**Technical Guide**

**Balancing Notice**

October 10th 2023



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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Référence** | | GuideTechnique-AVE-EN | | | | **Classement** | | |  | | | |
|  |  | | | | | | | | | | | |
| **Accessibilité** | | | *Accès réservé* |  | *Restreint* | |  | *Interne* | |  | *Libre (à préciser)* | **X** |
|  |  | | | | | | | | | | | |
| **Résumé** | | | | | | | | | | | | |
| This document describes the exchange format for the Balancing Notice. | | | | | | | | | | | | |

# Versions list

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Auteur(s)** | **Description** |
| V0.1 | 01/08/2023 | M.ALLIEL | First Version |
| V0.2 | 10/10/2023 | C. FLORESTANO | API URL Information §6 |
|  |  |  |  |

# File definition

The balancing notice contains information relating to:

* Public data (k0 coefficients, imbalance indicators at the end of the day, prices, etc.)
* specific daily data to transmission contract (e.g. profiled consumption forecast)
* specific intraday data to transmission contract (e.g. intra-day non-profiled allocations at PITDs)

This notice is contractually published in csv and xml every hour from 13h in day ahead to 03h in intraday for all "Transmission " contracts type valid at date.

# Where to find the files

The files are provided by GRTgaz for the shippers (for each transmission contract). They are made available the following ways :

* **Proactively :** 
  + A CSV file is available and can be downloaded on ours ingrid website
  + The same CSV file is also available on our sFTP server (the Technical Guide for the sFTP connection is available at grtgaz.com)
  + An EDIG@S MARSIT v5.1 file is also available
* **Via API :** Dedicated APIs will be available to request the balacing data. Public data and data relating to a specific transmission contract are shown in separate API. The interface contract for the API is described in §6. You can contact your usual operational contact to gain access to our API.

# File name and format

The files are published in the CSV format, with :

* A semicolon as a list separator
* A comma as a decimal mark

The files will be named according to the following rule :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **N°** | **Designation** | **Type** | **Length** | **Format** |
| **1** | Document type | Alphanumeric | 3 | AVE |
| **2** | Contrat code | Alphanumeric | 30 |  |
| **3** | Gasday (AM / AMJ) | Date | 8 | YYYYMMDD |
| **4** | Date | Date | 17 | DDMMYYYYhhmmssSSS |
| **5** | Extension | Alphanumérique | 4 | .csv |
| **6** | Separators |  | 3 | « \_ » |

Therefore, the file names are:

AVE\_CONTRACTCODE\_YYYYMMDD\_DDMMYYYYhhmmssSSS.csv

# File description

The files contain 4 sections, each section separated by a line break :

* Header
* Public data
* Consumption forecasts for the contract
* Within-Day Allocations

**Section 1 - Header:**

The header lists information about the publication time and the gasdays included in the file.

This section contains the following data :

* An ID :
  + Avis d'Equilibrage / Balancing Notice Example : AMJ-XXXXX
    - Example : AVE-XXXXX
* Réseau / Network :
  + Example = GRTgaz
* Période / Period :
  + Example : 01/12/2022 06:00 – 02/12/2022 06 :00
  + The period represents the first and last gasdays included in the file
* ID contrat/ ID contract:
  + Example : GFXXXX01
* ID expéditeur/ ID shipper :
  + - The shipper ID is made with the contract ID without the last 2 digits
    - Example : GFXXXX
* Nom de l’expéditeur / Name of the shipper :
  + Example : XXXX
  + Company name
* Date de mise à jour / Last update
  + Example : 02/12/2021 01:16:25
  + Publication time

**Section 2 - Public data:**

**Public data table table:**

The table (with semicolon list separators) includes :

- A header line with the name of each columns

- The data with a different line per (Network / Gasday)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **N° Column** | **Column label** | **Type** | **Format** | **Mandatory** | **Description** | **Example of possibles values** |
| **1** | Journée gazière / Gasday | Date | DD/MM/YYYY | Y | Gasday | 25/01/2023 |
| **2** | Périmètre d'Equilibrage / Balancing Zone | Text |  | Y | Balancing zone where the imbalance has occured | GRTgaz |
| **3** | Coefficient k0 /  k0 factor | Numeric |  | N | K0 value | 0,736892 |
| **4** | Déséquilibre fin de journée /  End-of-day imbalance | Numeric |  | N | -2 = Very short -1 = Short 0 = Balanced 1 = Long 2 = Very long | 0 |
| **5** | Déséquilibre fin de journée /  End-of-day imbalance | Numeric |  | N |  | -10217345 |
| 6 | Stock en conduite projeté /  Projected closing linepack | Numeric |  | N | -3 = Very short  -2 = Short network -1 = Balanced Short 0 = Balanced 1 = Balanced long 2 = Long 3 = Very long | 0 |
| **7** | Stock en conduite projeté (kWh 25°C) /  Projected closing linepack (kWh at 25°C) | Numeric |  | N | Projected closing linepack value (kWh 25°C) | 2843,973 |
| **8** | Prévisions de consommations tous clients (kWh à 25°C) / All customers consumption forecasts (kWh at 25°C) | Numeric |  | N | All customers consumption forecast (kWh à 25°C) | 1439700967 |
| **9** | Prix Moyen (€/MWh) /  Weighted Average Price (€/MWh) | Numeric |  | N | Weighted average Price (€/MWh) | 52,451 |
| **10** | Prix Marginal Achat (€/MWh) /  Marginal Buy Price (€/MWh) | Numeric |  | N | Marginal Buying Price | 53,762 |
| **11** | Prix Marginal Vente (€/MWh) /  Marginal Sell Price (€/MWh) | Numeric |  | N | Marginal Selling Price | 51,14 |

