

## **USER MANUAL “OPERATIONAL DATA”**

This manual is a support to information of data indicated in “PUBBLICATION OF INFORMATIONS AS IN ARTICLES 6.4 AND 6.5 OF THE RESOLUTION NO. 137/02 AND IN ARTICLE 11.2 OF TIB” as per Network Code, Chapter 9, paragraph 1.

### **Technical specifications Area “Estimated expected value at the end of Gas-day (D)”**

The format of data is:

- rounded off to 7 decimals (only 1 visible)
- comma (',') is the decimal separator
- “n.a.” = not applicable
- “n.d.” = not available
- “” blank = Null

# Detail area of Gas-day (D)

PUBBLICAZIONE DELLE INFORMAZIONI INDIVIDUATE AGLI ARTICOLI 6.4 E 6.5 DELLA DELIBERAZIONE N. 137/02, ALL'ARTICOLO 7<sup>quiquies</sup>.2 DELLA DELIBERAZIONE ARG/gas 45/11, E ALL'ARTICOLO 11.2 DEL TIB  
 AGGIORNAMENTO ore: 04:14

	GIORNO GAS IGE: 24/12/2019							
	Previsione fine giorno		Rinomina		Scostamento			MVA
	MVA A	MVA A	MVA B	MVA B	MVA A-B	MVA A-B		
<b>IMMESSO</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Tarvisia	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Pavia Grise	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Messora del Valle	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Gale	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Garzate	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- GNL Piacenza	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- GNL Cavernaro	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- GNL Livorno	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Produzioni Nazionali	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>RICONSEGNA TO</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Clienti Finali direttamente allacciati alla Rete di Trasporto	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Interconnessioni Altre Reti di Trasporto e Distribuzione	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Autocentri, Fardito e GNG <sup>14</sup>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>A Line Pack<sup>14</sup> III</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>Disequilibrio da nomina utenti<sup>14</sup></b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>ESPORTAZIONI</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Garzate	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Pavia Grise	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Tarvisia	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Bizzarone	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- San Marino	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>STOCCAGGIO (-Iniezione, +Erogazione)</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Stagh	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Altri Stoccaggi (Edison Stoccaggio e IGS)	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X

  

	GIORNO GAS IGE-1E: 23/12/2019		GIORNO GAS IGE-2E: 24/12/2019		GIORNO GAS IGE-1E: 25/12/2019		GIORNO GAS (G-2): 26/12/2019	
	Consuntivo giorno		Previsione fine giorno		Previsione		Previsione	
	MVA	MVA	MVA	MVA	MVA	MVA	MVA	MVA
<b>IMMESSO</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>Altri Stoccaggi (Edison Stoccaggio e IGS)<sup>14</sup></b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>RICONSEGNA TO<sup>14</sup></b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Clienti Finali direttamente allacciati alla Rete di Trasporto	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Terminali Trivice	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Interconnessioni Altre Reti di Trasporto e Distribuzione	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Autocentri, Fardito e GNG	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>ESPORTAZIONI</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>Consuntivo/Programmato movimentato dalle</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
Usi del bilanciamento (A)	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
Iniezioni di trasporto (B2)	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>Capacità di stoccaggio disponibile<sup>14</sup></b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
Usi del bilanciamento (B)	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
Iniezioni di trasporto (B2)	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>SBILANCIAMENTO ATTESO DEL SISTEMA (S)</b>			XXX,X	XXX,X	XXX,X	XXX,X		
<b>RECUPERO LP G-1</b>			XXX,X	XXX,X	XXX,X	XXX,X		
<b>BILANCIAMENTO RESIDUALE</b>			XXX,X	XXX,X	XXX,X	XXX,X		
<b>Line Pack di rete effettivo/dichiarato (LP<sup>14</sup>/LP)</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X		
<b>Line Pack di rete ex Art.5.2 Del 31/2/2016</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X		
<b>Sop</b>	XXX,X	XXX,X						
<b>Gradi Giorno Medi Ponderali Italia 18°C</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>consuntivo provvisorio/da approvvigionare<sup>14</sup></b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X

Pursuant to Article 6, comma 6.4 and 6.5, of the Resolution no. 137/02, forecasts, bookings and the difference between the quantities in delivery or redelivery at

- a) Entry Points and Exit Points interconnected with foreign import pipelines;
- b) Entry Points interconnected with regasification terminals;
- c) Entry Points and Exit Points interconnected with storage hubs;
- d) the sum of Entry Points interconnected with national productions;
- e) the interconnection complex with other transmission networks and Redelivery Points interconnected with distribution networks,
- f) the Redelivery complex which supplies the Final Customer directly connected to the transmission network of Snam Rete Gas;

The information referred to subparagraphs a), b), d), e) and f) do not consider the amounts paid to cover Fuel consumption, Losses and unaccounted-for gas: such information are combined in the item "Losses, Fuel consumption and unaccounted for gas".

