law.
- 5.4.2 The draft of the transmission network connection agreement shall be sent to the applicant without undue delay but not later than within thirty (30) days of the date of the issuance of the connection conditions, in accordance with the order of the submitted application for the issuance of connection conditions. If the entity requesting the connection submitted multiple applications for the definition of the connection conditions at the same physical point or for the same area of supply, the TSO shall send a draft network connection agreement only once the entity requesting the connection indicates to the TSO the connection conditions that have been selected by the entity for the given physical point. The delivery of the draft transmission network connection agreement by the TSO shall not constitute a contractual offer within the meaning of the Civil Code.
- 5.4.3 The transmission network connection agreement may be executed within two years of the issuance of the connection conditions by the TSO, in accordance with point 5.4.4, unless a change of the technical conditions of the transmission system has taken place, according to point 5.4.5.
- 5.4.4 The TSO shall be obliged to enter into a transmission network connection agreement, in accordance with the principle of non-discriminatory treatment of entities applying for such connection, if the technical and economic conditions for connecting to the network exist and the entity applying for the conclusion of the agreement satisfies the conditions for connection to the network.
- 5.4.5 When network connection conditions have been defined and the fulfilment of such conditions would require the use of the same technical capacity of the transmission system, or the network connection conditions concern an entirely or partly overlapping area, the TSO shall enter into network connection agreements taking into account the order of receiving draft connection agreements unilaterally signed by the applicant, to the extent allowed by the existing technical conditions, including in particular the available technical capacity of the transmission network.

- 5.4.6 The TSO shall inform the entities that received the connection conditions referred to in point 5.3.16, unless the deadline referred to in point 5.4.3 has lapsed, about the following:
- 5.4.6.1 any limitations of the technical capacity of the transportation system for the physical point concerned by the issued connection conditions,
 - 5.4.6.2 the definition and delivery of connection conditions to further applicants, whenever the implementation of such conditions would require the use of the same technical capacity of the transmission system, or when such conditions concern an entirely or partly overlapping area,
 - 5.4.6.3 the execution of network connection agreements and the lack of technical conditions for connection to the transmission network (i.e. expiry of the transmission network connection conditions).
- 5.4.7 The network connection agreement shall constitute a basis for the commencement of engineering design and construction and assembly work subject to the terms and conditions set out therein.
- 5.4.8 The network connection agreement shall specify in particular the following:
- 5.4.8.1 rights and obligations of the parties, including the expected execution date of the agreement to be the basis for the supply of gaseous fuel,
 - 5.4.8.2 connection capacity and contracted capacity in each year until the year when the target capacity is to be reached for the physical entry or exit point to be connected,
 - 5.4.8.3 minimum and maximum hourly volumes and quantities and yearly quantities of gaseous fuel intended for delivery and/or off-take,
 - 5.4.8.4 term and termination conditions of the agreement,
 - 5.4.8.5 the liability of the parties for a default under the network connection agreement, including any delay in the completion of work with respect to the deadlines set out in the agreement, a failure to perform the obligations referred to in point 5.4.8.1, or withdrawal from the agreement,
 - 5.4.8.6 connection completion date,
 - 5.4.8.7 amount or method of determination of the connection fee and the payment dates of individual instalments,
 - 5.4.8.8 point delimiting the ownership of the transmission network and the installations or networks of the entity to be connected,
 - 5.4.8.9 scope of work required to establish the connection,
 - 5.4.8.10 requirements as to the location of the measurement and billing system and its parameters,
 - 5.4.8.11 the principles on which the Customer uses other sources of energy in the event of stoppages or restrictions in the supply of gaseous fuels,
 - 5.4.8.12 conditions of access to the real property controlled by the connected entity for the purposes of network construction or expansion, as required to establish the connection.
- 5.4.9 The entity to be connected to the transmission network shall present a financial security against the connection fee in the amount specified in the connection agreement.

6 TRANSMISSION CONTRACT

- 6.1 The provision of capacity (contracted capacity) under the capacity allocation (PP) and the provision of transmission services within the limits of the transmission ability allocation (PZ) and balancing services shall take place under a transmission contract, including an inter-operator transmission contract (ITC).
- 6.2 Application for Transmission Contract, including an inter-operator transmission contract (ITC).
- 6.2.1 The application for transmission contract is submitted via the IES after registering in the IES and obtaining a login and password to the IES in accordance with the IES rules.
- 6.2.2 The entity applying for the execution of a transmission contract ("Applicant") shall submit together with the application for transmission contract, the scans of the following documents and certificates, or copies thereof authenticated by individuals authorized to represent the entity, or a legal counsel or attorney:
- 6.2.2.1 documents confirming the legal status of the activity carried out by the Applicant, including specifically a confirmation of Applicant in the Central Registration and Information on Business (CEIDG) or a current extract from the National Court Register (KRS), and in case of an entity without a registered office in the territory of the Republic of Poland, a current extract from the relevant commercial register obtained in accordance with the principles specified in the regulations of the country where the applicant has its registered office,
- 6.2.2.2 power of attorney or other documents confirming the right of the individuals who represent the Applicant to incur obligations on its behalf, unless such right can be inferred from the content of the document referred to in point 6.2.2.1,
- 6.2.2.3 certificate of tax identification number for the purposes of the tax on goods and services (VAT) for Applicants based in the European Union Member States, unless this information can be inferred from the content of the document referred to in point 6.2.2.1,
- 6.2.2.4 Applicants having their registered office in the territory of the Republic of Poland shall also present a certificate of REGON statistical number, unless this information can be inferred from the content of the document referred to in point 6.2.2.1,
- 6.2.2.5 Applicant carrying out an activity in the territory of the Republic of Poland shall present a licence promise, excerpt of the licence, decision on designation as an operator or a declaration signed by persons authorised to represent the Applicant that the activities carried out by the Applicant do not require a licence under the Energy Law,
- 6.2.2.6 Power of attorney for the persons authorised to represent the Applicant in the procedure of concluding capacity allocation or ability allocation via the IES,
- 6.2.2.7 Applicant intending to take part in available capacity allocation procedure in the auction procedure may present a power of attorney for the individuals that will represent the Applicant in the course of the auction at the Auction Platform or other platform specified by the TSO, in accordance with the form published on the TSO's website,

- 6.2.2.8 In addition to the documents referred to in points from 6.2.2.1 to 6.2.2.7, an Applicant without a registered office on the territory of the Republic of Poland shall also present, together with the application for transmission contract, the sworn translation to the Polish language of the documents which are not executed in the Polish language.
- 6.2.3 The Applicant shall be obliged to notify the TSO immediately of any changes to the data and documents contained in the submitted application and to update such data and documents that have changed. The above obligation shall concern any changes that occur in the period after the date of the application submission by the Applicant until the date of the execution of the transmission contract with the Applicant, as well as during the term of the transmission contract. The provisions of point 6.2.2.8 shall apply as appropriate. The designation or change of the individual authorised to represent the System User in an auction shall be made through the submission of a new form of the power of attorney
- 6.2.4 After obtaining the application for a transmission contract, the TSO shall review the application to verify the completeness and validity of the data contained therein and the enclosed documents. The TSO shall consider the application for a transmission contract within fourteen (14) days of the date of its receipt. After considering the application for a transmission contract the TSO shall advise the Applicant of either its acceptance or rejection, or request the Applicant to supplement the application.
- 6.2.5 The TSO shall request the Applicant to supplement the application for a transmission contract in case when any essential data is missing or the application is incomplete. The Applicant should deliver the supplemented application for a transmission contract within fourteen (14) days of receiving the request for its supplementation. If the supplemented application for a transmission contract is not delivered within the required time limit, the TSO shall leave the application unconsidered.
- 6.2.6 The information that the application was not considered, rejected, or the refusal to execute the transmission contract shall be immediately communicated by the TSO to the applicant in writing together with the grounds.
- 6.2.7 In case of accepting the application, the TSO shall send a draft transmission contract to the applicant against a confirmation of receipt within three (3) business days of finalising the application consideration process, such draft to be prepared on the basis of the currently applicable specimen.
- 6.2.8 The applicant shall submit the signed draft contract to the TSO against a confirmation of receipt within thirty (30) days of the delivery date of such draft together with the original copies of the documents and certificates referred to in point 6.2.2 or with their copies authenticated by individual authorised to represent the entity, or by a legal counsel or attorney.
- 6.2.9 If the applicant fails to deliver a signed draft transmission contract or does not object the content of draft transmission contract within the deadline specified in point 6.2.8, its application for transmission contract shall be deemed withdrawn and the applicant shall be informed thereof by the TSO without delay. In the event when the applicant reports some objections as to the content of the draft transmission contract, the TSO, within fourteen (14) days of

receiving the relevant comments, shall respond to the applicant and present the TSO's position in this regard.

- 6.2.10 The TSO sends the applicant a signed transmission contract by recorded delivery post within twelve (12) days of the date of delivery of the contract that is signed by the applicant.
- 6.2.11 In the event of the rejection of the application or the refusal to sign the transmission contract, the TSO shall immediately notify the President of ERO stating the grounds for such refusal.
- 6.3 A System User shall provide a financial security in the amount and form specified in the transmission contract to secure the claims of the TSO under the transmission contract.
- 6.4 Transmission Contract.
- 6.4.1 In order to ensure non-discriminatory treatment of all entities applying for the conclusion of a transmission contract, the TSO shall use a standard form of the transmission contract, which is published on the TSO's website.
- 6.4.2 Upon the conclusion of the transmission contract, the applicant shall receive the status of a System User.
- 6.4.3 The contract signing by the applicant is synonymous with the acceptance of all conditions of the transmission contract and all the provisions of the TNC.
- 6.4.4 Attached to the transmission contract is the "allocation of capacity and ability". The Annex "allocation of capacity and ability" is concluded based on the annex template published on the TSO's website. The Annex "allocation of capacity and ability" defines the capacity allocation (PP) and/or the transmission ability allocation (PZ), including the amount of capacity (contracted capacity) allocated to the Network User, type of allocated capacity (contracted capacity), i.e. on a firm or interruptible basis, and the product (time for which the capacity (contracted capacity) is allocated). Conclusion of the Annex "allocation of capacity and ability" takes place in electronic form by providing access to the electronic document in the IES by the TSO. The printout of the annex "capacity and transmission ability allocation" made through the IES shall constitute the confirmation of its execution.
- 6.4.5 The transmission contract and the Annex "allocation of capacity and ability" shall be executed in the Polish language. Upon a request of the System User, the TSO shall execute the transmission contract together with capacity allocation (PP) and transmission ability allocation (PZ) in the Polish and English language, provided that in case of any inconsistencies between the Polish and English language version, the Polish language version of the document shall prevail.
- 6.4.6 Under the transmission contract the System User without an executed capacity allocation (PP) or transmission ability allocation (PZ) shall not be eligible to any capacity or capacity at entry points or exit points to/from the transmission system. Under the transmission contract, or along with the application for transmission contract, the System User of the Applicant may apply for the capacity allocation (PP) and transmission ability allocation (PZ).

7 CAPACITY ALLOCATION (PP)

- 7.1 General principles of providing available capacity of the transmission system.
- 7.1.1 The access to available capacity may only be sought by the System User or the Applicant applying for the execution of a transmission contract.
- 7.1.2 The TSO shall provide the available capacity in a physical entry point and physical exit point, including the capacity in a physical interconnection entry point or interconnection exit point, to the Network User.
- 7.1.3 The Network User may use both firm and interruptible capacity (contracted capacity) at a given physical entry point or physical exit point.
- 7.1.4 The TSO shall determine available capacity having considered:
- 7.1.4.1 capacity (contracted capacity) allocated under capacity allocations (PP),
 - 7.1.4.2 existing network connection agreements, unless the expected date for the conclusion of the gaseous fuel supply agreement specified under these agreements has already passed,
 - 7.1.4.3 available capacity retained to be made available as a bundled product together with ISO.
- 7.1.5 The available capacity of a physical entry point and physical exit point from the transmission system shall be provided to the Network User under a transmission contract, including an inter-operator transmission contract (ITC) and the capacity allocation (PP), subject to point 7.1.7, point 7.1.8 and point 7.1.11.
- 7.1.6 The capacity (contracted capacity) allocated under the capacity allocation (PP) shall be the basis for the application of charges in respect of the transmission of gaseous fuel.
- 7.1.7 The available capacity of an interconnection physical entry point from a storage facility connected to the transmission system (MFPWE_{OSM}) and an interconnection physical exit point to such facility (MFPWY_{OSM}) shall be only provided to the SSO under an inter-operator transmission contract (ITC) and a capacity allocation (PP). Upon the execution of the inter-operator transmission contract (ITC) the SSO shall become the Network User. The provisions concerning the transmission contract shall apply to the inter-operator transmission contract (ITC), subject to point 3.9.3.
- 7.1.8 The available capacity of an interconnection physical entry point to the transmission system from a distribution system (MFPWE_{OSD}) and an interconnection physical exit point to the distribution system (MFPWY_{OSD}) shall be only provided to the relevant DSO under an inter-operator transmission contract (ITC) and a capacity allocation (PP). Upon the execution of the inter-operator transmission contract (ITC) the DSO shall become the Network User. The provisions concerning the transmission contract shall apply to the inter-operator transmission contract (ITC), subject to point 3.9.2.
- 7.1.9 In case when an application is filed for capacity allocation (PP) in a physical point which is not listed in the list of points in the transmission system posted on the TSO's website, the connection procedure shall apply. The connection

procedure shall also apply when the application for capacity allocation (PP) concerns a physical point listed in the above list but the provision of the transmission services involves reconstruction of such point. In such cases the application for capacity allocation (PP) shall be rejected in the part that cannot be executed, and the applicant shall be informed about the need to submit an application for connection in accordance with the procedure described in point 5.2.

- 7.1.10 The available firm capacity of an existing physical entry or exit point at an interconnection with a transmission system of a member state of the European Union or a physical point of interconnection between transmission systems enabling the provision of integrated capacity services, to the extent agreed with the interoperating system operator, shall be first made available by the TSO on a bundled basis, under a non-discriminatory and transparent procedure described in point 7.5. Inasmuch as the available capacity of such points is not made available under bundled rules, the allocation of available capacity shall take place in the course of the auction procedure, in accordance with point 7.4 under non-bundled rules.
- 7.1.11 The available firm or interrupted capacity of the Point of Interconnection (PWP) shall be first made available on a bundled basis, under the auction procedure. The participation of the available capacity offering procedure in respect of the bundled capacity of the Point of Interconnection (PWP) shall only be open to the System User that is a party to a current contract for transmission services provided through the Transit Gas Pipeline System executed with Gas Transmission Operator GAZ-SYSTEM S.A.
- 7.1.12 Available firm capacity of a physical entry point (FPWE_{OIR}) at the interconnection with the LNG terminal facility (regasification facility) is allocated to the System User which has concluded regasification service contract with OIR, under which gaseous fuel is to be delivered to FPWE_{OIR}, once the TSO receives the information from the OIR about the allocation of regasification capacities to given System User. The capacity of a physical entry point (FPWE_{OIR}) is allocated for the same time as the contracted capacity acquired by the System User from OIR:
- 7.1.12.1 on a firm basis: in the quantity corresponding to the sum of average capacities of regasification specified in the regasification orders concluded by this System User
- 7.1.12.2 on an interruptible basis: in the quantity corresponding to the difference between the sum of contract capacities and the sum of average capacities of regasification specified in the regasification orders concluded by this System User,
- 7.1.13 The offering of newly built and expanded physical entry or exit points at the interconnections with the transmission systems of other transmission systems shall be executed by the TSO under a non-discriminatory and transparent Open Season procedure, to the extent agreed with the ISO (including the capacity made available on a bundled basis) and subject to the terms and conditions determined each time in relevant regulations agreed by the President of ERO.
- 7.1.13.1 The TSO shall announce the commencement of the procedure on the TSO's website at least 30 days in advance.

- 7.1.13.2 A refusal to allocate newly built capacity under the procedure must not be due to the fact that the technical capacity of the transmission system (including the measurement facilities) which is the subject of this procedure does not exist and is to be provided after concluding the transmission contract.
- 7.1.14 The TSO shall allocate the available capacity of the transmission system for yearly, quarterly, monthly periods and for a single gas day, within-day, separately for:
- 7.1.14.1 firm capacity,
 - 7.1.14.2 firm reverse-flow capacity,
 - 7.1.14.3 interruptible conditionally firm capacity,
 - 7.1.14.4 interruptible capacity,
 - 7.1.14.5 interruptible reverse-flow capacity.
- 7.1.15 When making available firm capacity, the TSO shall provide the Network User with continuous access to such capacity (contracted capacity), except for the periods of agreed scheduled maintenance in the transmission system or emergency situations and the imposition of curtailment measures in accordance with the provisions described in the TNC.
- 7.1.16 For a physical exit point (FPWY), interruptible conditionally firm capacity may be made available by the TSO. In such case, the Network User is provided with continuous access to the capacity provided that gaseous fuel is supplied at a physical entry point(s) (FPWE) determined by the TSO. Information on interruptible conditionally firm capacity available at physical exit points (FPWY) shall be published by the TSO on the TSO's website, together with the indication of the entry points (PWE) at which supply of gaseous fuel is required. The interruptible conditionally firm capacity shall be allocated by the TSO when there is no possibility of allocating firm capacity at the point concerned:
- 7.1.16.1 and the allocation of interruptible conditionally firm capacity (contracted capacity) was agreed in the transmission network connection agreement with the Customer, including the DSO, connected at this physical exit point (FPWY); or
 - 7.1.16.2 in the case of FPWY_{OSP}.
- 7.1.17 With respect to the term of the performance of the transmission service, the following products shall be offered:
- 7.1.17.1 yearly – where the capacity is made available for the term of one gas year, at a constant rate for each hour during the gas year;
 - 7.1.17.2 quarterly – where the capacity is made available for the term of one quarter in a gas year (consecutive quarters of the gas year start, respectively, on 1 October, 1 January, 1 April or 1 July), at a constant rate for each hour during the quarter;
 - 7.1.17.3 monthly – where the capacity is made available for the term of one month in a gas year (consecutive months start on 1st day of each gas month), at a constant rate for each hour during the month;
 - 7.1.17.4 daily – where the capacity is made available for the term of one gas day.

- 7.1.17.5 within-day – where the capacity is made available for a given hour in the gas day to the end of this gas day
- 7.1.18 The level of capacity (contracted capacity) contracted on a firm basis should fit within the measurement range of the measurement devices and the capacity of the process equipment installed at the given physical entry or exit point.
- 7.1.19 The TSO may indicate the physical entry points to the transmission system, at which, due to technical limitations, the capacity may vary in different months of the gas year. The list of such points shall be published on the TSO's website.
- 7.1.20 If curtailment is imposed pursuant to the Stockpiling Act, the capacity (contracted capacity) for a given product may be specified at different levels in different periods of this product.
- 7.1.21 The value of capacity (contracted capacity) specified in the capacity allocation (PP) is expressed in natural numbers.
- 7.2 Interruptible capacity.
- 7.2.1 For each physical exit and entry point, the amount of capacity that may be provided on an interruptible basis shall be defined by the TSO.
- 7.2.2 In case when firm capacity (contracted capacity) is acquired by the Network User at an entry/exit point (FPWE/FPWY) where such Network User previously acquired for the same period interruptible capacity for a yearly, quarterly or monthly term, the Network User shall have the right to release the interruptible capacity for yearly, quarterly or monthly in the amount corresponding to the acquired firm capacity. A declaration on releasing the interruptible capacity shall be delivered by the Network User to the TSO within three (3) business days from the day the capacity to be released was acquired. The respective changes to the capacity allocation (PP) take place upon providing access to the documents in electronic form in IES. The remaining capacity (contracted capacity), which has not been released by the Network User for the product, shall be adjusted to respective shorter-term products matching the outstanding term, to the extent this is required in view of the term in which the modified capacity allocation is in effect, provided that first the capacity allocation shall be matched to products with the longest possible term matching the outstanding term.
- 7.2.3 Interruptible capacity shall not be allocated at physical exit points to Customers or facilities where this could cause threats or disturbances referred to in § 2 Section 2 of the regulation of the Council of Ministers of 19 September 2007 concerning the method and procedure for the implantation of gas curtailment measures (Journal of Laws No 178, Item 1252).
- 7.2.4 The capacity of interconnection physical exit and entry points to/from a distribution system and to/from a storage facility (MFPWE_{OSD}, MFPWY_{OSD}, MFPWE_{OSM}, MFPWY_{OSM}) shall be provided on an interruptible basis only when technical capacity has been allocated in full on firm basis. Interruptible capacity shall be allocated subject to the approval by the ISO unless such ISO reckons that a breach of the provisions of point 7.2.3 has taken place.

- 7.2.5 TSO shall have the right to reduce the performance of transmission service when the capacity is allocated on interruptible basis at a given physical entry point or physical exit point due to a failure to maintain the quality parameters of gaseous fuel specified in the TNC, performance of the transmission service for products allocated on a firm basis, maintenance and repairs of the transmission network, restrictions related to the supplying or supplied markets, performance of public service obligations or due to capacity management under congestion management procedures.
- 7.2.6 The TSO may also limit the capacity (contracted capacity) when agreed works are being carried out in the transmission system, or in emergency situations and implementing limitations, according to provisions set out in the TNC.
- 7.2.7 The Network User shall conform to the restrictions on the interruptible capacity (contracted capacity) introduced by the TSO at a given physical entry point or physical exit point. A failure by the Network User to conform to the introduced restrictions shall constitute a capacity (contracted capacity) overrun.
- 7.3 Reverse-flow transmission service (Reverse-flow capacity).
- 7.3.1 The reverse-flow transmission services are provided by the TSO at a limited number of physical points identified in the TSO's website .
- 7.3.2 The reverse-flow transmission service may be provided either as::
- 7.3.2.1 firm capacity – reverse flow transmission service,
 - 7.3.2.2 interruptible capacity - virtual reverse flow transmission service.
- 7.4 The allocation of capacity under the auction procedure in $FPWE_{PPM}$, $FPWY_{PPM}$, $FPWE_{OSP}$, $FPWY_{OSP}$ and PWP.
- 7.4.1 The allocation of yearly, quarterly, monthly and daily products within the available capacity on a firm or interruptible basis, as well as within-day products within the available capacity on a firm basis at physical entry and exit points at interconnections with transmission systems of neighbouring countries ($FPWE_{OSP}$ and $FPWY_{OSP}$), and at the Point of Interconnection (PWP), and at points of interconnection connecting transmission systems for the purposes of providing integrated capacity services ($FPWE_{PPM}$) and ($FPWY_{PPM}$) shall take place through an auction.
- 7.4.2 The capacity available on a firm basis at $FPWE_{PPM}$, $FPWY_{PPM}$, $FPWE_{OSP}$, $FPWY_{OSP}$ and PWP is provided with the following assumptions:
- 7.4.2.1 a maximum of 90% of technical capacity of the given point is provided in a gas year (R) for yearly products provided for gas years from R+1 to R+5,
 - 7.4.2.2 a maximum of 80% of technical capacity of the given point is provided in a gas year (R) for yearly products provided for gas years from R+6 to R+15,
 - 7.4.2.3 at least 10% of technical capacity and the capacity (contracted capacity) not allocated through auction of products referred to in 7.4.2.1 and 7.4.2.2 of the given point is offered for quarterly products provided for the next gas year,
 - 7.4.2.4 unsold capacity of products referred to in 7.4.2.3, is offered as part of monthly, daily or within-day products.

