

Balancing Notice

This document describes the data exchange format for the Notice Balancing abbreviated as “AVE”.

# 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.

# Document Location

The files are downloaded from the TRANS@ctions portal via the publications search page:



|  |  |
| --- | --- |
| French | English |
| Accueil | Home |
| Recherche | Search |
| Recherche de publications | Publications' search |
| Type de publications | Publications' type |
| Avis de capacités opérationnelles | Operational capacities notice |
| Bordereau de capacités opérationnelles | Operational capacities statement |
| Programme de capacités opérationnelles | Operational capacities program |
| Avis miroir | Mirror notice |
| Avis miroir partiel | Partial mirror notice |
| Avis de programmation | Confirmation Notice |
| Avis de programmation partiel | Partial confirmation notice |
| Bordereau de quantités provisoire | Provisional quantities statement |
| Bordereau de quantités définitif | Definitive quantities statement |
| Référence | Reference |
| Publiée entre le…Et le… | Published between…and… |
| Données comprises entre le … Et le… | Data provided between…and… |
| Rechercher | Search |
| Résultats | Results |
| Date de publication | Publication date |
| Date de début des données | Start date of data |
| Date de fin des données | End date of data |
| Capacités Commercialisées | Available capacities |
| Souscription normalisées | Standardized subscription |

# File Name and Format

The File is Available in CSV and XML Format

Files are named as per following rules.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| N° | Name | Type | Length | Format |
| 1 | Type of Exchange | alphanumeric | 3 | AVE |
| 2 | Contract Code | alphanumeric |  |  |
| 3 | Gas Day | Date | 8 | YYYYMMDD |
| 4 | Date | Date | 14 | DDMMYYYYhhmmss |
| 5 | Extension | alphanumeric | 4 | .csv ou .xml |
| 6 | Separators |  | 4 | « \_ » |

So finally the files have full names as below:

AVE\_CODECONTRAT\_YYYYMMDD\_\_DDMMYYYYhhmmss.csv

AVE\_CODECONTRAT\_YYYYMMDD\_\_DDMMYYYYhhmmss.xml

# File Description

## CSV Format

The tables in this section contain the following columns:

* N°: Number of fields in the line
* Name: Description of the contents of the Field
* Type: Type of Field
* Length
* Unit
* Format: Data Format
* Required: determines whether the field is mandatory filled or not ; if the field is left blank it is empty
* Value: Range of possible data values or examples of these values
* Comments: Additional Commentary to provide more accuracy

In the following tables, data types are:

* N: Numeric
* X, AN: Alphanumeric
* D: date
* H: Hour
* E: enumeration on 1 character

.

The length is expressed in parentheses if necessary:

* X (n) is a string of alphanumeric characters n,
* 9 (n) is a numerical string of n characters,
* S9 (n) is a signed (+ or -) digital channel.

