**Technical Guide**

**Capacities and Services Portfolio**

October 10th 2022



|  |  |  |  |
| --- | --- | --- | --- |
| **Reference** | GuideTechnique-PSC-EN | **Rating** |  |
|  |  |
| **Accessibility** | *Accès réservé* |  | *Restreint* |  | *Interne* |  | *Libre (à préciser)* | **X** |
|  |  |
| **Summary** |
| This document describes the format for exchanging data relating to the Portfolio of Services and Capacities, abbreviated PSC. |

# Version tracking

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Auteur(s)** | **Description** |
| V1.0 | 11/02/2022 | M EL MAARABANI | Version Initiale |
| V1.1 | 28/06/2022 | M EL MAARABANI | Remove the Assignee Contract column which always represents the Customer Contract |
| V1.2 | 10/10/2022 | C FLORESTANO | To clarify API Acess |

# Description

The Portfolio of Services and Capacities is a document specific to a transmission contract. It summarizes the capacities and services that the holder of the transmission contract has subscribed to.

The PSC allows a shipper to check the capacities and services that he has subscribed to in liberal mode, as well as the capacities that have been allocated to him in administered mode. It gives a vision over 3 calendar months (previous month, current month and the next month)

Four publications are available:

- The upstream capacity PSC which contains for each shipper the capacities allocated on the contractual points of the upstream network (PIR, PITS and PITTM)

- The downstream capacity PSC which contains for each shipper the capacities allocated in liberal mode on the contractual points of the downstream network (PLC, PIRR, PITP, PITB) and on the exit zones (ZS)

- The downstream standardized subscriptions PSC which contains for the distribution transmission interface points (PITD) the details of the standardized capacities and annual reference consumption by CAD (distribution transmission contract)

- The service PSC which contains for each shipper the services subscribed for the downstream and upstream networks

# Available method of publication

The PSC document is published by GRTgaz to shippers according to the following three methods

- **Proactive**: a publication every day that covers 3 months (from 01/M-1 to 31/M+1) in csv format. The publication in proactive mode will be delivered to senders via an sFTP channel. They can also be downloaded via the ingrid portal.

- **Provision via API**: An API is available to get the data related to the PSC publication in JSON format. In order to implement the interface please refer to the [§6](#_API_interface), Credentials are required for the connection : please refer to your GRTGAZ commercial GRTGAZ contact

- **Complementary**: At the request of the client via the ingrid portal (feature to come)

It is important to mention that all publication has a **maximum period of retention of one year**.

# Document name and format

The document will be published in csv format. The name of the file will comply with the following rule:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **N°** | **Label** | **Type** | **Length** | **Format** |
| **1** | Type of the document | Alphanumeric | Max 11 | PSCSOUSNORMPSCAVALPSCAMONTPSCSERVICE |
| **2** | Contract code | Alphanumeric |  |  |
| **3** | Gas month | Date | 6 | AAAAMM |
| **4** | Date of generation | Date | 17 | JJMMAAAAhhmmssSSS |
| **5** | Extension | Alphanumeric | 4 | .csv |
| **6** | Separators |  | 1 | « \_ » |

As a result, the document will have for instance the following name:

PSCSOUSNORM\_CONTRACTCODE\_AAAAMM\_JJMMAAAAhhmmssSSS.csv

PSCAVAL\_ CONTRACTCODE \_AAAAMM\_JJMMAAAAhhmmssSSS.csv

PSCAMONT\_ CONTRACTCODE \_AAAAMM\_JJMMAAAAhhmmssSSS.csv

PSCSERVICE\_ CONTRACTCODE \_AAAAMM\_JJMMAAAAhhmmssSSS.csv

# Description of document format for each publication

The next paragraphs will present the format of each type of publication, namely: Upstream, Downstream, Distribution and Service. The file is published in CSV format, semicolon separator ( ; ), comma decimal separator ( , )

# Upstream PSC

Composition of headers:

The header contains the information about the shipper. It consists of the following data:

* Upstream Capacity Portfolio:
	+ Example: Ref-XXXX
	+ The reference is filled in as follows:
		- 3 letters Ref
		- A sequence of numbers
* Network:
	+ Example: GRTgaz – Upstream
* Period:
	+ Example: 01/12/2020 06:00 – 01/03/2021 06:00
	+ The period is defined with the start date and the end date of the capacities reported in the PSC
* Contract ID:
	+ Example: GFXXXX01
	+ The contract identifier is that of the sender contract.
	+ It is made up as follows:
		- First 2 letters are always GF
		- The rest of the code consists of 4 letters
		- The code ends with 2 digits
* Shipper ID:
	+ Example: GFXXXX
	+ The sender identifier is built from the contract ID without the last 2 digits
* Name of the shipper:
	+ Example: XXXX
	+ Shipper company name linked to shipper contract
* Last update
	+ Example: 01/22/2021 15:06:25
	+ Upstream PSC update date
* Commitment end date:
	+ Example: 01/10/2027 06:00:00
	+ End date of the last capacities subscribed by the shipper contract
* Valuation in euros based on the current rate / Valuation in EUR based on the current rate

