EPEX SPOT SFTP server file specifications

The purpose of this document is to show the location of the relevant EPEX SPOT data files on the new EPEX SPOT SFTP server upon its launch.

The availability of the data described depends on the subscriptions taken. For more information, please contact your market data team at marketdata.sales@epexspot.com.

1 Available data

Please find below the list of available market data.

Market Area	Segment	Product	Update interval
Germany	Day-Ahead Auction (current year Y)	▪ DE-LU day-ahead auction results ▪ Aggregated curves ▪ Block bids ▪ Phelix DE/AT	Upon publication
	Day-Ahead Auction (Y-1 and beyond)	▪ Historical auction results, aggregated curves, block bid and index data ▪ DE-AT day-ahead auction results, aggregated curves and block bids	
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day
	Intraday Continuous (Y-1 and beyond)	▪ Historical intraday trades, aggregated results and indices ▪ DE-AT trade data	
	Intraday Auction (Current year Y)	▪ 15-call DE auction ▪ Aggregated curves	Upon publication
	Intraday Auction (Current year Y)	▪ 15-call DE auction ▪ Aggregated curves	End-of-Day
	Intraday Auction (Y-1 and beyond)	▪ Historical 15-call DE auction and aggregated curves data	
France	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Day-Ahead Auction (Y-1 and beyond)	▪ Historical auction results, aggregated curves, block bid and index data	
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results	End-of-Day

Market Area	Segment	Product	Update interval
		▪ Indices	
	Intraday Continuous (Y-1 and beyond)	▪ Historical intraday trades, aggregated results and indices	
	Capacity market	▪ Capacity market volumes ▪ Capacity market prices ▪ Capacity market aggregated curves	Upon publication
Switzerland	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Day-Ahead Auction (Y-1 and beyond)	▪ Historical auction results, aggregated curves, block bid and index data	
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day
	Intraday Continuous (Y-1 and beyond)	▪ Historical intraday trades, aggregated results and indices	
	Intraday Auction (Current year Y)	▪ CH IDA1 and CH IDA2 auction results ▪ Aggregated curves	Upon publication
	Intraday Auction (Current year Y)	▪ CH IDA1 and CH IDA2 auction results ▪ Aggregated curves	End-of-Day
	Intraday Auction (Y-1 and beyond)	▪ Historical CH IDA1 and CH IDA2 auction results, and aggregated curves data	
Austria	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Day-Ahead Auction (Y-1 and beyond)	▪ Historical auction results, aggregated curves, block bid and index data	
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day

Market Area	Segment	Product	Update interval
	Intraday Continuous (Y-1 and beyond)	▪ Historical intraday trades, aggregated results and indices	
Belgium	Day-Ahead Auction	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous	▪ Transactions ▪ Indices	End-of-Day
Netherlands	Day-Ahead Auction	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous	▪ Transactions ▪ Indices	End-of-Day
Great Britain	Day-Ahead Auction	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous	▪ Transactions	End-of-Day
	Intraday Auction	▪ GB IDA1 and GB IDA2 auction results ▪ Aggregated curves	End-of-Day
	Daily Reference Price	▪ RPD HH Only ▪ RPD HH 1H 2H 4H	End-of-Day
Denmark 1	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day
Denmark 2	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day
Finland	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay

Market Area	Segment	Product	Update interval
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day
Norway 1	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day
Norway 2	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day
Norway 3	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day
Norway 4	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day
Norway 5	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results	End-of-Day

Market Area	Segment	Product	Update interval
		▪ Indices	
Sweden 1	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day
Sweden 2	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day
Sweden 3	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day
Sweden 4	Day-Ahead Auction (current year Y)	▪ Day-ahead auction results ▪ Aggregated curves ▪ Block bids	Upon publication
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	20-minute delay
	Intraday Continuous (current year Y)	▪ Transactions ▪ Results ▪ Indices	End-of-Day
CZC and Flows	Britned	▪ Flows ▪ CZC	Upon publication
	Nordic	▪ Flows or CZC	Upon publication

2 Data distribution support : SFTP server

2.1 Requirements

The technical requirements are:

- An Internet connection
- An ftp client application such as Filezilla (https://filezilla-project.org/) or WinSCP (https://winscp.net/eng/download.php) as a standalone application to download the requested market data files.

The access is attributed by the EPEX Spot market data department. The privileges depend on the type of subscription. In all cases, access is granted on a "***read only***" basis.

2.2 Connection

- Sftp client application host name: **ftp.epexspot.com**
- External IP address: 195.254.158.152 (it is recommended to use the host name **ftp.epexspot.com** in order to avoid any impact if the IP address changes again in the future)
- File protocol: **sftp**
- Port: **22**

