**Technical Guide**

**Allocated Quantity Notice and Statement**

1er mai 2023



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| **Référence** | | GuideTechnique-BQA-EN | | | | **Classement** | | |  | | | |
|  |  | | | | | | | | | | | |
| **Accessibilité** | | | *Accès réservé* |  | *Restreint* | |  | *Interne* | |  | *Libre (à préciser)* | **X** |
|  |  | | | | | | | | | | | |
| **Résumé** | | | | | | | | | | | | |
| This document describes the exchanges format for the Allocated Quantity Notice and Statement | | | | | | | | | | | | |

# Versions list

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Auteur(s)** | **Description** |
| V1.0 | 01/05/2023 | A Soudé | First Version |
|  |  |  |  |
|  |  |  |  |

# File definition

The Allocated Quantity Statement are files dedicated to publish the allocations and the imbalance to our clients.

The Within-day allocation notice (ITJ) is dedicated to publish the allocations on the past hour of the current gas day. This document is only composed of the hourly allocations.

The Partial Allocation Notice (AVRP) are files dedicated to publish the allocation of the past gas day. This document is composed of the daily and hourly allocations.

The Allocated statement (BQA) is composed of monthly data:

* The provisional allocated statement (BQAP) is composed of allocation of the current month (first day of the mounth until the previous day)
* The definitive allocated statement (BQAD) is composed of the allocation of the previously month (M-1)
* The rectified allocated statement (BQAR) is composed of the allocation beyond the previous month (M-2 to M-18).

In the statement documents, the exposed data are the following:

* The Daily and Hourly allocations
* The imbalance

# Where to find the files

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

* **Proactively :** 
  + A CSV file is available and can be downloaded on our 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 METRED v5.1 file is also available
* **Via API :** Dedicated APIs are available to request the metering data. Daily and hourly data 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 and name 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°** | **Libellé** | **Type** | **Longueur** | **Format** |
| **1** | Document type | Alphanumeric | 3 | ITJ/AVRP/BQAP/BQAD/BQAR |
| **2** | Contract code | Alphanumeric | 8 |  |
| **3** | GasDay (ITJ, AVRP)  Gas Month (BQAP, BQAD, BQAR) | Date | 8  6 | AAAAMMJJ  AAAAMM |
| **4** | Date | Date | 17 | JJMMAAAAhhmmssSSS |
| **5** | Extension | Alphanumérique | 4 | .csv |
| **6** | Separators |  | 3 | « \_ » |

Therefore, the file names are:

ITJ\_CODECONTRAT\_AAAAMMJJ\_JJMMAAAAhhmmssSSS.csv

AVRP\_CODECONTRAT\_AAAAMMJJ\_JJMMAAAAhhmmssSSS.csv

BQAP\_CODECONTRAT\_AAAAMM\_JJMMAAAAhhmmssSSS.csv

BQAD\_CODECONTRAT\_AAAAMM\_JJMMAAAAhhmmssSSS.csv

BQAR\_CODECONTRAT\_AAAAMM\_JJMMAAAAhhmmssSSS.csv

# File description

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

* Header
* Imbalance data
* Daily allocation data
* Hourly allocation data

The following table describes the sections relevant to each specific file :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Publication** | **Header** | **Imbalance data** | **Daily allocation data** | **Hourly allocation data** |
| **ITJ** | X |  |  | X |
| **AVRP** | X |  | X |  |
| **BQAP** | X | X | X | X |
| **BQAD** | X | X | X | X |
| **BQAR** | X |  | X | X |

Section 1 – Header:

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

This section contains the following data :

