**Technical Guide**

**Capacity Overrun Statement**

10 October 2023



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| **Référence** | | GuideTechnique-BDE-EN | | | | **Classement** | | |  | | | |
|  |  | | | | | | | | | | | |
| **Accessibilité** | | | *Accès réservé* |  | *Restreint* | |  | *Interne* | |  | *Libre (à préciser)* | **X** |
|  |  | | | | | | | | | | | |
| **Résumé** | | | | | | | | | | | | |
| This document describes the exchange format for the Capacity overrun Statement. | | | | | | | | | | | | |

# Suivi de versions

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Auteur(s)** | **Description** |
| V0.1 | 01/05/2023 | A Soudé | First version |
| V0.2 | 10/10/2023 | C Florestano | API URL Information §6 |
|  |  |  |  |

# File definition

The capacity overrun statement are files dedicated to publish the the exceeding to our clients.

The capacity overrun statement (BDE) is composed of monthly data:

* The provisional capacity overrun statement (BDEP) is composed of the hourly and daily capacity overrun of the current month (first day of the month until the previous day)
* The definitive capacity overrun statement (BDED) is composed of the hourly and daily capacity overrun of the previously month (M-1)
* The rectified capacity overrun statement (BDER) is composed of the hourly and daily capacity overrun beyond the previous month (M-2 to M-18).

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

* The initial capacity overrun,
* The Operational Subscribed Capacity,
* The allocation,
* The billable capacity overrun (capacity overrun considering the tolerance),
* And the amount associated to the billable capacity overrun.

# 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 will be available to request the overrun 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°** | **Label** | **Type** | **Length** | **Format** |
| **1** | Document type | Alphanumeric | 3 | BDEP/BDED/BDER |
| **2** | Contract code | Alphanumeric | 8 |  |
| **3** | Gas Month | Date | 6 | AAAAMM |
| **4** | Date | Date | 17 | JJMMAAAAhhmmssSSS |
| **5** | Extension | Alphanumérique | 4 | .csv |
| **6** | Separators |  | 3 | « \_ » |

Therefore, the file names are:

BDEP\_CODECONTRAT\_AAAAMM\_ JJMMAAAAhhmmssSSS.csv

BDED\_CODECONTRAT\_AAAAMM\_ JJMMAAAAhhmmssSSS.csv

BDER\_CODECONTRAT\_AAAAMM\_ JJMMAAAAhhmmssSSS.csv

# File description

The files are published to the csv format.

The files are composed of three parts each separated by a line feed:

* Header
* Table with daily capacity overrun
* Table with hourly capacity overrun

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 BDEP:
    - Bordereau de Dépassements de Capacité Provisoire / Provisionnal Capacity Overruns Statement
      * Example : BDEP-XXXXX
  + For the BDED:
    - Bordereau de Dépassements de Capacité Définitif / Definitive Capacity Overruns Statement
      * Example : BDED-XXXXXX
  + For the BDER :
    - Bordereau de Dépassements de Capacité Redressé / Rectified Capacity Overruns Statement
      * Example : BDER-XXXXX
* 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

**Section 2,3 : Overrun capacity tables**

There are 2 different kinds of tables:

* The first table is composed by daily overrun capacities.
* The second table is composed by hourly overrun capacities.

**Daily overrun capacity table :**

The table (with semicolon list separators) includes :