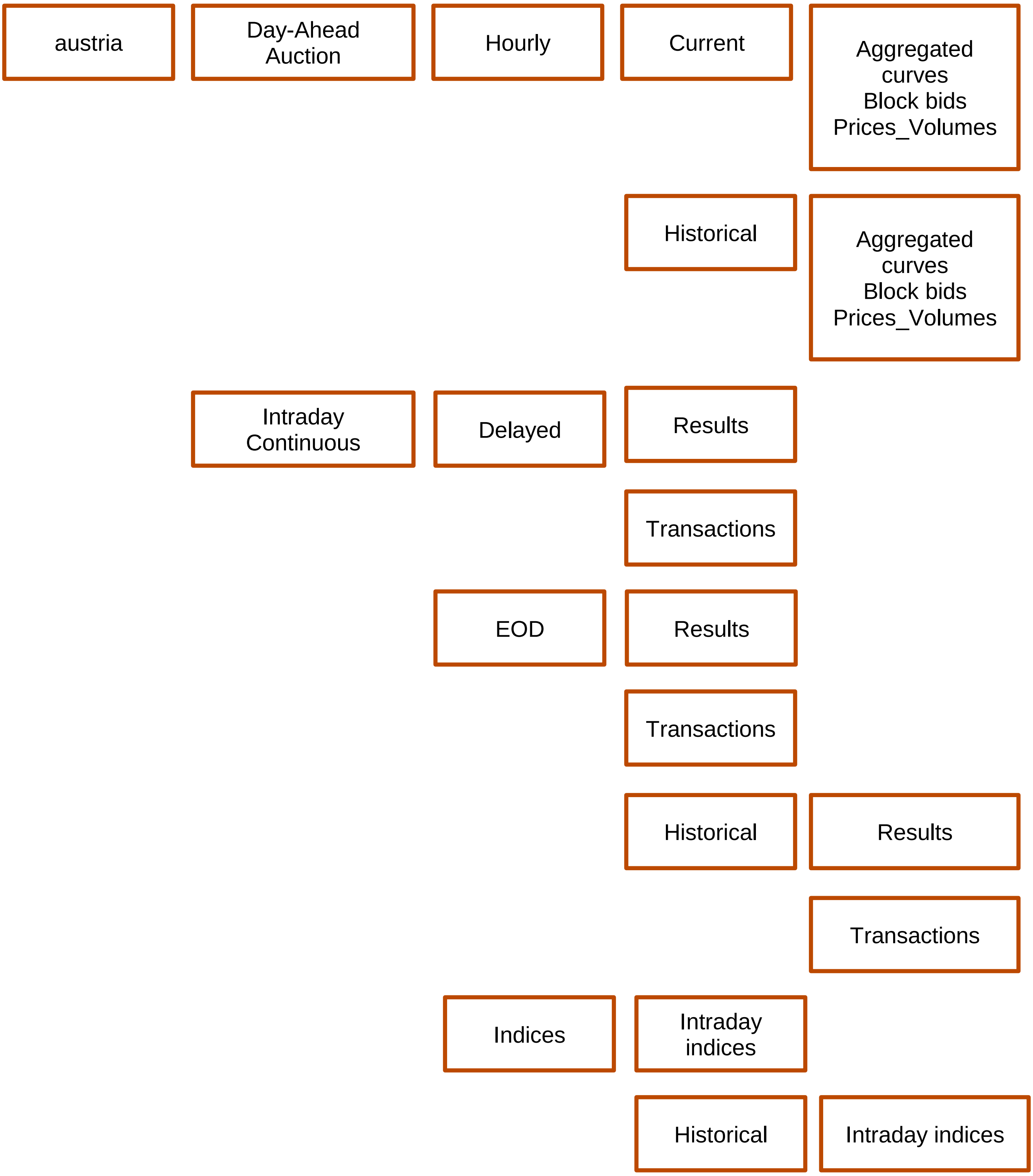
2.3 Folder Structure

The EPEX SPOT files are stored in the folder **/<market area>/.**

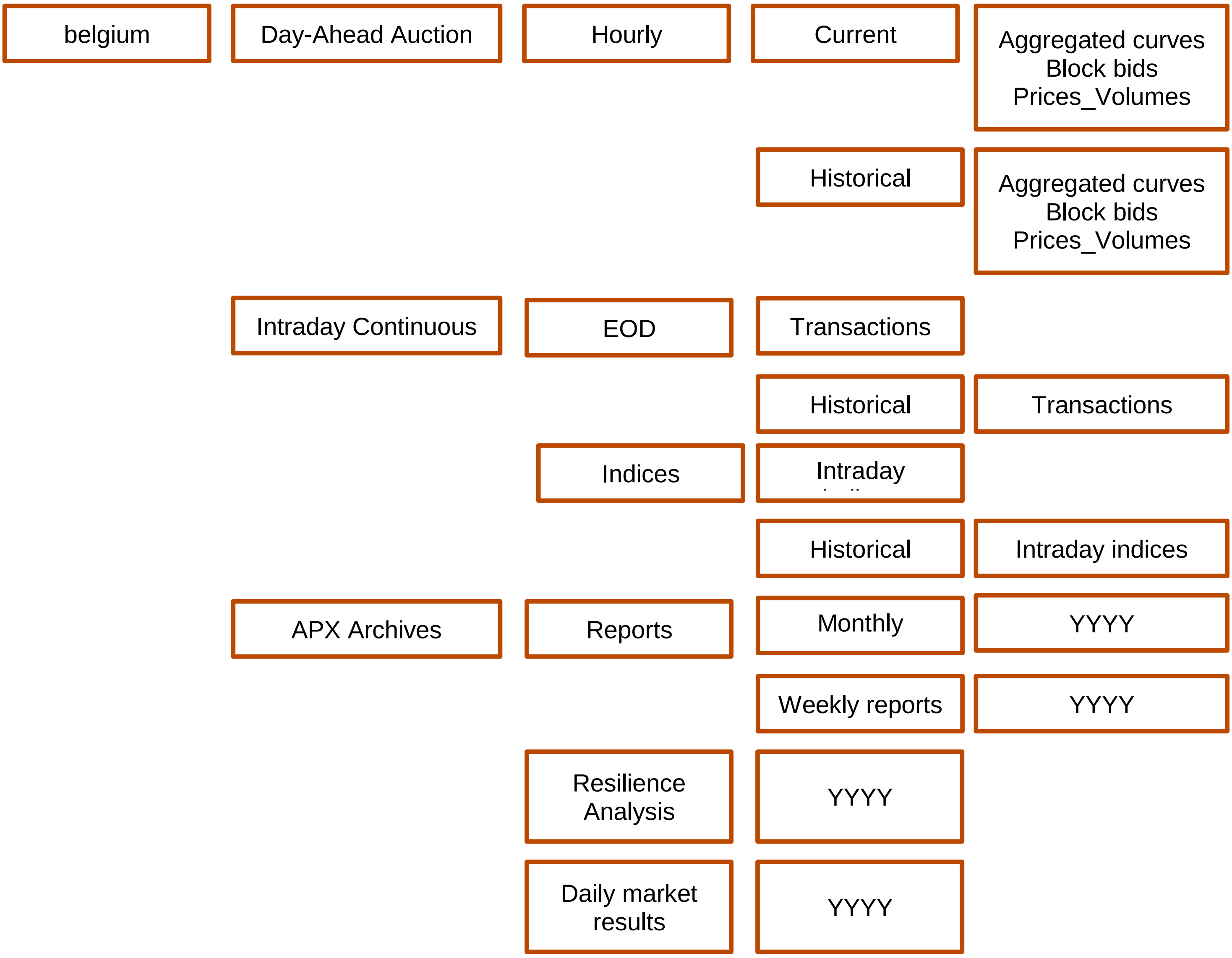
The following table shows the folder structure on the sftp server:

czc_and_flows	CZC	Nordic	YYYY	MM
		Britned	YYYY	MM
	Flows	Britned	YYYY	MM

AUSTRIA


austria
Day-Ahead Auction
Hourly
Current
Aggregated curves
Block bids
Prices_Volumes
Historical
Aggregated curves
Block bids
Prices_Volumes
Intraday Continuous
Delayed
Results
Transactions
EOD
Results
Transactions
Historical
Results
Transactions
Indices
Intraday indices
Historical
Intraday indices

BELGIUM

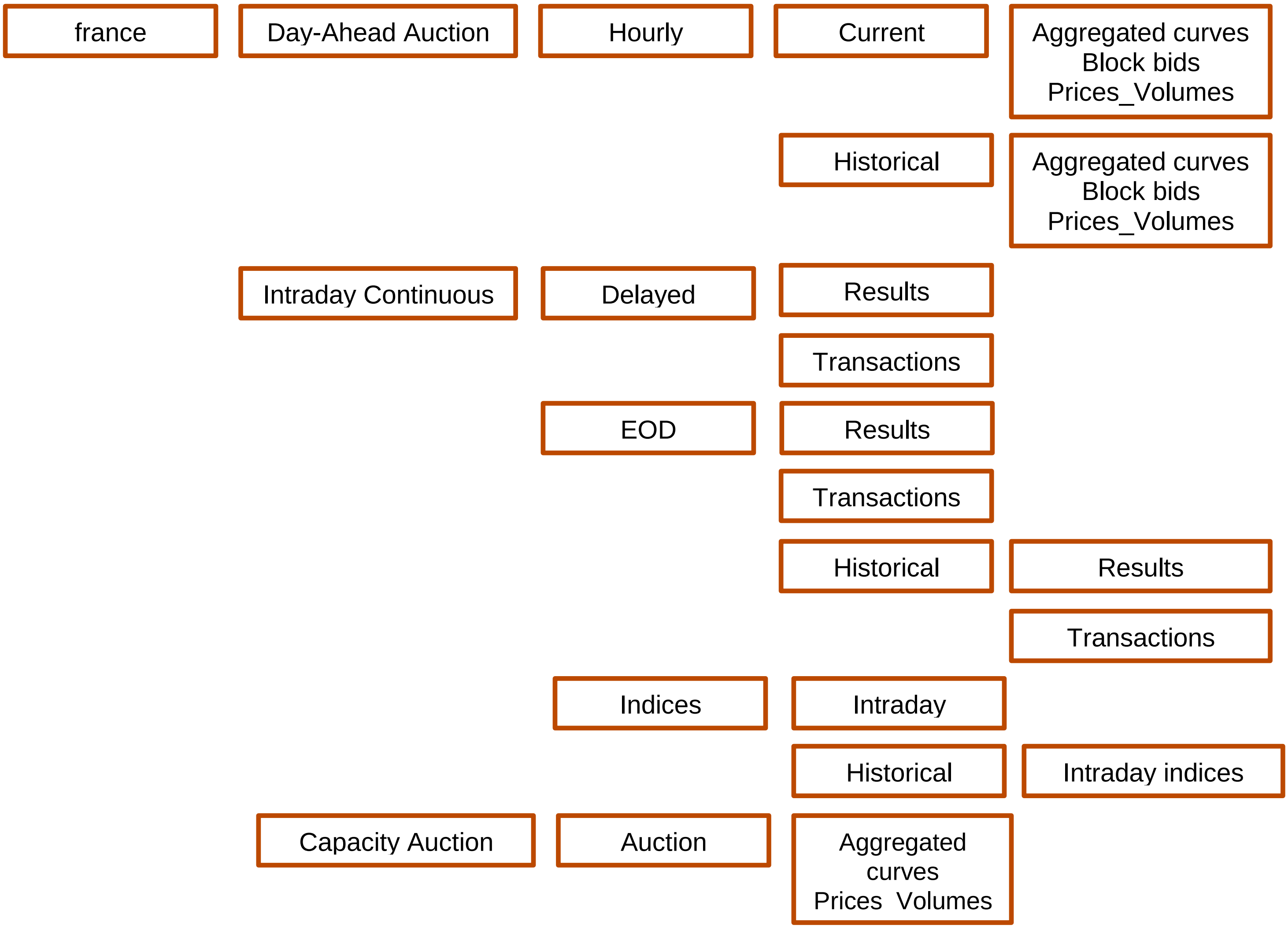

belgium
Day-Ahead Auction
Hourly
Current
Aggregated curves
Block bids
Prices_Volumes
Historical
Aggregated curves
Block bids
Prices_Volumes
Intraday Continuous
EOD
Transactions
Historical
Transactions
Indices
Intraday
Historical
Intraday indices
APX Archives
Reports
Monthly
YYYY
Weekly reports
YYYY
Resilience Analysis
YYYY
Daily market results
YYYY