The decimal separation is represented by a point.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **N°** | **Name** | **Type** | **Long.** | **unit** | **Format** | **Mandatory.** | **Example** | **Commentary** | **Mapping XML** |
| **Header of the publication** |
| **1** | Avis d'Equilibrage /Balancing Notice | AN | X |  | Text | O | AVE-920097 | AVE–xWhere x represents the identifier of the publication for the PFF (File Platform) | TYPE\_ECHANGE |
| **2** | Réseau / Network | AN | X |  | Text | O | GRTgaz | Constant | n/a |
| **3** | Période / Period | D | X |  | DD/MM/YYYY hh:mm - DD/MM/YYYY hh:mm | O | 01/07/2014 06:00 – 02/07/2014 06:00 | Date of beginning and end of Gas Day of the publication | DATE\_DEBUTDATE\_FIN |
| **4** | ID contrat / ID contract | AN | X |  | Text | O | GFxxxx01 | GRTgaz contract reference | CODE\_CONTRAT |
| **5** | ID expéditeur / ID shipper | AN | X |  | Text | O | GFxxxx | GRTgaz shipper identifier | CODE\_SHIPPER |
| **6** | Nom de l’expéditeur / Name of the shipper | AN | X |  | Text | O | E.xxxxx | Shipper name | NOM\_SHIPPER |
| **7** | Date de mise à jour / Date of update | D | X | Date | DD/MM/YYYY hh:mm:ss | O | 17/07/2010 15:54:12 | Date of creation of the file | DATE\_CREATION |
| **Section "Global Balance" All Contracts (1 line with the wording of the different columns, separated by semi-colons, and then 1 line by JG / scope / type of gas)** |
| **1** | Journée gazière / Gasday | D | X |  | DD/MM/YYYY | O | 17/07/2014 | JG (Gas Day) | JOURNEE\_GAZIERE |
| **2** | Périmètre d'Equilibrage / Balancing section | AN | X |  | Text | O |  GRTgaz | Balancing section | VALEUR\_PERIMETRE |
| **3** | Type de gaz / Type of gas  | AN | X |  | Text | N | HB | Gas type | TYPE\_GAZ\_VALEUR |
| **4** | Coefficient k0 / k0 coefficient | N | 9 |  | Decimal | N | 1,2354 | Value of k0 coefficient | K0 |
| **5** | Qté de remplacement k0 / k0 replacement quantity | AN | X |  | Boolean | N | Y, N |  | K0\_VALEUR\_ REMPLACEMENT |
| **6** | Déséquilibre fin de journée / End-of-day imbalance | N | 9 |  | Signed Integer | O | -2, -1, 0, 1, 2 | -2 = Very short-1 = Short0 = Balanced1 = Long2 = Very long | INDT |
| **7** | Déséquilibre fin de journée (kWh à 25°C) / End-of-day imbalance (kWh at 25°C) | N | 9 | KWh 25°C | Signed Integer | O | -190000 |  | DESEQ |
| **8** | Déséquilibre fin de journée (kWh à 0°C) / End-of-day imbalance (kWh at 0°C) | N | 9 | KWh 0°C |  Decimal rounded at two figures | O | -189431,70 |  | DESEQ |
| **9** | Qté de remplacement déséquilibre / Imbalance backup value | AN | X |  | Text | N | Y, N |  | DESEQ\_VALEUR\_ REMPLACEMENT |
| **10** | Stock en conduite projeté / Stock in projected conduit | AN | 9 |  |  Signed Integer | N |  O -3, -2, -1, 0, 1, 2, 3 | -3 = Very short network-2 = Short network-1 = Short balanced0 = Balanced1 = Long balanced2 = Long network3 = Very long network | INDIC\_STOCK |
| **11** | Stock en conduite projeté (kWh 25°C) / Stock in projected conduit (kWh at 25°C) | N | 9 | KWh 25°C |  Signed Integer | N | O -190000 |  | INDIC\_STOCK\_VALUE |
| **12** | Stock en conduite projeté (kWh 0°C) / Stock in projected conduit (kWh at 0°C) | N | 9 | KWh 0°C |  Decimal rounded at two figures | N | O -190000,25 |  | INDIC\_STOCK\_VALUE |
| **13** | Qté de remplacement stock en conduite / Replacement quantity stock in conduit | AN | X |  | Text | N | Y, N |  | STOCK\_VALEUR\_ REMPLACEMENT |
| **14** | Prévisions de consommations tous clients (kWh à 25°C) / All customers consumption forecasts (kWh at 25°C) | N | 9 | KWh 25°C | Signed Integer | O | -190000 |  | ALL\_PREV\_CONSO |
| **15** | Prévisions de consommations tous clients (kWh à 0°C) / All customers consumption forecasts (kWh at 0°C) | N | 9 | KWh 0°C | Decimal rounded at two figures  | O | -189431,70 |  | ALL\_PREV\_CONSO |
| **16** | Qté de remplacement prévisions / Forecasts backup value | AN | X |  | Text | N | Y, N |  | ALL\_PREV\_CONSO\_ VALEUR\_REMPLACEMENT |
| **17** | Prix Moyen (€/MWh) / Average Price (€/MWh) | N | 9 | €/MWh | Signed Decimal | N | 21,234 |  | AVG\_PRICE |
| **18** | Prix Marginal Achat (€/MWh) / Marginal Buy Price (€/MWh) | N | 9 | €/MWh | Signed Decimal | N | 21,234 |  | MARGINAL\_BUY\_ PRICE |
| **19** | Prix Marginal Vente (€/MWh) / Marginal Sell Price (€/MWh) | N | 9 | €/MWh | Signed Decimal | N | 21,234 |  | MARGINAL\_SELL\_PRICE |