- 7.4.3 Capacity allocation on a firm or interruptible basis for FPWE_{PPM}, FPWY_{PPM}, FPWE_{OSP}, FPWY_{OSP} and PWP, is made for:
- 7.4.3.1 yearly product, for any of the fifteen (15) gas years, which are consecutive and fall after the gas year in which the capacity is allocated with respect to firm capacity, and for the next gas year for interruptible capacity;
 - 7.4.3.2 quarterly product, for a quarter in the gas year following the gas year when the capacity is allocated;
 - 7.4.3.3 monthly product, for a gas month following the month when the capacity is allocated;
 - 7.4.3.4 daily product, for a gas day following the day when the capacity is allocated;
 - 7.4.3.5 within-day product, for the period from the given hour in the gas day to the end of the gas day.
- 7.4.4 The available capacity of FPWE_{PPM}, FPWY_{PPM}, FPWE_{OSP}, FPWY_{OSP} and PWP, provided as unbundled, is provided as a yearly or quarterly product for the gas year following the gas year of the auction, or as monthly, daily and within-day products in the gas year of the auction, or as a monthly, daily and within-day products in the gas year following the gas year in which the available capacity is provided in the case when the providing of the capacity takes place, respectively, in the last gas month of the gas year or in the last gas day of the gas year. In case when a transmission contract for unbundled capacity exists on the other side of the FPWE_{PPM}, FPWY_{PPM}, FPWE_{OSP}, FPWY_{OSP} and PWP, the technical capacity may be provided as unbundled capacity only to the maximum extent and for the maximum term resulting from such transmission contract.
- 7.4.5 the TSO provides capacity on an interruptible basis in FPWE_{PPM}, FPWY_{PPM}, FPWE_{OSP}, FPWY_{OSP} and PWP for yearly, quarterly and monthly, while 90% of the technical capacity of the physical point has been allocated under the products made available on a firm basis.
- 7.4.6 The TSO provides capacity on an interruptible basis in FPWE_{PPM}, FPWY_{PPM}, FPWE_{OSP}, FPWY_{OSP} and PWP for daily and within-day products, where 100% of technical capacity of the physical point has been allocated for the products provided on a firm basis.
- 7.4.7 If capacity allocation on a firm basis relates to a yearly, quarterly or monthly product at the entry point at an interconnection with the transmission system of the country not being a member state of the European Union or the European Free Trade Association (EFTA) – being a party to the Agreement on the European Economic Area, the System User shall submit to the TSO, 21 (twenty one) days before the start of the auction procedure, a document confirming that gaseous fuel supply is ensured to the entry point for which the auction procedure is carried out. The document confirming the above may be in particular a contract, contract promise, preliminary contract or extracts from these documents, concluded with suppliers or ISO, confirming the commitment of such suppliers or ISO to supply gaseous fuel to the entry points to the TSO's transmission.
- 7.4.8 Contracts or extracts from the documents referred to in 7.4.7 should contain at least the following data:

- 7.4.8.1 duration of the contract and any clauses limiting its implementation, together with the conditions for its dissolution,
 - 7.4.8.2 capacity (contracted capacity) (along with the definition adopted in the contract) in each year of the contract,
 - 7.4.8.3 confirmation of meeting the quality parameters and pressure at entry points in accordance with the requirements specified and published by the TSO.
- 7.4.9 The contracts referred to in 7.4.8 should be submitted as originals, extracts of contracts drawn up by a notary public, or photocopies certified as true copies by an attorney or a person authorized to represent. The documents referred to in 7.4.7 should be submitted in Polish or be accompanied by a certified translation into Polish. Extracts from contracts should contain a statement of persons authorized to represent the System User, that the data contained in the extract are consistent with the content of the contracts concluded by the entity in question. The documents referred to above shall be submitted to the TSO in paper or as an electronic document scan.
- 7.4.10 In case of failure to submit the documents referred to in 7.4.7, or if the submitted documents do not meet the requirements set out under 7.4.7 or 7.4.8, the TSO shall no later than five (5) business days from the date of receipt of these documents call the applicant to provide supplementary documents and information within five (5) business days from the date of delivery of this request; failure to do so will prevent the applicant from taking part in the auction for the products provided for the points referred to in 7.4.7.
- 7.4.11 If the documents referred to in 7.4.7 show that the System User is guaranteed a supply of gaseous fuel to the entry point in a certain amount, which less than the capacity made available at this point, the TSO shall allow this System User to participate in the auction up to the maximum amount of capacity (contracted capacity) specified in the submitted documents.
- 7.4.12 Auction procedure.
- 7.4.12.1 The right to participate in an auction is granted to the Auction Participant, i.e. System User, who has a signed transmission contract and received a login and password for the Auction Platform.
 - 7.4.12.2 Prior to the auction, the TSO will publish on its website information on:
 - 7.4.12.2.1 the name of the physical entry or exit point the available capacity of which will be made available through the auction,
 - 7.4.12.2.2 the products made available through the auction and the amount of available capacity made available for each product,
 - 7.4.12.2.3 the date of the auction,
 - 7.4.12.2.4 the value of small and big price steps– for ascending clock auctions, or
 - 7.4.12.2.5 the minimum price – for uniform-price auctions.
 - 7.4.12.3 The information referred to in 7.4.12.2 will be published by the TSO at the latest:
 - 7.4.12.3.1 one (1) month prior to an auction of yearly products,

- 7.4.12.3.2 two (2) weeks prior to an auction of quarterly products,
 - 7.4.12.3.3 one (1) week prior an auction of monthly products,
 - 7.4.12.3.4 at the start of an auction of daily products,
 - 7.4.12.3.5 upon completion of an auction for daily products and each time before the start of each auction for within-day products.
- 7.4.12.4 Auctions are held on the dates set out in the Auction Calendar.
- 7.4.12.5 Auctions of yearly, quarterly and monthly products are conducted using an ascending clock auction algorithm. Auctions of daily and within-day products are conducted using a uniform-price auction algorithm.
- 7.4.13 Internet platform for conducting auctions
- 7.4.13.1 Auctions are conducted on the Auction Platform, following the rules of the Auction Platform.
 - 7.4.13.2 If the auction is not held on the Auction Platform, the TSO shall hold the auction on an Internet platform agreed and approved by the President of ERO. The TSO shall publish on its website information about the Internet platform which will be used for conducting auctions no later than together with the information referred to in point 7.4.12.2. The auction will be held in accordance with the rules of the Internet platform
- 7.4.14 In the event when, in the process of capacity allocation through an auction it is necessary to use auction mechanisms, including price steps (in an ascending auction or a uniform-price auction), i.e. in case when the demand for capacity exceeds the capacity offered in the auction, the TSO shall charge an auction margin in the amount established upon the completion of the respective auction procedure.
- 7.4.15 The TSO shall charge the auction margin earned as a result of the auction of a given capacity product in each billing period on the basis of a basic invoice. The revenues from the auction margin shall be subject to the scrutiny by the President of ERO and shall be used by the TSO for development of the transmission system with a view to eliminating any system congestion at the interconnections between the transmission system and transmission systems of other countries.
- 7.4.16 The TSO shall report to the President of ERO, on a quarterly basis, on the revenue generated from the auction margin paid by the Network Users and on the use of the said funds for the planned or on-going development of the transmission system with a view to eliminating any system congestion at the interconnections between the transmission system and transmission systems of other countries.
- 7.5 Providing capacity on a bundled basis.
- 7.5.1 Available capacity of physical entry or exit points at the interconnection with a transmission system of a Member State of the European Union, referred to in 7.1.10, is provided by the TSO on a bundled basis in a common auction carried out in accordance with the rules referred to in 7.4, conducted by the TSO and ISO.

- 7.5.2 The TSO may provide the available capacity on a bundled basis at physical entry or exit points at the interconnection with a transmission system of a neighbouring country not being a Member State of the European Union.
- 7.5.3 As a result of a procedure of allocating available capacity at a point at the interconnection of transmission systems, allocating available capacity at the Point of Interconnection (PWP), or allocating available capacity at a point of interconnection connecting transmission systems for the purposes of providing integrated capacity services carried out jointly by inter-operating system operators, the allocation in both systems shall be made for the same entity, the same amount of available capacity (contracted capacity), and the same product.
- 7.5.4 Before the auction of capacity on a bundled basis, the TSO, in addition to the information referred to in 7.4.12.2, shall publish on its website information on:
- 7.5.4.1 name of ISO providing its capacity in the auction together with the TSO,
 - 7.5.4.2 Internet platform where the auction of capacity on a bundled basis will be conducted,
 - 7.5.4.3 currency of the auction,
 - 7.5.4.4 division ratio of the auction margin earned from the auction of each of the bundled capacity products between the TSO and ISO.
- 7.5.5 In the event that for the auction of capacity on a bundled basis the currency will be other than PLN, the following principles shall apply:
- 7.5.5.1 before the beginning of the auction, the rate of transmission service specified in the Tariff for each of the products related to capacity on a bundled basis will be converted by the TSO – exclusively for publication on the Internet platform – into the currency relevant for the auction at the average exchange rate quoted by the Central European Bank on the business day preceding the date of publication of the information referred to in 7.5.4;
 - 7.5.5.2 after closing of the auction, the value of the auction margin earned as a result of the auction will be converted by the TSO to PLN at the average currency exchange rate relevant for the auction, quoted by the Central European Bank on the business day preceding the date of publication of the information referred to in 7.5.4.
- 7.6 Allocation of Capacity at $FPWE_{ZDO}$, $FPWE_M$, $FPWE_{OA}$, $MFPWE_{OSD}$, $MFPWE_{OSM}$, $FPWY_{OK}$, $FPWY_M$, $FPWY_{OA}$, $MFPWY_{OSD}$ and $MFPWY_{OSM}$.
- 7.6.1 Capacity on a firm and interruptible basis is provided on the System User's request.
- 7.6.2 The allocation of capacity on a firm and interruptible basis is made for:
- 7.6.2.1 yearly products for the gas year after the gas year of the capacity allocation;
 - 7.6.2.2 quarterly or monthly products, for the gas year following the gas of the capacity allocation, or for the gas year of the capacity allocation.

- 7.6.3 the TSO provides capacity on an interruptible basis when the entire technical capacity of the given physical point has been allocated for products provided on a firm basis.
 - 7.6.4 The allocation of capacity at interconnection physical entry points ($MFPWE_{OSD}$) and interconnection physical exit points ($MFPWY_{OSD}$) is done exclusively for the DSO, whose distribution system is connected to the transmission system at these points.
 - 7.6.5 The allocation of capacity at interconnection physical entry points ($MFPWE_{OSM}$) and in interconnection physical exit points ($MFPWY_{OSM}$) is done exclusively for the SSO, whose system is connected to the transmission system at these points.
 - 7.6.6 Request for allocation of capacity.
 - 7.6.6.1 The System User submits a request for allocation of capacity, which results in obtaining:
 - 7.6.6.1.1 capacity allocation (contracted capacity) on a firm or interruptible basis in the procedure of providing capacity referred to in 7.6.9 for yearly, quarterly or monthly products in the gas year following the gas year when the request is submitted,
 - 7.6.6.1.2 capacity allocation (contracted capacity) on a firm or interruptible basis for quarterly or monthly products, no earlier than two (2) months and no later than two (2) weeks before the expected starting date of using the capacity (contracted capacity),
 - 7.6.6.1.3 capacity allocation (contracted capacity) at physical exit points for yearly products in the gas year following the gas year when the request was submitted, in the course of the gas year, and beyond the procedure of providing capacity, when this is justified by the TSO's completion of the contract for connecting at this physical exit point.
 - 7.6.6.2 The System User submits to the TSO a request for allocation of available capacity via IES.
 - 7.6.6.3 The System User may submit a collective request for allocation of available capacity at multiple physical entry and exit points.
 - 7.6.7 The request must state separate capacity for physical entry points and for physical exit points, as well as the products and time for which the capacity is to be provided.
 - 7.6.7.1 Along with the request, the System User provides information on the choice of the form of financial security.
 - 7.6.7.2 It is assumed that the requests concerns capacity on a firm basis.
 - 7.6.7.3 The request is submitted when it is registered by the TSO in the IES.
 - 7.6.7.4 At the request of the final Customer, the TSO provides information on the quantities of capacity requested by System Users for the physical exit point located at the interconnection with the installation.
 - 7.6.8 Verification of request for allocation of capacity.
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- 7.6.8.1 If the submitted request contains errors or omissions, the TSO no later than five (5) business days from the date of receipt of the request shall call the applicant to submit a properly completed request within five (5) business days from the date of receipt of this call, otherwise the request will be disqualified. The TSO shall notify the System User of disqualifying the request without any delay. The call to complete the request and the notification on the request being disqualified shall be made via IES.
- 7.6.8.2 A request whose errors or omissions are not remedied within the prescribed period will be declined.
- 7.6.8.3 The request is subjected to technical analysis.
- 7.6.8.4 During the technical analysis, the TSO assesses whether there are technical possibilities to provide the capacity at the indicated physical entry or exit points. During the technical analysis it will be assessed whether:
 - 7.6.8.4.1 there is technical capacity of the transmission system that allows the transmission of gaseous fuel from the physical entry points or to the physical exit points specified in the request for allocation of capacity,
 - 7.6.8.4.2 the equipment at the physical entry or exit points allows correct measurement of the amount of gas transmitted,
 - 7.6.8.4.3 the quality parameters of gaseous fuel transferred for transmission at the physical entry points, specified in the request, will not cause a reduction in the quality of gaseous fuel specified in separate regulations or the TNC, and adverse changes in the scope of supply of gaseous fuels to Customers connected to the transmission system,
 - 7.6.8.4.4 there are no other circumstances resulting in deterioration of gaseous fuel transmission reliability below the parameters set by law or the provisions of the TNC,
 - 7.6.8.4.5 conclusion of the contract does not prevent the TSO from protecting Customers' interest or the environment,
 - 7.6.8.4.6 the condition referred to in 7.6.3 was met.
- 7.6.8.5 If there is no available capacity of technological devices at the requested physical exit point and the procedure for changing the seller is not applicable, then the applicant who requested the provision of services on a firm basis will be notified of the need to submit an application for definition of the conditions for connection to the transmission network.
- 7.6.8.6 Entities who have not been allocated the requested amount of capacity on a firm basis will be offered capacity on an interruptible basis. It is possible that the offer will include both available capacity on a firm basis and interruptible basis, or only on an interruptible basis, with a total value equal to the request submitted. The System User may accept the offer presented by the TSO in full or in part, provided that the firm capacity allocation shall be executed first.
- 7.6.8.7 After the analysis referred to in 7.6.8.4, where there is no technical possibility to provide capacity, and the applicant has not submitted an application for definition of the conditions for connection to the transmission network, the TSO may refuse to allocate capacity, unless the offer referred to in 7.6.8.6 is accepted.

- 7.6.8.8 the TSO shall refuse to allocate capacity in cases when:
- 7.6.8.8.1 capacity allocation (PP) for the System User would reduce the reliability of delivery and the quality of gaseous fuels below the level specified in the TNC and cause an unfavourable change in prices or rates for delivered gaseous fuels, the extent of their delivery to Customers connected to the transmission network, and would prevent the TSO from protecting Customers' interest or the environment,
 - 7.6.8.8.2 the gaseous fuel supplied would originate from a gas system of another country, and that country has not imposed the obligation to provide transmission services on companies which operate in that country, or when the Customer to which gaseous fuel would be supplied would not be regarded as entitled to use these services in that country.
- 7.6.8.9 The TSO shall inform the applicant of the outcome of processing of the request referred to in 7.6.6.1.2 or 7.6.6.1.3 within thirty (30) days from the date of its receipt. Requests are processed in the order of receipt of formally and legally valid requests.
- 7.6.8.10 If a request for capacity allocation (PP) is rejected or capacity allocation (PP) is refused, the TSO shall immediately notify the interested entity and the President of ERO in writing, indicating the reasons for refusal.
- 7.6.8.11 Correspondence during the verification of the request for capacity allocation (PP) is transferred electronically and in the form of electronic scans of documents sent to the email address specified in the request. Information shall be considered delivered at the moment of transferring documents in electronic form.
- 7.6.9 Procedure of providing available capacity.
- 7.6.9.1 The procedure of providing capacity includes capacity (contracted capacity) allocation in the following order: firm capacity, interruptible conditionally firm capacity, interruptible capacity. Each System User may submit one request for allocation of capacity in a given physical entry or exit point within the procedure of capacity allocation, where orders for yearly, quarterly or monthly products are specified.
 - 7.6.9.2 The procedure of providing capacity involves requests that were submitted in the period from 20th April to 10th May and passed the preliminary technical verification, until 10th June of the gas year when the request is submitted.
 - 7.6.9.3 the TSO shall allocate the available capacity on a firm basis for yearly, quarterly and monthly products for the gas year following the gas year when the procedure of providing capacity is carried out.
 - 7.6.9.4 The value of the capacity (contracted capacity) in a given physical point, expressed as a natural number, cannot exceed the technical capacity of that point.
 - 7.6.9.5 If the demand for capacity at the physical entry points or physical exit points does not exceed the available capacity, the TSO allocates to all System Users the capacity (contracted capacity) specified in the request.

- 7.6.9.6 If the sum of the requested capacity on a firm basis exceeds the available capacity, the TSO informs the operator of the installation connected at the physical entry point or the final customer of the requests submitted, simultaneously calling for allocating the available capacity at this point, for each of the Network Users who submitted a request for capacity allocation at this point, in writing.
- 7.6.9.7 Until 10th June the TSO shall inform the System User, the operator of the installation connected at the physical entry point or the final customer of the need to allocate the available capacity.
- 7.6.9.8 Information on the value of the allocated capacity is given to the TSO within fourteen (14) days from the date of receipt of the written call. Information on the allocation of the available capacity is binding for the TSO and the Network User. The lack of allocation of available capacity is treated as information on capacity allocation with power equal to zero (0) for each of the applicants.
- 7.6.9.9 the TSO shall by 31st July inform System Users of the capacity allocated to them (contracted capacity) in the procedure of providing available capacity. The information is communicated by the TSO via IES.
- 7.6.9.10 Correspondence related to 7.6.9.7 and 7.6.9.8 is communicated in writing and in form of electronic scans of documents sent to the email address specified in the request. Information shall be considered delivered at the moment of transferring documents in electronic form.

7.7 Capacity allocation in the overnomination procedure.

- 7.7.1 In the overnomination procedure, capacity is provided on a firm and interruptible basis dashed for the points $FPWE_{\dot{D}O}$, $FPWE_M$, $FPWE_{OA}$, $FPWY_{OK}$, $FPWY_M$, $FPWY_{OA}$, for daily product, and on an interruptible basis for within-day product for points $FPWE_{PPM}$, $FPWY_{PPM}$, $FPWE_{OSP}$, $FPWY_{OSP}$ and PWP.
- 7.7.2 The capacity available under the overnomination procedure is provided under a transmission contract, capacity and transmission ability allocation (PP/PZ) and nomination confirmed by the TSO.
- 7.7.3 Rules of providing capacity for a period of one gas day at interconnection physical entry and exit points to/from the distribution system and storage facility ($MFPWE_{OSD}/MFPWY_{OSD}$ and $MFPWE_{OSM}/MFPWY_{OSM}$) are set out in the relevant inter-operator transmission contracts (ITC).
- 7.7.4 The System User who intends to use the daily or within-day product, indicates in the request for concluding a transmission agreement, or – during the term of the transmission agreement – submits a request for capacity allocation (PP), indicating physical entry/exit points where the User intends to use the capacity.
- 7.7.5 Nominations for a period of one gas day are submitted to the TSO in accordance with the procedure described in 14.3.
- 7.7.6 If there is available capacity on a firm basis, the TSO shall allocate such capacity to the System User. If the total quantity of gaseous fuel reported in nominations by System Users requesting capacity for one gas day is larger than the available capacity on a firm basis, the TSO shall allocate the available capacity on a firm basis in proportion to the quantity of gaseous fuel being the difference between the quantity of gaseous fuel reported in the nominations

and the quantities resulting from the aggregated capacity (contracted capacity) held by the System User under all the products for the given point. If there is no available capacity on a firm basis, the System User shall be allocated capacity on an interruptible basis.

7.7.7 Allocated capacity (contracted capacity) corresponds to the maximum hourly quantity of gaseous fuel specified in the nomination confirmed by the TSO.

7.8 Conclusion of capacity allocation (PP).

7.8.1 Conclusion of capacity allocation (PP) takes place electronically.

7.8.2 If conclusion of capacity allocation (PP) occurs in the case of changing the seller, upon providing access in IES to the capacity allocation (PP) that takes into account changes resulting from the procedure referred to in 10.1.7, it is assumed that the TSO and the System User have made a binding change of capacity allocation (PP) to the extent specified by the TSO. Information shall be considered delivered at the moment of submitting documents in electronic form in IES in such a way that the System User can access them.

7.8.3 Conclusion of capacity allocation (PP) in the auction procedure and on the basis of a System User's request, takes place upon providing access to the document in electronic form in IES.

7.8.4 Conclusion of capacity allocation (PP) in the overnomination procedure takes place upon notifying the Shipper of approval of the nomination.

7.9 Changing the capacity allocation (PP).

7.9.1 Increasing the capacity (contracted capacity) occurs through participation in an auction or by submitting an appropriate request for capacity allocation via IES.

7.9.2 Decreasing the capacity (contracted capacity) can occur through the process of releasing capacity (contracted capacity), referred to in 7.2.2 , or through the process of resignation, referred to in 19.7.

7.9.3 Changing the capacity (contracted capacity) may also occur through the process of changing the seller, referred to in 10 , or reselling, as referred to in 19.6.

7.9.4 Changing the capacity (contracted capacity) requires confirmation in the form of capacity allocation (PP) update to be valid. Changing the capacity allocation (PP) takes place in the form provided for its conclusion.

7.9.5 In justified cases, upon a Network User's request and subject to an approval by the TSO, the capacity (contracted capacity) for the physical entry and exit points specified in the capacity allocation (PP), may be changed during a given gas year.

7.9.6 If the change of capacity (contracted capacity) in a given physical entry or exit point requires modifying of this point, relevant provisions of the Tariff shall apply.

7.9.7 In the cases referred to in 7.9.5, changing the capacity (contracted capacity) may occur after starting up of the modified point.

7.10 Ordering capacity during Customer's technological start-up period.

7.10.1 The TSO shall determine the maximum permissible capacity (contracted capacity), that the Network User may use at the given physical exit point during the technological start-up period.

7.10.2 During the technological start-up period, the Shipper using the transmission ability at PWY_{\circ} is obliged to submit hourly nominations, and the DSO using the capacity (contracted capacity) of $MFPWY_{OSD}$ is obliged to submit the hourly transmission forecasts, which will include the planned off-take of gaseous fuel from the transmission system. For off-take other than in hourly nominations, apart from renominations, the Shipper and the DSO are obliged to secure prompt providing of information in a dispatcher mode about the planned change of the off-take of gaseous fuel from the TSO's transmission system. Such information may be communicated by the Shipper, ISO or Customer.

7.11 Ordering capacity in the period of technological start-up of a storage facility.

7.11.1 The TSO shall determine the maximum permissible capacity (contracted capacity) during the technological start-up period that the SSO may use at the given $MFPWY_{OSM}$ and $MFPWE_{OSM}$.

7.11.2 In the period of technological start-up, the SSO using the capacity (contracted capacity) at $MFPWY_{OSM}$ and $MFPWE_{OSM}$ is obliged to submit hourly nominations. For off-take other than in hourly nominations, apart from renominations, the SSO is obliged to promptly provide information in a dispatcher mode about the planned change of the off-take of gaseous fuel from the TSO's transmission system.

8 TRANSMISSION ABILITY ALLOCATION (PZ)

8.1 General conditions.

- 8.1.1 The basis for rendering gas transmission services by the TSO, including balancing, is the transmission ability allocation (PZ). Upon obtaining the transmission ability (PZ), the System User obtains the status of Shipper and the resultant rights and obligations set out in the TNC.
- 8.1.2 The allocated ability (PZ) is expressed in units of energy (kWh /h) in natural numbers.
- 8.1.3 Due to the existing system limitations resulting from the measuring range of the measuring instruments, at the points for which the TSO has not executed the agreement referred to in point 15.4, the ability allocation (PZ) will specify the minimum amount of gaseous fuel that must be transferred to the transmission system and included in the nominations and renominations submitted by the Shipper for specific entry points from transmission systems of countries which are not members of the European Union. Minimum sizes of nominations may with the TSO's consent change during the period of the agreed works or in an emergency situation resulting in a reduction in the deliverability of gaseous fuel in accordance with the nomination. In case when the capacity at a given point is allocated to multiple Shippers, the TSO shall specify the minimum quantities of gaseous fuel on a pro rata basis according to the allocated capacity.

8.2 Transmission ability allocation (PZ) for the DSO and SSO.

- 8.2.1 The DSO and SSO, based on transmission ability allocation (PZ) and to the extent specified therein, obtain the status of Shipper and the resultant rights and obligations set out in the TNC.
- 8.2.2 The DSO, based on an inter-operator transmission contract (ITC) and transmission ability allocation (PZ), obtains the right to use the ability at entry and exit points to/from the distribution system (PWE_{OSD} and PWY_{OSD}), at the junction with the distribution system operated by this DSO.
- 8.2.3 The SSO, based on an inter-operator transmission contract (ITC) and transmission ability allocation (PZ), obtains the right to use the ability at entry and exit points to/from the storage facility (PWE_{OSM} and PWY_{OSM}) operated by the SSO.
- 8.2.4 In an annex to the inter-operator transmission contract (ITC), transmission ability allocation (PZ) is specified for the PWE_{OSM} , PWE_{OSD} , PWY_{OSD} or PWY_{OSM} points.

8.3 Transmission ability allocation (PZ) at PWE_{OSD} and PWY_{OSD} .

- 8.3.1 The System User can request transmission ability allocation (PZ) after concluding a transmission agreement or by submitting a request for a transmission contract.
- 8.3.2 Transmission ability allocation for PWE_{OSD} and PWY_{OSD} is for an indefinite period.