* A header line with the name of each column
* The daily overrun capacities

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **N° Col** | **Name** | **Type** | **Format** | **Mandatory** | **Description** | **Example** |
| **1** | ID point contrat/ID service point | Text |  | O | PCR code | IR0006 |
| **2** | Type de PCR/ PCR Type | Text |  | O | PCR Type | PIR / PLC |
| **3** | Libellé / Label | Text |  | O | PCR label | Dunkerque |
| **4** | Sens / Direction | Text | REC, DEL | O | Direction of the PCR | REC |
| **5** | Journée gazière / Gasday | Date | JJ/MM/AAAA | O | Gasday of the overrun capacity | 01/01/2023 |
| **6** | Qté réalisée (kWh à 25°C) / Allocated qty (kWh at 25°C) | Numeric |  | O | Allocation value at 25°C | 100 |
| **7** | Qté réalisée (kWh à 0°C) / Allocated qty (kWh at 0°C) | Numeric |  | O | Allocation value at 0°C | 100 |
| **8** | Capacité Opérationnelle Souscrite (kWh à 25°C) / Operationnal Subscribed Capacity (kWh at 25°C) | Numeric |  | O | Operational Subcribed Capacity at 25°C | 90 |
| **9** | Capacité Opérationnelle Souscrite (kWh à 0°C) / Operationnal Subscribed Capacity (kWh at 0°C) | Numeric |  | O | Operational Subcribed Capacity at 0°C | 90 |
| **10** | Dépassement de capacité journalier (kWh à 25°C) / Daily capacity overrun (kWh at 25°C) | Numeric |  | O | Daily overrun capacity at 25°C | 10 |
| **11** | Dépassement de capacité journalier (kWh à 0°C) / Daily capacity overrun (kWh at 0°C) | Numeric |  | O | Daily overrun capacity at 0°C | 10 |
| **12** | Dépassement de capacité journalier facturable (kWh à 25°C) / Daily billable capacity overrun (kWh at 25°C) | Numeric |  | N | Daily Overrun capacity considering the tolerance at 25°C | 5 |
| **13** | Dépassement de capacité journalier facturable (kWh à 0°C) / Daily billable capacity overrun (kWh at 0°C) | Numeric |  | N | Daily Overrun capacity considering the tolerance at 0°C | 5 |
| **14** | Montant du Dépassement (€) / Overrun amount (€) | Decimal |  | N | Overrun amount | 1,12 |
| **15** | Statut / Status | Text | PRO, DEF, RED | O | Status of the overrun capacity | PRO |
| **16** | Date et Heure de Mise à jour / Update date and time | Horodate | YYYY-MM-DDTHH:MM:SSZ | O | Update date and time of the overrun. | 2023-01-01T00:00:00Z |

**Hourly overrun capacity table :**

The table (with semicolon list separators) includes :

* A header line with the name of each column
* The hourly overrun capacities

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **N° Col** | **Name** | **Type** | **Format** | **Mandatory** | **Description** | **Example** |
| **1** | ID point contrat/ID service point | Texte |  | O | PCR code | LI0006 |
| **2** | Type de PCR/ PCR Type | Texte |  | O | PCR Type | PLC |
| **3** | Libellé / Label | Texte |  | O | PCR label | Cycofos |
| **4** | Sens / Direction | Texte |  | O | Direction of the PCR | DEL |
| **5** | Journée gazière / Gasday | Date | JJ/MM/AAAA | O | Gasday of the overrun capacity | 01/01/2023 |
| **6** | Heure / Hour | Horaire | HH :MM – HH :MM | O | Hour | 06:00 - 10:00 |
| **7** | Qté réalisée (kWh à 25°C) / Allocated qty (kWh at 25°C) | Numérique |  | O | Allocation value at 25°C | 100 |
| **8** | Qté réalisée (kWh à 0°C) / Allocated qty (kWh at 0°C) | Numérique |  | O | Allocation value at 0°C | 100 |
| **9** | Capacité Opérationnelle Souscrite (kWh à 25°C) / Operationnal Subscribed Capacity (kWh at 25°C) | Numérique |  | O | Operational Subcribed Capacity at 25°C | 90 |
| **10** | Capacité Opérationnelle Souscrite (kWh à 0°C) / Operationnal Subscribed Capacity (kWh at 0°C) | Numérique |  | O | Operational Subcribed Capacity at 0°C | 90 |
| **11** | Dépassement de capacité horaire (kWh à 25°C) / Hourly capacity overrun (kWh at 25°C) | Numérique |  | O | Hourly overrun capacity at 25°C | 10 |
| **12** | Dépassement de capacité horaire (kWh à 0°C) / Hourly capacity overrun (kWh at 0°C) | Numérique |  | O | Hourly overrun capacity at 0°C | 10 |
| **13** | Dépassement de capacité horaire facturable (kWh à 25°C) / Hourly billable capacity overrun (kWh at 25°C) | Numérique |  | N | Hourly Overrun capacity considering the tolerance at 25°C | 5 |
| **14** | Dépassement de capacité horaire facturable (kWh à 0°C) / Hourly billable capacity overrun (kWh at 0°C) | Numérique |  | N | Hourly Overrun capacity considering the tolerance at 0°C | 5 |
| **15** | Montant du Dépassement (€) / Overrun amount (€) | Décimal |  | N | Overrun amount | 1,12 |
| **16** | Statut / Status | Texte | PRO, DEF, RED | O | Status of the overrun capacity | PRO |
| **17** | Date et Heure de Mise à jour / Update date and time | Horodate | YYYY-MM-DDTHH:MM:SSZ | O | Update date and time of the overrun. | 2023-01-01T00:00:00Z |

**Exemple de fichier :**



# Contrat d’interface API

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.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>