| **20** | Qté de remplacement prix / Replacement quantity price | AN | X |  | Text | N | Y, N |  | QTTE\_REMP\_PRICE |
| **Section "forecast consumption" of the Contract (1 line with column labels, separated by semi-colons, and then one line JG / scope / type of gas)** |
| **1** | Journée gazière / Gasday | AN | X | Date | DD/MM/YYYY | O | 17/07/2010 | JG (Gas Day) | JOURNEE\_GAZIERE |
| **2** | Périmètre d'Equilibrage / Balancing section | AN | X |  | Text | O |  GRTgaz | Balancing section | VALEUR\_PERIMETRE |
| **3** | Type de gaz / Type of Gas  | AN | X |  | Text | N | HB | Gas Type | TYPE\_GAZ\_VALEUR |
| **3** | ID point contrat /ID service point | AN | X |  | Text | O | DT001H / DT001B / DP001H / DP001B / … | The consumption forecasts are held by particular PCR (NCP): * ‘DT001x‘ for distance notice distribution
* ‘DP001x’ for Profiled Distribution
 | VALEUR\_PCR |
| **4** | Type de PCR /PCR type | AN | X |  | Text | O | PL | Constant | n/a |
| **5** | Libellé / Wording | AN | X |  | Text | O | POOL DE LIVRAISON NON-PROFILE GRTGAZ H / POOL DE LIVRAISON NON-PROFILE GRTGAZ B / POOL DE LIVRAISON PROFILE GRTGAZ H / POOL DE LIVRAISON PROFILE GRTGAZ B | PCR (NCP) wording | PCR\_LIBELLE |
| **6** | Sens /Direction | AN | X |  | Text | O | Del | direction | VALUE\_SENS |
| **7** | Contrepartie / Counterpart | AN | X |  | Text | O | NONE | Counterpart | VALEUR\_CP |
| **8** | Qté prévue (kWh à 25°C) / Forecasted qty (kWh at 25°C) | N | 9 | KWh 25°C | Signed Integer | O | -190000 |   | QTTE\_PREV |
| **9** | Qté prévue (kWh à 0°C) / Forecasted qty (kWh at 0°C) | N | 9 | KWh 0°C | Decimal rounded at two figures  | O | -189431,70 |   | QTTE\_PREV |
| **10** | Qté de remplacement / Replacement value | AN | X |  | Boolean | O | Y, N |   | QTTE\_PREV\_VALEUR\_ REMPLACEMENT |
| **11** | Nouvelle donnée / New data | AN | X |  | Boolean | O | Y, N |   | QTTE\_PREV\_DATA\_NEW |
| **12** | Date et Heure de Mise à jour / Update date and time | D | X | Date | DD/MM/YYYYThh:mm:ssZ | O | 2013-05-26T09:40:16Z |   | DATE\_MAJ |
| **Section "Quantities Consumed Intra-J" of the Contract (1 line with column labels, separated by semicolons, and then 1 line by JG / Scope / Type of gas / PCR / CP)** |
| **1** | Journée gazière /Gasday | AN | X | Date | DD/MM/YYYY | O | Ex : 17/07/2010 | JG (Gas Day) | JOURNEE\_GAZIERE |
| **2** | Périmètre d'Equilibrage / Balancing section | AN | X |  | Text | O | GRTgaz | Balancing section | VALEUR\_PERIMETRE |
| **3** | Type de gaz /Gas type | AN | X |  | Text | N | HB | Gas type | TYPE\_GAZ\_VALEUR |
| **3** | ID point contrat /Contract point ID  | AN | X |  | Text | O | TT001H / TT001B / TC001H / TC001B / GD0002 / … | The intraday data is available for the PCR (NCP) of the type PLC (CDP), PLCd (dCDP) and PITD (TDIP) They are aggregated at the PCR (NCP) level of type :* TC « TOTAL PLC(d) »
* TT « TOTAL TELERELEVES PITD »
 | VALEUR\_PCR*(PCR\_TYPE)* |
| **4** | Type de PCR /PCR type | AN | X |  | Text | O | TT / TC / PITD / PLC/PLCd | Constant | PCR\_TYPE |
| **5** | Libellé / Wording | AN | X |  | Text | O | TOTAL TELERELEVES PITD GRTGAZ H / TOTAL TELERELEVES PITD GRTGAZ B / TOTAL PLC(d) GRTGAZ H / TOTAL PLC(d) GRTGAZ B / SELTZ /… | PCR wording | PCR\_LIBELLE |
| **6** | Sens /Direction | AN | X |  | Text | O | Del | direction | VALUE\_SENS |
| **7** | Contrepartie / Counterpart | AN | X |  | Text | O | NONE / A040000002 | Counterpart | VALEUR\_CP |
| **8** | Heure de fin de mesure / Measure end time | AN | X |  | Text | O | 14:00 | The data published in this section are not hourly but aggregated at the daily bucket. In intra-day, they are thus partial. This column indicates the last period covered by the measure.  | H\_MES |
| **9** | Qté mesurée intra-journalière (kWh à 25°C) / Intraday measured qty (kWh at 25°C) | N | 9 | KWh 25°C | Signed Integer | O | -190000 |   | QTTE\_RELEVE\_ITJ |
| **10** | Qté mesurée intra-journalière (kWh à 0°C) / Intraday measured qty (kWh at 0°C) | N | 9 | KWh 0°C | Decimal rounded at two figures  | O | -189431,70 |   | QTTE\_RELEVE\_ITJ |
| **11** | Qté de remplacement / replacement value | AN | X |  | Boolean | O | Y, N |   | QTTE\_RELEVE\_ITJ\_ VALEUR\_REMPLACEMENT |
| **12** | Nouvelle donnée / New data | AN | X |  | Boolean | O | Y, N |   | QTTE\_RELEVE\_ITJ\_ DATA\_NEW |
| **13** | Date et Heure de Mise à jour / Update date and time | D | X | Date | DD/MM/YYYYThh:mm:ss | O | 2013-05-26T09:40:16Z |   | DATE\_MAJ |