- 8.3.3 The ability offered by the TSO for an entry point to the distribution system (PWY_{OSD}) is published on TSO's website and corresponds to the sum of capacities (contracted capacities), which the DSO acquired from the TSO at the interconnection physical exit points to the distribution system of this DSO ($MFPWY_{OSD}$).
- 8.3.4 The ability offered by the TSO for the entry point to the distribution system (PWE_{OSD}) is published on TSO's website and corresponds to the sum of capacities (contracted capacities), which the DSO acquired from the TSO at the interconnection physical entry and exit points from/to the distribution system of this DSO ($MFPWE_{OSD}$ and $MFPWY_{OSD}$).
- 8.3.5 Transmission ability allocation (PZ) for an exit point to the distribution system (PWY_{OSD}) may occur for the System User being a distribution Shipper (ZUD) in the distribution system of the DSO, and the party ordering the gaseous fuel distribution service from a source connected to the distribution system (ZUD). The allocation of ability will be subject to the submission of a distribution agreement with the DSO providing distribution services in the distribution system or the presentation of a DSO's declaration that the DSO has entered into such agreement. The present requirements shall not apply to those System Users which apply for transmission ability allocation at an exit point to a distribution system (PWY_{OSD}), for which the DSO's function is performed by the entity referred to in Art. 9d paragraph 7 of the Energy Law.
- 8.3.6 The entity ordering gaseous fuel distribution service from a source connected to the distribution system (ZUD) is required to conclude a transmission agreement and request the allocation of abilities (PZ) at PWE_{OSD} and PWY_{OSD} .
- 8.3.7 The ability allocated to each System USER at the entry point from the distribution system (PWE_{OSD}), and exit point to the distribution system (PWY_{OSD}) will correspond to the value of the ability offered each time by the TSO. Changing the ability allocated to the System User occurs when the TSO updates the information published on the TSO's website, and does not require electronic changes in transmission ability allocation (PZ).
- 8.3.8 An annex to the transmission agreement specifies the transmission ability allocation (PZ) for PWE_{OSD} or PWY_{OSD} points. For these points, the System User has the status of Shipper and the resultant rights and obligations set out in the TNC.
- 8.4 Transmission ability allocation (PZ) at PWE_{OSM} and PWY_{OSM} .
- 8.4.1 The System User can request transmission ability allocation (PZ) after concluding a transmission agreement or by submitting a request for a transmission contract.
- 8.4.2 Transmission ability allocation for PWE_{OSM} and PWY_{OSM} , is for an indefinite period.
- 8.4.3 The ability offered by the TSO to each System User being a storage service customer (ZUM) for exit points to storage facilities (PWY_{OSM}) is published on the TSO's website and corresponds to the capacity (contracted capacity) that the SSO acquired from the TSO at interconnection physical entry points ($MFPWY_{OSM}$) to the storage facility of this SSO.

- 8.4.4 The ability offered by the TSO to each System User being a storage service customer (ZUM) for entry points from storage facilities (PWY_{OSM}) is published on the TSO's website and corresponds to the capacity (contracted capacity) that the SSO acquired from the TSO at interconnection physical entry points (MFPWY_{OSM}) from the storage facility of this SSO.
- 8.4.5 A storage service customer (ZUM), in order to introduce or off-take gaseous fuel to/from the storage facility via the transmission system concludes a transmission agreement and uses the transmission ability allocation (PZ) for entry or exit points at the connection with the storage facility (PWE_{OSM} and PWY_{OSM}).
- 8.4.6 The ability referred to in 8.4.5 will correspond to the ability offered by the TSO. Changing the ability allocated to the System User occurs when the TSO updates the information published on the TSO's website, and does not require electronic changes in transmission ability allocation (PZ).
- 8.5 Transmission ability allocation at WPWE_{GG}, WPWY_{GG}, WPWE_{PPG}, WPWY_{PPG}, WPWE_{OTC}, WPWY_{OTC}, WPWE_{OSP} and WPWY_{OSP}
- 8.5.1 A System User, including DSO and SSO, is entitled under the transmission agreement and transmission ability allocation (PZ) to use the ability at:
- 8.5.1.1 entry and exit points WPWE_{GG} and WPWY_{GG}, and
 - 8.5.1.2 entry and exit points WPWE_{PPG} and WPWY_{PPG}, and
 - 8.5.1.3 entry and exit points WPWE_{OTC} and WPWY_{OTC}.
- 8.5.2 Only after signing the contract for participation in the Balancing Services Market referred to in 17.1.2 may the Shipper acquire ability at a virtual entry and exit point for transactions with the TSO (WPWE_{OSP} and WPWY_{OSP}) for the contract period for participation in the Balancing Services Market. Transmission ability allocation (PZ) for WPWE_{OSP} and WPWY_{OSP} becomes Annex to the transmission agreement when the updated ability allocation is published in the IES.
- 8.5.3 A System User or Applicant may request transmission ability allocation (PZ) for points WPWE_{GG} and WPWY_{GG}, WPWE_{PPG} and WPWY_{PPG} and WPWE_{OTC} and WPWY_{OTC} after concluding the transmission agreement or submitting a request for a transmission agreement.
- 8.5.4 There are no limits for the ability allocated for virtual points, i.e. WPWE_{PPG} and WPWY_{PPG}, WPWE_{OTC} and WPWY_{OTC} and WPWE_{GG} and WPWY_{GG} and for WPWE_{OSP} and WPWY_{OSP}.
- 8.5.5 Allocation of ability for WPWE_{GG} and WPWY_{GG}, WPWE_{PPG} and WPWY_{PPG} and WPWE_{OTC} and WPWY_{OTC} is for an indefinite period.
- 8.6 Transmission ability allocation (PZ) at entry and exit points other than PWE_{OSM}, PWY_{OSM}, PWE_{OSD}, PWY_{OSD}, WPWE_{OTC}, WPWE_{PPG}, WPWY_{PPG}, WPWY_{OTC}, WPWE_{GG}, WPWY_{GG}, WPWE_{OSP} and WPWY_{OSP}.
- 8.6.1 A Network User who has been allocated capacity (contracted capacity) at physical entry or exit points (FPWE_{PPM} and FPWY_{PPM}, FPWE and FPWY), including the Point of Interconnection (PWP) and, at the same time, has been allocated transmission ability (PZ) acquires the status of a Shipper. In this respect, and in

the same form, the allocation of transmission ability (PZ) occurs simultaneously with the allocation of capacity (PP). Transmission ability allocation (PZ) is for the same time as capacity allocation (PP).

- 8.6.2 In the transmission ability allocation (PZ) for an exit point (PWY_{OK}) for which interruptible conditionally firm capacity (contracted capacity) has been allocated, as referred to in 7.1.16 the entry point (PWE) will be indicated, where ensuring supply of gaseous fuel is necessary for providing interruptible conditionally firm ability at a given exit point (PWY_{OK}).
- 8.6.3 Using by the Shipper the allocated interruptible conditionally firm ability at an exit point (PWY_{OK} and PWY_{OSP}) depends on ensuring supply of gaseous fuel to the appropriate entry point (PWE), referred to in 8.6.2.
- 8.7 Request for transmission ability allocation (PZ).
- 8.7.1 Transmission ability allocation for WPWE_{GG}, WPWY_{GG}, WPWE_{PPG} and WPWY_{PPG}, WPWE_{OTC}, WPWY_{OTC}, PWE_{OSD}, PWY_{OSD}, PWE_{OSM} and PWY_{OSM} requires the System User to submit a request for transmission ability allocation.
- 8.7.2 The applicant shall submit to the TSO such request for allocation of ability (PZ) via the IES.
- 8.7.3 The TSO shall process the request within fourteen (14) days from the date of its receipt. After processing the request for transmission ability allocation (PZ), the TSO shall notify the applicant of accepting or rejecting the request, or call the applicant to supplement it.
- 8.7.4 The information about declining or rejecting of the request for transmission ability allocation (PZ) shall be communicated by the TSO to the applicant in writing, stating the reason.
- 8.7.5 If a request for transmission ability allocation (PZ) is rejected, the TSO shall immediately notify the interested entity and the President of ERO in writing, indicating the reasons for refusal.
- 8.7.6 If the System User submits a request for transmission ability allocation (PZ) at the entry point WPWE_{GG}, entry point WPWE_{PPG}, entry point from the distribution system (PWE_{OSD}) or the point of entry from the OTC market (WPWE_{OTC}), the TSO shall allocate the requested ability also for the exit point WPWY_{GG}, exit point WPWY_{PPG}, exit point to the distribution system (PWY_{OSD}) or the exit point to the OTC market (WPWY_{OTC}).
- 8.7.7 If the System User submits a request for transmission ability allocation (PZ) at the exit point WPWY_{GG}, exit point WPWY_{PPG} or exit point to the OTC market (WPWY_{OTC}), the TSO shall allocate the requested ability also for the entry point WPWE_{GG}, entry point WPWE_{PPG} or the entry point from the OTC market (WPWE_{OTC}), respectively.
- 8.7.8 If the System User submits a request for transmission ability allocation (PZ) at the exit point to the distribution system (PWY_{OSD}), the TSO shall allocate the requested ability also for the entry point from the distribution system (PWE_{OSD}), if such a point has been created at the connection with the given DSO.

8.8 Conclusion of transmission ability allocation (PZ).

8.8.1 Conclusion of transmission ability allocation (PZ) occurs when the electronic document specifying the transmission ability (PZ) is published by the TSO in the IES.

8.9 Changing the ability allocation (PZ).

8.9.1 Changing the ability allocation (PP) at physical entry or exit points leads to an automatic change in ability allocation (PZ) at the corresponding points with a physical location.

8.9.2 Changing the ability allocation (PZ) occurs when the electronic document specifying the transmission ability (PZ) is published by the TSO in the IES.

9 SUSPENSION AND REINSTATEMENT OF GASEOUS FUEL TRANSMISSION

- 9.1 The TSO may suspend the transmission of gaseous fuel in case when:
- 9.1.1 illegal off-take of gaseous fuel is discovered at a given exit point as a result of an inspection, when such illegal off-take involves the off-take of gaseous fuel without entering into a transmission contract for the physical point (without capacity (contracted capacity) allocation in the physical exit point), or bypassing, in full or in part, the measurement system, or in an interference with this system which distorts the measurements taken by this measurement system,
 - 9.1.2 the System User defaults on the payment for the provided services, including balancing, for at least thirty (30) days after the due date.
- 9.2 The TSO shall suspend the transmission of gaseous fuel if an inspection has revealed that an installation at the site of the Customer (including System Users) presents a direct threat to human life, health or the environment,
- 9.3 The TSO shall restore the transmission of quantities of gaseous fuel immediately after the reasons for the suspension have ceased.
- 9.4 If a Shipper's Customer is in arrears with payment of any amounts due to the Shipper for the off-taken gaseous fuel or the provided services, the Shipper shall have the right to submit an order to the TSO to suspend the delivery of gaseous fuel to the physical exit point from which the Shipper's Customer being in delay with payment off-takes gaseous fuel.
- 9.5 The TSO may suspend the deliveries of gaseous fuel to a physical exit point to the Customer at the request of all the Shippers using the capacity of such point. The suspension order referred to in this point may be issued exclusively if the conditions laid down in Article 6 b of the Energy Law are met.
- 9.6 In case when gaseous fuel is delivered to the Customer by at least two Shippers and one Shipper issues a suspension order, the TSO shall initiate a suspension procedure which disables the Customer in making allocations with respect to the Shipper which issued the suspension order. As a condition for the suspension of deliveries to the Customer, the Shipper which issued the suspension order must nominate zero for such Customer during the period affected by the suspension order.
- 9.7 Such orders may only refer to those physical exit points which have the technical capacity to suspend the supply/transmission of gaseous fuel to the Shippers Customer.
- 9.8 Prior to submitting the suspension order to the TSO, the Shipper shall notify its Customer taking off gaseous fuel at the physical exit point and concerned by the order referred to under point 9.5 of the date in which gaseous fuel transmission is to be suspended.
- 9.9 The order shall be supported by any and all documents which confirm that the legal prerequisites for suspending the transmission of gaseous fuel are met. The Shipper's order should specify the following:
- 9.9.1 physical exit point to which the order refers;

- 9.9.2 date in which the order is to be performed by the TSO, not earlier, however, than the first day after the lapse of thirty (30) days of the date when the payment by the Shipper's Customer is due.
- 9.9.3 contact details of the Shippers representative authorised to act as a 24/7 contact with the TSO in respect of the performance of the order (name, title, phone no. and fax no.) and make a valid written decision to revoke the order.
- 9.10 The order should be passed on to the TSO together with the documents referred to in point 9.9, at least seven (7) days prior to the date indicated in the order for the suspension of gaseous fuel supply.
- 9.11 If the TSO, despite having exercised appropriate care and having exhausted all legally available measures within the time specified in the order, is unable to perform the order, it shall notify the Shipper's representative of the above. The TSO may withdraw from the execution of the order 6 hours after it has notified the Shipper.
- 9.12 Immediately after receiving a resuming order from the Shipper, the TSO shall resume the delivery of gaseous fuel to the exit point in respect of which the reason for a suspension of deliveries ceased to apply. Such gaseous fuel supply resuming shall be effected by sending a written resuming order and submitting a relevant nomination in accordance with the transmission order.
- 9.13 A suspension effected upon the Shipper's order shall not release the Shipper from the obligation to pay the charges in respect of the performance of the transmission contract at the point concerned by such order.
- 9.14 The TSO is not liable for the failure to transmit gaseous fuel in the event of withholding the transmission of gaseous fuel in the situations described in point 9.

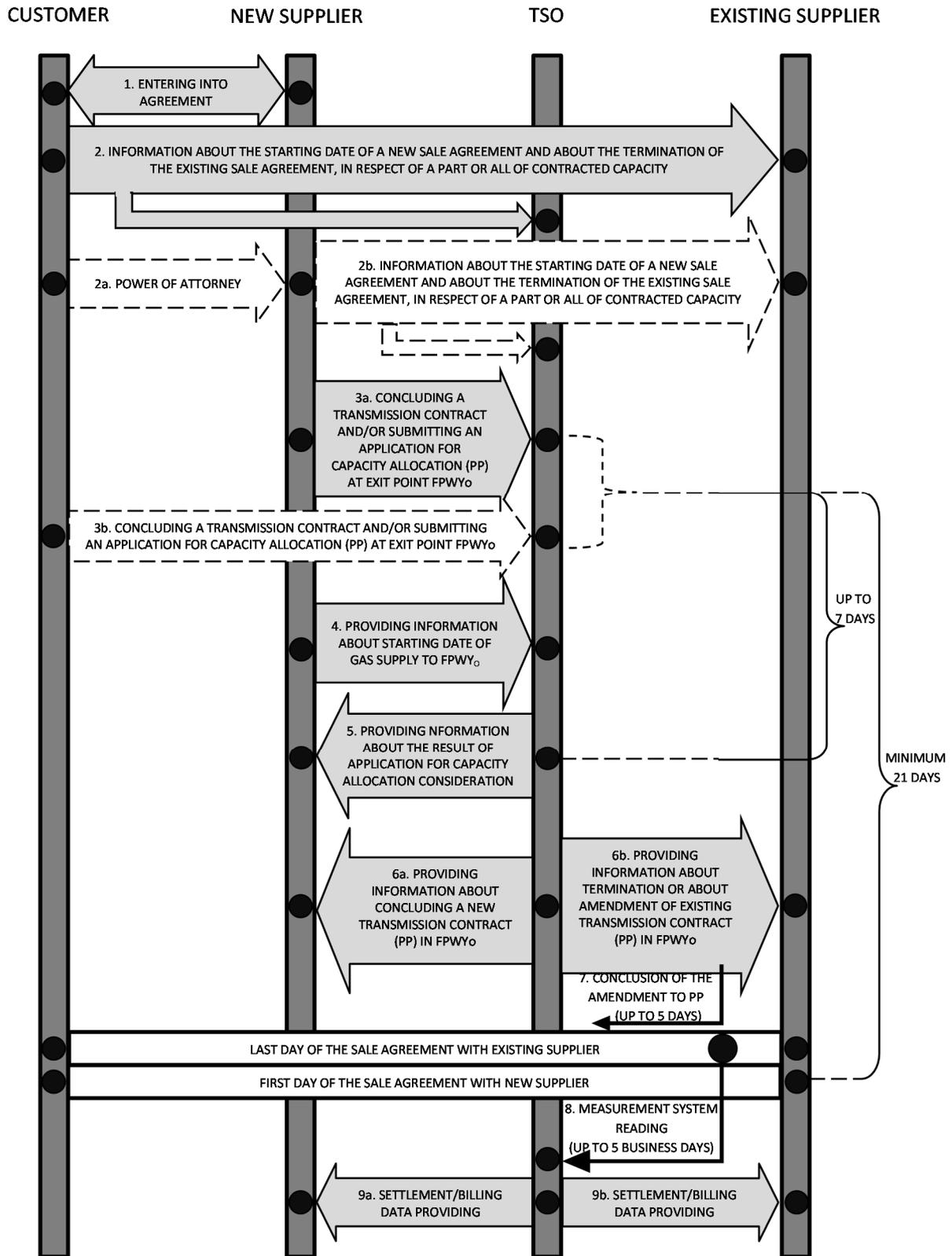
10 SUPPLIER SWITCHING PROCESS

- 10.1 In the event of gaseous fuel supplier switching by the Customer whose facilities, installations or networks are connected directly to the transmission system:
- 10.1.1 the Customer shall conclude a sale agreement or a comprehensive agreement with a new supplier, or change the point of delivery of gaseous fuel specified in the sale agreement to an entry point to the transmission system or the virtual point,
 - 10.1.2 the Customer or the new supplier acting on behalf of the Customer shall terminate the sale agreement with the existing supplier in respect of a part or all of the ordered capacity (contracted capacity) at a physical exit point (FPWY_{OK}), or the Customer shall change the point of delivery of gaseous fuel specified in the sale agreement with the existing supplier to an entry point to the transmission system or the virtual point.
 - 10.1.3 the new supplier or the Customer shall conclude a transmission contract with the TSO and/or submit an application for transmission capacity allocation at a physical exit point (FPWY_{OK}) where gaseous fuel is off-taken by the Customer switching the supplier,
 - 10.1.4 the new supplier or the Customer shall submit an application for capacity allocation no later than twenty one (21) days prior to the date in which the supply of gaseous fuel to the physical exit point (FPWY_{OK}) by the new supplier or the Customer is to begin. The application for capacity allocation should be accompanied by the Customer's declaration that the supply agreement with the existing supplier has been effectively terminated or that the sale agreement referred to in point 10.1.1 and the statement on the quantity of capacity (contracted capacity) and the duration of withdrawing the capacity from the existing Network User (existing supplier) and the quantity of capacity and the duration of assigning the capacity to the Customer or new supplier. The model application form shall be available from the TSO's website,
 - 10.1.5 the TSO shall consider the application over a period of seven (7) days; in the case of the application containing formal defects or errors, particularly if not all the required information or documents have been provided in or with the application, the TSO shall request the applicant to provide the missing details and information or to remove any errors, stipulating in writing any errors or deficiencies in the application within five (5) days of the delivery of the request. An application containing formal defects or errors which are not removed by the specified date, shall not be considered by the TSO.
 - 10.1.6 the new supplier or the Customer shall inform the TSO of the date of terminating the offtake of gaseous fuel from the existing supplier and starting the supply of gaseous fuel to the physical exit point (FPWY_{OK}),
 - 10.1.7 as of the starting date of the supply of gaseous fuel to the physical exit point (FPWY_{OK}) by the new supplier or the Customer, the capacity allocation (PP) of the Network User (existing supplier) shall be revised in such a manner that the capacity (contracted capacity) at the physical exit point (FPWY_{OK}) shall be reduced by the capacity (contracted capacity) allocated to the Network User that is the new supplier or the Customer according to the statement of the Customer referred to in point 10.1.4. The Network User (new supplier or Customer) shall acquire the capacity at the physical exit point (FPWY_{OK}) where

the change of supplier takes place, in the amount specified in the statement of the Customer referred to in point 11.1.4. The termination, amendment or conclusion of a new capacity allocation (PP) at the physical exit point (FPWY_{OK}) shall take place in accordance with the procedure described in point 7.8.2.

- 10.2 The TSO shall perform the measurement system reading for the purpose of the settlement between the existing supplier and the Customer,
- 10.3 By the date when the TSO performs the billing for the month when the change of supplier took place, it shall provide the necessary billing data to the existing supplier and to the Network User (new supplier or the Customer).
- 10.4 The reading referred to under point 10.2 shall be performed by the TSO no later than within five (5) business days of the last day of term of the sale agreement concluded with the Network User (existing supplier). In the event that such reading may not be performed, the TSO shall provide an estimate of the quantity of gaseous fuel as at the last day of term of the sale agreement concluded with the Network User (existing supplier).
- 10.5 The capacity offering procedure for the transfer of the capacity (contracted capacity) held by the existing supplier to the new supplier or the Customer (the "supplier switching process in the transmission system") shall take no longer than twenty one (21) days.
- 10.6 Supplier switching in transmission system shall be made through capacity allocation to the new supplier or Customer by TSO, it is therefore necessary to adequately new supplier or Customer was a party to the transmission contract with the TSO (had the status of System User). The transmission contract shall be concluded no later than at the time of accession to the supplier switching process in the transmission system.
- 10.7 The provisions of point 10 shall be applicable, *mutatis mutandis*, in the case when the Customer changes the supplier ("partial change of the supplier") by the way of:
 - 10.7.1 concluding a universal agreement with another supplier and, at the same time, reducing the capacity with the existing supplier, or
 - 10.7.2 concluding a transmission contract and submitting an application for capacity allocation (PP) at FPWY_{OK} and, at the same time, reducing the capacity (contracted capacity) with the existing supplier.

- 10.8 In case of a complete change of the supplier the amount of the capacity (contracted capacity) allocated to the new supplier or the Customer shall not be lower than the capacity allocated to the existing supplier, subject to the provisions of point 7.9.5.
- 10.9 The supplier switching process.



11 WORKS IN THE TRANSMISSION SYSTEM

- 11.1 Planning of works that affect the conditions of the transmission system functioning.
- 11.1.1 The TSO shall carry out the necessary operations, diagnostic, maintenance, servicing and connection, installation and modernisation works (hereinafter the "works") in order to ensure the safety and adequate operating reliability of the transmission system.
- 11.1.2 By 20 July of the current year, the Customer connected directly to the transmission system shall present an information to the TSO with regard to the works planned for the following gas year in its facilities, which may affect the conditions of gas fuel off-take, including a potential reduction of the quantity of gaseous fuel to be off-taken.
- 11.1.3 The TSO shall agree the scope and timing of work planned in the interoperating systems with the ISOs on the conditions specified in the agreements referred to in point 3.8 and point 3.9.
- 11.1.4 By 20 August , the TSO shall post an information on TSO's website regarding the works planned for the following gas year, which may affect the conditions of the transmission system functioning leading to limited gas transmission capacity. In the above information, the TSO shall include the information provided in accordance with the provisions of point 11.1.2 and point 11.1.3 and shall make efforts in order to ensure that the timing of the works to be conducted by the TSO takes account of the timing provided by the entities mentioned above.
- 11.1.5 In the information referred to in point 11.1.4, the TSO shall provide a list of entry and exit points where restrictions affecting the off-take and supply of gaseous fuels may occur, and the expected duration of such restrictions.
- 11.1.6 Specific arrangements as to the scope and timing of the works shall be agreed between the TSO and the Network User or the ISO.
- 11.1.7 In justified cases, the TSO may introduce changes to the scope of the works during the gas year. Such changes may also be introduced by the TSO upon a justified request of the Network User or ISO. The TSO, Network User and ISO shall make every effort to minimize the effects of the restrictions caused by the planned works.
- 11.1.8 The TSO shall provide the Network User concerned with any information on any changes to the timing of the works and the timing of any works that had not been previously scheduled.
- 11.1.9 In the event that planned works are carried out by the Network User or ISO, the TSO, upon a request submitted by the Network User or the ISO at least seven (7) prior to the planned works commencement date may ensure the possibility of off-take or supply of additional amounts of gaseous fuel at particular physical entry and exit points, in particular by giving its consent to overrun the capacity at such points over a specified period of time.
- 11.1.10 The request submitted by the Network User or the ISO referred to under point 11.1.9 should specify the physical point or physical points at which additional supply or off-take of gaseous fuel is to occur and the level of the possible

overrun of the capacity. The TSO shall either give or refuse its consent in writing within three (3) days of receiving such request from the Network User or the ISO. In the event of refusal to overrun the capacity, the TSO shall provide the rationale for its decision.