The item "Losses, Fuel consumption and unaccounted for gas" is determined considering:

- the expected System status: determined on the basis of the quantities expected in the intake, in pipe and demand; updated every hour;
- bookings made by all subjects which contribute to the system balancing according to the last available transportation program formulated

The item "Δ Line Pack" is determined considering bookings made by all subjects which contribute to the system balancing according to the last available transportation program formulated.

Moreover, "Shippers imbalance from nominations" is provided; it is calculated as total deviation between bookings at delivery points and the bookings at redelivery points made by all subjects which contribute to the system balancing. The Shippers imbalance from nominations is no calculated in section "End of day forecast D" because it contributes to the determination of forecast of the Storage Stogit.

*Shippers imbalance from nominations*

$$= \text{Intake} - \text{Demand} - \text{Losses, Fuel consumption and unaccounted for gas} - \text{Export} + \text{Storage Systems}$$

**Information area**

PUBBLICAZIONE DELLE INFORMAZIONI INDIVIDUATE AGLI ARTICOLI 6.4 E 6.5 DELLA DELIBERAZIONE N. 137/02, ALL'ARTICOLO 7quinquies.2 DELLA DELIBERAZIONE ARG/gas 45/11, E ALL'ARTICOLO 11.2 DEL TIB  
 AGGIORNAMENTO ore: 04:14

	GIORNO GAS (G): 24/12/2019							
	Previsione fine giorno		Finomina		Scostamento			
	M5+1 (L4185223) M5(U/S+1)	M5x	M5+3 (L4185223) M5(U/S+3)	M5x	M5+1 (L4185223) M5(U/S+1)	M5x	A:B	
	A	A	B	B	A:B	A:B		
<b>IMMESSO</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Tarvisia	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Pavia Griv	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Mestre del Valle	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Gals	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Garzola	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- GNL Panigaglia	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- GNL Casavatore	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- GNL Lissone	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Produzione Nazionale	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
<b>RICONSEGNATO</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Clienti finali (direttamente alleciati alla Rete di Trasporto)	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Interconnessioni Altre Reti di Trasporto e Distribuzione	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Autocorrezioni, Perdite e GNC <sup>1M</sup>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
<b>Δ Line Pack<sup>1M 1M</sup></b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
<b>Disequilibrio da nomina utenti<sup>1M</sup></b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
<b>ESPORTAZIONI</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Barioli	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Pavia Griv	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Tarvisia	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Biadronno	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- San Marina	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
<b>STOCCAGGIO (-Iniezione, +Erogazione)</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Stegh	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	
- Altri Stocaggi (Edison Stoccaggio e IGS)	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	

  

	GIORNO GAS (G-1): 23/12/2019		GIORNO GAS (G): 24/12/2019		GIORNO GAS (G-1): 25/12/2019		GIORNO GAS (G-2): 26/12/2019	
	Consuntivo giorno		Previsione fine giorno		Previsione		Previsione	
	M5+1 (L4185223) M5(U/S+1)	M5x	M5+3 (L4185223) M5(U/S+3)	M5x	M5+1 (L4185223) M5(U/S+1)	M5x	M5+3 (L4185223) M5(U/S+3)	M5x
<b>IMMESSO</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>Altri Stocaggi (Edison Stoccaggio e IGS)<sup>1M</sup></b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>RICONSEGNATO<sup>1M</sup></b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Clienti finali (direttamente alleciati alla Rete di Trasporto)	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Termoelettrica	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Interconnessioni Altre Reti di Trasporto e Distribuzione	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Autocorrezioni, Perdite e GNC	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>ESPORTAZIONI</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>Consuntivo/Programmato movimentato da ppe</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Usati del bilanciamento (A1)	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Imprese di trasporto (B2)	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>Capacità di stoccaggio disponibile<sup>1M</sup></b>								
- Usati del bilanciamento (B1)	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
- Imprese di trasporto (B2)	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>SBILANCIAMENTO ATTESO DEL SISTEMA (S)</b>			XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>RECUPERO LP G-1</b>			XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>BILANCIAMENTO RESIDUALE</b>			XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>Line Pack di rete effettivo/dichiarato (LP-1/LP)</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>Line Pack di rete ex Art.5.2 Del 31/2/2016</b>			XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>Sop</b>	XXX,X	XXX,X						
<b>Gradi Giorno Medi Ponderali Italia 18°C</b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X
<b>☞ consuntivo provvisorio/da approvvigionare<sup>1M</sup></b>	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X	XXX,X

The items below are indicated in million Sm3 and in MWh.