* An ID :
  + For the ITJ :
    - Réalisations intra-journalières / Within-day allocation notice
      * Example : ITJ-XXXXXXX
  + For the AVRP :
    - Avis de Réalisation Partiel / Partial Allocation Notice
      * Example : AVRP-XXXXXXX
  + For the BQAP :
    - Bordereaux de quantité provisoire / Provisionnal Quantity Statement
      * Example : BQAP-XXXXXXX
  + For the BQAD :
    - Bordereaux de mesure définitif / Definitive Quantity Statement
      * Example : BQAD-XXXXXXX
  + For the BQAR :
    - Bordereaux de mesure redressé / Rectified Quantity Statement
      * Example : BQAR-XXXXXXX
* Réseau / Network :
  + Fixed value : GRTgaz
* Période / Period :
  + Example : 01/12/2022 06 : 00 – 02/12/2022 06 :00
  + The period represents the first and last gasday 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

**Sections 2, 3 – 4: Imbalance and daily/hourly allocations data:**

**Imbalance table:**

This section appears only in the BQAP and BQAD publications.

This table is only present in the provisional and definitive allocated statement files.

The table (with semicolon list separators) includes :

* A header line with the name of each column
* The imbalance with a different line for gasday / Perimeter

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **N° Column** | **Name** | **Type** | **Format** | **Mandatory** | **Description** | **Example of possible values** |
| **1** | Journée gazière/ Gasday | Date | JJ/MM/AAAA | Y | Gasday | 25/01/2023 |
| **2** | Périmètre d’équilibrage/ Balancing Zone | Texte |  | Y | Balancing zone | GRTgaz |
| **3** | Ecart de bilan de la trading region en fin de journée (kWh à 25°C) / Imbalance trading region | Numérique |  | N | Imbalance trading region (France) | 100 000 |
| **4** | Ecart de bilan en fin de journée (kWh à 25°C) / Imbalance (kWh at 25°C) | Numérique |  | N | GRTgaz Imbalance | 100 000 |
| **5** | Quantités exposées à P2 (kWh à 25°C) / Quantities subjected to P2 (kWh at 25°C) | Numérique |  | N | GRTgaz Quantities subjected to P2 | 100 000 |
| **6** | Quantités exposées à P4 (kWh à 25°C) / Quantities subjected to P4 (kWh at 25°C) | Numérique |  | N | GRTgaz Quantities subjected to P4 | 100 000 |

**Daily allocation table:**

This section is only missing in the ITJ publication.

The table (with semicolon list separators) includes:

* A header line with the name of each column
* The daily data with a different line per gasday/PCR/direction/counterpart

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **N° Column** | **Name** | **Type** | **Format** | **Mandatory** | **Description** | **Example of possible values** |
| **1** | Journée gazière/ Gasday | Date | JJ/MM/AAAA | Y | Gasday | 25/01/2023 |
| **2** | Groupe de publication / Publication group | Texte |  | Y | Description of the PCR type | PIR : Point amont  LDT : Point de livraison non-profilé  PEG : Point amont  PIRR : Point de sortie  PITD : Point de livraison  PIP : Liaison France - Nord B  PITP : Point de production  PITPB : Point de production  PL : Pool de livraison  PP : Pool de production  PITS : Point amont  PITTM : Point amont  PLC : Point de livraison  PLCd : Point de livraison  LDP : Pool de livraison profilé |
| **3** | ID point contrat/ID service point | Texte |  | Y | PCR code | IR0006 |
| **4** | Type de PCR / PCR type | Texte |  | Y | PCR type | PIR |
| **5** | Libellé / Label | Texte |  | Y | PCR Label | DUNKERQUE |
| **6** | PCS / Realised GCV | Numérique |  | N | Average of the daily GCV of the PCE attach to the PCR | 11,75 |
| **7** | Sens / Direction | Texte |  | Y | Direction of the allocation | Rec/Del |
| **8** | Contrepartie / Counterpart | Texte |  | Y | Counterpart of the allocation | NONE |
| **9** | Qté demandée (kWh à 25°C) / Requested Qty (kWh at 25°C) | Numérique |  | N | Requested value | 100 000 |
| **10** | Qté programmée GRTgaz (kWh à 25°C) / Qty confirmed by GRTgaz (kWh at 25°C) | Numérique |  | N | Confirmed value by GRTgaz | 100 000 |
| **11** | Qté réalisée (kWh à 25°C) / Allocated qty (kWh at 25°C) | Numérique |  | Y | Allocated quantity | 100 000 |
| **12** | Qté réalisée profilée (kWh à 25°C) / Profiled allocated qty (kWh à 25°C) | Numérique |  | N | Profiled part of the allocation | 100 000 |
| **13** | Qté réalisée non profilée T4/TP (kWh à 25°C) / Non profiled allocated qty (kWh at 25°C) | Numérique |  | N | T4/TP Non profiled part of the allocation | 100 000 |
| **14** | Qté réalisée non profilée T3JJ (kWh à 25°C) / T3JJ Non profiled allocated qty (kWh at 25°C) | Numérique |  | N | T3JJ Non profiled part of the allocation | 100 000 |
| **15** | Qté réalisée biométhane (kWh à 25°C) / Biogas allocated qty (kWh at 25°C) | Numérique |  | N | Biogas part of the allocation | 100 000 |
| **16** | Statut / Status | Texte |  | Y | Status of the allocation | PRO/DEF/RED |
| **17** | Date et Heure de Mise à jour / Update date and time | Horodate | YYYY-MM-DDTHH:MM:SSZ | Y | Update date and time | 2022-05-02T09:34:43Z |
| **18** | Valeur de remplacement / Back-up data | Texte |  | Y | Backup data | O/N |