DENMARK

- denmark 1
- denmark 2
  - Day-Ahead Auction
    - Hourly
      - Current
        - Prices Volumes
      - Historical
        - Prices_Volumes
  - Intraday Continuous
    - Delayed
      - Results
      - Transactions
    - EOD
      - Results
      - Transactions
      - Historical
        - Results
        - Transactions
    - Indices
      - Intraday
      - Historical
        - Results

- finland
  - Day-Ahead Auction
    - Hourly
      - Current
        - Prices Volumes
      - Historical
        - Prices Volumes
  - Intraday
    - Delayed
      - Results
      - Transactions
    - EOD
      - Results
      - Transactions
      - Historical
        - Results
        - Transactions
    - Indices
      - Intraday
      - Historical
        - Results

FRANCE

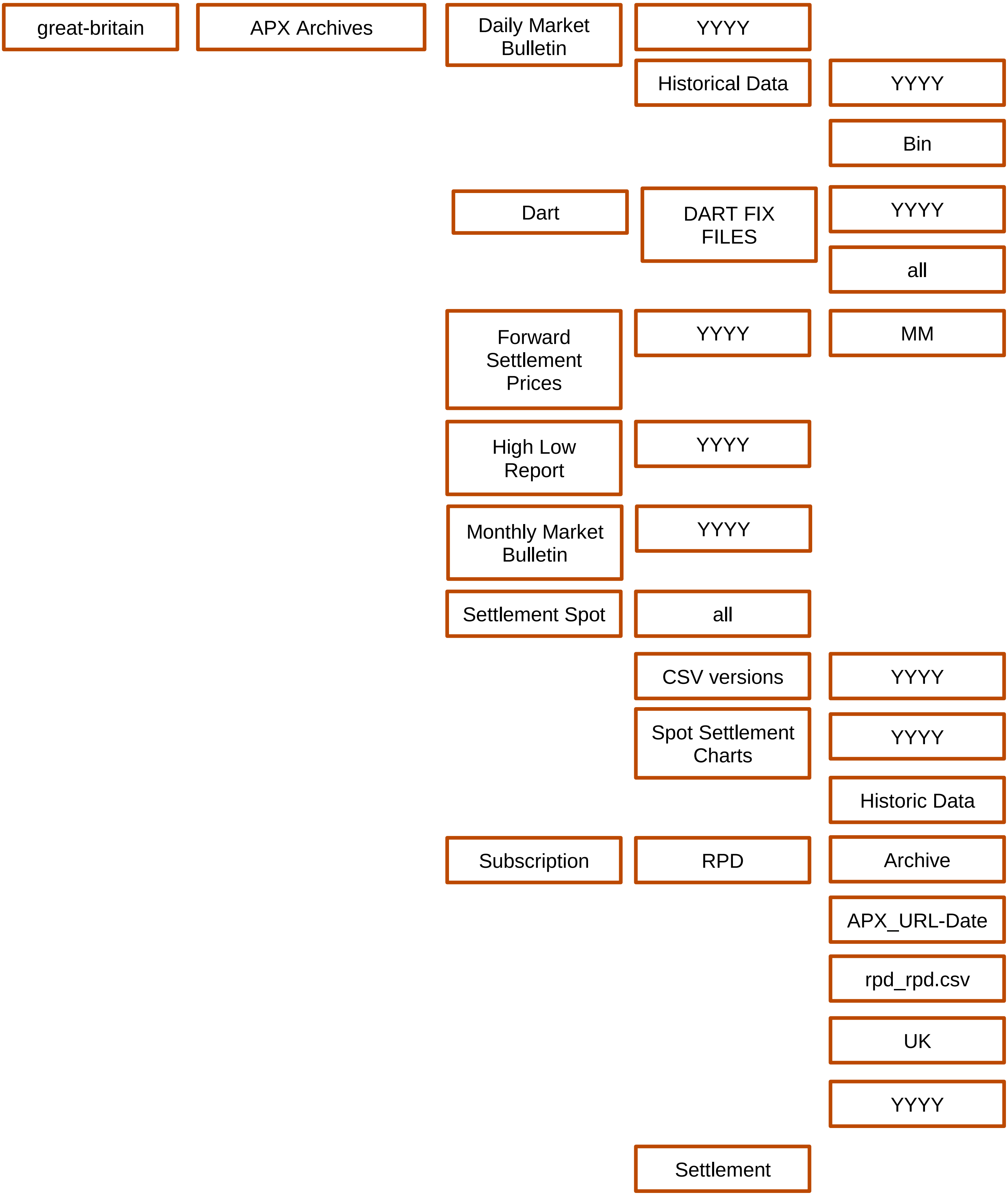

france
Day-Ahead Auction
Hourly
Current
Aggregated curves
Block bids
Prices_Volumes
Historical
Aggregated curves
Block bids
Prices_Volumes
Intraday Continuous
Delayed
Results
Transactions
EOD
Results
Transactions
Historical
Results
Transactions
Indices
Intraday
Historical
Intraday indices
Capacity Auction
Auction
Aggregated curves
Prices Volumes

GERMANY

- germany
  - DE-LU Day-Ahead
    - Hourly
      - Current
        - Aggregated curves
        - Block bids
        - Prices_Volumes
      - Historical
        - Aggregated curves
        - Block bids
        - Prices_Volumes
  - DE Intraday Auction
    - 15-call DE
      - Current
        - Aggregated curves
        - Block bids
        - Prices_Volumes
      - Historical
        - Aggregated curves
        - Block bids
        - Prices_Volumes
  - Intraday Continuous
    - Delayed
      - Results
      - Transactions
    - EOD
      - Results
      - Transactions
      - Historical
        - Results
        - Transactions
    - Indices
      - Intraday
      - Historical
        - Intraday indices
  - DE-AT Day-Ahead
    - Aggregated curves
    - Block bids
    - Hourly
  - Phelix
    - Prices_Volumes
    - Historical
      - Prices_Volumes

GREAT-BRITAIN

great-britain	Day-Ahead Auction	Hourly	Current	Aggregated curves Block bids Prices_Volumes
			Historical	Aggregated curves Block bids Prices_Volumes
		Half-hourly	Current	Aggregated curves Block bids Prices_Volumes
			Historical	Aggregated curves Block bids Prices_Volumes
	Intraday Auction	GB 30min IDM Auction D	Current	Prices_Volumes
			Historical	Prices_Volumes
		GB 30min IDM Auction D-1	Current	Prices_Volumes
			Historical	Prices_Volumes
	Intraday Continuous	EOD	Transactions	
			Historical	Transactions
		Indices	RPD HH 1H 2H 4H	
			RPD HH Only	


great-britain
APX Archives
Daily Market Bulletin
YYYY
Historical Data
YYYY
Bin
Dart
DART FIX FILES
YYYY
all
Forward Settlement Prices
YYYY
MM
High Low Report
YYYY
Monthly Market Bulletin
YYYY
Settlement Spot
all
CSV versions
YYYY
Spot Settlement Charts
YYYY
Historic Data
Subscription
RPD
Archive
APX_URL-Date
rpd_rpd.csv
UK
YYYY
Settlement