**Section 3 – Consumption forecasts:**

**Forecasts table :**

The table (with semicolon list separators) includes :

- A header line with the name of each columns

- The forecasts data with a different line per (Balancing Zone / Gasday/ Point/Direction)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **N° Column** | **Column label** | **Type** | **Format** | **Mandatory** | **Description** | **Example of possible values** |
| **1** | Journée gazière / Gasday | Date | DD/MM/YYYY | Y | Gasday | 25/01/2023 |
| **2** | Périmètre d'Equilibrage / Balancing Zone | Text |  | Y | Balancing zone where the imbalance has occured | GRTgaz |
| **3** | ID point contrat / ID service point | Text |  | Y | The consumptions forecasts are associated with specific points :  •‘DP001H’ for the forecast on profiled clients | DP001H |
| **4** | Type de PCR / PCR type | Text |  | N | PCR type | DP |
| **5** | Libellé / Label | Text |  | N | PCR label | POOL DE LIVRAISON PROFILE GRTGAZ H |
| **6** | Sens / Direction | Text |  | Y | Direction | DEL |
| **7** | Qté prévue (kWh à 25°C) / Forecasted qty (kWh at 25°C) | Numeric |  | Y | Forecast | 55190200 |
| **8** | Date et Heure de Mise à jour / Update date and time | Horodate |  | Y | Update time | 2023-02-09T22:30:18Z |

**Section 4 – Within-day allocations:**

**Within-day allocations table :**

The table (with semicolon list separators) includes :

- A header line with the name of each columns

- The allocation data with a different line per (Balancing Zone / Gasday/ Point/Direction/Counterparty/Hour)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **N° Column** | **Column label** | **Type** | **Format** | **Mandatory** | **Description** | **Example of possible values** |
| **1** | Journée gazière / Gasday | Date | DD/MM/YYYY | Y | Gasday | 25/01/2023 |
| **2** | Périmètre d'Equilibrage / Balancing Zone | Text |  | Y | Balancing zone where the imbalance has occured | GRTgaz |
| **3** | ID point contrat / ID service point | Text |  | Y | Within day allocations are available for PLC, PLCd and PITD.  They are also aggregated for PCR types like   * TC001H * TT001H | GD0002 / SB0001/ TC001H |
| **4** | Type de PCR / PCR type | Text |  | N | PCR type | TT/TC/PITD/PLC/  PLCd |
| **5** | Libellé / Label | Text |  | N | PCR label | TOTAL TELERELEVES PITD GRTGAZ |
| **6** | Sens / Direction | Text |  | Y | Direction | DEL |
| **7** | Contrepartie / Counterpart | Text |  | Y | Counterparty | NONE / A04XXXXXXX / STBGXXXXXX |
| **8** | Heure de fin de mesure / Metering end time | Text | HH :MM | Y | The data published in this section are not hourly data, they are aggregated by gasday.  Thus, this is partial data : the column indicate the last hour taken into account | 14:00 |
| **9** | Qté mesurée intra-journalière (kWh à 25°C) / Intraday metered qty (kWh at 25°C) | Numeric |  | Y | Withinday allocation (KWh 25°C) | -190000 |
| **10** | Qté de remplacement / Backup value | Text | Y,N | Y | Use of a back up value | N |
| **11** | Date et Heure de Mise à jour / Update date and time | Horodate |  | Y | Update time | 2023-05-26T09:40:16Z |

**File examples :**



# API interface contract

The format of the API (yaml) is available in the below url:

For the production environment:

[https://api.ingrid.grtgaz.com/publication/realisations/v3/api-docs.yaml](https://api.ingrid.grtgaz.com/publication/realisations/v3/api-docs.yaml%20)

For the staging environment

[https://api.ingrid-stg.grtgaz.com/publication/realisations/v3/api-docs.yaml](https://api.ingrid-stg.grtgaz.com/publication/realisations/v3/api-docs.yaml%20)

The access to this API requires an authentication (client and secret). They need to be asked to your operational contact.

The API connection technical guide explain the way to use these API. It can be found in the following link:

<https://www.grtgaz.com/sites/default/files/2023-03/guide-technique-ingrid-api.pdf>