11.1.11 The TSO may ensure the possibility of off-take or supply of additional amounts of gaseous fuel at particular physical entry and exit points, in particular by giving its consent to exceed the capacity in the event of interruptions or disturbances in the transmission of gaseous fuel which are beyond the control of the Network User or the ISO. The TSO shall agree with the ISO or the Network User the measurement systems (physical entry or exit points) as well as the dates and volumes of additional supplies or off-takes of gaseous fuel as well as the possible exceeding of the capacity. The ISO or the Network User shall confirm to the TSO in writing, within three (3) days, and immediately in emergency situations, whether such disturbances or interruptions cause any actual reduction of gaseous fuel supply to Customers.

11.2 Notification of the Network User of changes in the conditions of the transmission system functioning.

11.2.1 The TSO shall notify the Network User affected by the restrictions of the timing, duration and scope of such restrictions at the entry and exit points, as well as about the capacity available at the points covered by the restrictions:

11.2.1.1 in the event that such works result in an interruption in the supply of gaseous fuel to the Network User's Customers - at least forty-two (42) days prior to the commencement date of the planned works, according to point 11.1.4,

11.2.1.2 in the event that such works do not result in an interruption in the supply of gaseous fuel to the Network User's Customers - at least five (5) days prior to the commencement date of the planned works,

11.2.1.3 In the event that such works result in capacity congestion at the import entry points, but do not result in an interruption in the supply of gaseous fuel to the Network User's Customers at least five (5) days prior to the commencement of the planned works.

11.2.2 The System User shall be informed of the developments referred to in point 11.2.1 by direct notification in writing or using another means of communications.

11.2.3 The System User shall take the reductions referred to in point 11.2.1 into account in its nominations or transportation forecasts.

11.2.4 The Network User shall inform and commit its Customers located downstream of the exit points that are affected by the restrictions to introduce appropriate restrictions with respect to the off-take of gaseous fuel.

11.2.5 The Shipper shall inform and commit its suppliers located upstream of the entry points that are affected by the restrictions to introduce appropriate restrictions with respect to the supply of gaseous fuel.

11.2.6 During the periods when reductions due to the performance of the works the system, as referred to in point 11.2.1, the TSO shall be released from the obligation to accept gaseous fuel for transmission, to the extent required under the introduced restrictions at the entry points, or to transport gaseous fuel to

the exit points which are affected by the restrictions due to the performance of such works.

12 DATA PROCESSING SECURITY

12.1 Entities responsible for data processing security.

12.1.1 The provisions of point 12 shall apply to:

12.1.1.1 TSO,

12.1.1.2 any entity filing an application for a connection to the transmission network, the entity filing an application for a transmission contract, the parties to the network connection agreement and the parties to the transmission contract,

12.1.1.3 System Users, ISO, Customers and owners of storage facilities (hereinafter "Entities").

12.2 Data processing security.

12.2.1 The Entities undertake to protect any technical, technology-related, commercial, strategic, financial and economic information they obtained during the process of connecting to the transmission network, or in connection with the procedure of entering into and the performance of a transmission contract, or the agreements referred to in point 3.8, point 3.9 and point 3.10, and the agreements on the use of the storage facilities, which is not in the public domain, and with respect to which any Entity had taken the necessary measures in order to keep it confidential (hereinafter referred to as "trade secret"). In particular, the Entities undertake to:

12.2.1.1 treat the above information as confidential, and refrain from publishing or disclosing it to any third parties,

12.2.1.2 refrain from using the above information for any other purposes than those related to the process of connecting to the transmission network, the procedure of entering into and the performance of a transmission contract, or the interoperator agreements referred to in point 3.8, point 3.9 and point 3.10, and the agreements on the use of the storage facilities,

12.2.1.3 take all the necessary measures to protect the above information,

12.2.1.4 restrict the exchange of the above confidential information, as well as access to it, to people who need this information in connection with the process of connecting to the transmission network, or the procedure for entering into and the performance of the contracts and agreements referred to in point 12.2.1.2 and, in any case, inform such people of the confidential nature of such information,

12.2.2 The Entities undertake to protect any classified information in accordance with provisions of the act on the protection of classified information of 5 August 2010 (Journal of Laws, No. 182, item 1228, as amended, hereinafter referred to as the "Act on the Protection of Classified Information").

12.2.3 Users of the Information Exchange System (IES) are responsible for ensuring the protection of the storage and transfer of information against any unauthorised access by third parties and to secure it against any unauthorised changes in its content.

12.2.4 If, at the stage of the consideration by the TSO of an application for connection to the transmission network, an application for capacity allocation

(PP), or during the performance of an agreement concluded by the TSO and the Entity, it becomes evident that the information that should be attached to or contained in the application constitutes a trade secret or is subject to protection as classified information within the meaning of the Act on the Protection of Classified Information (hereinafter referred to as "classified information"), the Entity undertakes to:

- 12.2.4.1 notify the TSO of thereof,
 - 12.2.4.2 if necessary, obtain the consent of a third party to provide the TSO with access the information that constitutes a trade secret, such that the disclosure of this information does not constitute an act of unfair competition.
- 12.2.5 If the entity does not provide the TSO with access to the information referred to in point 12.2.4, the TSO shall leave the application for connection to the transmission network without considering it, or shall reject the application for the provision of transmission services.
- 12.2.6 Information that constitutes a trade secret may be disclosed to authorities that are entitled to request the provision of such information in accordance with the provisions of the law. In such a case, the entity that was requested to provide the information should inform the other party to the agreement about this fact. With respect to any classified information, the respective provisions of the Act on the Protection of Classified Information regarding the provision of access to such information to authorised bodies, authorities or services shall apply.
- 12.2.7 Any breach of the provisions of this point 12 shall give the affected Entity the right to seek compensation based on generally applicable principles.

Part II

Balancing and System Congestion Management

13 TRANSMISSION SYSTEM BALANCING

- 13.1 The TSO shall provide the balancing service in the particular balancing areas on the terms and conditions set forth in the TNC.
- 13.2 The physical balancing services shall be provided by the TSO in order to ensure the security of the operation and integrity of the transmission system.
- 13.3 In the part of the transmission system covering the area supplied from the point Tietierowka (ID 572405) which is not directly connected to other physical entry points to the transmission system and where the TSO has no possibility of physical balancing, the Shipper/distribution Shipper shall be obliged to ensure that the quantities of gaseous fuel delivered for transmission at the entry point to this area during a given gas day match the quantities to be off-taken at exit points from this part of the system in the same day, subject to provisions of point 22.8.
- 13.4 Commercial balancing is performed in order to settle the Shippers' imbalances in particular balancing areas, on the basis of the quantities of gaseous fuel allocated to the Shippers in accordance with the allocation principles described in point 15.
- 13.5 The TSO shall provide physical balancing that consists in, among other things, balancing the supply of gaseous fuel with the demand for gaseous fuel and cover:
- 13.5.1 Balancing area together with the entry and exit points, including:
- 13.5.1.1 exit points to distribution systems connected to the transmission system and entry points from distribution systems connected to the transmission system,
- 13.5.1.2 virtual points WPWE_{GG}, WPWY_{GG}, WPWE_{PPG}, WPWY_{PPG}, WPWE_{OTC} and WPWY_{OTC}.
- 13.5.2 Distribution systems connected to transmission system.
- 13.6 . For the purposes of transmission system balancing the TSO shall enter into buy and sell transactions in respect of gaseous fuel on the following trading platforms:
- 13.6.1 Towarowa Giełda Energii S.A.
- 13.6.2 any other trading platform approved and accepted by the President of ERO.
- 13.7 The TSO shall take measures in order to maintain the transmission system in balance through undertaking the following actions:
- 13.7.1 within the high-methane gas balancing area :
- 13.7.1.1 purchase or sale of gaseous fuel at the Gas Exchange (Towarowa Giełda Energii S.A.) on the Intraday Market,
- 13.7.1.2 purchase or sale of gaseous fuel through the Balancing Services Market, in the case when the mechanisms indicated in point 13.7.1.1 prove insufficient, i.e. in case when no adequate offers/bids are available or when the offers/bids of the TSO have not been executed during the market session,

- 13.7.1.3 purchase or sale of gaseous fuel through another trading platform approved and endorsed by the President of ERO, in the case when the mechanisms indicated in point 13.7.1.1 and 13.7.1.2 prove insufficient in case when no adequate offers/bids are available or when the offers/bids of the TSO have not been executed during the market session;
- 13.7.2 within the low-methane gas balancing area – the purchase or sale of gaseous fuel on the Balancing Services Market.
- 13.7.3 If the mechanisms specified in points 13.7.1 and in point. 13.7.2 are insufficient, TSO may take other balancing actions to the extent and mode permitted by Commission Regulation (EU) No 312/2014 of 26 March 2014 establishing the Network Code on Gas Balancing of Transmission Networks.

14 SUBMISSION OF TRANSMISSION CONTRACTS FOR EXECUTION

- 14.1 In order for the transmission services to be effected, the Shipper shall submit nominations to the TSO.
- 14.2 Nominations and re-nominations – general conditions.
- 14.2.1 Subject to point 14.2.3 and point 14.2.6, the Shipper shall submit a daily nomination to the TSO which shall specify the quantity of gaseous fuel per each hour of the gas day at each entry and exit point for which it has been allocated transmission ability (PZ). The Shipper shall not submit nominations for PWE_{OSD} and PWY_{OSD} .
- 14.2.2 In the Lw low-methane natural gas transmission system nominations shall only be submitted for exit points.
- 14.2.3 PZPT and the Gas Exchange shall submit nominations or renominations for, as appropriate, the virtual entry point ($WPWE_{PPG}$) and the virtual exit point ($WPWY_{PPG}$) or the virtual entry point ($WPWE_{GG}$) and the virtual exit point ($WPWY_{GG}$) on behalf and in the name of the Shipper that executed a transaction in respect of the purchase or sale of gaseous fuel at the virtual point. The nomination or renomination submitted by the Gas Exchange shall stipulate the balance of the Shipper's transactions executed at the virtual point. The nomination or renomination received from a PZPT or the Gas Exchange is not subject to approval pursuant to the provisions of point 14.3.3 and point 14.4.3. The nomination or renomination received from a PZPT or the Gas Exchange shall be considered as confirmed by the TSO.
- 14.2.4 In the event when the trading platform provides for the possibility of offering transactions which transfer the title to gaseous fuel at a specific physical point in the transmission system (locational product), in the agreement with such platform the TSO shall define the principles for the submission and processing of the nominations and renominations to be made through the trading platform in connection with the conclusion of such transactions.
- 14.2.5 The aggregate quantities of gaseous fuel nominated at the virtual entry point ($WPWE_{GG}$ or $WPWE_{PPG}$) in respect of a gas day shall be equal to the quantities of gaseous fuel nominated at the virtual exit point ($WPWY_{GG}$ or $WPWY_{PPG}$) in such gas day.
- 14.2.6 The Shipper shall submit nominations and re-nominations for the Point of Interconnection (PWP) in accordance with the provisions of the Network Code of the Polish Section of the Transit Gas Pipeline System Yamal-Europe, taking into account the provisions of point 8.1.3. A confirmed nomination in the Transit Gas Pipeline System shall constitute a basis for the performance of transmission service (a confirmed nomination) at the Point of Interconnection (PWP) within the domestic transmission system.
- 14.2.7 A change of the nomination (re-nomination) referred to in point 14.2.6 shall automatically result in a corresponding change of the nomination (re-nomination) in the domestic transmission system for the Point of Interconnection (PWP).
- 14.2.8 All quantities of gaseous fuel in the nominations and re-nominations shall be specified in natural numbers in kWh.

- 14.2.9 Subject to point 14.2.10, the hourly quantities of gaseous fuel specified in the nominations and re-nominations for a given entry or exit point cannot exceed the capacity agreed for the given entry or exit point in the transmission ability allocation (PZ) of the given Shipper.
- 14.2.10 In the case of the Shipper using gas transmission services on the basis of capacity allocation under the overnomination procedure, referred to in 7.7, the quantity of gaseous fuel specified in the Shipper's nomination for that given point cannot exceed the technical capacity of a given point.
- 14.2.11 With the exception of $WPWE_{GG}$ and $WPWY_{GG}$ as well as $WPWE_{PPG}$ and $WPWY_{PPG}$, in order to enable the verification by the TSO of the correctness of the nomination and re-nomination, the quantity of gaseous fuel specified therein should be broken down by contractors of the Shipper who:
- 14.2.11.1 supply the Shipper with gaseous fuel at the entry point (e.g. the shippers contracting transmission services in the system of the ISO that sell the gaseous fuel to the Shipper at the virtual point),
- 14.2.11.2 take gaseous fuel from the Shipper at exit points (e.g. the shippers contracting transmission services in the system of the ISO that purchase the gaseous fuel from the Shipper at the virtual point).
- 14.2.12 In nominations or renominations submitted by the Gas Exchange or a PZPT, the counterparty of the Shipper shall be referred to as, as applicable, the Gas Exchange or the PZPT.
- 14.2.13 The Shipper entering into a gaseous fuel purchase or sale transaction at a virtual point outside $WPWE_{GG}$ and $WPWY_{GG}$ or $WPWE_{PPG}$ and $WPWY_{PPG}$ shall submit appropriate nominations or re-nominations which shall specify the quantities of gaseous fuel off-taken at the virtual exit point ($WPWY_{OTC}$) and delivered to the virtual entry point ($WPWE_{OTC}$).
- 14.2.14 The quantities declared in the nominations/re-nominations which result from transactions at a virtual point ($WPWE_{OTC}/WPWY_{OTC}$) should match each other. In the case when the quantities for the respective Shipper pairs do not match, the nominated/re-nominated quantity of gaseous fuel shall be deemed to be equal to the lower of the nomination/re-nomination values compared for a given Shipper pair (the "lesser rule" principle). The information on the acceptance or rejection of the nomination/re-nomination referred to in point 14.3.3 or point 14.4.3 shall be communicated to the Shipper and should include information on the application of the lesser rule and on the quantities of gaseous fuel accepted for delivery.
- 14.2.15 In case when the quantity specified in the nomination (re-nomination) for an exit point for which interruptible conditionally firm transmission ability has been allocated is greater than the quantity specified in the nominations (re-nominations) confirmed by the TSO for the corresponding entry point(s) (PWE), the quantity for the exit point may be reduced accordingly.
- 14.2.16 In the case of the differences between quantities of gaseous fuel specified in nominations for an entry point and the reverse exit point (PWY_R) corresponding thereto or exit point and the reverse entry point (PWE_R) corresponding thereto being smaller than the Q_{min} that is published on the TSO's website, the nominations for PWE_R or PWY_R shall be reduced by the TSO on a pro rata basis.

- 14.2.17 The nominations may be revised under the re-nomination procedure. A re-nomination confirmed in accordance with the provisions of the TNC receives the status of a confirmed nomination.
- 14.2.18 The permitted discrepancy between the hourly quantity of gaseous fuel specified in the re-nomination for the entry point at interconnection with countries which are not Member States of the European Union and the quantity of gaseous fuel specified for such hour in the confirmed nomination shall not exceed 5%. In case when this is technically justified, the TSO may agree to increase the difference referred to in the first sentence.
- 14.2.19 The nominations and re-nominations should take into account the transition from summer time to winter time and from winter time to summer time. In such cases the gas day shall be longer or shorter by an hour, respectively.
- 14.2.20 The nominations and re-nominations submitted by the Shipper shall take into account the curtailment and suspension measures in supply introduced pursuant to the provisions of the TNC, including the curtailment measures introduced by the Council of Ministers pursuant to the provisions of the Stockpiling Act.
- 14.2.21 Should the TSO be informed by an ISO or a Customer, also when under different a procedure than those specified in point 14.3 or point 14.4, of the lack of the possibility to transmit the quantities of gaseous fuel specified in the nomination, the TSO shall immediately inform the Shipper thereof. The Shipper shall adjust its nomination at the relevant point and submit a re-nomination to the TSO within two (2) hours of the receipt of the above information.
- 14.2.22 The nomination/re-nomination of the Shipper for whom interruptible transmission service is provided may be confirmed with a reduction of the quantity of gaseous fuel specified by the Shipper in the nomination/re-nomination. The reduction shall take place in case when no capacity is available for such services. The reduction shall be made starting from the shortest-term products (i.e. in the first place the reduction shall apply to within-day capacity, and then to daily, monthly, quarterly and, finally, to yearly capacity) and for points PWE_{PPM} , PWY_{PPM} , PWE_{OSP} , PWY_{OSP} and PWP taking into account the time of concluding the capacity allocation for the given product. In case of products with the same term and concluded at the same time, the reduction shall be prorated to the quantity of gaseous fuel specified in the respective nomination.
- 14.2.23 The Shipper using the service of transmission on an interruptible basis, that was advised by the TSO of the confirmation of its nomination/re-nomination or its confirmation subject to reduction of the quantity of gas fuel specified in such nomination/re-nomination, may be advised by the TSO of further proportional reduction of the quantity of gaseous fuel under such nomination. Such further reduction of the quantity of gaseous fuel in the submitted nomination shall be applied when necessitated by the re-nominations submitted by the Shipper that uses transmission services provided on firm basis.
- 14.2.24 Information on the reduction for given hour mentioned in 14.2.22 and 14.2.23 shall be communicated by the TSO without undue delay but in any case no later than forty five (45) minutes after the beginning of the hour when submission of renomination is possible for this hour.

- 14.2.25 Nominations and re-nominations, as well as the information on their confirmation, shall be submitted in accordance with point 20.
- 14.2.26 The TSO shall have the right share the information about nominations and re-nominations with the ISO and OPR to the extent necessary to match the nominations and re-nominations in the interoperating systems.
- 14.2.27 The difference between the daily quantities of gaseous fuel delivered for transmission at entry points or off-taken from the transmission system at exit points specified pursuant to the allocation, and the daily quantities of gaseous fuel specified in the corresponding confirmed nominations shall be established for every Shipper for every gas day.
- 14.2.28 In the case of the difference at a given exit point mentioned in point 14.2.27 amounting to over 10% of the daily quantity of gaseous fuel specified in the confirmed nomination, the TSO shall charge fees to the Shipper pursuant to the provisions of point 19.9.3 and point 19.10.
- 14.2.29 The TSO may change the nomination or renomination made by the Shipper in exceptional cases and in extraordinary situations when the safety and stability of the transmission system are clearly at risk. The TSO shall inform the President of ERO each time it takes such measure.

14.3 Nomination procedure.

- 14.3.1 The Shippers, Gas Exchange and PZPT shall submit their nominations to the TSO no later than by 2:00 pm of the gas day before the gas day that the nomination concerns.
- 14.3.2 In the case of the entity mentioned in point 14.3.1 submitting more than one nomination in the period specified in 14.3.1, the TSO shall review the last received nomination.
- 14.3.3 The TSO shall notify the Shipper about the confirmation or rejection of the nomination by 16:00 on the gas day before the gas day that the nomination concerns.
- 14.3.4 A nomination may be rejected due to:
- 14.3.4.1 a failure to meet the requirements as to the form and content of the nomination or the method and time of its submission, as specified in the TNC,
 - 14.3.4.2 the submission of the nomination by unauthorised entity,
 - 14.3.4.3 the overrun of the capacity allocated to the Shipper,
 - 14.3.4.4 the Shipper's failure to take account of the capacity congestion notified by the TSO, ISO or a Customer at physical entry points or exit points, which prevents the performance of services in accordance with the nominations submitted by the Shipper,
 - 14.3.4.5 failure to satisfy the condition of a minimum nomination value, as referred to in point 8.1.3,
- 14.3.5 The TSO shall specify the reason for the rejection of the nomination.

- 14.3.6 In case when the Shipper fails to submit a nomination for the following gas day to the TSO within the time limit specified in point 14.3.1, it shall be deemed that a nomination with the quantity of gaseous fuel equal to "0" (zero) has been confirmed for such Shipper with respect to the relevant point.
- 14.3.7 In the case of the nomination for the given point being rejected it shall be assumed that the quantity of gaseous fuel in the nomination confirmed for the Shipper for the relevant point shall amount to "0" (zero).
- 14.3.8 For physical entry points at interconnections with the ISO located in the territory of other countries that are not members of the European Union or member states of the European Free Trade Association (EFTA) – parties to the contract on the European Economic Area, Shippers shall be required to convey to the TSO every Thursday, no later than by 10:00 am, a forecast of the daily quantities of gaseous fuel to be delivered for transmission for each gas day of the subsequent week for the period from Monday until Sunday.
- 14.3.9 The TSO has the right to adjust the nomination of a given Network User when the quantity of gaseous fuel specified in this nomination exceeds the capacity (contracted capacity) possessed by this Network User at the given point, where, under the surrender procedure mentioned in 19.7, the capacity (contracted capacity) surrendered by this Network User, was allocated by the TSO to another Network User. The TSO shall inform the Network User of the nomination adjustment.

14.4 Re-nomination procedure.

- 14.4.1 The Shipper, Gas Exchange and PZPT may re-nominate the hourly quantities of gaseous fuel specified in the nomination confirmed by the TSO for the given gas day. Re-nominations may be submitted from 16:00 on the gas day before the gas day which the nomination concerns, up to 03:00 am on the gas day that the re-nomination concerns. Re-nominations of the hourly quantities of gaseous fuel may be submitted no later than two (2) hours before the first hour in which the nomination is to be changed.
- 14.4.2 The re-nomination review procedure for a given point shall commence at the top of every hour and shall last two (2) hours. The TSO shall review the last re-nomination that was received before the top of the hour.
- 14.4.3 The TSO shall notify the re-nomination submitting entity about whether the re-nomination was accepted or rejected and shall state the reasons for such rejection within two (2) hours from the commencement of a given re-nomination review procedure but no later than before the beginning of hour that the re-nomination concerns.
- 14.4.4 The rejection of the re-nomination may take place for the reasons mentioned in point 14.3.4, including failing to meet the condition stipulated in point 14.2.18, and when the Shipper submitted a renomination below the allowed scope in accordance with 14.4.6. The TSO shall state the reason for the rejection of the renomination.
- 14.4.5 In the case of the TSO rejecting the re-nomination, the last confirmed nomination by the TSO shall remain valid and binding for the parties, subject to the curtailment and suspension measures mentioned in point 14.2.20.

14.4.6 The short-term “use it or lose it” principle

14.4.6.1 At the entry or exit points specified in the relevant decision of the President of ERO and published on the TSO's website, the short-term “use it or lose it” principle shall apply.

14.4.6.2 When it comes to entry and exit points at interconnections with transmission systems of other member states of the European and at PWP point, renomination is only permitted in the range of 10% to 90% of the ability allocated on a firm basis for the Shipper. However, if the nomination exceeds 80% of this ability, then only half of the non-nominated amount may be renominated upwards. When it comes to the remaining allocated ability of the given Shipper, the renomination is treated as complex renomination for interruptible capacity. If the nomination does not exceed 20% of the allocated ability, then a half the nominated amount may be renominated downwards.

14.4.6.3 The short-term “use it or lose it” principle does not apply to Shipper which fulfils all the following conditions:

14.4.6.3.1 in the gas year preceding the year of renomination, the Shipper was entitled to less than 10% of the average technical ability at a given entry or exit point at interconnection with transmission systems of other countries which are EU Member States, or at the PWP point the renomination applies to,

14.4.6.3.2 the Shipper is not a member of a capital group within the meaning of Regulation (EC) No 139/2004 of 20 January 2004 on the control of concentrations between undertakings, which in the gas year preceding the year of renomination was entitled to at least 10% of the average technical ability at a given entry or exit point at interconnection with transmission systems of other countries which are EU Member States, or at the PWP point the renomination applies to.

14.5 Nomination and re-nomination matching for interoperating systems.

14.5.1 Nomination and re-nomination matching for transmission systems.

14.5.1.1 Nominations and re-nominations submitted by Shippers for entry points or exit points located at interconnections between the transmission system and other transmission systems should match the corresponding nominations (re-nominations) in other transmission systems.

14.5.1.2 If the process of matching nominations and re-nominations with other transmission systems reveals divergences in nominations or re-nominations, the “lesser rule” principle shall apply, which means that the flows in both systems are reduced to the level of the lower of the compared quantities of gaseous fuel specified in the nominations or re-nominations.

14.5.1.3 In the situation referred to in point 14.5.1.2, the TSO shall deem the nomination or re-nomination specifying the quantities of gaseous fuel established in accordance with the provisions of point 14.5.1.2 as being confirmed.

14.5.2 Nomination matching process in storage facilities.

- 14.5.2.1 The nominations submitted by Shippers for entry or exit points from/to a storage facility should be consistent with the corresponding nominations in the storage facilities, to the extent that such nominations are submitted to SSOs.
 - 14.5.2.2 The TSO shall pass on nominations that were submitted by Shippers to the SSOs by 14:45 in order to match the Shippers' nominations with the quantities of gaseous fuel nominated in storage facilities.
 - 14.5.2.3 The SSO shall advise the TSO of the results of the nomination matching by 15:30
 - 14.5.2.4 In case of mismatching nominations, the "lesser rule" principle shall be applied, which means that the flows in both systems shall be reduced to the level of the lower of the compared quantities of gaseous fuel specified in the nominations.
- 14.5.3 The re-nomination matching process in storage facilities.
- 14.5.3.1 In the case of the Shipper submitting a re-nomination of the quantity of gaseous fuel at entry or exit points to/from a storage facility pursuant to point 14.4, the TSO shall pass on such re-nomination to the SSO within 45 minutes of the commencement of the relevant re-nomination review procedure.
 - 14.5.3.2 The SSO shall match the re-nomination and provide the TSO with information on the results of the re-nomination matching within 90 minutes from the beginning of the relevant re-nomination review procedure.
 - 14.5.3.3 In the case of mismatching re-nominations, the "lesser rule" principle shall be applied, which means that the flows in both systems shall be reduced to the level of the lower of the compared quantities of gaseous fuel specified in the re-nominations. The TSO shall inform the Shipper of the re-nomination confirmation in accordance with point 14.4.3

15 ALLOCATION

15.1 Allocations for entry points

- 15.1.1 The allocations at respective entry points PWE_{OSP} and PWP shall be made by the TSO.
- 15.1.2 Total quantities of the gaseous fuel determined by measuring at the given PWE_{ZDO} , PWE_{OA} and PWE_M entry point are allocated by the operator of the installation connected at this entry point.
- 15.1.3 The allocations at entry points from distribution systems shall be made by the DSO.
- 15.1.4 Subject to point, point 15.1.3, point 15.5, in the case of gaseous fuel being delivered for transmission at given entry point by one Shipper only, the total quantity of gaseous fuel determined on the basis of the measurement results for a given point shall be allocated to this Shipper.
- 15.1.5 Subject to point 15.5, the total quantities of gaseous fuel established based on the measurement taken for a given entry point PWE_{OSP} shall be allocated to individual Shippers respectively in PWE_{OSP} in proportion to the confirmed nomination, unless the Shippers using the point enter into an agreement with the TSO setting out an alternative algorithm for the allocation of the total quantities of gaseous fuel established based of the measurement.
- 15.1.6 In the process of allocating the quantity of gaseous fuel for a virtual entry point ($WPWE_{GG}$, $WPWE_{PPG}$, $WPWE_{OTC}$, $WPWE_{OSP}$), the Shipper shall be allocated quantities of gaseous fuel corresponding to the quantities specified in the confirmed nominations.

15.2 Allocations for exit points.

- 15.2.1 Excluding points mentioned in 15.5, and subject to point 9.6, in relation to exit points in which the gaseous fuel is transmitted to the ISO's system or directly to the Customer, the allocation shall be performed by the ISO or the relevant Customer, respectively.
- 15.2.2 The allocations at exit points to distribution systems shall be made by the DSO.
- 15.2.3 Excluding points mentioned in point 15.5, in the case of gaseous fuel being off-taken at given exit point by one Shipper only, the total quantity of gaseous fuel, as determined on the basis of the measurement results for the point shall be allocated to such Shipper.
- 15.2.4 Excluding points mentioned in 15.3 and 15.5, in the allocation made pursuant to point 15.2.1, the hourly quantities of gaseous fuel and the maximum hourly quantity resulting from the measurement readings shall be specified. The total measured quantity of gaseous fuel that was off-taken from the transmission system and the total maximum hourly quantity shall be allocated to respective Shippers using the transmission ability at the relevant point (PZ).

- 15.2.5 Should the allocation not be made pursuant to point 15.2.1, the quantities of gaseous fuel off-taken at relevant exit points shall be allocated to relevant Shippers proportionally to the nominations confirmed by the TSO.
- 15.2.6 In the process of allocating the quantities of gaseous fuel for a given virtual exit point (WPWY_{GG}, WPWY_{PPG}, WPWY_{OTC}, WPWY_{OSP}), the Shipper shall be allocated quantities of gaseous fuel corresponding to the quantities specified in the confirmed nominations.
- 15.3 Allocation principles for entry and exit points from/to a distribution system.
- 15.3.1 The DSO shall perform allocation with a breakdown to all the Shippers which have the transmission ability allocation for entry point from the distribution system or for exit point to the distribution system of that DSO.
- 15.3.2 Detailed rules of allocation performed by the DSO shall be laid down in the Distribution Network Code.
- 15.3.3 In case when, at a given exit point (PWY_{OSD}), gaseous fuel is offtaken by one Shipper only, the total quantity of gaseous fuel determined on the basis of the measurements for such point shall be allocated to such Shipper.
- 15.3.4 The DSO shall inform the TSO on the quantity of gaseous fuel off-taken from the distribution system of the DSO by the customers connected to such distribution system, broken down to Shippers. The above information shall be provided as an allocation for PWY_{OSD}.
- 15.3.5 The DSO shall inform the TSO on the quantity of gaseous fuel delivered by sources connected to the distribution system, broken down by Shippers. The above information shall be provided as an allocation for PWE_{OSD}.
- 15.3.6 The difference between the allocation for the entry point from the distribution system and the allocation for the exit point to the distribution system should be equal to the difference between the transferred quantities of gaseous fuel at MFPWE_{OSD} and MFPWY_{OSD} in the given gas day.
- 15.3.7 The assignment of codes for physical entry to the distribution system from sources connected directly to a distribution network supplying such distribution system shall be made by the TSO at request of, respectively, the owner of the measurement station or the DSO.
- 15.3.8 The DSO shall provide the TSO with information on the quantities of gaseous fuel delivered at entry points from sources connected directly to a distribution network within the following time limits:
- 15.3.8.1 estimated quantities of gaseous fuel for the first four hours of the gas day (from 6 am to 10 am) shall be transmitted to the TSO daily during the gas day by 12 pm;
- 15.3.8.2 estimated quantities of gaseous fuel for the first eight hours of the gas day (from 6 am to 14 pm) shall be transmitted to the TSO daily during the gas day by 16 pm;
- 15.3.8.3 estimated quantities of gaseous fuel for the previous gas day shall be transmitted to the TSO daily by 10:00 am;

- 15.3.8.4 quantities of gaseous fuel to be taken as the basis for settlement shall be transmitted to the TSO by the seventh (7th) business day of the gas month following the gas month the settlement relates to.
- 15.3.9 With respect to the exit/entry point to/from the DSO's distribution system (PWY_{OSD}/PWE_{OSD}), no maximum hourly quantity shall be determined.
- 15.3.10 The data referred to in point 15.3.8 shall be provided to the TSO in the form available at the TSO's website.
- 15.4 Operator's account agreements.
- 15.4.1 The TSO may conclude an agreement with an operator of another transmission system, or a SSO, on an operator's account to be maintained for the gaseous fuel supplied at the entry point to the TSO's transmission system or off-taken at the exit point from the TSO's transmission system. The agreement may be concluded if the technical capabilities exist for such an account to be maintained. The agreement should specify in particular:
- 15.4.1.1 the maximum quantity of gaseous fuel that can be exchanged between operators in order to level out the differences between the quantities specified in the confirmed nomination for the relevant point and the quantities actually transmitted between the transmission systems. The value of such differences is established based on the billing data for the actual flows between the systems.
- 15.4.1.2 principles of making up the balance of the operator's account and the settlement principles with regard to the delivered or off-taken gaseous fuel upon the expiry of the term of the agreement.
- 15.4.2 In respect of the points where the agreement mentioned in point 15.4.1 was concluded, the hourly quantities of gaseous fuel appropriately supplied by the Shipper for transmission through or off-taken from the system shall be the quantities agreed in the confirmed nomination for the relevant points.
- 15.5 The list of points in which the allocated quantities of gaseous fuel delivered by the Shipper for transmission at the entry points or off-taken by the Shipper at the exit points correspond to the quantity of gaseous fuel specified in the nominations confirmed for those points shall be published at the TSO's website.
- 15.6 The allocations of gaseous fuel at entry and exit points shall be made in natural numbers.
- 15.7 Allocations for entry or exit points made by the ISO, the Customer or the operator of the system connected at the entry point shall be submitted to the TSO on the following dates:
- 15.7.1 estimated quantities of gaseous fuel allocated to each Shipper ("provisional quantities") for the first four hours of the gas day (from 06:00 till 10:00) shall be submitted to the TSO every day during the gas day by 12:00 pm,
- 15.7.2 estimated quantities of gaseous fuel allocated to each Shipper ("provisional quantities") for the eight four hours of the gas day (from 06:00 till 14:00) shall be submitted to the TSO every day during the gas day by 16:00

- 15.7.3 estimated quantities of gaseous fuel allocated to each Shipper ("provisional quantities") for the previous gas day shall be submitted to the TSO every day by 10:00,
- 15.7.4 quantities of gaseous fuel that form the basis of settlement, allocated to each Shipper, shall be submitted to the TSO by the seventh (7) business day of the month following the month of the allocation.
- 15.8 The TSO shall draw up and agree with the ISO, the Customer or the operator of the system connected at the entry point billing protocols containing information about daily and monthly quantities of gaseous fuel measured for physical entry points (FPWE) or physical exit points (FPWY), maximum hourly quantities of gaseous fuel for each gas day, and physicochemical parameters of the gaseous fuel introduced or off-taken to/from the transmission system, by the fifth (5) business day of the gas month following the gas month covered by the settlement. Billing protocols are the basis for assigning quantities of gaseous fuel to the Shipper (allocation). The allocation of quantities of gaseous fuel, carried out as per 15, is also the basis for the billing of the Network Users who are also Shipper, for fees for using the capacity (contracted capacity) based on capacity allocation (PP) and confirmed nomination for the services for a period of one gas day.
- 15.9 The TSO shall every day, by 08.00, publish data required by the ISO to meet the requirements of §38, par. 3 of the Regulation of the Minister of Economy on detailed principles of tariff design and calculation, and settlements in the trade in gaseous fuels (Journal of Laws, item 820), i.e. the volume of gaseous fuel that has been introduced in $MFPWE_{OSD}$ or transmitted to $MFPWY_{OSD}$, and the gross calorific value specified for $MFPWE_{OSD}$ or $MFPWY_{OSD}$.

16 TRANSMISSION SYSTEM INTEGRITY

- 16.1 The Shipper shall deliver and off-take gaseous fuel to/from the transmission system in quantities resulting from the transmission contract, including the confirmed nominations and quality requirements specified in the TNC.
- 16.2 In ensuring the integrity the TSO shall take into consideration the balancing of the off-take and supply of gaseous fuel as well as the system congestion.

17 BALANCING SERVICES MARKET

17.1 General principles

- 17.1.1 The TSO shall operate the balancing services market for high-methane gas balancing area and low-methane gas balancing area separately.
- 17.1.2 The participation in the balancing services market shall be available to a Shipper that holds a licence for trade in gaseous fuel and has concluded an agreement with the TSO on participation in the balancing services market (Balancing Services Market Participant - URB).
- 17.1.3 The balancing services market deals in gaseous fuel, traded in packages corresponding to the supply of gaseous fuel in the quantity of 1 MWh in each hour of the gas day (hereinafter referred to as the "package").
- 17.1.4 The standard system services for particular balancing areas shall include:
 - 17.1.4.1 delivery of gaseous fuel at a virtual exit point ($WPWY_{OSP}$) – a service that consist in the delivery of gaseous fuel to the TSO at a virtual exit point ($WPWY_{OSP}$),
 - 17.1.4.2 off-take of gaseous fuel at a virtual entry point ($WPWE_{OSP}$) – a service that consist in the off-take of gaseous fuel from the TSO at a virtual entry point ($WPWE_{OSP}$),
 - 17.1.4.3 delivery of gaseous fuel at the entry point referred to in point 3.1.6.1, point 3.1.6.4 (PWE) – a service that consists in the delivery of gaseous fuel to the TSO at a specific entry point (PWE) mentioned in point 3.1.6.1, point 3.1.6.4; the service availability is limited only to those URBs that use the capacity at the specific entry point (PWE) ("locational product"),
 - 17.1.4.4 off-take of gaseous fuel at an exit point (PWY) – a service that consists in the off-take of gaseous fuel from the TSO at a specific exit point (PWY); the service availability is limited only to those URBs that use the capacity of the exit point (PWY_{OSM}) or (PWY_O) ("locational product"),
 - 17.1.4.5 reduction of the delivery of gaseous fuel at the entry point referred to in point 3.1.6.1 (PWE) i.e. a service whereby the URB withholds the delivery of a specific quantity of gaseous fuel at the entry point referred to in point 3.1.6.1 (PWE) ("locational product") and off-takes the same quantity of gaseous fuel from the TSO at a virtual entry point ($WPWE_{OSP}$).
- 17.1.5 The TSO may publish on its website demand for specific system services as referred to in point 17.1.4.
- 17.1.6 The TSO shall publish on its website the data regarding the performed system services referred to in point 17.1.4.

17.2 Offer submission principles.

- 17.2.1 The URB shall be entitled to make an offer involving a system service to the TSO (hereinafter referred to as the "offer") on the terms specified in point 17.2 of the TNC.
- 17.2.2 The URB shall be responsible for the correctness of its offer.

- 17.2.3 Offers shall be submitted by the URB by electronic mail with the use of the IT systems specified by the TSO.
- 17.2.4 The TSO shall only accept offers from persons authorised by the URB and admitted by the TSO to operate on the balancing services market.
- 17.2.5 Offers may be submitted at any time. The URB may withdraw or change its offer at any time until the acceptance of the offer by TSO.
- 17.2.6 The URB shall specify the type of standard system service in the offer, the quantity of packages offered and the location in which the offer is to be performed (entry or exit point). The quantity of packages in each hour of the gas day including the price of each package shall also be specified in the offer, and the price of each package within one offer must be the same.
- 17.2.7 Each URB may submit more than one offer at the same time (for the same hour or gas day) for the same standard system services as well as offers for different standard system services.
- 17.2.8 It shall be assumed that an offer encompasses each package separately and its acceptance may concern one, multiple or all of the packages mentioned in the offer.
- 17.2.9 The TSO shall notify the URB whether its offer was accepted or not. The TSO shall notify the URB of the number of packages and hours for which the offer was accepted.
- 17.2.10 Offers shall be accepted by the TSO to the extent required by it in order to ensure the stable operation of the transmission system.
- 17.2.11 With respect to offers concerning the same system service, the selection shall be made according to the price criterion. With respect to offers for the delivery of gaseous fuel, the TSO shall first accept the offer with the lowest price for a given number of packages. With respect to offers for the off-take or reduction of the delivery of gaseous fuel, the TSO shall first accept the offer with the highest price for a given number of packages. In the case of multiple identical offers, the TSO shall accept them evenly on a pro rata basis to the extent required to balance the demand within the transmission system.
- 17.2.12 The TSO shall inform the URB of whether the offer has been accepted or not no later than three (3) hours before the hour in which the service is to be performed. Acceptance of the offer shall be communicated by electronic means.

17.3 Performance of system services.

- 17.3.1 At least two (2) hours prior to commencement of the system service, the URB shall submit its nomination or re-nomination for the quantities, time and place of delivery corresponding to the offer accepted by the TSO. With respect to the locational service, the URB shall submit a nomination or re-nomination for a PWE or PWY covered by a transmission ability allocation (PZ). With respect to other services, the URB shall submit a nomination or re-nomination for a WPWE_{OSP} or WPWY_{OSP}. The acceptance by the TSO of the nomination or re-

nomination shall be tantamount to proceeding with the performance of the system service. In case of locational services referred to in point 17.1.4.3, point 17.1.4.4 and point 17.1.4.5, the submission of a nomination or re-nomination for WPWE_{OSP} or WPWY_{OSP} points shall take place automatically through carrying on the change resulting from nominations or re-nominations for PWE or PWY points for which the service is provided up to the value of the offer accepted by the TSO for a given service.

- 17.3.2 In case when the URB fails to provide the TSO with the nomination or re-nomination referred to in point 17.3.1, the TSO shall deem the value of the nomination or re-nomination referred to in point 17.3.1 to be "0" (zero).
- 17.3.3 If the URB whose offer has been accepted fails to submit the nomination or re-nomination referred to in point 17.3.1, or changes the nomination or re-nomination prior to the approval in a manner that is inconsistent with the accepted offer, or its nomination or re-nomination cannot be confirmed by the TSO due to the reasons specified in point 14.3.4.1 and 14.3.4.2, or was reduced pursuant to the "lesser rule" principle due to other reasons than congestion in an interoperating system, the URB shall pay the following fee (ONOB) to the TSO:

$$\text{ONOB} = 1.5 * Q * \text{MCOSB}$$

where:

- Q quantity of gaseous fuel constituting the difference between the quantity of gaseous fuel specified in the accepted offer and the quantity of gaseous fuel specified in the confirmed nomination or re-nomination corresponding to such offer
- MCOSB the maximum offered selling price of the gaseous fuel

- 17.3.4 Detailed principles for the submission of nominations or re-nominations for the purposes of system services shall be published on the TSO's website.
- 17.3.5 The URB may submit a nomination or re-nomination for WPWE_{OSP} or WPWY_{OSP} referred to in point 17.3.1 exclusively for the purposes of the execution of the URB's offer accepted by the TSO.
- 17.3.6 The system service shall be deemed performed when the allocation of the quantities of gaseous fuel corresponds to the nomination or re-nomination referred to in point 17.3.1 and confirmed by the TSO. The payment of the price for the accepted offer shall be made upon the performance of the system service.
- 17.3.7 If the quantity of gaseous fuel off-taken or delivered by the URB at a given entry or exit point, as determined following the allocation, is greater or equal to the quantity of gaseous fuel resulting from the nominations or re-nominations of the URB confirmed by the TSO and submitted in accordance with point 17.3.1, the quantities delivered under a specific system service shall be deemed to correspond to the quantities of gaseous fuel specified in such nomination or re-nomination.
- 17.3.8 The performance of the system service referred to in point 17.1.4.5 shall be determined in accordance with the following formula, provided that the

quantity of gaseous fuel delivered under the system service (Oz) shall not be greater than the quantity resulting from the offer accepted by the TSO:

$$Oz = Op - (A - N)$$

where:

- Oz quantity of gaseous fuel delivered under the system service;
- Op quantity of gaseous fuel constituting the difference between the quantity of gaseous fuel specified in the URB's nomination at the time of acceptance of the offer and the quantity of gaseous fuel specified in the URB's nomination or re-nomination submitted in accordance with point 17.3.1 and confirmed by the TSO;
- A hourly quantity of gaseous fuel delivered to or off-taken by the URB at a given entry or exit point, as determined following to the allocation;
- N hourly quantity of gaseous fuel specified in the URB's nomination or re-nomination submitted in accordance with point 17.3.1 and confirmed by the TSO.

17.3.9 The hourly allocation shall be calculated according to the following formula, excluding the points referred to in point 15.5:

$$Ah = \frac{Nh}{Nd} \times Ad$$

where:

- Ah hourly quantity of gaseous fuel delivered to or off-taken by the URB at a given entry or exit point, as determined following to the allocation;
- Ad daily quantity of gaseous fuel delivered to or off-taken by the URB at a given entry or exit point, as determined following to the allocation;
- Nh hourly quantity of gaseous fuel specified in the last URB's nomination or re-nomination confirmed by the TSO;
- Nd aggregate hourly quantity of gaseous fuel for a given gas day, established based on the last nominations or re-nominations of the URB confirmed by the TSO for each hour of the gas day

17.3.10 If the quantity of gaseous fuel off-taken or delivered by the URB at a given entry or exit point, determined following to the allocation is smaller than the quantity of gaseous fuel resulting from the confirmed nominations or re-nominations submitted in accordance with point 17.3.1, then with respect to the services referred to in point 17.1.4.1 – point 17.1.4.4, the allocated quantities of gaseous fuel shall be first recognised as the performance of the system service.

17.3.11 In case of system services involving a delivery, the settlement between the parties shall be made through the payment of a consideration by the TSO in

respect of the delivered packages. When the system service involves an off-take or the reduction referred to in point 17.1.4.5, the URB shall pay a consideration to the TSO in respect of the delivered packages.

17.4 Settlements and payments.

17.4.1 The transactions in the balancing services market shall be settled by the TSO.

17.4.2 As part of the settlement, the TSO shall perform the following activities:

17.4.2.1 register accepted offers on the URB's accounts,

17.4.2.2 calculate the liabilities and receivables resulting from the performed offers,

17.4.2.3 issue monthly settlement reports in respect of the performance of system services.

17.4.3 Immediately after the end of the gas day for which the offer was accepted, the TSO shall prepare a daily report of the system services separately for each URB, stating in particular the following information:

17.4.3.1 designation of the URB,

17.4.3.2 type of system service,

17.4.3.3 price at which the TSO purchased the system service,

17.4.3.4 number of packages constituting the object of a given system service.

17.4.4 After the end of the gas month, the TSO shall calculate the balance of liabilities and receivables for each URB and shall proceed to settle the accepted offers and the system services performed. The TSO shall convey a monthly report of system services to the URB within ten (10) business days. The monthly report of system services shall particularly include the information mentioned in point 17.4.3.

17.5 Documents serving as the basis for billing under the balancing services market participation agreement.

17.5.1 Within ten (10) business days of the end of the gas month, not later than by the fifteenth (15th) day of the month following the month such settlement relates to, the TSO shall issue invoices to the URB in respect of the purchase of gaseous fuel (point 17.1.4.2, point 17.1.4.4 and point 17.1.4.5), on the basis of the monthly system services report.

17.5.2 Within seven (7) days of receiving the monthly system services report, the URB shall issue an invoice setting out the charges for the performance of system services in accordance with the terms and conditions set out in the TNC.

18 COMMERCIAL BALANCING

18.1 Terms and conditions for commercial balancing

- 18.1.1 As part of the balancing function, the TSO shall deliver to or off-take from Shippers the necessary quantities of gaseous fuel required to balance the difference between the quantity of gaseous fuel that has been delivered for transmission and off-taken from the transmission system.
- 18.1.2 The balancing service shall be provided to Shippers in respect of the entry and exit points covered by the transmission ability allocation (PZ), and in particular to those who:
 - 18.1.2.1 execute transactions in respect of the purchase or sale of gaseous fuel, in particular at WPWE_{GG} and WPWY_{GG}, WPWE_{PPG} and WPWY_{PPG} or under bilateral contracts to be performed within the balancing area (including when the off-take or delivery of such gaseous fuel takes place in the distribution system),
 - 18.1.2.2 use the storage service and transport gaseous fuel to or from storage facilities connected to the transmission system,
 - 18.1.2.3 distribution shippers (ZUD) contracting the distribution of gaseous fuel with the use of a source connected to the distribution system.
- 18.1.3 At the end of the gas month with respect to each gas day, the parties shall settle their accounts in respect of the quantity of gaseous fuel delivered by the TSO to the Shipper or off-taken by the TSO from the Shipper, as required to balance the difference between the amount of gaseous fuel delivered by the Shipper for transmission at the entry points and off-taken by the Shipper at the exit points from the transmission system in accordance with the provisions of point 18.3.6.
- 18.1.4 The TSO shall specify the daily imbalance quantity (DIN) for the given gas day as the difference between the quantity of gaseous fuel that was delivered by the Shipper at the entry point and taken by the Shipper from the transmission system at the exit points in a given gas day.
- 18.1.5 The imbalance value shall be specified in kWh.
- 18.1.6 A single imbalance limit shall apply i.e. the daily imbalance limit (DLN).
- 18.1.7 The daily imbalance limit (DLN) for the high-methane gas balancing area for a given Shipper is zero (0).
- 18.1.8 For the low-methane gas balancing area, the daily imbalance limit is zero (0).
- 18.1.9 The TSO shall off-take gaseous fuel from or deliver gaseous fuel to the Shipper in case of an imbalance of the quantity of gaseous fuel delivered for transmission to or off-taken from the transmission system by the Shipper, to the extent permitted by the technical capabilities available to the TSO.

18.2 Communication concerning the imbalance status.

- 18.2.1 The TSO shall keep the Shippers informed for the purposes of specifying the status of the Shipper's imbalance. The level of detail of the information provided shall reflect the level of information that the TSO has available.
- 18.2.2 For each Shipper, the TSO shall determine the estimated daily imbalance quantity (DIN).
- 18.2.3 The determination of the estimated imbalance quantity shall be done on the basis of data received in the course of the allocation process.
- 18.2.4 The estimated imbalance value shall be determined for the first 4 hours of a gas day and transmitted to the Shipper by 2 pm on a given gas day.
- 18.2.5 The estimated imbalance value shall be determined for the first 8 hours of a gas day and transmitted to the Shipper by 6 pm on a given gas day.
- 18.2.6 The estimated imbalance quantity shall be determined for each gas day within 6 hours of the end of the gas day.
- 18.2.7 The information referred to in point 18.2.4, point 18.2.5 and 18.2.6 shall be provided to Shippers via the Information Exchange System (IES). The above information shall not constitute billing data.

18.3 Principles of settlements in respect of the imbalance.

- 18.3.1 The settlement in respect of balancing services shall be made by the TSO for each gas day upon the end of the gas month, based on the allocation principles set out in point 15.
- 18.3.2 The TSO shall make the settlement in respect of the imbalance of each Shipper, and such settlement shall consist in the recalculation of the DIN values for each day of the gas month.
- 18.3.3 In case when the monthly settlement is subject to adjustment, the quantities of gaseous fuel delivered or off-taken by the Shipper shall be specified as a separate item in the Commercial Transmission Report (HRP) and shall be settled based on the arithmetic average CSRB for the month.
- 18.3.4 The settlements with the Shipper shall be based on the volumes set out in the Commercial Transmission Report (HRP) compiled by the TSO.
- 18.3.5 The Commercial Transmission Report containing the data to be used as the basis for the settlement in respect of balancing and congestion management under point 19.9/19.8 and point 19.10 shall be compiled without undue delay after the end of the gas month such settlement relates to.
- 18.3.6 The settlement in respect of gaseous fuel delivered and off-taken related to the imbalance in the area of group E high-methane natural gas balancing.
 - 18.3.6.1 For each gas day, when the value of DIN is not zero and does not exceed the DLN, and:

- 18.3.6.1.1 DIN < 0, the Shipper is obliged to pay the TSO a charge for the gaseous fuel taken by the Shipper (ORB_P), defined as follows:

$$\mathbf{ORB_P = MOD(DIN) * CSRB}$$

where:

CSRB Average Balancing Settlement Price [PLN/kWh].

MOD absolute value

DIN daily imbalance quantity [kWh]

- 18.3.6.1.2 DIN > 0, the TSO is obliged to pay to the Shipper a charge for the gaseous fuel delivered by the Shipper (ORB_D), defined as follows:

$$\mathbf{ORB_D = DIN * CSRB}$$

where:

CSRB Average Balancing Settlement Price [PLN/kWh].

DIN daily imbalance quantity [kWh]

- 18.3.6.2 For each gas day, when the value of DIN is not zero and exceeds the DLN, and:

- 18.3.6.2.1 DIN < 0, the Shipper is obliged to pay the TSO a charge for the gaseous fuel off-taken by the Shipper (ORB_P), defined as follows:

$$\mathbf{ORB_P = DLN * CSRB + [MOD(DIN)-DLN] * KCK_E}$$

where:

DLN daily imbalance limit [kWh]

CSRB Average Balancing Settlement Price [PLN/kWh].

KCK_E marginal buy price [PLN/kWh]

MOD absolute value

DIN daily imbalance quantity [kWh]

- 18.3.6.2.2 DIN > 0, the TSO is obliged to pay the Shipper a charge for the gaseous fuel delivered by the Shipper (ORB_D), defined as follows:

$$\mathbf{ORB_D = DLN * CSRB + (DIN-DLN) * KCS_E}$$

where:

DLN daily imbalance limit [kWh]

CSRB Average Balancing Settlement Price [PLN/kWh].

KCS_E marginal sell price [PLN/kWh]

DIN daily imbalance quantity [kWh]

18.3.6.3 After the settlement referred to in 18.3.6, the DIN value is set at zero (0).

18.3.7 Settlement in respect of supplied or off-taken gaseous fuel in the context of imbalance in the low-methane gas balancing area.

18.3.7.1 After each gas day, when the value of DIN is not zero and:

18.3.7.1.1 DIN < 0, the Shipper is obliged to pay the TSO a charge for the gaseous fuel off-taken by the Shipper (ORB_P), defined as follows:

$$\text{ORB}_P = \text{MOD}(\text{DIN}) * \text{KCK}_{LW}$$

where:

KCK_{LW} marginal buy price [PLN/kWh]

MOD absolute value

DIN daily imbalance quantity [kWh]

18.3.7.1.2 DIN > 0, the TSO is obliged to pay the Shipper a charge for the gaseous fuel delivered by the Shipper (ORB_D), defined as follows:

$$\text{ORB}_D = \text{DIN} * \text{KCS}_{LW}$$

where:

KCS_{LW} marginal sell price [PLN/kWh]

DIN daily imbalance quantity [kWh]

18.3.7.2 By the time of making the first transaction on the Balancing Services Market in the low-methane gas balancing area, CRG_{LW} is assumed as the weighted average price of gaseous fuel for determining the KCK_{LW} or KCS_{LW}.

18.3.7.3 In the absence of transactions on the Balancing Services Market in the low-methane gas balancing area in the given gas day, the prices used to determine the KCK_{LW} or KCS_{LW} will be the prices from the previous gas day.

18.3.7.4 In the case TGEgasID index for the gas day is not published, the last published index TGEgasID shall be used in order to determine CSRB for the gas day.

18.3.7.5

18.4 Balancing groups.

18.4.1 General conditions.

18.4.1.1 Provisions of points 18.1, 18.2 and 18.3 shall apply to commercial balancing in a balancing group, unless provisions of point 18.4 provide otherwise.

18.4.1.2 The Shipper may be responsible for balancing (ZUP_{BG}) of only one balancing group. ZUP_{BG} may not be a participant of another balancing group.

18.4.1.3 The Shipper may be a participant of only one balancing group (ZUP_{UG}). Transfer of a Shipper to another balancing group or creating its own balancing group may take place no earlier than at the beginning of a gas month.

18.4.1.4 A balancing group shall consist of at least the ZUP_{BG} and at least one ZUP_{UG}.

18.4.2 Creation of a balancing group.

18.4.2.1 In order to create a balancing group, ZUP_{BG} to be responsible for commercial balancing of a balancing group should apply to the TSO with a request for creating a balancing group in accordance with the form published on the website of the TSO, no later than fourteen (14) days before commencement of the gas month in which the balancing group is to be created.

18.4.2.2 Along with the request referred to in point 18.4.2.1, ZUP_{BG} may present a statement or statements based on the form published on the TSO's website, where it lists the Shippers which are participants of the balancing group being created (ZUP_{UG}). The statement or statements should be signed by ZUP_{BG} and ZUP_{UG}.

18.4.2.3 In order to create a balancing group, ZUP_{BG} and TSO must sign the "Balancing Group" Appendix to the transmission contract, where ZUP_{BG} commits to settle with the TSO the imbalance of all participants of the balancing group (i.e. ZUP_{BG} and ZUP_{UG}).

18.4.2.4 The balancing group shall be created in the first hour of the gas month following the month in which ZUP_{BG} signed the appendix to the transmission contract in accordance with point 18.4.2.3.

18.4.3 Joining a balancing group.

18.4.3.1 A Shipper which intends to join a balancing group should submit a statement to the TSO, also signed by ZUP_{BG} on accession to the balancing group, no later than fourteen (14) days before commencement of the gas month in which the balancing group is to be joined.

18.4.3.2 The Shipper joins the balancing group in the first hour of the gas month stated in the statement referred to in point 18.4.3.1.

18.4.3.3 Upon joining the balancing group, the ZUP_{UG} imbalance shall be settled in the balancing group in accordance with rules set out in point 18.4.6.

18.4.4 ZUP_{UG} leaving a balancing group.

18.4.4.1 A ZUP_{UG} which intends to leave a balancing group should submit a statement to the TSO on leaving the balancing group, no later than fourteen (14) days before commencement of the gas month in which the balancing group is to be left.

18.4.4.2 The ZUP_{UG} shall leave the balancing group in the first hour of the gas month stated in the statement referred to in point 18.4.4.1.

18.4.4.3 Until leaving the balancing group, the ZUP_{UG} imbalance shall be settled in the balancing group in accordance with rules set out in 18.4.6.

18.4.5 Dissolution of a balancing group.

18.4.5.1 A ZUP_{BG} which intends to dissolve a balancing group should submit a statement to the TSO on dissolving the balancing group, no later than

fourteen (14) days before commencement of the gas month in which the balancing group is to be dissolved.

- 18.4.5.2 The balancing group shall be dissolved in the first hour of the gas month stated in the statement referred to in point 18.4.5.1.
- 18.4.5.3 Until dissolution of the balancing group, the ZUP_{BG} and ZUP_{UG} imbalance shall be settled in the balancing group in accordance with rules set out in point 18.4.6.
- 18.4.5.4 The balancing group shall be dissolved in case of termination of the transmission contract between the TSO and ZUP_{BG}. Upon dissolution of the balancing group the rules set out in points 18.1- 18.3 shall be applied to the Shipper by the TSO.

18.4.6 Rules of commercial balancing of a balancing group.

- 18.4.6.1 The TSO shall specify the daily quantity of imbalance (DIN) of a balancing group for each gas day as the difference between the quantity of gaseous fuel which the ZUP_{BG} and all ZUP_{UG} of the balancing group supplied to the transmission system at the entry points and the quantity of gaseous fuel off-taken from the transmission system at the exit points in a gas day.
- 18.4.6.2 The daily imbalance limit (DLN) for a balancing group for each gas day shall be determined according to the formula defined in point 18.1.7 based on the quantities of gaseous fuel delivered to and off-taken from the gas system by the ZUP_{BG} and all ZUP_{UG} on a given gas day.
- 18.4.6.3 ZUP_{BG} shall receive electronically from the TSO, through the IES, without undue delay after the end of the month the settlement relates to the billing data referred to in point 20.4.10.3, for particular ZUP_{UG} and aggregated for the entire balancing group.
- 18.4.6.4 ZUP_{UG} shall not receive the information referred to in point 20.4.10.3 and point 20.4.10.4 from the TSO.
- 18.4.6.5 The daily quantity of imbalance of a balancing group shall be settled between the TSO and ZUP_{BG}. Provisions of point 18.3 shall apply accordingly.
- 18.4.6.6 The financial security for the imbalance of all members of the balancing group shall be submitted by ZUP_{BG}.
- 18.4.6.7 ZUP_{UG} shall be released from an obligation to submit to the TSO the financial security for imbalance for as long it is a member of the balancing group.

18.5 Charge related to financial neutrality of balancing.

- 18.5.1 With regard to the financial neutrality of balancing, a charge related to financial neutrality of balancing if paid by or to the Shipper, separately for each balancing area, defined in the following way:

$$\text{ONB} = \text{SNF} * \text{EP}$$

ONB charge related to financial neutrality of balancing

SNF rate of the charge related to financial neutrality of balancing – published on the TSO's website

EP the quantity of gaseous fuel equal to the sum of daily quantities of gaseous fuel in a given billing period delivered by the Shipper for transmission at the entry point to the transmission system and offtaken by the Shipper at the exit point, excluding the amounts delivered and off-taken at WPWE_{GG}, WPWY_{GG}, , WPWE_{PPG}, WPWY_{PPG}, WPWE_{OTC}, WPWY_{OTC}, WPWE_{OSP} and WPWY_{OSP}.

- 18.5.2 If the charge related to financial neutrality of balancing is negative, the TSO will grant the Shipper an appropriate discount within the transmission services rendered. In case when the amount of the discount exceeds the amounts due by the Shipper to the TSO in a given billing period, the Shipper shall issue an invoice for such difference arising from the neutrality charge.
- 18.5.3 The charge related to financial neutrality of balancing is settled only with the Shipper who had the status of Shipper in the period to which the settlement applies.
- 18.5.4 The charge related to financial neutrality of balancing and the SNF rate shall be determined in each billing period.
- 18.5.5 On its website, the TSO shall publish the "Mechanism for ensuring cost neutrality of the balancing measures undertaken by Gas Transmission Operator GAZ-SYSTEM S.A. in connection with the entry into force of Commission Regulation (EU) No 312/2014 of 26 March 2014 establishing a Network Code on Gas Balancing of Transmission Networks", which defines the mechanism for determining the charge related to the financial neutrality of balancing approved by a decision of the President of ERO.

19 SYSTEM CONGESTION MANAGEMENT

- 19.1 Congestion may occur in the transmission system in connection with:
- 19.1.1 limited capacity of the network or system facilities,
 - 19.1.2 limited capability of the TSO to store gaseous fuel in the transmission system and in the interoperating storage facilities,
 - 19.1.3 need to maintain minimum pressure at exit points from the transmission system,
 - 19.1.4 the need to maintain stable quality parameters of the gaseous fuel in the transmission system,
 - 19.1.5 works carried out within the transmission system operated by the TSO or in other interoperating systems,
 - 19.1.6 occurrence of an emergency situation,
 - 19.1.7 actions of System Users, their suppliers or Customers, which are in breach with the provisions of the TNC or the transmission contract.
- 19.2 As part of system congestion management, the TSO has the right to provide access to capacity (contracted capacity) booked but not used by the Network User, which limits the access to the transmission system for other parties. The terms and procedures for resale or offering the capacity (contracted capacity) unused by the Network User are set out in point 19.5 and point 19.6.
- 19.3 Measures taken by the TSO to eliminate the potential occurrence of system congestion:
- 19.3.1 At the stage of reviewing applications for capacity allocation, the TSO shall assess the capabilities for the performance of new contracts in such a manner that they do not undermine the level of security of supply or quality of the gaseous fuel supplied to the existing Network Users.
 - 19.3.2 In case when the capabilities exist for the performance of transmission services, the TSO shall offer available capacity in accordance with the provisions of the TNC.
 - 19.3.3 In case of the lack of the capability to provide firm transmission services, the TSO shall provide interruptible transmission services, to the extent this is possible.
 - 19.3.4 In order to prevent the occurrence of system congestion, the TSO shall cooperate with the ISOs on the terms and conditions specified in the interoperator agreements or inter-operator transmission contracts (ITC).
 - 19.3.5 Furthermore, the TSO shall take the following measures with a view to preventing the occurrence of system congestion:
 - 19.3.5.1 plan and implement the expansion of the transmission system,
 - 19.3.5.2 take appropriate steps to maximize the capacity utilization in the transmission system while securing its integrity,

- 19.3.5.3 operate the transmission system and control its operation so as to reduce the probability of any occurrence of system congestion,
 - 19.3.5.4 monitor technical and quality parameters of the transported gaseous fuel,
 - 19.3.5.5 schedule the work in the system so to avoid causing any congestion, and when congestion is unavoidable in connection with the works to be carried out, make efforts to mitigate the consequences of the congestion caused by the planned works,
 - 19.3.5.6 prepare operating procedures in the event of an emergency situation in the transmission system,
 - 19.3.5.7 introduce additional charges, as referred to in point 19.10, point 19.11 and point 19.12.
 - 19.3.5.8 apply oversubscription and buyback mechanisms.
- 19.3.6 Oversubscription and buyback mechanisms
- 19.3.6.1 For physical entry points to the system located at interconnections with transmission systems of neighbouring countries (FPWE_{OSP}), physical exit points from the transmission system located at interconnections with transmission systems of neighbouring countries (FPWY_{OSP}), and the Point of Interconnection (PWP), information on additional firm capacity to be made available for the following gas day, taking into account the technical conditions, expected offtakes from the system and capacity in the adjacent transmission system, shall be published by the TSO at the TSO's website, by noon (12.00 hours) of the gas day.
 - 19.3.6.2 In order for the transmission service to be delivered with the use of the additional capacity referred to in point 19.3.6.1 above, Network Users shall include such additional capacity in the process of submitting nominations according to point 14.3. The allocation of additional capacity shall be made in accordance with the provisions of point 7.7.
 - 19.3.6.3 In case when, during the performance of the transmission service, it is necessary to reduce the firm capacity (contracted capacity) made available under point 19.3.6.1, the TSO shall apply the capacity (contracted capacity) buyback mechanism described below with respect to the Network Users.
 - 19.3.6.4 The buyback shall take place under an auction procedure according to the rules of the Auction Platform to be drafted according to the principles set forth in point 19.3.6.7 and posted at the TSO's website. The auction to be used in the buyback procedure shall be carried out in accordance with the principles of a uniform-price auction within the meaning of the Commission Regulation (EU) No 984/2013 of 14 October 2013 establishing a Network Code on Capacity Allocation Mechanisms in Gas Transmission Systems and supplementing Regulation (EC) No 715/2009 of the European Parliament and of the Council (OJ EU L 273/5), save that the bids shall be ordered from the lowest one rather than from the highest one.
 - 19.3.6.5 The participation in the auction shall be open to any Network User that holds firm capacity (contracted capacity) at the point concerned by the buyback procedure.
 - 19.3.6.6 The TSO shall inform the Network Users referred to in point 19.3.6.5 about launching the buyback procedure in the form of an auction at least thirty (30) minutes prior to the beginning of the auction:

19.3.6.7 Auction principles:

- 19.3.6.7.1 the right to participate in the auction as an auction participant shall be available to the Network Users referred to in point 19.3.6.5, provided that they obtained a login and password for the Auction,
 - 19.3.6.7.2 the participation in the auction shall be anonymous, and in the course of the auction the identity of the auction participant shall be known exclusively to the TSO,
 - 19.3.6.7.3 each auction shall comprise one bidding round only and last for thirty (30) minutes,
 - 19.3.6.7.4 the bid of the auction participant may be placed, revised or withdrawn at any time during the bidding round; the bid shall be deemed binding until it is modified or removed,
 - 19.3.6.7.5 in the bid, the auction participant shall indicate the following:
 - 19.3.6.7.5.1 the identity of the auction participant,
 - 19.3.6.7.5.2 the entry/exit point for which the bid is placed,
 - 19.3.6.7.5.3 the capacity offered, which shall not exceed the firm capacity (contracted capacity) held by the auction participant, to the extent it is used in a confirmed nomination for the period concerned by the buyback procedure,
 - 19.3.6.7.5.4 the price, specified taking into account the provisions of point 19.3.6.7.7.
 - 19.3.6.7.6 The bid of the auction participant shall be deemed binding provided that it meets all the requirements set forth in point 19.3.6.7.5.
 - 19.3.6.7.7 The maximum price at which capacity (contracted capacity) buyback may be offered by the auction participant shall not exceed ten (10) times of the fixed charge applicable to services for one gas day, as specified in the TSO's Tariff.
 - 19.3.6.7.8 The capacity (contracted capacity) buyback under the auction procedure shall be made at the lowest price offered to the TSO.
 - 19.3.6.7.9 The TSO may accept the bid of the auction participant in part only,
 - 19.3.6.7.10 The final result of the auction shall be published by the TSO within thirty (30) minutes of its closing. Individual data will only be disclosed to the parties that they concern by electronic means in the soonest possible time.
- 19.3.6.8 In case when, as a result of the auction referred to in point 19.3.6.4, the TSO does not obtain sufficient capacity that is required to perform the transmission service with respect to confirmed nominations for a specific point for a given gas day, the TSO, with the appropriate discount rate set

out in TSO's Tariff, shall reduce the capacity allocation on firm basis (contracted capacity). The reduction referred to above shall be applied starting from the product with the shortest delivery term up to the product with the longest delivery term, and in case of products with the same delivery term, shall be prorated according to the hourly quantities of gaseous fuel approved in the Shippers' nominations for the period affected by the reduction.

19.3.6.9 As a result of the buyback procedure, the TSO shall reduce, as appropriate, the confirmed nominations of the parties whose bid was accepted, or those referred to in point 19.3.6.8.

19.3.6.10 The reduction of the TSO's compensation due to the buyback of the Network User's capacity (contracted capacity) under the procedure referred to in point 19.3.6.4 shall be reflected in the invoice issued to the Network User by the TSO for the performance of the transmission contract, in the form of appropriate discount.

19.3.6.11 The method of determining the amount of additional capacity provided under the oversubscription mechanism shall be agreed by the TSO with the President of ERO.

19.4 System congestion management in case of contractual congestion.

19.4.1 The TSO shall carry out on-going assessment of the utilisation of the technical capacity, while taking into account the transmission services currently provided under the existing transmission contracts, accepted applications for the capacity allocation and the executed transmission network connection agreements. The above analyses are aimed at preventing any possibility of capacity blocking in the in the transmission system and the occurrence of contractual congestion.

19.4.2 In the event of the occurrence of contractual congestion, which prevents the capacity allocation, the TSO shall make efforts to mitigate such congestion and to enable the capacity allocation, at least on an interruptible basis.

19.4.3 If, during the review of an application for capacity allocation it is revealed that no capacity is available, and allocated but unused capacity (contracted capacity) exists, i.e. when the Network User:

19.4.3.1 systematically underutilises the allocated capacity, i.e. uses annually less than 80 % of the capacity (contracted capacity) allocated to the Network User, both in the period from 1 April until 30 September and in the period from 1 October until 31 March, when the effective term of the capacity allocation (PP) has been longer than one gas year, and such situation cannot be reasonably justified,

19.4.3.2 has failed to sell or release the unused capacity (contracted capacity) on reasonable terms and other Network Users are seeking access to capacity at such point on a firm basis,

19.4.3.3 fails to justify the underutilisation of capacity (contracted capacity) in a satisfactory manner, in particular by evoking the following reasons:

19.4.3.3.1 the necessity to conform to legal requirements in respect of security of supply,

19.4.3.3.2 a failure on the part of the TSO or an interoperating system,

- 19.4.3.3.3 an extraordinary event on the part of a customer,
 - 19.4.3.3.4 a force majeure.
- 19.4.4 an appropriate declaration shall be submitted, following the obligation by the President of ERO to withdraw, in part or in full, the capacity (contracted capacity) allocation at a given physical entry or exit point.
- 19.4.5 The occurrence of the situation referred to in point 19.4.3 shall be notified by the TSO to the President of ERO.
- 19.5 Releasing capacity (contracted capacity)
 - 19.5.1 The Network User, excluding DSO and SSO, may release capacity (contracted capacity).
 - 19.5.2 If capacity (contracted capacity) is released, the rights and obligations related to the allocation of capacity and ability (PP/PZ) remain with the releasing System User.
- 19.6 Reselling capacity (contracted capacity)
 - 19.6.1 The Network User, with the exception of DSO and SSO, may resell the capacity (contracted capacity), including resale on an Internet platform specified by the TSO, in accordance with the rules of such platform.
 - 19.6.2 In the event that the capacity (contracted capacity) is re-sold to a System User outside the Internet platform specified by the TSO, the following procedure shall apply:
 - 19.6.2.1 the declarations of the System Users shall be sent to the TSO concerning the sale of the capacity (contracted capacity) containing information on the physical entry and exit points where the capacity (contracted capacity) is to be sold and the capacity values at those points, in the form posted on the TSO's website, subject to seven (7) days' notice period starting from the date on which the capacity (contracted capacity) is to be resold,
 - 19.6.2.2 prior to the date of reselling the capacity (contracted capacity), the TSO shall make available to the System Users in the IES the amended capacity allocation, corresponding to the System Users' declarations regarding the resale of capacity (contracted capacity).
 - 19.6.3 In case of the resale of capacity (contracted capacity) to an entity other than a System User, outside the Internet platform specified by the TSO, the procedures described in point 19.6.2 shall apply following the execution of a transmission contract with the TSO by the transferee in accordance with the provisions of point 6.
 - 19.6.4 In case when capacity (contracted capacity) is resold, all the rights and obligations (including OZO) resulting from the capacity and transmission ability allocation (PP/PZ) shall be transferred on the party that acquires the capacity (contracted capacity).
 - 19.6.5 If the System User resells the capacity (contracted capacity) obtained from the auction on a bundled basis, the System User must resell such capacity (contracted capacity) at the same time on both sides of the point to the same

System User, in accordance with the procedure described in point 19.6.2 provided that:

- 19.6.5.1 the statements referred to in point 19.6.2.1 should be sent to the TSO upon commencement of the resale procedure at the ISO, in accordance with the network code or another equivalent ISO document;
- 19.6.5.2 the TSO in consultation with the ISO shall confirm whether the System User to which the capacity (contracted capacity) is to be resold on a bundled basis meets the formal requirements set out in the TSO or ISO network codes, as necessary to conclude the transmission contract with that User on the capacity (contracted capacity) resold on a bundled basis;
- 19.6.5.3 if the TSO or ISO find that the System User to which the capacity (contracted capacity) is to be resold on a bundled basis fails to meet the formal requirements referred to in point 19.6.5.2, the operators shall refuse to approve the resale.

19.7 Surrender of allocated firm capacity (contracted capacity).

- 19.7.1 The System User may surrender the allocated capacity (contracted capacity) in points $FPWE_{OSP}$, $FPWY_{OSP}$ and PWP on an Internet platform, following the rules of such platform.
- 19.7.2 If the System User surrenders the capacity (contracted capacity) allocated on a bundled basis, the System User must surrender the capacity in both transmission systems.
- 19.7.3 The System User must pay the TSO the auction margin for the billing periods for a transmission product surrendered by the System User, based on an invoice issued by the TSO, paid within fourteen (14) days from the invoice date, under the pain of rejecting the declaration of surrendering the capacity (contracted capacity).
- 19.7.4 The Network User shall retain its rights and obligations under the capacity allocation (PP) until the capacity being surrendered by the Network User is re-allocated by the TSO to another Network User under the procedures referred to in point 7, and to the extent that it is not re-allocated by the TSO. The surrendered capacity shall be made available according to the order of the submission of complete declarations of surrender by the Network User.
- 19.7.5 The capacity (contracted capacity) being surrendered by the Network User shall be allocated only when the allocation of the entire unreserved transmission capacity is allocated by the TSO. The TSO shall not offer capacity (contracted capacity) surrendered by the Network User in accordance with point 19.7 as part of products for a period of one gas day.
- 19.7.6 The TSO shall immediately inform the Network User on the re-allocation of the capacity (contracted capacity) surrendered by such Network User, making available in the IES the changed capacity allocation (PP), reflecting the changes related to the surrendering by this Network User, and the changed capacity allocation (PP) for other Network Users.
- 19.7.7 In case of the re-allocation of the capacity referred to in point 19.7.6 by the TSO, the Network User that surrendered the capacity (contracted capacity) shall pay charges for transmission services in respect of the capacity that has

not been subject to the re-allocation of capacity to another Network User, on the terms applicable to the originally contracted product.

19.8 Release of allocated interruptible capacity

19.8.1 The System User may release the allocated interruptible capacity product subject to one month's notice effective at the end of the gas month.

19.8.2 In case when bundled capacity is to be release, the System User shall release the capacity in both transmission systems.

19.9 System congestion management in case of incompatibility of the off-take or deliveries of gaseous fuel with the Shippers' confirmed nomination:

19.9.1 The TSO shall schedule the operation of the transmission system on the basis of the nominations and re-nominations received from Shippers and transportation forecasts presented by DSOs, as referred to in point 19.11.1.

19.9.2 In the event that the quantities of gaseous fuel delivered for transmission and the quantities off-taken from the transmission system are inconsistent with the confirmed nominations and transportation forecasts, the TSO shall take additional steps to adjust the system's operation to the new conditions.

19.9.3 If the inconsistency between the actual volumes and the nomination exceeds the acceptable tolerance, as specified in point 14.2.28, the TSO shall apply additional charges in accordance with point 19.10.

19.10 The method of calculating the charges for inconsistency with the confirmed nominations

19.10.1 The charge for inconsistency with the daily quantities of gaseous fuel specified in the confirmed nomination at the exit point (ONWW) shall be calculated as follows:

19.10.1.1 the relative inconsistency with the nomination at the exit point (PNWW) shall be calculated according to the following formula:

$$\mathbf{PNWW = [MOD(N_z - I_G)/N_z] * 100\%}$$

where:

MOD	absolute value
N _z	daily quantity of gaseous fuel specified in the confirmed nomination
I _G	daily quantity of gaseous fuel off-taken by the Shipper

19.10.1.2 if PNW > 10%, the TSO shall calculate and apply a charge for the inconsistency with the nomination at the exit point, which shall be calculated according to the following formula:

$$\mathbf{ONWW = (PNWW - 10\%)* N_z * 0.01 * CRG}$$

where:

PNWW	inconsistency with the nomination at the exit point,
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N_z	daily quantity of gaseous fuel specified in the confirmed nomination [kWh]
CRG	Gas Reference Price, [PLN/kWh],

19.10.2 In the event that the value of the daily quantity at the given exit point is nominated as zero ($N_z = 0$), the TSO shall calculate and apply a charge for inconsistency with the nomination at an exit point (ONWW), which shall be calculated according to the following formula:

$$\text{ONWW} = I_e * 0.01 * \text{CRG}$$

where:

I_e	daily quantity of gaseous fuel off-taken by the Shipper [kWh]
CRG	Gas Reference Price, [PLN/kWh],

19.10.3 The TSO shall not apply the charges for inconsistency with the confirmed nominations at exit points when the inconsistency with the confirmed nominations occurred due to the reasons attributable to the TSO, including a failure in the transmission system of the TSO.

19.10.4 The revenues earned by the TSO in connection with the application of the charges for inconsistency with the daily quantities of gaseous fuel specified in an approved nomination shall be settled with the Network User as part of the mechanism for determining the rate of the charge related to financial neutrality of balancing..

19.11 System congestion management in case of incompatibility of the off-take or deliveries of gaseous fuel with the DSO transportation forecasts.

19.11.1 DSOs shall provide a transportation forecast for each gas day for the interconnection physical points located at the interconnection between the transmission system and the distribution system.

19.11.2 The transportation forecast shall be provided by 14:00 hours of the gas day preceding the gas day it relates to.

19.11.3 In the transportation forecast the DSO shall specify the hourly quantities of gaseous fuel planned to be off-taken at each of the interconnection physical points at the interconnection between the transmission system and the distribution system.

19.11.4 The transportation forecast shall take into account the transition from summer to winter time and from winter to summer time when the gas day is longer or shorter by one (1) hour, as appropriate.

19.11.5 In the event of the DSO's failure to provide a transportation forecast, the transportation forecast shall be deemed to amount to zero (0).

19.11.6 The provision of point 14.4 shall apply, as appropriate, to the transportation forecast.

19.11.7 For each gas day, the difference between the daily quantity of gaseous fuel indicated by the DSO in the transportation forecast and the actual quantity of gaseous fuel delivered for transmission or off-taken at the point for which the transportation forecast is presented shall be determined.

19.11.8 If the difference referred to in point 19.11.7 exceeds 10 % of the daily quantity gaseous fuel indicated in the transportation forecast for a given point, or the groups of points referred to in point 3.8.4, the DSO shall be subject to a charge calculated in accordance with the following formula:

19.11.8.1 The charge for inaccuracy of the transportation forecast (ONP) shall be calculated as follows:

$$\text{ONP} = (\text{WTP} - 10\%) * \text{IPT} * 0.01 * \text{CRG}$$

where:

WTP	relative inconsistency of the transportation forecast at the point,
IPT	daily quantity of gaseous fuel indicated in the transportation forecast for the point [kWh]
CRG	Gas Reference Price, [PLN/kWh],

19.11.8.1.1 the relative inconsistency of the transportation forecast at a given point shall be calculated in accordance with the following formula:

$$\text{WTP} = [\text{MOD}(\text{IPT} - \text{IZM})/\text{IPT}] * 100\%$$

where:

MOD	absolute value
IPT	daily quantity of gaseous fuel indicated in the transportation forecast for the point [kWh]
IZM	daily quantity of gaseous fuel measured at the point [kWh/h]

19.11.8.1.2 In case when the value of the transportation forecast at a given point was zero (IPT=0), the TSO shall apply the charge for inaccuracy of the transportation forecast at such point (ONP), which shall be calculated in accordance with the following formula:

$$\text{ONP} = \text{IZM} * 0.01 * \text{CRG}$$

where:

IZM	daily quantity of gaseous fuel measured at the point [kWh]
CRG	Gas Reference Price, [PLN/kWh],

19.11.9 The DSO's Commercial Transmission Report containing the data to be used as the basis for the settlement in respect of congestion management under point

19.11 shall be compiled without undue delay after the end of the gas month such settlement relates to.

19.12 Congestion management in case of the failure to maintain the quality parameters of the gaseous fuel and the minimum pressure.

19.12.1 In situations where the relevant quality parameters of the gaseous fuel are not met at physical entry points, as specified in point 3.3.5, the TSO may introduce restrictions on the acceptance of gaseous fuel for transmission at the entry points and the off-take at the exit points with respect to System Users on whose part circumstances resulting in such a situation have arisen.

19.12.2 When introducing the restrictions, TSO shall inform the System User of the starting time of the restrictions, their expected duration and the maximum hourly and daily ability to deliver gaseous fuel to or off-take gaseous fuel from the transmission system at the specified points.

19.12.3 The restrictions introduced in accordance with point 19.12.1 shall be implemented by the Network Users in accordance with the information provided by the TSO through the reduction of deliveries or off-takes of gaseous fuel to or from the transmission system. In the event when the System Users fail to conform to the restriction that is introduced, the TSO may suspend the acceptance of gaseous fuel into the transmission system.

19.12.4 In case when the gross calorific value of gaseous fuel delivered by the Network User for transmission at a physical entry point, or off-taken at a physical exit point exceeds the value specified in point 3.3.1, the parties to the transmission contract shall not make any additional settlements in this regard.

19.12.5 In case when the gross calorific value of gaseous fuel delivered by the Network User for transmission at a physical entry point exceeds the value specified in point 3.3.1, the TSO shall be required to ensure that the gross calorific value of gaseous fuel at the physical exit point is at least equal or higher than H_{SNmin} .

19.12.6 In case when the gross calorific value of the gaseous fuel delivered at a physical entry point is lower than $H_{SNmingr}$, where $H_{SNmingr}$ for respective systems is:

$H_{SNmingr}$	9,444 kWh /m ³ for the group E high methane gas system
$H_{SNmingr}$	8,333 kWh /m ³ for the Lw sub-group low-methane gas system

19.12.6.1 the Network User shall be subject to a charge, which is calculated according to the following formula:

$$O_{NCWgr} = I_{GI} * 2 * CRG * (1 - H_{ZW}/H_{SNmin})$$

where:

O_{NCWgr} charge for an off-spec gross calorific value at a physical entry point [PLN]

I_{GI} quantity of gaseous fuel with off-spec gross calorific value that is delivered at the physical entry point (kWh)

CRG	Gas Reference Price (PLN/kWh)
H _{zw}	actual gross calorific value of the gaseous fuel delivered at the physical entry point [kWh/m ³]
H _{SNmin}	minimum gross calorific value specified in point 3.3.1 [kWh/m ³]

19.12.7 In the event that group E gaseous fuel of a gross calorific value of more than H_{SNmingr} amounting to 9.444 kWh /m³, but less than H_{SNmin} amounting to 10.556 kWh/m³, is delivered for transmission at a physical entry point, the Network User shall be subject to a charge in the amount calculated according to the following formula:

$$O_{NCW} = I_{GI} * CRG * (1 - H_{zw}/H_{SNmin})$$

where:

O _{NCW}	charge for an off-spec gross calorific value at a physical entry point [PLN]
I _{GI}	quantity of gaseous fuel with off-spec gross calorific value that is delivered at the physical entry point [kWh]
CRG	Gas Reference Price [PLN/kWh]
H _{zw}	actual gross calorific value of the gaseous fuel delivered at the physical entry point [kWh/m ³],
H _{SNmin}	minimum gross calorific value referred to above [kWh/m ³].

19.12.8 In case when the TSO agrees in writing to accept the delivery of group E gaseous fuel with the gross calorific value as specified in point 19.12.7, the charge for the delivery of such gaseous fuel into the transmission system shall amount to 50% of the charge referred to in point 19.12.7. The TSO's consent for the acceptance of gaseous fuel with reduced gross calorific value that lies within the range specified in point 19.12.7 at the physical entry point may only be expressed upon the Network User's written request, which is to be submitted at least 48 hours before the planned delivery of such gaseous fuel to the physical entry point.

19.12.9 The gross calorific value (H_{zw}) shall be calculated in accordance with point 3.4.6.

19.12.10 Additional charges shall be imposed if the gaseous fuel delivered to the transmission system at a physical entry point or off-taken at a physical exit point does not conform to the quality parameters specified in the table below.

Gaseous fuel quality characteristics	Unit of measure	Maximum acceptable value X _{SJNmax}
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Hydrogen sulphide content*	mg/m ³	7.0
Mercury fumes content*	µg/m ³	30.0
Total sulphur content*	mg/m ³	40.0

* The figures in the table refer to normal conditions.

19.12.10.1 If the gaseous fuel delivered by the Network User to the transmission system at a physical entry point does not conform to at least one of the quality parameters specified in point 19.12.10, the TSO shall be entitled to a charge from the Network User for each of the quality parameters in point 19.12.10 that is off-spec, which is to be calculated according to the following formula:

$$O_{NSJW} = I_{GI} * 2 * CRG * (X_{SJW} - X_{SJNmax}) / MOD(X_{SJNmax})$$

where:

- O_{NSJW} charge for an off-spec quality parameter [PLN]
- I_{GI} quantity of gaseous fuel with the off-spec quality parameter that is delivered at the physical entry point [kWh]
- CRG Gas Reference Price [PLN/kWh]
- MOD Absolute value
- X_{SJNmax} the highest admissible value of the given quality parameter as set out in point 19.12.10,
- X_{SJW} actual value of the quality parameter of the gaseous fuel delivered at the physical entry point

19.12.10.2 The parties shall ensure an adequate level of water dew-point of the gaseous fuel delivered to the transmission system at physical entry points or off-taken at a physical exit point from the transmission system, in accordance with the following requirements:

19.12.10.2.1 the highest acceptable value of water dew-point (X_{STNmax}) for 5.5 MPa from 1 April until 30 September is +3.7 °C (276.85 K),

19.12.10.2.2 maximum acceptable value of the water dew point (X_{STNmax}) for 5.5 MPa from 1 October until 31 March is -5 °C (268.15 K).

19.12.10.3 In the event when the gaseous fuel delivered to the transmission system at a physical entry point is off-spec with regard to the parameters specified in point 19.12.10.2, the TSO shall be entitled to a charge from the Shipper in the amount calculated according to the following formula:

$$O_{NSTW} = I_{GI} * 0,1 * CRG * (X_{STW} - X_{STNmax}) / MOD(X_{STNmax})$$

where:

O_{NSTW}	charge for an off-spec water dew point parameter [PLN]
I_{GI}	quantity of gaseous fuel with off-spec value of the water dew point parameter [kWh]
CRG	Gas Reference Price [PLN/kWh]
MOD	Absolute value
X_{STNmax}	the highest acceptable value of water dew point [K],
X_{STW}	actual value of the water dew point of the gaseous fuel delivered at the physical entry point [K]

19.12.10.4 The TSO shall be entitled to a charge from the Network User, which shall be calculated in accordance with the formula set out in point 19.12.10.1 or point 19.12.10.3 for each of the quality parameters referred to in point 19.12.10 or point 19.12.10.2. The above charge shall be calculated for each of the off-spec quality parameters individually.

19.12.11 The parties are required, in the event of assessing the capacity of transporting gaseous fuel of an inadequate quality, to immediately inform the other party of the possibility of such a situation occurring.

19.12.11.1 In the event of failing to maintain the minimum delivery pressure at a physical entry point to the transmission system, the TSO is entitled to a charge from the Network User on this account, and the amount of such charge shall be calculated according to the following formula:

$$O_{NMC} = 0,0004 \sum_{i=1}^n (I_{GI} \cdot \Delta p_i)$$

where:

O_{NMC}	charge for an off-spec minimum pressure at a physical entry point [PLN]
I_{GI}	quantity of gaseous fuel delivered at the physical entry point during the day when the contractual pressure parameter was off-spec
Δp_i	difference between the average daily pressure of the gaseous fuel delivered at the physical entry point to the transmission system and the contractual pressure [MPa]
n	gas days in which the contractual pressure parameter was off-spec

19.12.11.2 In the event of a failure to maintain adequate pressure of the supply in the physical entry point to the transmission system, the TSO may request the Network User, apart from the charge specified in point 19.12.11.1, to cover the amounts of compensation or discounts that the TSO paid to other Network User on the account of the failure to maintain the pressure at the physical exit points.

- 19.12.11.3 In the event of a failure to maintain the minimum supply pressure at a physical entry point to the system, the TSO may impose restrictions on the acceptance of gaseous fuel at the physical entry point and off-take at physical exit points with respect to the System User on whose side the circumstances causing such a situation arose, to a level that enables it to maintain the minimum pressures specified for the relevant point on the TSO's website.
- 19.12.11.4 When imposing the restrictions, the TSO shall provide the System User with information on the starting date of the restrictions and their duration, as well as the maximum hourly and daily capabilities for the supply of gaseous fuel to and its off-take from the transmission system at the specified physical entry and exit points. In the event that the TSO provides the information on restrictions or total interruption in the performance of the gas transmission services, the System User, within two (2) hours of obtaining such information, shall be required to adjust the nomination at a given point and correspondingly at the remaining entry and exit points and to submit re-nominations to the TSO.
- 19.12.11.5 The restrictions introduced pursuant to point 19.12.11.3 shall be implemented by the System User according to the information submitted pursuant to point 19.12.11.4. In the event when the System User fails to conform to a restriction imposed on it, the TSO may interrupt the acceptance of gaseous fuel into the transmission system and its delivery at the exit points.
- 19.12.11.6 In case when contracts for multiple Network Users are executed at a given point, the charges referred to in point 19.12, point 19.12.10 and point 19.12.11 shall be prorated among the Network Users based on the respective billing allocation made for each of them at such point.
- 19.13 The provisions of point 19.3.6, point 19.4 and point 19.7 do not apply to the physical entry points and entry points from the transmission systems of non-members of the European Union or the Member States of the European Free Trade Association (EFTA) - parties to the Agreement on the European Economic Area.

20 EXCHANGE INFORMATION RELATED TO PRESENTATION OF CONTRACTS FOR EXECUTION, BALANCING AND SYSTEM CONGESTION MANAGEMENT

20.1 General provisions

- 20.1.1 The exchange of information related to the provision of transmission services between the TSO and the System Users and OPRs, including the Shippers and the Network Users, shall take place by the means of the Information Exchange System (IES). The System User shall be informed about the change of the data status in the IES by email.
- 20.1.2 Detailed information concerning the access to the IES, its operation, content and functionality shall be described in the user manual available at the TSO's website
- 20.1.3 Electronic exchange of information related to the performance of the concluded transmission contracts shall be based on the electronic document interchange standard EDIG@S in the version specified on the TSO's website.
- 20.1.4 The file formats are described in detail on the TSO's website. Information on the modification of the requirements applicable to the files to be transferred shall be announced on the TSO's website six months in advance.

20.2 Method of information interchange

- 20.2.1 The information exchange referred to in point 20.1.3 shall take place using ICT connections.
- 20.2.2 The TSO, DSO, OPR, SSO, the owner of the storage facilities and the Shipper shall ensure protection and integrity of the files transferred.

20.3 The responsibility for the form and content of the information of the documents rests with the party sending the document.

20.4 Information provided by the TSO

- 20.4.1 The TSO shall publish the full wording of the TNC on the TSO's website, which contains standard terms and conditions specifying the rights and obligations of the System User.
- 20.4.2 The TSO shall publish on the TSO's website the relevant information, as required under the legal regulations, and specifically the data concerning entry and exit points, as agreed with the competent authorities.
- 20.4.3 The TSO shall publish on the TSO's website the transmission system chart, together with a list of entry and exit points on its website.
- 20.4.4 The TSO shall notify the System Users of any events that could have an impact on the provision of gas transmission services, as well as the operation of interoperating systems, including changes in the timing of work and the timing of previously unscheduled work.
- 20.4.5 The TSO shall submit to the ISO information on the nomination and re-nomination received from the Shipper in order to confirm the possibility of performing them in the interoperating system.

- 20.4.6 The TSO, on the basis of information obtained in accordance with 20.6.5, shall submit to the Shipper forecasts regarding the daily quantities of gaseous fuel off-taken by the Shipper, measured less often than daily ("forecast"), at PWY_{OSD}.
- 20.4.6.1 The TSO provides the forecast to the Shipper by 13:00 on the day preceding the gas day the forecast concerns,
- 20.4.6.2 The TSO provides the first update of the forecast by 14:00 during the gas day the forecast concerns.
- 20.4.6.3 The TSO provides the second update of the forecast by 20:00 during the gas day the forecast concerns.
- 20.4.7 The TSO provides the Shipper electronically via IES, by 14:00 on the gas day, the following provisional data (estimated), covering the first four (4) hours of the gas day (6:00 - 10:00):
- 20.4.7.1 quantity of delivered and off-taken gas at various points of entry and exit,
- 20.4.7.2 imbalance in the first four hours of the gas day.
- 20.4.8 The TSO provides the Shipper electronically via IES, by 18:00 on the gas day, the following provisional data (estimated), covering the first eight (8) hours of the gas day (6:00 - 14:00):
- 20.4.8.1 quantity of delivered and off-taken gas at various points of entry and exit,
- 20.4.8.2 imbalance in the first eight (8) hours of the gas day.
- 20.4.9 The TSO provides the Shipper electronically via IES, by 12:00 on the next gas day following the provisional data (estimates) for the previous gas day:
- 20.4.9.1 quantity of delivered and off-taken gas at various points of entry and exit,
- 20.4.9.2 daily imbalance.
- 20.4.10 Subject to point 18.4.6, the TSO shall provide the Shipper electronically via IES, without undue delay after the end of the gas month the settlement relates to with the following billing data concerning the current gas month:
- 20.4.10.1 daily quantities of gaseous fuel delivered and off-taken at the respective entry and exit points,
- 20.4.10.2 information on the difference between the daily quantities of gaseous fuel in the confirmed nominations and the quantities of gaseous fuel delivered and off-taken at the respective entry and exit points,
- 20.4.10.3 daily imbalance by gas day,
- 20.4.10.4 values of DLN overruns, if any.
- 20.4.11 The TSO shall advise the Network User of the average pressure of gaseous fuel supply for each month in the gas month, by entry point.
- 20.4.12 The TSO shall provide the DSO with billing data for interconnection physical entry and exit points operated by the TSO and located at the interconnection of the transmission and distribution system, in accordance with the schedule set out in point 15.8, operational data for the previous gas day by 08:00 am, estimated quantities of gaseous fuel for the first four hours of a gas day (from 6 am to 10 am of a given day) until 11 am on a given gas day, estimated

quantities of gaseous fuel for the first eight hours of a gas day (from 6 am to 14 pm of a given day) until 15 pm on a given gas day.

20.4.13 The TSO shall present HRP_{OSD} to the DSO.

20.4.14 For interconnection physical exit points ($MFPWY_{OSD}$), for which interruptible capacity (contracted capacity) was allocated, the TSO shall provide the DSO with information on off-take restriction at the interconnection physical exit point ($MFPWY_{OSD}$) whenever such necessity arises. The DSO shall be required to adjust its off-take at the relevant point within two (2) hours of receiving the information about the restriction.

20.4.15 For interconnection physical exit points ($MFPWY_{OSD}$), for which interruptible conditionally firm capacity (contracted capacity) was allocated, the TSO shall inform DSO of not assuring required supply of gaseous fuel at specific physical entry points (PWE), based on submitted nominations.

20.4.16 The TSO shall provide the DSO with a list of Shippers with allocated ability for PWE_{OSD} and PWY_{OSD} to a given DSO

20.4.17 For interconnection physical entry or exit points ($MFPWE_{OSM}$ or $MFPWY_{OSM}$), which were allocated capacity (contracted capacity) on an interruptible basis, the TSO provides the SSO information on limitations of delivery at the interconnection physical entry or exit point ($MFPWE_{OSM}$ or $MFPWY_{OSM}$), if this is necessary. OSM within two (2) hours of receipt of the above information is required to adjust the flow at the given point to the information about the limitation.

20.5 The information referred to in points from 20.4.5 to 20.4.12 shall be provided in formats specified by the TSO.

20.6 Information provided by the DSO

20.6.1 DSOs shall provide the following information to the TSO:

20.6.1.1 transportation forecast referred to in point 19.11,

20.6.1.2 information on quantities of gaseous fuel allocated to individual Shippers in accordance with point 15.7,

20.6.1.3 together with a curtailment plan applicable to the Customers connected to the distribution system, as approved by the President of ERO, the DSO shall provide the following information concerning the Customers covered by such plan: rank number in the curtailment plan, Customer name and registered address together with postal code, Customer's REGON number, name and address of the connected plant (off-take point for gaseous fuel), type of business activity, contracted capacity and a list of interconnection physical exit points from the TSO's transmission system that are or may be used for supplying gaseous fuel to the Customer,

20.6.1.4 curtailment plans for individual Customers and the degrees of supply rationing, after their approval by the President of ERO, containing updated schedules with the daily and hourly quantities,

20.6.1.5 the total daily quantities of gaseous fuel used in the previous month by Customers covered by curtailment plans prepared by the DSO, broken down by types of gaseous fuel, by the tenth (10th) day of each month,

- 20.6.1.6 during the period of applicability of the restrictions introduced by the Council of Ministers under the procedure of Article 56 of the Stockpiling Act, the DSO shall report the daily quantities of gaseous fuel for the previous gas day for the individual Customers covered by the curtailment plan prepared by the DSO, each day by 10am,
 - 20.6.1.7 a notification on the occurrence of a disruption in the DSO's system, which could affect the conditions of the off-take of gaseous fuel from the TSO system, containing information on the reason for the occurrence of disruptions, their expected duration, the reduction in capacity (contracted capacity) at the points of interconnect with the TSO system, the values of the parameters that are off-spec with respect to the contractual conditions and a confirmation of the revised nominations arising from the disruptions,
 - 20.6.1.8 information on System Users whose customers are supplied from the areas referred to in point 13.3.
- 20.6.2 The DSO shall deliver to the TSO, by the third (3rd) business day of the following month, the necessary information concerning the stations that comprise the substitute exit points, which is required for the billing for the gas transmission services, i.e. the measurement data obtained from the facilities of the gas stations including the daily, monthly and hourly quantities of transmitted gaseous fuel.
- 20.6.3 The data referred to in point 20.6.1.3, point 20.6.1.4, point 20.6.1.5 and point 20.6.1.6 shall be delivered to the TSO electronically, in the file format specified by the TSO in the agreements referred to in point 3.8 and 3.9.
- 20.6.4 The DSO shall immediately inform the dispatcher service of the TSO of any failure of the distribution system that influences or may influence the functioning of the transmission network, and such notification shall in any case be made within four (4) hours of its occurrence.
- 20.6.5 Forecasts for daily quantities of gaseous fuel off-taken by the Shipper on the current and next gas day, measured less often than daily.
- 20.6.5.1 The DSO shall submit to the TSO forecasts regarding the quantities of gaseous fuel off-taken by the Shipper on the given gas day, measured less often than daily ("forecast").
 - 20.6.5.2 The OSD, by 12:00 on the day preceding the gas day the forecast concerns, shall notify the TSO the forecast broken down into individual Shippers off-taking fuel to PWY_{OSD}.
 - 20.6.5.3 DSO performs the first update of the presented forecast by 13:00 during the gas day the forecast concerns.
 - 20.6.5.4 DSO performs the second update of the presented forecast by 19:00 during the gas day the forecast concerns.
 - 20.6.5.5 DSO submits the forecasts in the format specified by the TSO. Information about the data format to be used for submitting forecasts will be published by the TSO on the TSO's website.
- 20.7 Information to be provided by the SSO.
- 20.7.1 SSOs shall supply the following to the TSO:

- 20.7.1.1 information on the matching of the nominations and re-nominations at the exit / entry points connected to the storage facilities in accordance with the provisions of point 14.5.2 and point 14.5.3,
- 20.7.1.2 at the request of the TSO within seven (7) days, the profiles of injection and withdrawal from the storage facilities and their updates,
- 20.7.1.3 telemetry data on pressure, quantity, volume and quality of the gaseous fuel injected to and withdrawn from the storage facilities,
- 20.7.1.4 data on the quantity of gaseous fuel withdrawn from and injected into storage on the previous gas day and the balance of the working volume of the storage facility for the previous gas day by 09:00 am of every day,
- 20.7.1.5 a notification on the occurrence of disruptions in the operation of the storage facilities, when such disruptions could affect the conditions under which these facilities interoperate with the transmission system, containing information on the reason for the occurrence of the disruptions, their expected duration, the reduction in capacity (contracted capacity) at the points of interconnect with the TSO system, the values of the parameters that are off-spec with regard to the contractual conditions and a confirmation of the revised nominations arising from the disruptions,
- 20.7.1.6 information on work planned in the storage facilities, when such work could affect the conditions under which these facilities interoperate with the transmission system, in order to agree the possible timing and duration of the work with TSO.
- 20.7.1.7 Information on the owners and the daily quantities of gaseous fuel withdrawn from the storage facilities, within seven (7) days of the day when the compulsory stocks of gaseous fuel referred to in the Stockpiling Act are mobilised, on the basis of the information submitted by the TSO pursuant to point 21.2.6.

20.8 Information to be provided by the Shippers.

20.8.1 The Shippers supply the following to the TSO:

- 20.8.1.1 nominations and re-nominations of the quantity of gaseous fuel in accordance with the provisions of point 14.3 and 14.4,
- 20.8.1.2 information on any disruptions on the part of the Shipper's Customers and suppliers, which could affect the operating conditions of the TSO's transmission system, including the reason for the occurrence of such disruptions, their expected duration, the reduction in capacity at the points of interconnect with the TSO system, the values of the parameters that are off-spec with respect to the contractual conditions and a confirmation of the revised nominations arising from the disruptions,
- 20.8.1.3 information on the security of gas supply measures available to the Shipper, as referred to in Annex II to Regulation (EU) No 994/2010 of the European Parliament and of the Council of 20 October 2010 concerning measures to safeguard security of gas supply and repealing Council Directive 2004/67/EC, as regards:
 - 20.8.1.3.1 supply-side measures:
 - 20.8.1.3.1.1 increased production flexibility,
 - 20.8.1.3.1.2 increased import flexibility,

- 20.8.1.3.1.3 facilitating the integration of gas from renewable energy sources into the gas network infrastructure,
- 20.8.1.3.1.4 commercial gas storage — withdrawal capacity and volume of gas in storage,
- 20.8.1.3.1.5 diversification of gas supplies and gas routes,
- 20.8.1.3.1.6 use of long-term and short-term contracts,
- 20.8.1.3.1.7 contractual arrangements to ensure security of gas supply,
- 20.8.1.3.2 demand-side measures:
 - 20.8.1.3.2.1 use of interruptible contracts,
 - 20.8.1.3.2.2 fuel switch possibilities including use of alternative back-up fuels in industrial and power generation plants,
 - 20.8.1.3.2.3 voluntary reduction of gas off-take,
 - 20.8.1.3.2.4 increased efficiency,
 - 20.8.1.3.2.5 increased use of renewable energy sources.
- 20.8.1.3.3 expected impact of the implementation of the above measures.
- 20.8.1.4 information on the Shipper's Customers directly connected to the TSO's transmission system that are subject to the restrictions in the supply and off-take of the gaseous fuels – by 31 July of every year. This information should contain the Customer's name and address, the identification of the exit point to which the given Customer is connected, as well as the contracted capacity,
- 20.8.1.5 information on the level of compulsory stocks and the characteristics of the storage facility pursuant to point 21.6,
- 20.8.1.6 information on the level of compulsory stocks of gaseous fuel, as verified or established under a decision of the President of ERO by 15 June of every year.
- 20.8.1.7 the actual level of compulsory stocks of gaseous fuel held and the location of their storage, based on the status as at the 15th September – by 20th September of every year.
- 20.8.1.8 operating procedures prepared pursuant to point 21.4.1,
- 20.8.1.9 information on the total quantity of the compulsory stocks mobilised from individual storage facilities located outside the territory of the Republic of Poland in a given gas day by 09:00 hours of the following day in the event of the mobilisation of the compulsory stocks of gaseous fuel maintained in these storage facilities.
- 20.8.2 The Shipper shall provide the TSO with the following information from the entry points to the transmission system, which are not utilised by the TSO, by the 3rd business day of the following month:

- 20.8.2.1 measurement data, containing the hourly, daily and monthly quantities and the delivery pressure of the gaseous fuel delivered for transmission,
 - 20.8.2.2 average monthly gross calorific value of gaseous fuel, total sulphur content and the values of water dew point, if available.
- 20.8.3 The information referred to in points from 20.8.1 to 20.8.2 shall be provided in formats specified by the TSO.

21 PROCEDURES APPLICABLE IN EMERGENCY SITUATIONS

21.1 An emergency situation in the transmission system

- 21.1.1 In case of an emergency situation resulting in a threat to the security of the transmission system operation, the TSO shall take immediate action to eliminate the emergency situation and to restore proper operation of the transmission system.
- 21.1.2 In case of an emergency situation resulting in a shortage of gaseous fuel in the transmission system, the TSO shall, in particular, take the following actions:
 - 21.1.2.1 take advantage of the relevant regulatory instruments,
 - 21.1.2.2 take the necessary steps in cooperation with the interested entities, as specified in point 21.2 and point 21.4.
- 21.1.3 If the measures referred to in point 21.1.2 prove inadequate, the TSO shall report to the competent minister for the economy the necessity to impose restrictions in accordance with Article 53 in connection with Article 56 of the Stockpiling Act.
- 21.1.4 The TSO shall immediately inform the System Users and the interoperating system operators that an emergency situation has taken place, which could affect the operation of their facilities, installations or networks and, in particular, of the expected duration and extent of the restrictions in the transmission of gaseous fuel.
- 21.1.5 In case of an emergency situation, the TSO shall not accept gaseous fuel for transmission or shall not deliver gaseous fuel to an exit point, if this could result in a threat to security of the transmission system operation, human health or lives or the environment, or could cause damage to property, and the TSO shall immediately inform the Shipper thereof.
- 21.1.6 In an emergency situation, the System Users shall be obliged to cooperate with the TSO to the necessary extent.
- 21.1.7 The respective personnel of the parties authorised to act as contact persons in case of an emergency situation shall be indicated in the transmission contract.

21.2 Procedure for mobilisation of additional deliveries of gaseous fuel.

- 21.2.1 In case of disruptions in the supply of gaseous fuel, unexpected increase in its consumption, or in the event of a sudden, unexpected damage or destruction of facilities, installations or networks resulting in an interruption in their use, or their loss of their characteristics, which presents a threat to the security of the transmission system operation, the TSO shall take steps, in cooperation with the energy companies engaged in activity in respect of the importation of gaseous fuel for its subsequent resale to customers, other operators of gas systems, as well as Shippers, in order to ensure or restore proper operation of the transmission system.
- 21.2.2 In the cases referred to in point 21.2.1:
 - 21.2.2.1 an energy company engaged in business activity in respect of the importation of gaseous fuel for its subsequent resale to customers, operators

- of storage facilities and natural gas liquefaction facilities, as well as entities responsible for the dispatch of the capacity in storage facilities and LNG facilities are required to remain in a state of readiness for the mobilisation of compulsory stocks of gaseous fuel,
- 21.2.2.2 the TSO shall immediately inform the energy company engaged in business activity in respect of foreign trade and supply of gaseous fuel importers of gaseous fuel of the necessity and date of the mobilisation of the compulsory stocks of gaseous fuel,
- 21.2.2.3 the energy company engaged in business activity in respect of the importation of gaseous fuel for its subsequent resale to customers and Shippers shall be required to comply with the instructions of the TSO.
- 21.2.3 The TSO shall mobilise compulsory stocks of gaseous fuel after obtaining the relevant approval from the competent minister for the economy.
- 21.2.4 In case when the supplies of gaseous fuel do not match the demand for gaseous fuel in the transmission system, the TSO shall have the right to instruct the Shipper to mobilise any additional volumes of gaseous fuel held in storage facilities pursuant to Article 51 item 2 clause 3 of the Stockpiling Act, and such instruction shall be communicated to the SSO.
- 21.2.5 The TSO shall inform the Shipper of the mobilisation of compulsory stocks for its benefit on the day of such mobilisation. This information shall be passed on to the Shipper's dispatcher services via electronic means or by fax.
- 21.2.6 The SSO shall advise the TSO on the total quantity of compulsory stocks mobilised in individual storage facilities in a given gas day by 9:00 am of the following day, subject to the provisions of point 21.2.7.
- 21.2.7 In case when compulsory stocks are maintained in storage facilities located outside the territory of the Republic of Poland, the Shipper shall provide information on the total quantity of the mobilised compulsory stocks from individual storage facilities in a given gas day by 09:00 hours of the following day.
- 21.2.8 Immediately after obtaining the information from the SSO concerning the owners and quantities of gaseous fuel withdrawn from the storage facilities, the TSO shall pass on this information to:
- 21.2.8.1 the DSO whose shippers are concerned by this information,
- 21.2.8.2 the energy companies engaged in business activity in respect of the importation of gaseous fuel for its subsequent resale to customers that have the title to the off-taken gaseous fuel,
- 21.2.8.3 the Shippers for the benefit of whom the additional deliveries of gaseous fuel were mobilised.
- 21.2.9 The settlements between the owners of the gaseous fuel and the entities for the benefit of whom the additional deliveries of gaseous fuel were mobilised shall take place under the principles specified in Article 52 of the Stockpiling Act.
- 21.2.10 In the event of the mobilisation of the compulsory stocks of gaseous fuel, the energy company engaged in business activity in respect of the importation of

gaseous fuel for its subsequent resale to customers shall be required to replenish such stocks up to the level established pursuant to Article 25 item 2 or item 5 of the Stockpiling Act within four (4) months, counting from the end of the month in which the additional supplies were mobilised. The Shipper shall inform the TSO about the replenishment of the compulsory stocks immediately after such replenishment.

21.2.11 In the event that the Shipper obtains an approval from the competent minister for economy for an extension of the period of compulsory stock replenishment in accordance with Article 26 item 4 of the Stockpiling Act, the Shipper shall immediately notify the TSO of such extension.

21.3 An emergency situation in an installation of the Shipper's Customer or supplier or in an interoperating system

21.3.1 In the event of an emergency situation that has occurred at a facility of the Shipper's Customer or supplier or in an interoperating system, which could lead to restrictions in the delivery of gaseous fuel for transmission, or its off-take, the party to the transmission contract that is the first to become aware of such fact, shall immediately inform the other party thereof. The Shipper shall immediately advise the TSO of the expected duration and scope of restrictions.

21.3.2 The respective services of the parties authorised to act as contacts in case of an emergency situation shall be indicated in the transmission contract.

21.4 Cooperation between the Shipper and the TSO in the event of a threat to energy security

21.4.1 The Shipper shall prepare operating procedures in the event of the occurrence of disruptions in the supply of gaseous fuel and, in particular, in the event of the unexpected increase in consumption of gaseous fuel by Customers, the occurrence of disruptions in the deliveries of gaseous fuel and the occurrence of an emergency situation in an installation belonging to the Shipper's Customer or supplier. The procedures and their updates shall be immediately agreed and presented to the TSO, and in any case not later than within fourteen (14) days of the day of concluding the transmission contract or fourteen (14) days of the day of updating the procedure.

21.4.2 In case of any disruption in the supply of gaseous fuel to the transmission system or in the event of the unexpected increase in the consumption of gaseous fuel by the Shipper's Customers, the Shippers take measures to counteract such threat, including specifically the measures described in the operating procedures referred to in point 21.4.1. Furthermore, the Shippers engaged in the trading of gaseous fuels shall immediately inform the TSO of the potential occurrence of a threat to energy security in a specific area of the country, or a threat to the safety of people or a risk of significant material losses.

21.4.3 Once all the measures have been taken with a view to satisfying the demand of their Customers for gaseous fuel, the Shipper shall inform the TSO of the circumstances referred to in point 21.4.2 and the measures taken in order to ensure the security of gas supply to its Customers, or the inability to ensure such security, sufficiently early for any measures aimed at ensuring the security of supply of gaseous fuel to the Customers and proper operation of the transmission system to be taken.

- 21.4.4 After receiving the notification referred to in point 21.4.3 or in the event of a sudden, unexpected damage or destruction of equipment, facilities or networks resulting in an interruption in their use or the loss of their characteristics, which presents a threat to the security of the transmission system operation, the TSO shall undertake the necessary measures in order to ensure or restore proper functioning of such system, including in particular the measures described in point 21.2.
- 21.4.5 If, in the judgement of the TSO, the measures referred to above would not restore national fuel security in respect of gaseous fuel, the TSO, of its own initiative or on the grounds of information obtained from the Shipper, shall report to the competent minister for the economy on the necessity of introducing restrictions in gas off-take in accordance with the relevant curtailment plans.
- 21.4.6 During the period of restrictions in gas off-take, which may introduced by the Council of Ministers in accordance with the provisions of the Stockpiling Act, the TSO shall:
- 21.4.6.1 perform the duties connected with the introduction of restrictions by defining and announcing the degrees of supply rationing, according to the curtailment plan,
 - 21.4.6.2 coordinate the actions of energy companies engaged in business activity in respect of trade and supply of gaseous fuel, DSOs, SSOs, LNG system operators in order to ensure the security of the transmission system and the implementation of the restrictions in gas off-take,
 - 21.4.6.3 have at its disposal the entire capacity and volume of storage facilities and natural gas liquefaction facilities connected to the transmission system and mobilise the compulsory stocks of gaseous fuel,
- 21.5 Preparation and implementation of the curtailment plan.
- 21.5.1 Curtailment plans shall specify the maximum hourly and daily quantities of gaseous fuel off-take by particular Customers connected to the transmission system, for each level of supply rationing.
- 21.5.2 The Customers and Shippers being Customers taking gaseous fuel from the transmission system that are subject to restrictions in gas off-take, according to the §4 of the Regulation of the Council of Ministers of 19 September 2007 on the method and procedure of introducing restrictions in the uptake of natural gas (Journal of Laws No. 178, item 1252), shall inform the TSO by 31 July each year, of the minimum quantity of gaseous fuel the off-take of which does not constitute a threat to the safety of people and does not result in damage or destruction of any process facilities and corresponds to the maximum allowable off-take of gaseous fuel under the 10th degree of supply rationing.
- 21.5.3 The TSO may verify the information provided by the Customers concerning the minimum quantity of gaseous fuel the off-take of which does not constitute a threat to the safety of people and the damage or destruction of process facilities.
- 21.5.4 The verification shall be performed, at the request of the TSO, by certified auditors in the field of the energy industry, upon providing their certification and after supplying the company or person authorised thereby, with the

- authorisation to conduct the audit on the operations of the company issued by the operator.
- 21.5.5 The minimum hourly quantities of gaseous fuel the off-take of which does not result in a threat to the safety of people and which does not result in damage or destruction to the process facilities, as specified during the verification, shall be introduced to the curtailment plan as corresponding to the 10th degree of supply rationing.
- 21.5.6 After the curtailment plan has been approved by the President of ERO, the TSO shall inform the Customers referred to in point 21.5.2 of the respective maximum quantities of gaseous fuel off-take under each degree of supply rationing that was established for them in the approved curtailment plan.
- 21.5.7 The maximum quantities of gaseous fuel off-take under the specific degrees of supply rationing, as established in the approved curtailment plans shall become an integral part of the transmission contract.
- 21.5.8 The Customers referred to in point 21.5.2 shall observe the restrictions of the gaseous fuel off-take putting a limitation on the maximum hourly and daily quantity of gaseous fuel to be off-taken pursuant to the announcements of the TSO published in the manner and under the principles specified in the Stockpiling Act.
- 21.5.9 DSOs or the companies fulfilling the function of operators, at the request of the TSO, shall provide the TSO with data for the daily quantity of gaseous fuel off-take by Customers covered by the curtailment plans by the tenth (10th) day of every month for the previous month.
- 21.5.10 DSOs and the companies fulfilling the function of operators shall submit curtailment plans to the TSO within fifteen (15) days of their approval by the President of ERO.
- 21.6 Verification of the capability of delivering the compulsory stocks of gaseous fuel to the transmission system
- 21.6.1 The Shipper and other entities responsible for the determination of the level of compulsory stocks of gaseous fuel under the procedure of Article 25 item 1 and 2 of the Stockpiling Act, shall inform the TSO of:
- 21.6.1.1 volumes of compulsory stocks verified by the President of ERO, and
- 21.6.1.2 details of the storage facility where the compulsory stocks of gaseous fuel are to be held, specifying:
- 21.6.1.2.1 name and identification number of the exit point from the storage facility,
- 21.6.1.2.2 quantities of gaseous fuel constituting compulsory stocks held in each storage facility,
- 21.6.1.2.3 available withdrawal capacity the Shipper is eligible to on a firm basis at a given storage facility in case of the mobilisation of the compulsory stock.
- 21.6.2 Together with the information referred to in point 21.6.1 , the Shipper shall present a declaration of its capability to deliver gaseous fuel on a firm basis

from the storage facility located outside the territory of the Republic of Poland to the entry point to the transmission system.

21.6.3 Entities that begin imports of gaseous fuel, and for whom the level of the compulsory stocks is determined under the procedure of Article 25 item 5 of the Stockpiling Act, shall inform the TSO of:

21.6.3.1 volume of compulsory stocks established by the President of ERO, and

21.6.3.2 details of the storage facility where the compulsory stocks of gaseous fuel are to be held, specifying:

21.6.3.2.1 name and identification number of the exit point from the storage facility,

21.6.3.2.2 quantities of gaseous fuel constituting compulsory stocks held in each storage facility,

21.6.3.2.3 available withdrawal capacity the Shipper is eligible to on a firm basis at a given storage facility in case of the mobilisation of the compulsory stock.

21.6.4 The TSO shall advise the entity that provides the information referred to in point 21.6.1 or point 21.6.3 whether the technical parameters of a storage facility ensure the capabilities for delivering the compulsory stocks of gaseous fuel to the transmission system within a period that does not exceed forty (40) days, and such response shall be given within fourteen (14) days of the date of receiving the relevant information.

21.6.5 In the event when it is determined that the technical parameters of storage facilities do not ensure the capabilities for delivering the compulsory stocks of gaseous fuel to the transmission system within a period that does not exceed forty (40) days, the TSO shall also notify this fact to the President of ERO, such notification to be made within seven (7) days of discovering the above situation.

21.7 In the event of an emergency situation or maintenance work within the network of an ISO, the transmission service for the benefit of the ISO is settled according to the rules set out in Tariff.

21.8 In case of the occurrence of an emergency situation in the IES, the TSO may adjust accordingly the deadlines resulting from the TNC and the method of information exchange with System Users. The TSO shall advise the System Users of the occurrence of an emergency situation in the IES and the undertaken remedies.

22 TRANSITORY, ADAPTING AND FINAL PROVISIONS

- 22.1 If the System User having capacity (contracted capacity) for the yearly period ending on 31 December, buys more capacity at the same point within the next consecutive three quarters (until the end of the gas year), the capacity (contracted capacity) of quarterly products, acquired this way, will be treated as a long-term product.
- 22.2 The allocation of capacity for regasification contracts concluded by the OIR under the open season procedure takes place on the basis of a regasification contract under the terms specified in 7.1.12 for the period of the regasification services, within fourteen (14) days of the TNC's entry into force.
- 22.3 The provisions of the TNC concerning the daily imbalance limit (DLN), the balancing services market (RUB) and the principles for settling the imbalance for the low-methane gas balancing area shall apply as long as the decision of the President of ERO approving the "Report on the Interim Measures Planned for the Implementation by GAZ-SYSTEM S.A. in connection with the entry into force of Commission Regulation (EU) No 312/2014 of 26 March 2014 establishing a Network Code on Gas Balancing of Transmission Networks" remains in force.
- 22.4 The provisions of point 13.3 shall apply for the period and to the extent indicated by the decision of President of ERO issued pursuant to and in accordance with the procedure laid down in the provisions of Chapter VI ("Within day obligations") of Commission Regulation (EU) No 312/2014 of 26 March 2014 establishing the Network Code on Gas Balancing of Transmission Networks.
- 22.5 Until 1 April 2018, 06:00 a.m. point 18.1.7 shall have the following wording:
 "18.1.7 „The daily imbalance limit (DLN) for the high-methane gas balancing area for a given Shipper shall be established according to the following formula:

$$DLN = 0,05 * MAX \left[\frac{(R_{PWE} + R_{PWY})}{2}; R_{PWY} \right]$$

Where:

DLN	Daily imbalance limit
R_{PWE}	the aggregated quantity of gaseous fuel delivered by the Shipper for transmission at the entry points to the transmission system during a given gas day (excluding the quantities of gaseous fuel delivered by the Shipper for transmission at entry point $WPWE_{EGG}$, $WPWE_{PPG}$, $WPWE_{OSP}$ and $WPWE_{OTC}$);
R_{PWY}	the aggregated quantity of gaseous fuel off-taken by the Shipper at the exit points from the transmission system during a gas day (excluding the quantities of gaseous fuel offtaken by the Shipper at exit point $WPWE_{EGG}$, $WPWE_{PPG}$, $WPWE_{OSP}$ and $WPWE_{OTC}$)."

- 22.6 From 1 April 2018, 06:00 a.m. to 1 April 2019, 06:00 a.m. point 18.1.7 shall have the following wording:

“18.1.7 „The daily imbalance limit (DLN) for the high-methane gas balancing area for a given Shipper shall be established according to the following formula:

$$DLN = 0,025 * MAX \left[\frac{(R_{PWE} + R_{PWY})}{2}; R_{PWY} \right]$$

Where:

DLN	Daily imbalance limit
R_{PWE}	the aggregated quantity of gaseous fuel delivered by the Shipper for transmission at the entry points to the transmission system during a given gas day (excluding the quantities of gaseous fuel delivered by the Shipper for transmission at entry point $WPWE_{GG}$, $WPWE_{PPG}$, $WPWE_{OSP}$ and $WPWE_{OTC}$);
R_{PWY}	the aggregated quantity of gaseous fuel off-taken by the Shipper at the exit points from the transmission system during a gas day (excluding the quantities of gaseous fuel offtaken by the Shipper at exit point $WPWE_{GG}$, $WPWE_{PPG}$, $WPWE_{OSP}$ and $WPWE_{OTC}$)."