THE NETHERLANDS

netherlands	Day-Ahead Auction	Hourly	Current	Aggregated curves Block bids Prices_Volumes
			Historical	Aggregated curves Block bids Prices_Volumes
	Intraday Continuous	EOD	Transactions	
			Historical	Transactions
		Indices	Intraday	
			Historical	Intraday indices
	APX Archives	Charts	YYYY	
		Reports	Monthly	YYYY
				Indices summary
			Weekly reports	YYYY
		Resilience Analysis	YYYY	
		Strips Market	Historical data	
		Daily market results	YYYY	

NORWAY

- norway 1
- norway 2
- norway 3
- norway 4
- norway 5
  - Day-Ahead Auction
    - Hourly
      - Current
        - Prices_Volumes
      - Historical
        - Prices_Volumes
  - Intraday Continuous
    - Delayed
      - Results
      - Transactions
    - EOD
      - Results
      - Transactions
      - Historical
        - Results
        - Transactions
    - Indices
      - Intraday
      - Historical
        - Results

- sweden 1
- sweden 2
- sweden 3
- sweden 4
  - Day-Ahead Auction
    - Hourly
      - Current
        - Prices_Volumes
      - Historical
        - Prices_Volumes
  - Intraday Continuous
    - Delayed
      - Results
      - Transactions
    - EOD
      - Results
      - Transactions
      - Historical
        - Results
        - Transactions
    - Indices
      - Intraday
      - Historical
        - Results

SWITZERLAND

- switzerland
  - Day-Ahead Auction
    - Hourly
      - Current
        - Aggregated curves Block bids
      - Historical
        - Aggregated curves Block bids
  - Intraday Auction
    - CH IDA1
      - Current
        - Aggregated curves Block bids
      - Historical
        - Aggregated curves Block bids
    - CH IDA2
      - Current
        - Aggregated curves Block bids
      - Historical
        - Aggregated curves Block bids
  - Intraday
    - Delayed
      - Results
      - Transactions
    - EOD
      - Results
      - Transactions
      - Historical
        - Results
        - Transactions
    - Indices
      - Intraday
      - Historical
        - Intraday indices

2.4 Discontinuation of files

The following files will be discontinued on the sftp server as they were generated through a legacy process. The data contained in these files are also available in other existing files.

- Belgium:
  - Day-Ahead Market: daily market results (Belpex Daily Report YYYYMMDD.xls)
  - Legacy reports (Resilience analysis files, monthly and weekly reports) which have not been generated in the past few years will be stored in an APX Archives folder on the sftp server
  - All volume units are in MWh instead of MW
- Netherlands:
  - Day-Ahead Market: daily market results (APX Daily Report YYYYMMDD.xls)
  - Legacy reports (Charts, monthly and weekly reports, strips market files) which have not been generated in the past few years will be stored in an APX Archives folder on the sftp server
  - All volume units are in MWh instead of MW
- UK:
  - Legacy reports (Dart, Forward settlement prices, daily market bulletin, settlement spot, monthly market bulletin) which have not been generated in the past few years will be stored in an APX Archives folder on the sftp server
  - All volume units are in MWh instead of MW
- FR, CH, AT:
  - The files **auction_spot_volumes_<market area>.csv** and **auction_spot_prices_<market area>.csv** are no longer generated. The exact same information can be found in the files auction_spot_volumes_<market area>_2020.csv and auction_spot_prices_<market area>_2020.csv
- DE, FR, CH, AT:
  - ELIX is no longer calculated and published
  - All volume units are in MWh instead of MW

2.5 File Description

Please note that all files are in csv format. **Excel files are no longer generated.** The exceptions are the CZC and Flows files described later. All volume units are in MWh instead of MW

1.1.1 Day-Ahead Auction results:

- **Volumes**

Name	auction_spot_volumes_market area_YYYY.csv
Format	csv
	/<market area>/Day-Ahead Auction/Hourly/Current/Prices_Volumes/ (Current year Y files are located in this folder, Y-1 and beyond files are located in /<market area>/Day-Ahead Auction/Hourly/Historical/Prices_Volumes/)
Update	Approx. 13:00 CET/CEST everyday

Line 1: # [date] [HH:MM:ss AM/PM] UTC: Volumes - EPEX Spot Market Auction – [market area]

Column description:

Header	*Content and format*
Delivery Day	Date: DD/MM/YYYY
Hour 1 to Hour 24 (for GB 30 min: Hour 1 Q1, Hour 1 Q2, Hour 2 Q1, Hour 2 Q2, etc.)	Volume: number, one decimal (unit: MWh) Hour 3A and Hour 3B are used for Summer and Winter clock change (no value in 3A and 3B for Summer clock change, value in 3A and 3B for Winter clock change).
Total volume	Volume: number, one decimal Sum of volumes of Hour 1 to Hour 24

- **Prices**

Name	auction_spot_prices_market area_YYYY.csv
Format	csv
	/<market area>/Day-Ahead Auction/Hourly/Current/Prices_Volumes/ (Current year Y files are located in this folder, Y-1 and beyond files are located in /<market area>/Day-Ahead Auction/Hourly/Historical/Prices_Volumes/)
Update	Approx. 13:00 CET/CEST everyday

Line 1: # [date] [HH:MM:ss AM/PM] UTC: Prices - EPEX Spot Market Auction – [market area] – Currency: EUR

Column description:

Header	*Content and format*
Hour1	Price value for 00:00 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2	Price value for 01:00 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour3A	Price value for 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3B	Price value for 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two

Header	*Content and format*
	decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
Hour4	Price value for 03:00 to 04:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
..	
Hour24	Price value for 23:00 to 24:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Maximum	Maximum price, two decimals.
Minimum	Minimum price, two decimals.
Volume Weighted Average (not GB)	Average price weighted by the volume, two decimals.
Middle Night (01-04) (not GB)	Average hourly price for block including Hours 1 to 4, two decimals.
Early Morning (05-08) (not GB)	Average hourly price for block including Hours 5 to 8, two decimals.
Late Morning (09-12) (not GB)	Average hourly price for block including Hours 9 to 12, two decimals.
Early afternoon (13-16) (not GB)	Average hourly price for block including Hours 13 to 16, two decimals.
Rush Hour (17-20) (not GB)	Average hourly price for block including Hours 17 to 20, two decimals.
Off-Peak 2 (21-24) (not GB)	Average hourly price for block including Hours 21 to 24, two decimals.
Baseload (1-24)	Average hourly price for the 24 hours of the day, two decimals.
Peakload (9-20)	Average hourly price for block including Hours 9 to 20, two decimals.
Night (01-06) (not GB)	Average hourly price for block including Hours 1 to 6, two decimals.
Off-Peak 1 (01-08) (not GB)	Average hourly price for block including Hours 1 to 8, two decimals.
Business Hours (09-16) (not GB)	Average hourly price for block including Hours 9 to 16, two decimals.
Off-Peak (01-08 & 21-24)	Average hourly price for block including Hours 1 to 8 (OP1) and 21 to 24 (OP2), two decimals.
Morning (07-10) (not GB)	Average hourly price for block including Hours 7 to 10, two decimals.
High Noon (11-14) (not GB)	Average hourly price for block including Hours 11 to 14, two decimals.
Afternoon (15-18) (not GB)	Average hourly price for block including Hours 15 to 18, two decimals.
Evening (19-24) (not GB)	Average hourly price for block including Hours 19 to 24, two decimals.

- **Aggregated curves:**

Name	auction_aggregated_curves_<market area>_YYYYMMDD.csv
Format	csv
Location	/<market area>/Day-Ahead Auction/Hourly/Current/Aggregated curves/ (Current year Y files are located in this folder, Y-1 and beyond files are located in /<market area>/Day-Ahead Auction/Hourly/Historical/Aggregated curves/)
Update	Approx. 13:00 CET/CEST everyday

Line 1: # [date] [HH:MM:ss AM/PM] UTC: Aggregated Curves - EPEX Spot Market Auction – [market area]

Column description:

Header	*Content and format*
Delivery Day	Date: DD/MM/YYYY
Week	Number: no decimal Week number in the year
Week Day	Number: no decimal Day number in the week
Hour	Number: no decimal
Price	Number: 2 decimals Unit: Euro/MWh (Pounds/MWh in GB)
Volume	Number: 1 decimal Unit: MWh
Sale/Purchase	Text: sell or purchase

- **Block bids:**

Name	bbof_<market area>_YYYYMMDD.csv
Format	csv

Line 1: # trading date (DD.MM.YYYY) Daily Manual Auction Block Bids

Column description*:*

Header	*Content and format*
Data type	ST = status BB = Block Bids AL = number of lines
Delivery Date	DD.MM.YYYY
Block ID	Unique ID number per block
Block Type	Type of block: C01: normal block, C02: linked block, C04: exclusive group block
Block Code PRM	Number
Execution	Y or N – indicates if a block bid has been executed or not
Currency	Euros
Limit Price	Market price,one decimal
Creation Time	HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) CET (IN WINTER)/CEST (IN

Header	*Content and format*
	SUMMER)– indicates the time when the file is created
Creation Date	DD.MM.YYYY – indicates the day when the file is created
Volume H01	Volume bid for Hour 1 (00:00-01:00), one decimal.
Volume H02	Volume bid for Hour 2 (01:00-02:00), one decimal.
Volume H03A	Volume bid for Hour 3 (02:00-03:00), one decimal. Field is empty for switch to summer time (DST – Daylight Saving Time)
Volume H03B	Volume bid for Hour 3 (02:00-03:00), one decimal. Field is filled for switch to winter time (DST – Daylight Saving Time)
Volume H04	Volume bid for Hour 4 (03:00-04:00), one decimal.
..	
Volume H24	Volume bid for Hour 24 (23:00-24:00), one decimal.

Intraday Auction Results:

Germany:

The 15-minute call auction on the German Intraday market takes place daily at 3 pm, before the opening of the continuous Intraday market for 15-minute contracts (4 pm) and it covers the 15-minute contracts for the next calendar day from midnight on.

- **Prices**

Name	intraday_auction_spot_prices_15-call_germany_YYYY.csv
Format	csv
Location	/<market area>/DE Intraday Auction/15 call DE auction/Current/Prices_Volumes/ (Current year Y files are located in this folder, Y-1 and beyond files are located in /<market area>/ DE Intraday Auction/15 call DE auction/Historical/Prices_Volumes/
Update	Approx. 15:20 CET/CEST everyday

Line 1: # [DD/MM/YYYY] [HH:MM:ss AM/PM] UTC: Prices - EPEX Intraday Market Auction – 15-call_germany – Currency: EUR

Header	*Content and format*
Delivery day	DD/MM/YYYY
Hour1Q1	Price value for 00:00 to 00:15 CET (IN WINTER)/CEST (IN SUMMER), two decimals.

Header	*Content and format*
Hour1Q2	Price value for 00:15 to 00:30 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q3	Price value for 00:30 to 00:45 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q4	Price value for 00:45 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q1	Price value for 01:00 to 01:15 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q2	Price value for 01:15 to 01:30 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q3	Price value for 01:30 to 01:45 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q4	Price value for 01:45 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour3AQ1 – Hour3AQ2 – Hour3AQ3 – Hour3AQ4	Price value for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3BQ1 – Hour3BQ2 – Hour3BQ3 – Hour3BQ4	Price value for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
..	
Maximum	Maximum price, two decimals.
Minimum	Minimum price, two decimals.
Off-Peak (00-07 & 20-23)	Average hourly price for block including Hours 0 to 7 (OP1) and 20 to 23 (OP2), two decimals.
Baseload (0-23)	Average hourly price for the 24 hours of the day, two decimals.
Off-Peak 1 (00-07)	Average hourly price for block including Hours 0 to 7, two decimals.
Peakload (8-19)	Average hourly price for block including Hours 8 to 19, two decimals.
Sun-Peak (10-15)	Average hourly price for block including Hours 10 to 15, two decimals.
Off-Peak 2 (20-23)	Average hourly price for block including Hours 20 to 23, two decimals.

- **Volume**

Name	intraday_auction_spot_volumes_15-call_germany_YYYY.csv
Format	csv
Location	/<market area>/DE Intraday Auction/15 call DE auction/Current/Prices_Volumes/ (Current year Y files are located in this folder, Y-1 and beyond files are located in /<market area>/ DE Intraday Auction/15 call DE auction/Historical/Prices_Volumes/
Update	Approx. 15:20 CET/CEST everyday

Line 1: # [DD/MM/YYYY] [HH:MM:ss AM/PM] UTC: Volumes - EPEX Intraday Market Auction – 15-call_germany – Currency: EUR

Header	*Content and format*
Delivery day	DD/MM/YYYY
Hour1Q1	Volume traded for 00:00 to 00:15 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q2	Volume traded for 00:15 to 00:30 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q3	Volume traded for 00:30 to 00:45 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q4	Volume traded for 00:45 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q1	Volume traded for 01:00 to 01:15 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q2	Volume traded for 01:15 to 01:30 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q3	Volume traded for 01:30 to 01:45 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q4	Volume traded for 01:45 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour3AQ1 – Hour3AQ2 – Hour3AQ3 – Hour3AQ4	Volume traded for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3BQ1 – Hour3BQ2 – Hour3BQ3 – Hour3BQ4	Volume traded for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal. Field is filled for switch to winter time (DST – Daylight Saving Time)
..	
Total Volume	Volume traded for the 96 quarter of hour of the day, one decimal.

- **Aggregated curves**

The aggregated curves are the illustration of how the quarterly prices are determined. The data is published on a daily basis at approximately 03:30 PM CET (IN WINTER)/CEST (IN SUMMER).

Name	intraday_auction_aggregated_curves_15-call_germany_YYYYMMDD.csv
Format	csv
Location	/<market area>/DE Intraday Auction/15 call DE auction/Current/Aggregated curves/ (Current year Y files are located in this folder, Y-1 and beyond files are located in /<market area>/ DE Intraday Auction/15 call DE auction/Historical/ Aggregated curves /
Update	Approx. 15:30 CET/CEST everyday

Line 1: # trading date (DD/M/YY) + publication time (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM): Aggregated Curves - EPEX Intraday Market Auction 15 minute call – Germany

Column Header	*Content and format*
Date	Delivery date DD/MM/YYYY
Week	Number of current week in current year
Week Day	Number of current day in current week
Hour	Hour name (1 to 24)
Quarter hour	Quarter name in the hour (1 to 4)
Price	Euros, two decimals. Minimum price = -3000 €/MWh; maximum price = 3000 €/MWh
Volume	MWh, one decimal
Sale/Purchase	Sell or Purchase as determined in the order book

Please note that this structure is relevant for GB 30 min (IDA1 & IDA2) as well.

Switzerland:

The intraday CH 60min 16:30 D-1 (IDA1) and intraday CH 60min auction 11:15 D (IDA2) refer to the Swiss intraday implicit auctions.

- **Prices**

Name	intraday_auction_spot_prices_CH-IDA1_YYYY.csv
Format	csv
Location	/<market area>/Intraday Auction/CH IDA1/Current/Prices_Volumes/ (Current year Y files are located in this folder, Y-1 and beyond files are located in /<market area>/Intraday Auction/CH IDA1/Historical/Prices_Volumes/
Update	Approx. 16:50 CET/CEST everyday

Line 1: # [DD/MM/YYYY] [HH:MM:ss AM/PM] UTC: Prices - EPEX Auction Intraday IDA1 Switzerland

Header	*Content and format*
Delivery day	DD/MM/YYYY
Hour1	Price value for 00:00 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2	Price value for 01:00 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour3A	Price value 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3B	Price value for 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
..	
Minimum	Minimum price, two decimals.
Maximum	Maximum price, two decimals.
Baseload (0-23)	Average hourly price for the 24 hours of the day, two decimals.
Peakload (8-19)	Average hourly price for block including Hours 8 to 19, two decimals.
Off-Peak 2 (20-23)	Average hourly price for block including Hours 20 to 23, two decimals.
Off-Peak (00-07 & 20-23)	Average hourly price for block including Hours 0 to 7 (OP1) and 20 to 23 (OP2), two decimals.
Off-Peak 1 (00-07)	Average hourly price for block including Hours 0 to 7, two decimals.

Name	intraday_auction_spot_prices_CH-IDA2_YYYY.csv
Format	csv
Location	/<market area>/Intraday Auction/CH IDA2/Current/Prices_Volumes/ (Current year Y files are located in this folder, Y-1 and beyond files are located in /<market area>/Intraday Auction/CH IDA2/Historical/Prices_Volumes/
Update	Approx. 11:35 CET/CEST everyday

Line 1: # [DD/MM/YYYY] [HH:MM:ss AM/PM] UTC: Prices - EPEX Auction Intraday IDA2 Switzerland

Header	*Content and format*
Delivery day	DD/MM/YYYY
Hour17	Price value for 16:00 to 17:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.

Header	*Content and format*
Hour18	Price value for 17:00 to 18:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour19	Price value for 18:00 to 19:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
..	
Minimum	Minimum price, two decimals.
Maximum	Maximum price, two decimals.
Baseload (0-23)	Average hourly price for the 24 hours of the day, two decimals.
Off-Peak 2 (20-23)	Average hourly price for block including Hours 20 to 23, two decimals.

- **Volumes**

Name	intraday_auction_spot_volumes_CH-IDA1_YYYY.csv
Format	csv
Location	/<market area>/Intraday Auction/CH IDA1/Current/Prices_Volumes/ (Current year Y files are located in this folder, Y-1 and beyond files are located in /<market area>/Intraday Auction/CH IDA1/Historical/Prices_Volumes/
Update	Approx. 16:50 CET/CEST everyday

Line 1: # [DD/MM/YYYY] [HH:MM:ss AM/PM] UTC: Volumes - EPEX Auction Intraday IDA1 Switzerland

Header	*Content and format*
Delivery day	DD/MM/YYYY
Hour1	Volume traded for 00:00 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2	Volume traded for 01:00 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour3A	Volume traded for 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3B	Volume traded for 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal. Field is filled for switch to winter time (DST – Daylight Saving Time)
..	
Day Volume	Volume traded for the 24 hours of the day, one decimal.

Name	intraday_auction_spot_volumes_CH-IDA2_YYYY.csv
Format	csv
Location	/<market area>/Intraday Auction/CH IDA1/Current/Prices_Volumes/ (Current year Y files are located in this folder, Y-1 and beyond files are located in /<market area>/Intraday Auction/CH IDA1/Historical/Prices_Volumes/
Update	Approx. 11:35 CET/CEST everyday

Line 1: # [DD/MM/YYYY] [HH:MM:ss AM/PM] UTC: Volumes - EPEX Auction Intraday IDA2 Switzerland

Header	*Content and format*
Delivery day	DD/MM/YYYY
Hour17	Volume traded for 16:00 to 17:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour18	Volume traded for 17:00 to 18:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour19	Volume traded for 18:00 to 19:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
..	
Day Volume	Volume traded for the 8 hours of the trading period, one decimal.

- **Aggregated curves**

The aggregated curves are the illustration of how the quarterly prices are determined.

Name	intraday_auction_aggregated_curves_CH-IDA1_YYYYMMDD.csv
Format	csv
Location	/<market area>/Intraday Auction/CH IDA1/Current/Aggregated curves/ (Current year Y files are located in this folder, Y-1 and beyond files are located in /<market area>/Intraday Auction/CH IDA1/Historical/Aggregated curves/
Update	Approx. 17:00 CET/CEST everyday

Line 1: # trading date (DD/M/YY) + publication time (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM): Aggregated Curves - EPEX Intraday Market Auction – Switzerland IDA1

Column Header	*Content and format*
Date	Delivery date DD/MM/YYYY
Week	Number of current week in current year
Week Day	Number of current day in current week

Column Header	Content and format
Hour	Hour name (1 to 24)
Price	Euros, two decimals. Minimum price = -3000 €/MWh; maximum price = 3000 €/MWh
Volume	MWh, one decimal
Sale/Purchase	Sell or Purchase as determined in the order book

Name	intraday_auction_aggregated_curves_CH-IDA2_YYYYMMDD.csv
Format	csv
Location	/<market area>/Intraday Auction/CH IDA2/Current/Aggregated curves/ (Current year Y files are located in this folder, Y-1 and beyond files are located in /<market area>/Intraday Auction/CH IDA2/Historical/Aggregated curves/
Update	Approx. 17:00 CET/CEST everyday

Line 1: # trading date (DD/M/YY) + publication time (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM): Aggregated Curves - EPEX Intraday Market Auction – Switzerland IDA2

Column Header	Content and format
Date	Delivery date DD/MM/YYYY
Week	Number of current week in current year
Week Day	Number of current day in current week
Hour	Hour name (17 to 24)
Price	Euros, two decimals. Minimum price = -3000 €/MWh; maximum price = 3000 €/MWh
Volume	MWh, one decimal
Sale/Purchase	Sell or Purchase as determined in the order book

1.1.2 Intraday Continuous

- **Intraday results files**

The EPEX SPOT Intraday continuous files are located either in the folder /<market area>**/**Intraday Continuous/Delayed/Results/**,** or /<market area>**/**Intraday Continuous/EOD/Results/**.**

Intraday continuous historical data files (Y-1 and beyond) are located in /<market area>**/**Intraday Continuous/EOD/Historical/Results/**.**

a) intraday results blocks (all market areas except Belgium, Great Britain and the Netherlands)

File name: **intraday_results_blocks_<market area>_YYYY.csv**
File format: csv

Data is published on a daily basis.
- Data updated every 20 minutes on the delayed offer
- The statistics are updated accordingly when there is a trade cancellation

Name	intraday_results_blocks_<market area>_YYYY
Format	csv
Update	Every 20 minutes in the Delayed folder or at approx. 01:15 CET in the EOD folder

Line 1: # trading date (DD/MM/YYYY) + update time (HH:MM:ss UTC AM or PM): Block Values - EPEX SPOT Intraday Trading – Market area

Header	*Content and format*
Delivery day	DD/MM/YYYY
Hour from	Starting hour of the block product (H)
Hour to	Ending hour of the block product (H)
Currency	EUR or GBP
Volume Buy (MWh)	1 decimal
Volume Sell (MWh)	1 decimal
Low Price (EUR/MWh)	Lowest price traded. 5 decimals
High Price (EUR/MWh)	Highest price traded. 5 decimals
Last Price (EUR/MWh)	Last price traded. 5 decimals
Time Stamp of Last Price	DD/MM/YYYY HH:MM:ss UTC
Index Price	There is no index value for blocks
Weighted Average price	5 decimals. Average price weighted by the volume, calculated as trades occur on a real time basis.

b) intraday results hours (all market areas except Belgium, Great Britain and the Netherlands)

File name: **intraday_results_hours_<market area>_YYYY.csv**

File format: csv

Data is published on a daily basis.

- Data is updated every 20 minutes on the delayed offer

Name	intraday_results_hours_<market area>_YYYY
Format	csv
Update	Every 20 minutes in the Delayed folder or at approx. 01:15 CET in the EOD folder

Line 1: # trading date (DD/MM/YYYY) + update time (HH:MM:ss UTC AM or PM): Hour Values - EPEX SPOT Intraday Trading – Market area

Header	*Content and format*
Delivery day	DD/MM/YYYY
Hour from	Starting delivery period (HH:MM) of the product: German, French, Swiss, Austrian, Norwegian, Swedish, Finnish and Danish markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss markets include 15-minute (QH) contracts
Hour to	Ending delivery period (HH:MM) of the product: German, French, Swiss, Austrian, Norwegian, Swedish, Finnish and Danish markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss intraday include 15-minute (QH) contracts
Currency	EUR or GBP
Volume Buy (MWh)	1 decimal
Volume Sell (MWh)	1 decimal
Low Price (EUR/MWh)	Lowest price traded. 2 decimals
High Price (EUR/MWh)	Highest price traded. 2 decimals
Last Price (EUR/MWh)	Last price traded. 2 decimals
Time Stamp of Last Price	DD/MM/YYYY HH:MM UTC
Index Price	2 decimals. Average price weighted by the volume, calculated at around 11:00PM every day. For complete rules go to index files on download part of EPEX SPOT Website. Hourly Index on: German-Austrian market, French market, Swiss market Half-Hourly Index on: German Intraday, French Intraday, Swiss Intraday Quart-Hourly Index on:

Header	*Content and format*
	German-Austrian Intraday
ID_3-Price	2 decimals. Average price weighted by the volume over the last three hours before start of delivery of the hourly and 15-minute products. It is calculated at around 00:30PM every day for German market area only.
For France ID_1-Price	2 decimals. Average price weighted by the volume over the last hour before start of delivery of the hourly and 15-minute products, TUD values are excluded. It is calculated at around 00:30 PM every day for the French market area only
Weighted Average price	2 decimals. Average price weighted by the volume, calculated as trades occur on a real time basis. It is calculated for all products even if there is no index. At the end of the day the value is equal to the index. The difference is that this value is updated every 5 to 10 minutes during the trading session.

- **Intraday transactions files**

  a) All market areas except Belgium, Great Britain and the Netherlands

File name: **intraday_transactions_<market area> _YYYY-MM-DD.csv**
File format: csv

Data is published on a daily basis.
- Data is updated every 20 minutes on the delayed offer
- The statistics are updated accordingly when there is a trade cancellation

Name	intraday_transactions_<market area>_YYYY-MM-DD.csv
Format	csv
Update	Every 20 minutes in the Delayed folder or at approx. 01:15 CET in the EOD folder

Line 1: # trading date (DD/MM/YYYY) + update time (HH:MM:ss UTC AM or PM): Transaction Values - EPEX SPOT Intraday Trading - <Market area>

Header	*Content and format*
Date	Delivery date DD/MM/YYYY
Market Area Buy	Market area where the buy order of the trade was placed (FR, DE, CH, AT, BE or NL)
Market Area Sell	Market area where the sell order of the trade was placed (FR, DE, CH, AT, BE or NL)

Header	*Content and format*
Hour from	Starting delivery period (HH:MM) of the product: German, French, Swiss and Austrian markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss markets include 15-minute (QH) contracts
Hour to	Ending delivery period (HH:MM) of the product: German, French, Swiss and Austrian markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss intraday include 15-minute (QH) contracts
Volume (MW)	1 decimal
Price (EUR)	EUR/MWh. 2 decimals
Time Stamp	DD/MM/YYYY HH:MM
Trade ID	Numerical characters

b) Belgium, Great Britain and the Netherlands

File name: **Continuous_Trades_BE or GB or NL_YYYYMMDD_YYYYMMDDTHHMMssZ.csv**
File format: csv

Data is published on a daily basis every day of the month.
- Data is updated at the end of the day
- The statistics are updated accordingly when there is a trade cancellation

Name	Continuous_Trades_BE or GB or NL_YYYYMMDD_YYYYMMDDTHHMMssZ.csv
Format	csv
Update	Approx. 01:15 CET in the EOD folder

Header	*Content and format*
TradeID	Numerical. Unique ID assigned by the trading system
Product	Product of the trade (Intraday_Hour_Power or XBID_Hour_Power)
Delivery Start	Start time of the period covered by the trade In UTC
Delivery End	Start time of the period covered by the trade In UTC
isOTC	Y or N
Execution time	Timestamp when the trade was originally created In UTC

Header	*Content and format*
Side	Side of the trade leg (BUY, SEL)
Market area	Name of the market area
is Half Trade	Field indicating if the trade is a full trade (with both a buy & sell leg) or a half trade (where EPEX only has either the buy or the sell leg). Y or N
is Self Trade	Field indicating if the trade is considered a self trade. A trade is considered a self trade if the Buyer & Seller are the same EPEX member. Y or N
Price	Two decimals
Currency	EUR or GBP
Quantity (MW)	Volume. One decimal.

- **GB RPD Files**

RPD HH Only

File name:
EPEX_PWR_IDM_CONT_GB_HH_RPDHHonly_EODD_YYYYMMDD_YYYYMMDDTHHmmss+0100.csv
File format: csv

Name	EPEX_PWR_IDM_CONT_GB_HH_RPDHHonly_EODD_YYYYMMDD_YYYYMMDDTHHmmss+0100.csv
Format	csv
Update	Approx. 01:00 CET daily

Header	*Content and format*
Commodity	Power
NominationModality	Intraday
TradingModality	Continuous
MarketArea	GB
IndexName *(modified)*	RPD
TimeResolution *(modified)*	HH or blocks
DeliveryStart	Period date time delivery start in local time: YYYY-MM-DDTHH:00:00+HH:00 (EFA day)
DeliveryEnd	Period date time delivery start in local time: YYYY-MM-DDTHH:00:00+HH:00 (EFA day)
IndexPrice	price with 2 decimals
Currency	GPB
Volume	Three decimals
VolumeUnit	MWh

RPD HH 1H 2H 4H

File name:
EPEX_PWR_IDM_CONT_GB_HH_RPD_EODD_YYYYMMDD_YYYYMMDDTHHmmss+0100.csv
File format: csv

Name	EPEX_PWR_IDM_CONT_GB_HH_RPD_EODD_YYYYMMDD_ YYYYMMDDTHHmmss+0100.csv
Format	csv
Update	Approx. 01:00 CET daily

Header	*Content and format*
Commodity	Power
NominationModality	Intraday
TradingModality	Continuous
MarketArea	GB
IndexName *(modified)*	RPD
TimeResolution *(modified)*	HH or blocks
DeliveryStart	Period date time delivery start in local time: YYYY-MM-DDTHH:00:00+HH:00
DeliveryEnd	Period date time delivery start in local time: YYYY-MM-DDTHH:00:00+HH:00
IndexPrice	Price with 2 decimals
Currency	GPB
Volume	Three decimals
VolumeUnit	MWh

- **CZC and Flow files**

BritNed Capacity

File name: **CZC_BN_YYYYMMDD_YYYYMMDDHHmmss_1.xml**
File format: xml

Name	CZC_BN_YYYYMMDD_YYYYMMDDHHmmss_1.xml
Format	xml
Update	Approx. 10:30 CET daily

Field Name	*Description*
+DocumentIdentification	Unique identification of the document for which the time series data is being supplied.
+DocumentVersion	Version of the document being sent Valid values: 1 to 999
+DocumentType	The coded type of the document being sent. The schedule document type identifies the information flow characteristics.

Field Name	*Description*
	Valid values: A13 (interconnexion Capacity)
+ProcessType	The process type identifies the process to which the Information flow is directed. **Valid values**: A07 (Capacity allocation)
+SenderIdentification	Identification of the party who is sending the document. The sender of the document is identified by a unique coded identification. This code identifies the party that is the "owner" of the information being transmitted in the document.
+SenderRole	Identification of the role that is played by the sender. The sender role, which identifies the role of the sender within the document.
+ReceiverIdentification	Identification of the party who is receiving the document. The receiver of the document is identified by a unique coded identification.
+ReceiverRole	Identification of the role that is played by the receiver. The receiver role, which identifies the role of the receiver within the document.
+CreationDateTime	Date and time of creation of the message.
+CapacityTimeInterval	The beginning and ending date and time of the period covered by the document containing the Capacity. The Capacity start and stop time interval are expressed in UTC format: Example & Valid Values during time changes : 23 or 25 hours 23 hours: 2011-03-24T23:00Z/2011-03-25T22:00Z 25 hours: 2011-10-27T22:00Z/2011-10-28T23:00Z Normal 24 hours: Period winter hour: 2010-12-18T23:00Z/2010-12-19T23:00Z Period summer hour: 2011-06-15T22:00Z/2011-06-16T22:00Z
+CapacityTimeSeries	The file will always contain two instances of the Capacity Time Series class. One instance containing all the data related to the flow of electricity from the UK to NL the other the data for the flow from NL to the UK. The direction of the flow can be derived from the ++inArea and ++outArea fields.
++TimeSeriesIdentification	Sender's identification of the time series instance that uniquely identifies the Capacity time series.