**Hourly allocation table :**

This section is only missing in the AVRP publication.

The table (with semicolon list separators) includes:

* A header line with the name of each column
* The hourly data with a different line per gasday/PCR/direction/counterpart

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **N° Col** | **Nom** | **Type** | **Format** | **Obligatoire** | **Description** | **Exemple** |
| **1** | Journée gazière / Gasday | Date | JJ/MM/AAAA | Y | Gasday | 25/01/2023 |
| **2** | Groupe de publication / Publication group | Texte |  | Y | Description of the PCR type | PIR : Point amont  LDT : Point de livraison non-profilé  PEG : Point amont  PIRR : Point de sortie  PITD : Point de livraison  PIP : Liaison France - Nord B  PITP : Point de production  PITPB : Point de production  PL : Pool de livraison  PP : Pool de production  PITS : Point amont  PITTM : Point amont  PLC : Point de livraison  PLCd : Point de livraison  LDP : Pool de livraison profilé |
| **3** | ID point contrat / ID service point | Texte |  | Y | PCR code | LI0001 |
| **4** | Type de PCR / PCR type | Texte |  | Y | PCR type | PLC |
| **5** | Libellé / Label | Texte |  | Y | PCR Label | AEROPORT DE PARIS |
| **6** | Sens / Direction | Texte |  | Y | Direction of the allocation | Rec/Del |
| **7** | Contrepartie / Counterpart | Texte |  | Y | Counterpart of the allocation | NONE |
| **8** | Heure / Hour | Horaire | HH :MM | Y | Hour | 06:00 |
| **9** | Qté réalisée (kWh à 25°C) / Allocated qty (kWh at 25°C) | Numérique |  | Y | Allocated quantity | 100 000 |
| **10** | Date et Heure de Mise à jour / Update date and time | Horodate | YYYY-MM-DDTHH:MM:SSZ | Y | Update date and time | 2022-05-02T09:34:43Z |

**File examples :**

Example ITJ :



Example AVRP:



Example BQAP/BQAD :



Example BQAR :



# API interface contract

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

For the production environment:

[<A compléter>](https://api.ingrid.grtgaz.com/publication/operations/v3/api-docs.yaml)

For the staging environment

[<A compléter>](https://api.ingrid.grtgaz.com/publication/operations/v3/api-docs.yaml)

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>