Transparency Data Interface Specification

EEX Information Products

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2. Table of Contents

3. List of Abbreviations

Term	Description
	A
ASCII	The American Standard Code for Information Interchange is a character-encoding scheme based on the ordering of the English alphabet.
	B
BMWi	Bundesministerium für Wirtschaft und Technologie
BOM	The byte order mark (BOM) is a Unicode character used to signal the endianness (byte order) of a text file or stream.
	C
CSV	The Comma-separated values (CSV) file is used for the digital storage of data structured in a table of lists form.
CR	The carriage return (CR) is one of the control characters in ASCII code, Unicode or EBCDIC that commands a printer or other sort of display to move the position of the cursor to the first position on the same line.
	E
EBCDIC	The Extended Binary Coded Decimal Interchange Code (EBCDIC) is an 8-bit character encoding (code page) used on IBM mainframe operating systems.
EEX	European Energy Exchange
EUA	European Union Emission Allowance
	F
FTP	The File transfer protocol (FTP) is a standard network protocol used to exchange and manipulate files over a TCP/IP based network.
	I
IBM	The International Business Machines Corporation (IBM) is a multinational computer technology and IT consulting corporation.
ISO	The International Organization for Standardization (ISO) is an international-standard-setting body composed of representatives from various national standards organizations.
	K
kWh	The watt hour, or kilowatt-hour, (symbol kW·h, kWh) is a unit of energy equal to 3,600,000 joules. Energy in watt hours is the multiplication of power in watts and time in hours.
	L
LF	A line feed (LF) or newline, also known as a line break or end-of-line (EOL) character, is a special character or sequence of characters signifying the end of a line of text.

Term	Description
M	
MW	Mega Watt = 1.000.000 W (refer to W)
MWh	Mega Watt Hour = 1.000 kWh (refer to kWh)
N	
NUM	Non-Usability messages
O	
OTC	Over-the-counter (OTC) trading is to trade financial instruments such as stocks, bonds, commodities or derivatives directly between two parties.
U	
UTC	The Coordinated Universal Time (UTC) is a time standard based on International Atomic Time (TAI) with leap seconds added at irregular intervals to compensate for the Earth's slowing rotation.
W	
W	The watt (symbol: W) is a derived unit of power in the International System of Units (SI). It measures rate of energy conversion.

4. Management Overview

To facilitate the energy markets and to support market participants EEX has traditionally been providing information products. These information products outline details about day to day market data as well as historical data. Market participants are able to get access to electronic data for all products of the spot and derivates markets (i.e. electricity, natural gas, EUA and coal). Moreover transparency data about the energy market can be obtained.

In addition to the free data available on the EEX website, EEX provides its commercial information products in CSV-format on an FTP-server (ftp://infoproducts.eex.com). These files are designed for easy processing and can be used by customers for individual market analysis and any other further analytics.

This document describes in detail the new information products generated out of the data from the new transparency platform “Transparency in Energy Markets” which went live on 30th October 2009.

5. Definitions

In the following chapter all needed definition will be made. In a first step all conventions will be defined and in a second step all elements. With the elements the lines will be constructed.

5.1. General File Design

To provide the information a CSV file format will be used. All lines are terminated with a carriage return <CR> and a line feed <LF>. The files can be viewed by using any simple text editor.

All lines start with a *line identifier [line identifier]* that specifies the type of data that follows.

The lines are consisting of a number of *fields [field]*. Fields are separated by a semicolon. The fields have different meanings in the context of a line as described in the following sections of this document.

In summary a line is assembled like:

[line identifier];[field 1];[field 2]; … ;[field n]<CR><LF>

For all files the UTF-8 character set is used without BOM.

5.2. File Naming

The filename of each Information Product-File will be created using a fixed scheme. By viewing the filename, the content of the file, the timestamp of creation and the format an inference is possible. Every file will be created using the following scheme:

[PERIOD-MARK]-[BASE-NAME]-[CREATION-TIMESTAMP].[FILE-EXTENSION]

Within this scheme “minus” and “point” are used as separators.

Part of the filename	Description
PERIOD-MARK	scope of the file content: [YYYY] – file contains value on a yearly basis, starting with year YYYY [YYYYMMDD] – file contains value on a daily basis, starting with day (YYYYMMDD) [YYYYMMDDhh] – file contains value on a hourly basis, starting with hour (hh) of the given day (YYYYMMDD); on a day with change from CEST to CET the effected hours are displayed as 02a and 02b
BASE-NAME	unique file identifier example: ExAnteInformationGenerationWind
CREATION-TIMESTAMP	the timestamp of the file creation in the format [YYYYMMDDhhss] CET/CEST
FILE-EXTENSION	the extension of the file; As all the files are CSV-Files, the extension always is CSV.