## Format XML

This is the AVE description under the xml format :



|  |  |
| --- | --- |
| French | English |
| Balise entête du FLUX | Heading of FLOW tag |
| Balise Version : Numéro de version du XML | Version Tag: Version number of XML |
| Type de message | Message type |
| Date de création du fichier | File creation date |
| Balise Transporteur d'origine | Origin transporter tag |
| Type de destinataire | Recipient type |
| Destinataire du fichier (code de l'expéditeur) | Recipient of file (shipper's code) |
| Code du contrat | Contract code |
| Date de début de la période prise en compte dans la publication | Start date of period considered in the publication |
| Date de fin de la période prise en compte dans la publication | End date of period considered in the publication |
| Balise Info | Info tag |
| Référence de la publication | Reference publication |
| Identifiant GRTgaz de l'expéditeur | Shipper's GRTgaz identifier |
| Nom de l'expéditeur | Shipper's name |
| Balise Journée Gazière | Gas Day Tag |
| Balise date de publication du dernier AVE ("Suivi Flux") | Tag publication date of last AVE ("Monitored Flow") |
| Balise Périmètre d'équilibre | Balancing section Tag |
| Attribut Périmètre d'équilibre | Balancing section attribute |
| Balise Type de Gaz | Gas Type Tag |
| Attribut type de gaz | Gas type attribute |
| Balise Coefficient 'k0' | Coefficient "k0" Tag |
| Balise Quantité de remplacement k0 | Replacement Quantity k0 Tag |
| Balise indicateur de tension | Tension indicator tag |
| Balise Déséquilibre fin de journée | End of the day Imbalance tag |
| Balise quantité de remplacement déséquilibre | Imbalance replacement quantity tag |
| Balise indicateur de stock en cours | Stock in progress indicator tag |
| Balise quantité de remplacement indicateur de stock en cours | Replacement quantity indicator of stock in progress tag |
| Balise prévisions de consommations tous clients | Forecasts of all customers consumption tag |
| Balise quantité de remplacement prévisions tous clients | All customers replacement quantity forecasts tag |
| Balise Prix moyens | Average price tag |
| Balise Prix marginal Achat | Marginal purchase price tag |
| Balise Prix marginal Vente | Marginal sale price tag |
| Balise Prix de remplacement | Replacement price tag |
| Balise Type de Point Contractuel | Contractual Point Type Tag  |
| Attribut du point contractuel | Contractual point attribute |
| Attribut type de PCR | PCR attribute type |
| Attribut libellé de PCR | PCR attribute tag |
| Balise sens | Direction tag |
| Balise Contrepartie associé au contrat d'acheminement | Counterpart associated with transmission contract tag |
| Attribut de la contrepartie | Counterpart attribute |
| Balise quantité prévue | Forecast quantity tag |
| Balise quantité de remplacement quantité prévue | Forecast quantity replacement quantity tag |
| Balise nouvelle donnée quantité prévue | New forecast quantity data tag |
| Balise heure de fin de mesure | End time of measure tag |
| Balise quantité relevée intra-journalière | Intra-day noticed quantity tag |
| Balise Quantité de remplacement quantité relevée intra-journalière | Replacement quantity intra-day noticed quantity tag |
| Balise nouvelle donnée quantité relevée intra-journalière | New intra-day high quantity data |
| Balise date de mise à jour | Updation date tag |
| Chaine | Chain |
| Décimal signé | Signed decimal  |
| Booléen | Boolean |
| Entier signé | Signed integer |
| Exemples de valeurs | Examples of values |
| Cardinalité/Oblig | Cardinality/Oblig |

Below you can find the expected xsd file (Template) for the AVE exchanges:



Sample CSV file:



Sample XML file:

