

**CRE's communication on transactions monitoring of French wholesale
electricity and gas markets**

Appendix

Data formatting and transmission terms

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1. Transactions for delivery on the French wholesale electricity market

It refers to the list of physically settled contracts concluded on the French wholesale electricity market:

- whatever maturity they should have (intraday, day-ahead, futures or forward);
- whether these contracts were concluded in a pure bilateral way or through brokers;
- excluding exchanges conducted contracts, VPP contracts concluded with EDF, and contracts concluded with system operators ERDF and RTE.

Data will be provided by making the distinction between the following contract categories:

- firm contracts at fixed price;
- firm contracts at indexed price;
- optional contracts;
- locational swap contracts;
- other contracts.

Data characteristics are as follow:

- *Identification of the transaction date (day and hour)*
- *Identification of the purchasing or selling company by its Balancing Responsible Entity code*
- *Identification of a possible intermediary (brokers)*
- *Indication of price components (energy price, indexation source, strike and premium price for options, clauses for specific prices and terms of use for atypical contracts)*
- *Characteristics of the contract for atypical contracts*

1.1. Firm contracts with fixed price

Column Number	Title	Description	Format	If defined, possible values
1	Date	Date and hour of the transaction	Date: dd/mm/yy hh:mm	
2	Buyer		Text (< 50 characters)	Balancing responsible entity code attributed by RTE and used for nomination.
3	Seller		Text (< 50 characters)	Balancing responsible entity code attributed by RTE and used for nomination
4	Profile	Product delivery profile: baseload, peak, off-peak, bloc hours or other	Text (< 255 characters)	- " baseload ": baseload delivery i.e. 24h/24 7d/7 - " peak ": peak delivery i.e. from 8 a.m. to 8 p.m. during working days - - " off-peak ": off-peak delivery i.e. from 8 p.m. to 8 a.m. during working days, Saturday and Sunday - " Hx-Hy ": from hour x to hour y; where x and y are integer numbers from 1 to 24 (y included in the delivery period) - " other ": other delivery profile
5	Beginning of delivery	Beginning date of delivery	Date: dd/mm/yy	
6	End of delivery (excluded)	End date of delivery	Date: dd/mm/yy	First day after the last delivery day. Example: for a delivery ending 12/31/2008 11:59pm, the mentioned date should be 01/01/2009
7	Power	Power in MW	Numerical (Integer numbers)	For a profile of variable delivery: maximum power throughout the period of delivery
8	Energy	Total energy delivered over the delivery period in MWh	Numerical (Integer numbers)	
9	Price	Price per MWh	Numeric (two decimals)	
10	Intermediary	Negotiation intermediary	Text (< 50 characters)	- transaction concluded without any tierce intervention: "bilateral" - transaction concluded via a broker: broker's name : - "GFI" - "ICAP" - "SPECTRON" - "T PREBON" - "TFS" - "other"

1.2. Firm contracts with indexed prices

Column Number	Title	Description	Format	If defined, possible values
1	Date	Date and hour of the transaction	Date: dd/mm/yy hh:mm	
2	Buyer		Text (< 50 characters)	Balancing responsible entity code attributed by RTE and used for nomination.
3	Seller		Text (< 50 characters)	Balancing responsible entity code attributed by RTE and used for nomination
4	Profile	Product delivery profile: baseload, peak, off-peak, bloc hours or other	Text (< 255 characters)	-" baseload ": baseload delivery i.e. 24h/24 7d/7 -" peak ": peak delivery i.e. from 8 a.m. to 8 p.m. during working days -" off-peak ": off-peak delivery i.e. from 8 p.m. to 8 a.m. during working days, Saturday and Sunday -" Hx-Hy ": from hour x to hour y; where x and y are integer numbers from 1 to 24 (y included in the delivery period) -" other ": other delivery profile
5	Beginning of delivery	Beginning date of delivery	Date: dd/mm/yy	
6	End of delivery (excluded)	End date of delivery	Date: dd/mm/yy	First day after the last delivery day. Example: for a delivery ending 12/31/2008 11:59pm, the mentioned date should be 01/01/2009
7	Power	Power in MW	Numerical (Integer numbers)	For a profile of variable delivery: maximum power throughout the period of delivery
8	Energy	Total energy delivered over the delivery period in MWh	Numerical (Integer numbers)	
9	Indexation source	Institution or organisation which has published the index used (ex: Platts)	Text (< 50 characters)	
10	Commodity	Reference commodity (or commodities list) for the indexation price	Text (< 50 characters)	

11	Intermediary	Negotiation intermediary	Text (< 50 characters)	<ul style="list-style-type: none"> - transaction concluded without any tierce intervention: "bilateral" - transaction concluded via a broker: broker's name : <ul style="list-style-type: none"> - "GFI" - "ICAP" - "SPECTRON" - "T PREBON" - "TFS" - "other"
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1.3. Optional contracts

Column Number	Title	Description	Format	If defined, possible values
1	Date	Date and hour of the transaction	Date: dd/mm/yy hh:mm	
2	Buyer		Text (< 50 characters)	Balancing responsible entity code attributed by RTE and used for nomination
3	Seller		Text (< 50 characters)	Balancing responsible entity code attributed by RTE and used for nomination
4	Type	Purchase or sale option	Text (< 50 characters)	- " call ": purchase option - " put ": sale option
5	Beginning of delivery	Beginning date of delivery	Date: dd/mm/yy	
6	End of delivery (excluded)	End date of delivery	Date: dd/mm/yy	First day after the last delivery day. Example: for a delivery ending 12/31/2008 11:59pm, the mentioned date should be 01/01/2009
7	Power	Power in MW	Numerical (Integer numbers)	For a variable strike power: maximum power throughout the period of validity of the option
8	Premium	Premium price (transaction price) in €/MW	Numeric (two decimals)	
9	Strike	Price for each delivered MWh (€/MWh)	Numeric (two decimals)	
10	Intermediary	Negotiation intermediary	Text (< 50 characters)	- transaction concluded without any tierce intervention: "bilateral" - transaction concluded via a broker: broker's name : - "GFI" - "ICAP" - "SPECTRON" - "T PREBON" - "TFS" - "other"

1.4. Locational Swap contracts

Column Number	Title	Description	Format	If defined, possible values
1	Date	Date and hour of the transaction	Date: dd/mm/yy hh:mm	
2	Buyer	Counterpart committed to withdraw energy in France	Text (< 50 characters)	Balancing responsible entity code attributed by RTE and used for nomination.
3	Seller	Counterpart committed to deliver energy in France	Text (< 50 characters)	Balancing responsible entity code attributed by RTE and used for nomination
4	Profile	Product delivery profile: baseload, peak, off-peak, bloc hours or other	Text (< 255 characters)	- " baseload ": baseload delivery i.e. 24h/24 7d/7 - " peak ": peak delivery i.e. from 8 a.m. to 8 p.m. during working days - " off-peak ": off-peak delivery i.e. from 8 p.m. to 8 a.m. during working days, Saturday and Sunday - " Hx-Hy ": from hour x to hour y; where x and y are integer numbers from 1 to 24 (y included in the delivery period) - " other ": other delivery profile
5	Beginning of delivery	Beginning date of delivery	Date: dd/mm/yy	
6	End of delivery (excluded)	End date of delivery	Date: dd/mm/yy	First day after the last delivery day. Example: for a delivery ending 12/31/2008 11:59pm, the mentioned date should be 01/01/2009
7	Power	Power in MW	Numerical (Integer numbers)	For a profile of variable delivery: maximum power throughout the period of delivery
8	Energy	Total energy delivered over the delivery period in MWh	Numerical (Integer numbers)	
9	Swap zone	Geographic market where energy is swapped with French energy	Text (< 50 characters)	Name of the market (ISO code for a country) where energy is swapped with French energy
10	Price	Price per MWh	Numeric (two decimals)	
11	Intermediary	Negotiation intermediary	Text (< 50 characters)	- transaction concluded without any tierce intervention: "bilateral"

				<ul style="list-style-type: none">- transaction concluded via a broker: broker's name :- "GFI"- "ICAP"- "SPECTRON"- "T PREBON"- "TFS"- "other"
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1.5. Other types of contracts

Column Number	Title	Description	Format	If defined, possible values
1	Date	Date and hour of the transaction	Date: dd/mm/yy hh:mm	
2	Buyer		Text (< 50 characters)	Balancing responsible entity code attributed by RTE and used for nomination
3	Seller		Text (< 50 characters)	Balancing responsible entity code attributed by RTE and used for nomination
4	Beginning of delivery	Beginning date of delivery	Date: dd/mm/yy	
5	End of delivery (excluded)	End date of delivery	Date: dd/mm/yy	First day after the last delivery day. Example: for a delivery ending 12/31/2008 11:59pm, the mentioned date should be 01/01/2009
6	Power	Power in MW	Numerical (Integer numbers)	For a profile of variable delivery: maximum power throughout the period of delivery
7	Energy	Total energy delivered over the delivery period in MWh	Numerical (Integer numbers)	
8	Intermediary	Negotiation intermediary	Text (< 50 characters)	- transaction concluded without any tierce intervention: "bilateral" - transaction concluded via a broker: broker's name : - "GFI" - "ICAP" - "SPECTRON" - "T PREBON" - "TFS" - "other"
9	Characteristics of the contract	Detailed description of the "atypical" contract	Text (< 255 characters)	Mention of any information useful for the type of contract designation

2. Transactions for delivery on the French wholesale gas market

It refers to the list of physically settled contracts concluded on the French wholesale gas market:

- whatever maturity they have (intraday, day-ahead, futures or forward);
- whether these contracts were concluded in a pure bilateral way or through brokers;
- excluding exchanges conducted contracts and contracts concluded with system operators GRTgaz, TIGF and GrDF.

Data will be provided by making the distinction between the following contract categories:

- firm contracts at fixed price;
- firm contracts at indexed price;
- optional contracts;
- locational swap contracts;
- other contracts (mixed or atypical products).

Data characteristics are as follow:

- *Identification of the transaction date (day and hour)*
- *Identification of the purchasing or selling company by its code of balancing responsible entity*
- *Indication of the type of delivery*
- *Indication of a possible intermediary (brokers)*
- *Indication of price components: energy price, indexation source, strike and premium price for options, clauses for specific prices and terms of use for atypical contracts*
- *Characteristics of the contract for atypical contracts*

2.1. Firm contracts with fixed prices

Column Number	Title	Description	Format	If defined, possible values
1	Date	Date and hour of the transaction	Date: dd/mm/yy hh:mm	
2	Buyer		Text (< 50 characters)	Shipper code attributed by GRTgaz or TIGF and used for nomination
3	Seller		Text (< 50 characters)	Shipper code attributed by GRTgaz or TIGF and used for nomination
4	Type of delivery	Terms of gas delivery	Text (< 50 characters)	- delivery at a Title Transfer Points (PEGs): "PEG" - delivery at a Transport Distribution Interface Point (PITD): "PITD" - delivery at a border Network Interconnection Points (PIR): PIR code: "IR0001": Larrau "IR0003": Biriadou "IR0006": Dunkerque "IR0010": Obergailbach "IR0011": Oltingue "IR0013": Quevy "IR0014": Blaregnies H "IR0015": Taisnieres B "IR0028": Audun-le-Tiche "IR0029": Ohain "IR0033": Schonenbuch "IR0037": Merschweiller" "IT0001": Fos "IT0002": Montoir
5	Delivery zone	Balancing zone where the gas is delivered		- "1": North B Zone - "4": South Zone - "5": East Zone - "6": North H Zone - "7": West Zone - "9": TIGF Zone
6	Beginning of delivery	Beginning date of delivery	Date: dd/mm/yy	
7	End of delivery (excluded)	End date of delivery	Date: dd/mm/yy	First day after the last delivery day. Example: for a delivery ending 12/31/2008 11:59pm, the mentioned date should be 01/01/2009
8	Daily quantity	Daily quantity in MWh	Numerical (Integer numbers)	For a profile of variable delivery: maximum daily quantity throughout the period of delivery
9	Energy	Total energy delivered over the	Numerical (Integer)	

		delivery period in MWh	numbers)	
10	Price	Price per MWh	Numeric (two decimals)	
11	Intermediary	Negotiation intermediary	Text (< 50 characters)	<ul style="list-style-type: none"> - transaction concluded without any tierce intervention: "bilateral" - transaction concluded via a broker: broker's name : <ul style="list-style-type: none"> - "GFI" - "ICAP" - "SPECTRON" - "T PREBON" - "TFS" - "other"