Field Name	*Description*
	Example: “TS1” for the first series and “TS2” for the second….
++BusinessType	Identifies the nature of the time series. Valid values: A31 (Offered Capacity)
++Product	Identification of an energy product such as Power, energy, reactive power, transport capacity, etc. This identifies the product for which the time series is reporting. There is a different time series for each product. Refer to ETSO Code list document for the valid list of codes. Valid values: 8716867000016 (Active Power)
++InArea	The area where the energy is to be put. Refer to EIC Approved Area Code list for valid list of codes.
++OutArea	The area where the energy is coming from. Refer to EIC Approved Area Code list for valid list of codes.
++MeasurementUnit	The unit of measurement that is applied to the quantities in which the time series is expressed.
++Currency	The currency used for values in the Capacity Times Series for which a currency is needed.
++MeasureUnitPrice	The unit of measure in which the tariff in the time series is expressed.
++Period	List of period of a Time series
+++TimeInterval	The time interval provides the start and end date and time of the period being reported. Currently, the Period Time Interval is identical to the Time Interval indicated under +CapacityTimeInterval
+++Resolution	The resolution defining the number of periods that the time interval is divided. **Example:** PT15M expresses a 15 minute resolution.
+++Interval	The interval class contains the relative position within a time interval period and the quantity associated with that position.
++++Pos	This information provides the relative position of a period within a time interval. **Valid values**: during time changes : 23 or 25 hours 23 hours: 1 to 23 25 hours: 1 to 25 Normal 24 hours: 1 to 24

Field Name	*Description*
++++Qty	The quantity of energy (expressed in ++MeasurementUnit) for the relevant period (described by ++++Pos) .
++++Tariff	This represents the tariff for the relevant period (described by ++++Pos) for flow in the directions as depicted by ++inArea and ++outArea. The tariff is always expressed in the ++MeasureUnitPrice.
++++Loss	Losses when transporting power in the direction depicted by the ++inArea and ++outArea.

BritNed Flows

File name: **PMBResults_BN-BN_YYYYMMDD_YYYYMMDDHHmmss_1.xml**
File format: xml

Name	PMBResults_BN-BN_YYYYMMDD_YYYYMMDDHHmmss_1.xml
Format	xml
Update	Approx. 13:00 CET daily

Field Name	*Description*
+DocumentIdentification	Unique identification of the document for which the time series data is being supplied.
+DocumentVersion	Version of the document being sent. **Valid values**: 1 to 999
+DocumentType	The coded type of the document being sent. **Valid values**: Q01
+DocumentStatus	The coded status of the document being sent. **Valid values**: A02 (Final)
+ProcessType	The process type identifies the process to which the Information flow is directed. **Valid values**: A01 (Day Ahead)
+ ClassificationType	A type that is used to classify the document by aggregation or classification. **Valid values**: A02 (summary).
+SenderIdentification	Identification of the party who is sending the document. **Valid values**: NUMIS (AE BritNed Tool Systems)
+SenderRole	Identification of the role that is played by the sender. **Valid values**: Q02 (Numis System)
+ReceiverIdentification	Identification of the party who is receiving the document. **Valid values**: 10X1001A1001A58S (BritNed Development Limited)

Field Name	*Description*
+ReceiverRole	Identification of the role that is played by the receiver. **Valid values**: Q01 (BritNed System)
+DocumentDateTime	Date and time of creation of the message.
+AccountingPeriod	The beginning and ending date and time of the period covered by the document. The start and stop time interval are expressed in UTC format: **Example & Valid Values** during time changes : 23 or 25 hours 23 hours: 2011-03-24T**23**:00Z/2011-03-25T**22**:00Z 25 hours: 2011-10-27T**22**:00Z/2011-10-28T**23**:00Z Normal 24 hours: Period winter hour: 2010-12-18T23:00Z/2010-12-19T23:00Z Period summer hour: 2011-06-15T22:00Z/2011-06-16T22:00Z
+AccountTimeSeries	The file will always contain four time series for the four possible business types in a time series.
++SendersTimeSeriesIdentification	Sender's identification of the time series instance that uniquely identifies the Report time series. **Valid values:** For Q1: GB-GB For Q2: GB-NL For Q3: NL-NL For Q4: ExchangeRates
++BusinessType	Identifies the trading nature of an energy product. The nature of the time series for which the product is handled.
++Product	Identification of an energy product such as Power, energy, reactive power, transport capacity, etc. Valid values: 8716867000016 (Active Power)
++ObjectAggregation	Identifies how the object is aggregated. Valid values: A01 (Area)
++Area	The identification of the Area (also known as 'Hub').
++MeasurementUnit	The unit of measurement that is applied to the quantities in which the time series is expressed.
++Currency	Currency applied
++Period	There is only one period class for an Account Time Series. The time interval covered by the period shall be equal to the complete period of the Accounting Period. The number of time

Field Name	*Description*
	intervals within a time series as characterized by the resolution must completely cover the period's time interval.
+++TimeInterval	The time interval provides the start and end date and time of the period being reported. Currently, this is identical to the time interval indicated under **+AccountingPeriod.**
+++Resolution	The resolution defining the number of periods that the time interval is divided. **Example:** PT15M expresses a 15 minute resolution.
+++AccountInterval	The interval class contains the relative position within a time interval period and the quantity associated with that position.
++++Pos	This information provides the relative position of a period within a time interval. Valid values: during time changes : 23 or 25 hours 23 hours: 1 to 23 25 hours: 1 to 25 Normal 24 hours: 1 to 24
++++InQty	The quantity of the energy (expressed in ++MeasurementUnit) that enters the area for the position within the +++AccountInterval.
++++OutQty	The quantity of the energy (expressed in ++MeasurementUnit) that leaves the area for the position within the +++AccountInterval.
++++SettlementAmount	This field is used for various purposes depending on the business type of the time series. For Q1: It represents the UK price on the UK side of the cable for the position within the account interval For Q2: It represents the UK price on the NL side of the cable for the position within the account interval For Q3: it represents the NL price for the position within the account interval For Q4: it represents the exchange rate.

Nordic Capacity Market Document Description

File name: **PMBResults_BN-BN_YYYYMMDD_YYYYMMDDHHmmss_1.xml**
File format: xml

Name	PMBResults_BN-BN_YYYYMMDD_YYYYMMDDHHmmss_1.xml
Format	xml
Update	Approx. 13:00 CET daily

Element Name	*Description*
+mRID	Unique identification of the document
+revisionNumber	Version of the document being sent
+type	The coded type of the document being sent. **Valid values**: A31
+process.processType	The process type identifies the nature of the process that the document addresses **Valid values**: A15 (Capacity Determination)
+sender_MarketParticipant.mRID	Identification of the party who is sending the document.
+sender_MarketParticipant.markedRole.type	Identification of the role that is played by the sender. **Valid values**: A36 (Capacity Coordinator)
+receiver_MarketParticipant.mRID	Identification of the party who is receiving the document.
+receiver_MarketParticipant.markedRole.type	Identification of the role that is played by the receiver. **Valid values**: A07 (Transmission Capacity Allocator)
+createdDateTime	The date and time of the creation of the document.
+period.timeInterval	The start and end date and time for a given interval
+domain.mRID	The unique identification of the domain
+TimeSeries	List of time series
++mRID	A unique identification of the time series.
++ businessType	The identification of the nature of the time series. **Valid values:** A26 (Available transfer capacity (ATC))
++ product	The identification of the nature of an energy product such as power, energy, reactive power, etc. **Valid values:** 8716867000016 (Active power)
++ in_Domain.mRID	The EIC code of the area where the product is being delivered.
++ out_Domain.mRID	The EIC code of the area where the product is being extracted.
++ measure_Unit.name	The unit of measurement used for the quantities expressed within the time series.
++ curveType	The identification of the coded representation of the type of curve being described.
++Period	List of periods
+++ timeInterval	The start and end time of the period.
+++ resolution	The definition of the number of units of time that compose an individual step within a period. **Example:** PT60M expresses a 60 minute.
+++Point	Contains the list of quantities for each time interval
++++ position	A sequential value representing the relative position within a given time interval.

Element Name	*Description*
++++ quantity	The principal quantity identified for a point.

3 Contacts

Your contacts	
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