## Intake

- Area Day D-1

Until the time of publication of the Provisional Balance, the data shown is as resulting from the latest nomination/renomination cycle as per Chapter 8, par. 6, of the Network Code

$$INTAKE = \sum_{NE} Ia_{EG}$$

After the publication of the Provisional Balance, the data shown is as resulting from the provisional balance allocation of entry points,

$$INTAKE = \sum_{NE} Ia_{EG}$$

- Area Day D

The data shown is as resulting from the latest nomination/renomination cycle as per Chapter 8, par. 6, of the Network Code,

$$INTAKE = \sum_{NE} Ia_{EG}$$

- Area Day D+1

Is the forecast of the intake based on the programmed amounts pursuant to Chapter 8 of Network Code of the complex of the Users.

Until the closing of the nomination cycle, the data shown is as resulting from Weekly Transportation Gas Program of delivery points,

$$INTAKE = \sum_{NE} Ia_{EG}$$

Starting from the end of the first nomination cycle, the data shown is as resulting from the last nomination/renomination cycle for delivery points,

$$INTAKE = \sum_{NE} Ia_{EG}$$

- Area Day D+2

Is the forecast of the intake based on the programmed amounts pursuant to Chapter 8, par 5, of Network Code of delivery points,

$$INTAKE = \sum_{NE} Ia_{EG}$$

## Edison Stoccaggio

In the publication, the negative sign indicates the withdrawal.

- Area Day D-1

Until the time of publication of the Provisional Balance, the data shown is as resulting from the latest nomination/renomination communicated by the storage company (Chapter 8, par 6 of Network Code).

After the publication of the Provisional Balance, the data shown is as resulting from the provisional balance allocations.

- Area Day D  
Data shown is as resulting from the latest nomination/renomination communicated by the storage company (Chapter 8, par 6 of Network Code).
- Area Day D+1  
Data shown is as resulting from the latest nomination/renomination communicated by the storage company (Chapter 8, par 6 of Network Code).  
Until the closing of the nomination cycle, the data shown is as resulting from Weekly Transportation Gas Program.

Starting from the end of the first nomination cycle, the data shown is as resulting from the last nomination/renomination cycle

- Area Day D+2  
The data shown is as resulting from Weekly Transportation Gas Program as per Chapter 8, par 5 of Network Code.

## Demand

This data does not include Losses, Fuel consumption and unaccounted for gas.

- Area Day D-1  
Until the time of publication of the Provisional Balance, the data shown is as resulting from the latest End of day forecast provided in “Detail area of Gas-day (D)” of the last publication made the previous day, excluding Exports,

$$DEMAND = Pa_G$$

This item is updated after the publication of the Provisional Balance.

This item is the total amount withdrawn, including TSO quantities (Losses, Fuel consumption and unaccounted for gas).

$$DEMAND = Pa_G$$

- Area Day D  
The data shown is as resulting from the End of day forecast, excluding Exports.  
This item is the total amount withdrawn, including TSO quantities (Losses, Fuel consumption and unaccounted for gas).

$$DEMAND = Pa_G$$

As per Resolution 554/2016/R/gas, comma 3, thermoelectric is shown as part of “Final customers directly interconnected with the Transmission System”. This data is shown, if available, as information received by TERNA.

- Area Day D+1  
Data shown is the quantity of gas expected to be withdrawn from all the Users.  
This item is the total amount withdrawn, including TSO quantities (Losses, Fuel consumption and unaccounted for gas).

$$DEMAND = Pa_G$$

As per Resolution 554/2016/R/gas, comma 3, thermoelectric is shown, if available, as information received by TERNA.

- Area Day D+2  
Data shown is the quantity of gas expected to be withdrawn from all the Users.

$$DEMAND = Pa_G$$

## Export

- Area Day D-1  
Until the time of publication of the Provisional Balance, the data shown is as resulting from the latest nomination/renomination cycle as per Chapter 8, par 6 of Network Code.

After the publication of the Provisional Balance, the data shown is as resulting from the provisional balance allocations.

- Area Day D  
The data shown is as resulting from the latest nomination/renomination cycle as per Chapter 8, par 6 of Network Code.

- Area Day D+1  
Until the closing of the nomination cycle, the data shown is as resulting from Weekly Transportation Gas Program.

Starting from the end of the first nomination cycle, the data shown is as resulting from the last nomination/renomination cycle.

- Area Day D+2  
The data shown is as resulting from Weekly Transportation Gas Program.

### Provisional/Forecast storage flow from/to

It is the energy of storage STOGIT; It is obtained by the algebraic sum of the amount of energy physically withdrawal/ or expected from the storage hub. In the publication, the negative sign indicates the withdrawal.