2.2. Firm contracts with indexed prices

Column Number	Title	Description	Format	If defined, possible values
1	Date	Date and hour of the transaction	Date: dd/mm/yy hh:mm	
2	Buyer		Text (< 50 characters)	Shipper code attributed by GRTgaz or TIGF and used for nomination
3	Seller		Text (< 50 characters)	Shipper code attributed by GRTgaz or TIGF and used for nomination
4	Type of delivery	Terms of gas delivery	Text (< 50 characters)	- delivery at a Title Transfer Points (PEGs): "PEG" - delivery at a Transport Distribution Interface Point (PITD): "PITD" - delivery at a border Network Interconnection Points (PIR): PIR code: "IR0001": Larrau "IR0003": Biriadou "IR0006": Dunkerque "IR0010": Obergailbach "IR0011": Oltingue "IR0013": Quevy "IR0014": Blaregnies H "IR0015": Taisnieres B "IR0028": Audun-le-Tiche "IR0029": Ohain "IR0033": Schonenbuch "IR0037": Merschweiller" "IT0001": Fos "IT0002": Montoir
5	Delivery zone	Balancing zone where the gas is delivered		- "1": North B Zone - "4": South Zone - "5": East Zone - "6": North H Zone - "7": West Zone - "9": TIGF Zone
6	Beginning of delivery	Beginning date of delivery	Date: dd/mm/yy	
7	End of delivery (excluded)	End date of delivery	Date: dd/mm/yy	First day after the last delivery day. Example: for a delivery ending 12/31/2008 11:59pm, the mentioned date should be 01/01/2009
8	Daily quantity	Daily quantity in MWh	Numerical (Integer numbers)	For a profile of variable delivery: maximum daily quantity throughout the period of delivery
9	Energy	Total energy delivered over the	Numerical (Integer	

		delivery period in MWh	numbers)	
10	Indexation source	Institution or organisation which has published the index used (ex: Platts)	Text (< 50 characters)	
11	Commodity	Reference commodity (or commodities list) for the indexation price	Text (< 50 characters)	
12	Intermediary	Negotiation intermediary	Text (< 50 characters)	<ul style="list-style-type: none"> - transaction concluded without any tierce intervention: "bilateral" - transaction concluded via a broker: broker's name : <ul style="list-style-type: none"> - "GFI" - "ICAP" - "SPECTRON" - "T PREBON" - "TFS" - "other"

2.3. Optional contracts

Column Number	Title	Description	Format	If defined, possible values
1	Date	Date and hour of the transaction	Date: dd/mm/yy hh:mm	
2	Buyer		Text (< 50 characters)	Shipper code attributed by GRTgaz or TIGF and used for nomination
3	Seller		Text (< 50 characters)	Shipper code attributed by GRTgaz or TIGF and used for nomination
4	Type	Purchase or sale option	Text (< 50 characters)	- " call ": purchase option - " put ": sale option
5	Type of delivery	Terms of gas delivery	Text (< 50 characters)	- delivery at a Title Transfer Points (PEGs): "PEG" - delivery at a Transport Distribution Interface Point (PITD): "PITD" - delivery at a border Network Interconnection Points (PIR): PIR code: "IR0001": Larrau "IR0003": Biriadou "IR0006": Dunkerque "IR0010": Obergailbach "IR0011": Oltingue "IR0013": Quevy "IR0014": Blaregnies H "IR0015": Taisnieres B "IR0028": Audun-le-Tiche "IR0029": Ohain "IR0033": Schonenbuch "IR0037": Merschweiller" "IT0001": Fos "IT0002": Montoir
6	Delivery zone	Balancing zone where the gas is delivered	Text (< 255 characters)	- "1": North B Zone - "4": South Zone - "5": East Zone - "6": North H Zone - "7": West Zone - "9": TIGF Zone
7	Beginning of delivery	Beginning date of delivery	Date: dd/mm/yy	
8	End of delivery (excluded)	End date of delivery	Date: dd/mm/yy	First day after the last delivery day. Example: for a delivery ending 12/31/2008 11:59pm, the mentioned date should be 01/01/2009
9	Daily quantity	Daily quantity in MWh	Numerical (Integer numbers)	For a profile of variable delivery: maximum daily quantity throughout the period of delivery