Composition of the body:

The tables presented in this part contain the following columns:

* Col No: number of the column in the row
* Name: description of the content of the field
* Type: field type
* Format: data format
* Mandatory: determines whether the field is mandatory or not; if the field is not filled in, it is empty
* Description: additional precision
* Example: range of values ​​that the data can take or examples of values.

The Upstream PSC data table starts at line 12 of the csv file.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Col No** | **Name** | **Type** | **Format** | **Mandatory** | **Description** | **Example** |
| **1** | Donnée / Data | Text |   | Y | Publication type | CA |
| **2** | Marché / Market | Text |   | Y | Indicates whether the CA was purchased on the primary market or was acquired on the secondary market | Marché PrimaireMarché secondaire  |
| **3** | Type de PCR / PCR Type | Text |   | Y | Category of point to which the PCR belongs | PIR, PITS, PITTM, PITP, PIP, … |
| **4** | Code PCR / PCR code | Alphanumeric |   | Y | PCR identification | IR0006, IR0010, IR011, PS000NA, PS00NB, … |
| **5** | Libellé / Label | Text |   | Y | PCR name | Virtualys, Oltingue, … |
| **6** | Sens / Direction | Text |   | Y | Capacity direction | Rec, Del |
| **7** | Journée Gazière / Gasday | Date | JJ/mm/aaaa | Y | Gasday of the allocated capacity | 01/01/2022 |
| **8** | Runtime / Runtime | Number |   | Y | Number of hours of the day that the CA covers. For maturities other than Intraday, this value is equal to 24 otherwise the value is between 1 and 24 | 24 |
| **9** | Type / Type | Text |   | Y | Capacity type | Ferme, Interruptible, Rebours |
| **10** | Maturité / Maturity | Text |   | Y | The maturity of the allocated capacity | Annuelle, Trimestrielle, Mensuellle, Intermédiaire, Quotidienne, Infrajournaliere |
| **11** | ID Enchère PRISMA/ Auction ID | Number |   | N | Identifier of the PRISMA auction on which the CA was purchased | 123456 |
| **12** | ID Achat PRISMA/ Primary Deal ID | Number |   | N | Identifier of the purchase made on PRISMA | 234567 |
| **13** | ID Echange PRISMA/ Secondary deal ID | Number |   | N | Identifier of the capacity exchange carried out on PRSMA | 345678 |
| **14** | Contrat cédant / Assignor contract | Alphanumeric |   | N | Identifier of the contract transferring the capacity | GFTEST01 |
| **15** | Valeur Journalière (MWh/j 0°C) | Number | Decimal rounded to 3 digits of precision | Y | Capacity value MWH/j 0°C | 100,000 |
| **16** | Valeur Journalière (kWh/j 25°C) | Number | Integer | Y | Capacity value kWH/j 25°C | 100030 |
| **17** | Prix unitaire (€/MWh/j 0°C) / Unit price (€/MWh/d 0°C) | Number | Decimal | Y | Price at which the capacity was acquired. This price is the sum of the regular price and the premium price in MWh/d 0°C) | 0,01344 |
| **18** | Montant journalier (€) / Daily amount (€) | Number | Decimal | Y | Amount in € of the capacity for the day | 1,344 |

File example:



# Downstream PSC

Composition of headers:

The header contains the information about the shipper. It consists of the following data:

* Upstream Capacity Portfolio:
	+ Example: Ref-XXXX
	+ The reference is filled in as follows:
		- 3 letters Ref
		- A sequence of numbers
* Network:
	+ Example: GRTgaz – Upstream
* Period:
	+ Example: 01/12/2020 06:00 – 01/03/2021 06:00
	+ The period is defined with the start date and the end date of the capacities reported in the PSC
* Contract ID:
	+ Example: GFXXXX01
	+ The contract identifier is that of the sender contract.
	+ It is made up as follows:
		- First 2 letters are always GF
		- The rest of the code consists of 4 letters
		- The code ends with 2 digits
* Shipper ID:
	+ Example: GFXXXX
	+ The sender identifier is built from the contract ID without the last 2 digits
* Name of the shipper:
	+ Example: XXXX
	+ Shipper company name linked to shipper contract
* Last update
	+ Example: 01/22/2021 15:06:25
	+ Upstream PSC update date
* Commitment end date:
	+ Example: 01/10/2027 06:00:00
	+ End date of the last capacities subscribed by the shipper contract
* Valuation in euros based on the current rate / Valuation in EUR based on the current rate

Composition of the body:

The tables presented in this part contain the following columns:

* Col No: number of the column in the row
* Name: description of the content of the field
* Type: field type
* Format: data format
* Mandatory: determines whether the field is mandatory or not; if the field is not filled in, it is empty
* Description: additional precision
* Example: range of values ​​that the data can take or examples of values.

The Downstream PSC data table starts at line 12 of the csv file.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Col No** | **Name** | **Type** | **Format** | **Mandatory** | **Description** | **Example** |
| **1** | Données / Data | Texte |   | Y | Publication type | CA |
| **2** | Marché / Market | Texte |   | Y | Indicates whether the CA was purchased on the primary market or was acquired on the secondary market | Marché PrimaireMarché secondaire |
| **3** | Type de PCR / PCR type | Texte |   | Y | Category to which the contractual point belongs | ZS, PLC, PLCd, PITD |
| **4** | Code PCR / PCR code | Alphanumérique |   | Y | PCR identification | ZS0001, LI0001, GD0001, … |
| **5** | Libellé / Label | Texte |   | Y | PCR name |   |
| **6** | Sens / Direction | Texte |   | Y | Capacity direction | Rec, Del |
| **7** | Journée Gazière / Gasday | Date | Jj/mm/aaaa | Y | Gasday of the allocated capacity | 01/01/2022 |
| **8** | Catégorie / Category | Texte |   | Y | Catégorie of the allocated capacity | Acheminement, livraison, Sortie |
| **9** | Type / Type | Texte |   | Y | Capacity type | Ferme, Interruptible, Complémentaire foisonné |
| **10** | Maturité / Maturity | Numérique |   | Y | Maturity of the allocated capacity | Annuelle, Mensuelle, Quotidienne |
| **11** | Valeur Journalière (MWh/j 0°C) / Daily value (MWh/d 0°C) | Numérique | Décimal avec 3 chiffres après la virgule | Y | Capacity value MWH/j 0°C | 1000 |
| **12** | Valeur Journalière (kWh/j 25°C) / Daily value (kWh/d 25°C) | Numérique | Entier | Y | Capacity value kWH/j 25°C | 1003 |
| **13** | Cplt de modulation horaire (MWh/j 0°C) / Hourly modulation cplt (MWh/d 0°C) | Numérique | Décimal avec 3 chiffres après la virgule | N | Hourly modulation capacity | 50 |
| **14** | Valeur non profilée (MWh/j 0°C) / Not profiled value (MWh/d 0°C) | Numérique | Décimal avec 3 chiffres après la virgule | N | The not profiled share of the capacity | 503 |
| **15** | Valeur Profilée (MWh/j 0°C) / Profiled value (MWh/d 0°C) | Numérique | Décimal avec 3 chiffres après la virgule | N | The profiled share of the capacity | 500 |

File example:

****

# Services PSC

Composition of headers:

The header contains the information about the shipper. It consists of the following data:

* Upstream Capacity Portfolio:
	+ Example: Ref-XXXX
	+ The reference is filled in as follows:
		- 3 letters Ref
		- A sequence of numbers
* Network:
	+ Example: GRTgaz – Upstream
* Period:
	+ Example: 01/12/2020 06:00 – 01/03/2021 06:00
	+ The period is defined with the start date and the end date of the capacities reported in the PSC
* Contract ID:
	+ Example: GFXXXX01
	+ The contract identifier is that of the sender contract.
	+ It is made up as follows:
		- First 2 letters are always GF
		- The rest of the code consists of 4 letters
		- The code ends with 2 digits
* Shipper ID:
	+ Example: GFXXXX
	+ The sender identifier is built from the contract ID without the last 2 digits
* Name of the shipper:
	+ Example: XXXX
	+ Shipper company name linked to shipper contract
* Last update
	+ Example: 01/22/2021 15:06:25
	+ Upstream PSC update date
* Commitment end date:
	+ Example: 01/10/2027 06:00:00
	+ End date of the last capacities subscribed by the shipper contract
* Valuation in euros based on the current rate / Valuation in EUR based on the current rate

Composition of the body:

The tables presented in this part contain the following columns:

* Col No: number of the column in the row
* Name: description of the content of the field
* Type: field type
* Format: data format
* Mandatory: determines whether the field is mandatory or not; if the field is not filled in, it is empty
* Description: additional precision
* Example: range of values ​​that the data can take or examples of values.