- Area Day D-1

Until the time of publication of the Provisional Balance, the data shown is as resulting from the latest End of day forecast provided by the storage company as per Chapter 8, par 6 of Network Code.

After the publication of the Provisional Balance, the data shown is as resulting from the provisional balance allocation.

- Area Day D

The data shown is as resulting from the latest nomination/renomination cycle as per Chapter 8, par 6 of the Network Code

- Area Day D+1

The data shown is as resulting from the latest nomination/renomination cycle as per Chapter 8, par 6 of the Network Code

- Area Day D+2

The data shown is as resulting from the latest weekly forecast made by the storage company as per Chapter 8, par 5 of the Network Code

### Available storage capacity

Is the overall withdrawal/injection service assigned to storage Users for Gas-day (adjusted on the basis of the adjustment factors referred to in the Storage Code), in the Withdrawal Phase ( $SE_{MG}$ ), and Injection Phase ( $SI_{MG}$ ), (negative sign = withdrawal). This capacity is updated as per Resolution 193/2016/R/gas.

### EXPECTED SYSTEM IMBALANCE (SAS)

As provided by par. 1.1 of Chapter 9 of Network Code approved by Resolution 312/2016/R/gas, the estimation of the Expected System Imbalance at the end of the gas day G and G + 1, is determined as the difference between the quantity of gas, in energy, overall programmed in accordance with Chapter 8 of Network Code in Intake into the transport system for the gas day G and output at Points interconnected with the storages and interconnected with foreign countries, based on the latest information (programs) notified in accordance with Chapter 8 of Network Code, from all the Users and the quantity of gas, in energy, expected to be withdrawn from the overall of Users in Gas Day calculated with demand at the redelivery points forecasting systems in use at the Dispatching.

$$SAS = INTAKE_{Programmed} - DEMAND_{Expected\ SRG} - EXPORT_{Programmed} - \Delta LinePack_{Programmed} + STORAGE_{Programmed} + \Psi_{to\ be\ supplied}$$

### LP RECOVERY (D-1)

LP Recovery (D-1) is the difference between the level of linepack ( $LP^d$ ) at the end of the Gas-Day D, stated by the Balancing Operator within 9 AM of gas-day D for gas-day D, the level of linepack ( $LP^e$ ) reached at the end of the Gas-Day D-1 and  $\Delta$  Line Pack nominated for gas-day D

$$LP\ Recovery(D - 1) = LP_D^d - LP_{D-1}^e - \Delta LP_D\ nominated$$

## RESIDUAL BALANCE

Is the difference between the estimation of the Expected System Imbalance and LP Recovery (D-1)

$$Res\ Bal_{target} = SAS - LP\ Recovery(D - 1)$$

### Network Line Pack actual/declared (LP<sup>e</sup>/LP<sup>d</sup>)

- Area Day D-1

Is the level of linepack (LP<sup>e</sup>), in energy, reached at the end of the Gas-Day D-1 as per article 9.2 of TIB.

- Area Day D

Is the level of linepack (LP<sup>d</sup>), in energy, at the end of the Gas-Day D, stated by the Balancing Operator within 9 AM of gas-day D for the same gas-day D as per article 9.2 and 11.2 of TIB.

### Network Line Pack ex Art.5.2 Res 312/2016

Is the expected level of linepack, in energy, at the end of the Gas-Day D without considering any quantities requested at the storage companies, pursuant to paragraph 2.4 of the TIB.

## Sop

This data is the difference between the energy related to the storage component is obtained from the sum of quantities physically delivered (positive) or injected (negative) from each storage field, resources available as per article 7 of TIB, and the total quantity of scheduled gas in injection or withdrawal from the Storage hub as per Chapter 8 of Network Code.

## Ψ provisional/to be supplied

Term Ψ is composed of the terms C, PE, GNC, ΔLP<sub>c</sub>, of nominated quantities in Storage (SN<sub>T</sub>) and the quantities subject to interconnection agreements with regional transport companies, regasification terminals and storage companies (I<sub>TOBA</sub>), and finally by the term Δ<sub>sett</sub>

$$\Psi = C + PE + GNC + \Delta LP_c + \Delta_{sett} - I_{TOBA} - SN_T$$

- Area Day D-1

After the publication of the Provisional Balance, the data shown is the quantity of gas required to operate the system pursuant to resolution 208/2019/R/gas, point 1.6 as resulting from the provisional balance allocation.

- Area Day D and D+1

the data shown is the quantity of gas required to operate the system pursuant to resolution 208/2019/R/gas, point 1.6 not yet acquired/sold, calculated as follows:

$$\Psi = C + PE + GNC + \Delta LP_N + \Delta_{sett} - I_{TOBA} - SN_T - T_T^M$$