10	Premium	Premium price (transaction price) in €/MWh.day	Numeric (two decimals)	
11	Strike	Price for each delivered MWh (€/MWh)	Numeric (two decimals)	
12	Intermediary	Negotiation intermediary	Text (< 50 characters)	<ul style="list-style-type: none"> - transaction concluded without any tierce intervention: "bilateral" - transaction concluded via a broker: broker's name : <ul style="list-style-type: none"> - "GFI" - "ICAP" - "SPECTRON" - "T PREBON" - "TFS" - "other"

2.4. Locational Swap contracts

Column Number	Title	Description	Format	If defined, possible values
1	Date	Date and hour of the transaction	Date: dd/mm/yy hh:mm	
2	Buyer	Counterpart committed to withdraw energy in France	Text (< 50 characters)	Shipper code attributed by GRTgaz or TIGF and used for nomination
3	Seller	Counterpart committed to deliver energy in France	Text (< 50 characters)	Shipper code attributed by GRTgaz or TIGF and used for nomination
4	Type of delivery	Terms of gas delivery	Text (< 50 characters)	<ul style="list-style-type: none"> - delivery at a Title Transfer Points (PEGs): "PEG" - delivery at a Transport Distribution Interface Point (PITD): "PITD" - delivery at a border Network Interconnection Points (PIR): PIR code: "IR0001": Larrau "IR0003": Biriadou "IR0006": Dunkerque "IR0010": Obergailbach "IR0011": Oltingue "IR0013": Quevy "IR0014": Blaregnies H "IR0015": Taisnieres B "IR0028": Audun-le-Tiche "IR0029": Ohain "IR0033": Schonenbuch "IR0037": Merschweiller" "IT0001": Fos "IT0002": Montoir
5	Delivery zone	Balancing zone where the gas is delivered		<ul style="list-style-type: none"> - "1": North B Zone - "4": South Zone - "5": East Zone - "6": North H Zone - "7": West Zone - "9": TIGF Zone
6	Beginning of delivery	Beginning date of delivery	Date: dd/mm/yy	
7	End of delivery (excluded)	End date of delivery	Date: dd/mm/yy	First day after the last delivery day. Example: for a delivery ending 12/31/2008 11:59pm, the mentioned date should be 01/01/2009
8	Daily quantity	Daily quantity in	Numerical	For a profile of variable

		MWh	(Integer numbers)	delivery: maximum daily quantity throughout the period of delivery
9	Energy	Total energy delivered over the delivery period in MWh	Numerical (Integer numbers)	
10	Swap zone	Geographic market where energy is swapped with French energy	Text (< 50 characters)	Name of the market (ISO code for a country) where energy is swapped with French energy. For a swap between two French balancing zones : code of the delivery zone, following the same rules as in above field #5
11	Price	Price per MWh	Numeric (two decimals)	
12	Intermediary	Negotiation intermediary	Text (< 50 characters)	<ul style="list-style-type: none"> - transaction concluded without any tierce intervention: "bilateral" - transaction concluded via a broker: broker's name : <ul style="list-style-type: none"> - "GFI" - "ICAP" - "SPECTRON" - "T PREBON" - "TFS" - "other"

2.5. Other types of contracts

Column Number	Title	Description	Format	If defined, possible values
1	Date	Date and hour of the transaction	Date: dd/mm/yy hh:mm	
2	Buyer		Text (< 50 characters)	Shipper code attributed by GRTgaz or TIGF and used for nomination
3	Seller		Text (< 50 characters)	Shipper code attributed by GRTgaz or TIGF and used for nomination
4	Type of delivery	Terms of gas delivery	Text (< 50 characters)	- delivery at a Title Transfer Points (PEGs): "PEG" - delivery at a Transport Distribution Interface Point (PITD): "PITD" - delivery at a border Network Interconnection Points (PIR): PIR code: "IR0001": Larrau "IR0003": Biriadou "IR0006": Dunkerque "IR0010": Obergailbach "IR0011": Oltingue "IR0013": Quevy "IR0014": Blaregnies H "IR0015": Taisnieres B "IR0028": Audun-le-Tiche "IR0029": Ohain "IR0033": Schonenbuch "IR0037": Merschweiller" "IT0001": Fos "IT0002": Montoir
5	Delivery zone	Balancing zone where the gas is delivered	Text (< 255 characters)	- "1": North B Zone - "4": South Zone - "5": East Zone - "6": North H Zone - "7": West Zone - "9": TIGF Zone
6	Beginning of delivery	Beginning date of delivery	Date: dd/mm/yy	
7	End of delivery (excluded)	End date of delivery	Date: dd/mm/yy	First day after the last delivery day. Example: for a delivery ending 12/31/2008 11:59pm, the mentioned date should be 01/01/2009
8	Daily quantity	Daily quantity in MWh	Numerical (Integer numbers)	For a profile of variable delivery: maximum daily quantity throughout the period of delivery

9	Intermediary	Negotiation intermediary	Text (< 50 characters)	- transaction concluded without any tierce intervention: "bilateral" - transaction concluded via a broker: broker's name : - "GFI" - "ICAP" - "SPECTRON" - "T PREBON" - "TFS" - "other"
10	Characteristics of the contract	Detailed description of the "atypical" contract	Text (< 255 characters)	Mention any information useful for the type of contract designation

3. Terms of data transmission

3.1. File construction rules

Files will be transmitted under CSV format (Coma Separated Value) with fields separated with a coma and decimals separated with a dot; all textual fields will not contain any quotation marks. No row of the file can be identical to another in all points.

3.2. Nomenclature

For the month MM of the year YYYY, “Emet” company will have to name transmitted files as follows:

- For Transaction/Firm electricity at fixed price contract files (cf. page 1):
Trans_Elec_prix fixes_Emet_YYYYMM.csv
- For Transaction/Firm electricity at indexed price contract files (cf. page 2):
Trans_Elec_prix variables_Emet_YYYYMM.csv
- For Transaction/Optional Electricity contract files (cf. page 3):
Trans_Elec_options_Emet_YYYYMM.csv
- For Transaction/Swap Electricity contract files (cf. page 4):
Trans_Elec_swap_Emet_YYYYMM.csv
- For Transaction /Other type of electricity contract (cf. page 6):
Trans_Elec_autres_Emet_YYYYMM.csv
- For Transaction/Firm gas at fixed price contract files (cf. page 8)
Trans_Gas_prix fixes_Emet_YYYYMM.csv
- For Transaction/Firm gas at indexed price contract files (cf. page 9)
Trans_Gas_prix variables_Emet_YYYYMM.csv
- For Transaction/Optional gas contract files (cf. page 10):
Trans_Gas_options_Emet_YYYYMM.csv
- For Transaction/swap gas contract files (cf. page 11):
Trans_Gas_swap_Emet_YYYYMM.csv
- For Transaction/Other types of gas contract files (cf. page 13):
Trans_Gas_autres_Emet_YYYYMM.csv

3.3. Date standardization

For standardization purposes, all dates in the files have to be mentioned under the CET standard: *Central European Time* (also French hour)

3.4. Data transmission to CRE

Requested files have to be sent by e-mail to the following e-mail address:

surveillance@cre.fr

E-mails shall not exceed unit size of 6 MB.

Every company requesting for implementation of secure transmission can use Security Box's attached document encryption service qualified by the French state and adopted by CRE for such cases. Encryption is performed by a public key system provided by CRE to the related company. Should a company be interested in this kind of transmission, it has to make first its request to the following e-mail address:

surveillance@cre.fr