The Services PSC data table starts at line 12 of the csv file.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Col No** | **Name** | **Type** | **Format** | **Mandatory** | **Description** | **Example** |
| **1** | Donnée / Data | Text |   | Y | Publication type | Service |
| **2** | Réseau / Network | Text |   | Y | Network | Réseau / Network : Amont, Aval |
| **3** | Service / Service | Text |   | Y | Subscribed service | Accès au PEG, Préavis court, ALIZE, PLC saisonnier |
| **4** | Type de PCR / PCR Type | Text |   | Y | Category to which the PCR belongs | PEG, CEE, PLC, PLCd |
| **5** | Code PCR / PCR Code | Alphanumeric |   | Y | Contractual point identification | EG001F, EE001F, LI0001 |
| **6** | Libellé / Label | Text |   | Y | Contractual point name |  PEG |
| **7** | Date de début / Start date | Date | Jj/mm/aaaa | Y | First gas day for which the service is active | 01/01/2022 |
| **8** | Date de fin / End date | Date | Jj/mm/aaaa | Y | Last gas day for which the service is active | 01/01/2023 |

File example:



# Standardized Capacities PSC

Composition of header:

The header contains the information about the shipper. It consists of the following data:

* Upstream Capacity Portfolio:
	+ Example: Ref-XXXX
	+ The reference is filled in as follows:
		- 3 letters Ref
		- A sequence of numbers
* Network:
	+ Example: GRTgaz – Upstream
* Period:
	+ Example: 01/12/2020 06:00 – 01/03/2021 06:00
	+ The period is defined with the start date and the end date of the capacities reported in the PSC
* Contract ID:
	+ Example: GFXXXX01
	+ The contract identifier is that of the sender contract.
	+ It is made up as follows:
		- First 2 letters are always GF
		- The rest of the code consists of 4 letters
		- The code ends with 2 digits
* Shipper ID:
	+ Example: GFXXXX
	+ The sender identifier is built from the contract ID without the last 2 digits
* Name of the shipper:
	+ Example: XXXX
	+ Shipper company name linked to shipper contract
* Last update
	+ Example: 01/22/2021 15:06:25
	+ Upstream PSC update date
* Commitment end date:
	+ Example: 01/10/2027 06:00:00
	+ End date of the last capacities subscribed by the shipper contract
* Valuation in euros based on the current rate / Valuation in EUR based on the current rate

Composition of the body:

The tables presented in this part contain the following columns:

* Col No: number of the column in the row
* Name: description of the content of the field
* Type: field type
* Format: data format
* Mandatory: determines whether the field is mandatory or not; if the field is not filled in, it is empty
* Description: additional precision
* Example: range of values ​​that the data can take or examples of values.

The Standardized Capacities PSC data table starts at line 12 of the csv file.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Col No** | **Name** | **Type** | **Format** | **Mandatory** | **Description** | **Example** |
| **1** | Donnée / Data | Text |   | Y | Publication type | CapaGRD |
| **2** | Code PCR / PCR code | Alphanumeric |   | Y | Contractual point identification | GD0001 |
| **3** | Libellé / Label | Text |   | Y | Contractual point name |   |
| **4** | CAD / CAD | Alphanumeric |   | Y | Distribution contract code | A0000000001 |
| **5** | Profil / Profile | Alphanumeric |   | Y | Consumption profile | P011, P012, P013, P014, P015, P016, P017, P018, P019, NP |
| **6** | Maturité / Maturity | Text |   | Y |   | Annuel, mensuel, quotidien |
| **7** | Journée Gazière / Gasday | Date | Jj/mm/aaaa | Y | gasday | 01/01/2022 |
| **8** | CAR (MWh 0°C) / CAR (MWh 0°C)  | Number | Décimal avec 3 chiffres après la virgule | Y |   |   |
| **9** | Capnorm (MWh 0°C) / Standardized capacity  (MWh 0°C)  | Number | Décimal avec 3 chiffres après la virgule | Y |   |   |

File example:



# API interface

API signature (yaml format) are available at url below :

Production environment :

<https://api.ingrid.grtgaz.com/publication/psc/q/openapi>

Staging environment :

<https://api.ingrid-stg.grtgaz.com/publication/psc/q/openapi>

Please get from your commercial contract client and secret required for connection.

Document Technical guide connection API provides further details for using APIs.