Table 1: File naming elements

5.3. Behaviour of File Creation

In general all files are generated at predefined fixed times. These predefined times can be found in the tables in chapter 6. Some files (NUMs) will generated based on the occurrence of a specific event (event-driven).

Any updates to historical data made by dispatchers will result in a full recreation of the effected CSV-file. Old files will not be overwritten; rather will they be kept in order to be able to understand and follow the changes and updates that are being made to the data. Reasons for changing historical data are in particular related to the improvement of data quality (e.g. replacing estimated data by more accurate metered data).

5.4. Definition of Used Data Types

The following table shows the used formats.

Term	Description
<datetime>	time format – information of a point in time. Please note that all points in time are in UTC. Please refer to ISO 8601 for a detailed description. example: 2009-11-17T01:00:00+01:00
<degree>	value for latitude or longitude; up to 6 decimals, point is decimal separator, variable length
<integer>	the range of all natural numbers including the zero
<real>	decimal point number – all decimal point numbers will have a fraction with a denominator of ten example: 1400.4
<string>	alphanumeric string – used for text information example: lignite

Table 2: Definition of formats

5.5. Definition of Data Fields

The following table will define all used fields.

Fieldname	Format	Description	example
[ActualGeneration]	<real>	This field contains the actual production of generation units. The unit is MW.	82465.4
[ActualSolarEnergy]	<real>	This field contains the actual solar power genera-	135.5

Fieldname	Format	Description	example
		tion. The unit is MW.	
[ActualWindEnergy]	<real>	This field contains the actual wind power generation. The unit is MW	18254.6
[AddOn]	<integer>	Information on the status of the voluntary commitment (refer to 5.6)	0
[AvailableCapacity]	<real>	This field contains the amount of the available capacity (daily average value). The unit is MW.	366.7
[ConnectingArea]	<string>	This field contains the EIC the generation or consumer unit is connected to. (refer to 5.6)	10YDE-RWENET---I
[CommentText]	<string>	This field contains comment text.	Don't steal the warp drive!
[Commercialisation]	<integer>	commercialization of a generation unit (refer to 5.6)	0
[Country]	<string>	code of the country; Please refer to ISO 3166-1.	DE
[CompanyID]	<string>	the unique identifier of a company	POWERHSLTD01
[CompanyName]	<string>	the name of a company	Powerhouse Generation Ltd.
[CreationTimeStamp]	<datetime>	the timestamp of the file creation	2009-11-18T18:00:00+01:00
[EndDate]	<datetime>	the end date the data of the generation or consumer unit are delivered	2011-01-01T00:00:00+01:00
[ExpectedSolarEnergy]	<real>	This field contains the forecast of the expected generation from solar energy. The unit is MW.	127.5
[ExpectedWindEnergy]	<real>	This field contains the forecast of the expected generation from wind energy. The unit is MW.	2376.5

Fieldname	Format	Description	example
[InstalledCapacity]	<real>	For generation units the field contains the amount of the installed net bottleneck output. For consumption units the maximum consumption capacity is filled in. The unit is MW.	366.7
[LineNumbers]	<integer>	information about the number of lines of the file	32
[ModificationTimeStamp]	<datetime>	the timestamp of the modification of this information by the dispatcher	2009-11-15T11:43:00+01:00
[NUMCapacity]	<real>	This field contains the amount of the non-usability of a generation unit. The unit is MW.	1265.2
[NUMEndDate]	<datetime>	the expected end date of a non-usability	2011-11-20T14:15:00+01:00
[NUMStartDate]	<datetime>	the start date of a non-usability	2009-11-19T23:15:12+01:00
[PlannedEnergy]	<real>	This field contains the forecast of the maximum available energy. The unit is MWh.	234345.5
[PlannedGeneration]	<real>	This field contains the forecast of the planned generation for the next day. The unit is MW.	85405.6
[PublicationTimeStamp]	<datetime>	the timestamp of the publication of this information on the website	2009-11-16T00:00:00+01:00
[ProdConsID]	<string>	the unique identifier of a generation or consumption unit	E000001
[ProdConsName]	<string>	the name of a plant or a consumer	Warp Generator
[ReportingReason]	<integer>	the reporting reason (refer to 5.6)	0

Fieldname	Format	Description	example
[Source]	<string>	name of the source (refer to 5.6)	coal
[SumInstalledCapacity]	<real>	This field contains the sum of total installed generation capacity. The unit is MW.	2342850.5
[Status]	<integer>	the status of a non-usability source (refer to 5.6)	0
[TimeStamp]	<datetime>	the timestamp of the referring data	2009-12-31T23:00:00+01:00
[UnitID]	<string>	the unique identifier of a generation or consumption unit	E000001-001
[UnitName]	<string>	the name of a generation or consumption unit	Core #1
[WGS84Latitude]	<degree>	latitude gives the location of a place on Earth north or south of the equator.	51.3378
[WGS84Logitude]	<degree>	longitude is the geographic coordinate most commonly used in cartography and global navigation for east-west measurement.	12.3790

5.6. Specific Range Definition of Data Fields

Some of the Data Fields are limited in terms of allowed values. The allowed values are linked to specific meanings which are displayed in the following table.

Fieldname	Value	Translation
AddOn	0	The company delivers **no** information on a voluntary commitment.
	1	The company delivers information on a voluntary commitment.
Commercialisation	0	Predominantly **not** for free marketing
	1	Predominantly for free marketing
connecting area	10YDE-EON------1	Transpower Stromübertragungs GmbH
	10YDE-ENBW-----N	EnBW Transportnetze AG

Fieldname	Value	Translation
	10YDE-RWENET---I	Amprion GmbH
	10YDE-VE-------2	Vattenfall Europe Transmission GmbH
	10YAT-APG------L	Austrian Power Grid AG
[ReportingReason]	0	statutory
	1	voluntary
	2	statutory and voluntary
[Source]	coal	coal
	garbage	garbage
	gas	gas
	lignite	lignite
	oil	oil
	other	other sources, like biomass power plant
	pumped-storage	pumped storage
	run-of-the-river	run of the river
	seasonal-store	seasonal store
	solar	solar
	uranium	uranium
	wind	wind
[Status]	0	The non-usability message is active (not cancelled)
	1	The non-usability message is **not** active (cancelled)

Table 3: Specific Range Definitions

5.7. Definition of Line Types

The following chapter will list all available line types. Lines of the same line types are ordered by the sequence by their columns ascending.

5.7.1. Actual Plant Generation Line (APGL)

The Actual Plant Generation Line contains information on the actual production of generation units. The Actual Plant Generation Line (APGL) has the following layout:

APGL;[Country];[TimeStamp];[ActualGeneration];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.2. Actual Solar Power Generation Line (ASPL)

The Actual Solar Power Generation Line is used for publication of the actual generation from solar energy. The Actual Solar Power Generation Line (ASPL) has the following layout:

ASPL;[ConnectingArea];[TimeStamp];[ActualSolarEnergy];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.3. Actual Wind Power Generation Line (AWPL)

The Actual Wind Power Generation Line is used for publication of the actual generation from wind energy. The Actual Wind Power Generation Line (AWPL) has the following layout:

AWPL;[ConnectingArea];[TimeStamp];[ActualWindEnergy];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.4. Available Capacity Information Line (ACIL)

The Available Capacity Information Line is used for publication of information referring to the available capacity of generation units. The Avalable Capacity Information Line (ACIL) has the following layout:

ACIL;[Source];[Country];[TimeStamp];[AvailableCapacity];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.5. Consumption Unit Information Line (CUIL)

The Consumption Unit Information Line is used for publication of information regarding to consumption units. The Consumtion Unit Information Line (CUIL) has the following layout:

CUIL;[UnitID];[ProdConsID];[UnitName];[ConnectingArea];[StartDate];[EndDate];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.6. Comment Line (COLI)

The Comment Line is used for Comments. The Comment Line has the following layout:

#[CommentText]<CR><LF>

5.7.7. Company Information Line (COIL)

The Company Information Line is used for publication of company information. The Company Information Line (COIL) has the following layout:

COIL;[CompanyID];[CompanyName];[AddOn];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.8. Country Planned Generation Line (CPGL)

The Country Planned Generation Line containing information of the planned generation in the respective country. The Country Planned Generation Line (CPGL) has the following layout:

CPGL;[Country];[TimeStamp];[PlannedGeneration];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.9. Expected Solar Power Generation Line (ESPL)

The Expected Solar Power Generation Line is used for publication of the expected generation from solar energy. The Expected Solar Power Generation Line (ESPL) has the following layout:

ESPL;[ConnectingArea];[TimeStamp];[ExpectedSolarEnergy];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.10. Expected Wind Power Generation Line (EWPL)

The Expected Wind Power Generation Line is used for publication of the expected generation from wind energy. The Expected Wind Power Generation Line (EWPL) has the following layout:

EWPL;[ConnectingArea];[TimeStamp];[ExpectedWindEnergy];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.11. File Creation Line (FCRT)

The File Creation Line contains information to the creation of the file. The File Creation Line (FCRT) has the following layout:

FCRT;[CreationTimeStamp]<CR><LF>

5.7.12. Generation Unit Information Line (GUIL)

The Generation Unit Information Line is used for publication of information regarding to generation units. The Generation Unit Information Line (GUIL) has the following layout:

GUIL;[UnitID];[ProdConsID];[UnitName];[ConnectingArea];[Source];[Commercialisation];[StartDate];[EndDate];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.13. Installed Capacity Information Line (ICIL)

The Installed Capacity Information Line is used for publication of information referring to the installed capacity of generation (installed net bottleneck output) and consumption units. The Installed Capacity Information Line (ICIL) has the following layout:

ICIL;[UnitID];[TimeStamp];[InstalledCapacity];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.14. Non-Usability Consumption Line (NUCL)

The Non-Usability Consumption Line is used for publication of Non-Usability Messages of consumption units. The Non-Usability Consumption Line (NUCL) has the following layout:

NUCL;[Country];[NUMStartDate];[NUMEndDate];[NUMCapacity];[TimeStamp];[Status];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.15. Non-Usability Generation Line (NUGL)

The Non-Usability Generation Line is used for publication of Non-Usability Messages of generation units. The Non-Usability Generation Line (NUGL) has the following layout:

NUGL;[Country];[Source];[NUMStartDate];[NUMEndDate];[NUMCapacity];[TimeStamp];[Status];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.16. Planned Energy Line (PLEL)

The Planned Energy Line is used for publication of the maximum available net bottleneck energy. The Planned Energy Line (PLEL) has the following layout:

PLEL;[UnitID];[TimeStamp];[PlannedEnergy];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.17. Producer and Consumer Information Line (PCIL)

In the Producer and Consumer Information Line information to producers and consumers can be found. The Producer and Consumer Information Line (PCIL) has the following layout:

PCIL;[ProdConsID];[CompanyID];[ProdConsName];[WGS84Latitude];[WGS84Longitude];[Country];[ReportingReason];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.18. Previous Day Power Generation Line (PDGL)

The Previous Day Power Generation Line contains information on the production of the previous day of all generation units which are sending information based on a voluntary commitment. The Previous Day Power Generation Line (PDGL) has the following layout:

PDGL;[Country];[Source];[TimeStamp];[PreviousDayGeneration];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.19. Sum Installed Capacity Line (SICL)

The Sum Installed Capacity Line contains source, connecting area and sum of installed capacity. The Sum Installed Capacity Line (SICL) has the following layout:

SICL;[Source];[ConnectingArea];[TimeStamp];[SumInstalledCapacity];[PublicationTimeStamp];[ModificationTimeStamp]<CR><LF>

5.7.20. Termination Line (TELI)

The Termination Line gives information about the number of lines of the CSV-File including this line and including comment lines. The Termination Line (TELI) has the following layout:

TELI;[LineNumbers]<CR><LF>

6. Generated Files

6.1. Master Data

6.1.1. Information on Reporting Companies and Entities including Installed Capacity

EEX creates one file called ***MasterData-Power*** from the transparency platform which contains all master data of companies, power generating plants, consumers, generation- and consumption units.

Criterion	Description
Filename	MasterData-Power-[YYYYMMDDhhmmss].csv example: MasterData-Power-20090909080000.csv
Content	list of all master data
Displayed Period	master data valid on the creation point in time (including historical data)
Contained Data	companies: ID, name, Add-on, timestamp of publication (date and time), timestamp of modification (date and time)
	producers and consumers: ID, name, latitude, longitude, country, reporting reason, timestamp of publication (date and time), timestamp of modification (date and time)
	generation units: Id, description, connecting area, source, commercialization, start date, end date, timestamp of publication (date and time), timestamp of modification (date and time)
	consumption units: ID, description, connecting area, start date, end date, timestamp of publication (date and time), timestamp of modification (date and time)
	installed capacity: point in time, capacity, timestamp of publication (date and time), timestamp of modification (date and time)
Generation Frequency and Time	daily, 6:30 a.m. MEZ/MESZ (and after updates)
Download Location	/transparency_data/power/csv/masterdata_power/YYYY/

Table 4: Characteristic of Master Data Power File

The following table shows the complete line layout of the ***MasterData-Power*** file:

Line Type	Description	Frequency
COLI	file information # MasterData-Power	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line) # FCRT;[CreationTimeStamp]	1
COLI	heading of line type COIL (Company Information Line) # COIL;[CompanyID];[CompanyName];[AddOn];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Producer and Consumer Information Line (PCIL) # PCIL;[ProdConsID];[CompanyID];[ProdConsName];[WGS84Latitude];[WGS84Longitude];[Country];[ReportingReason];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Generation Unit Information Line (GUIL) # GUIL;[UnitID];[ProdConsID];[UnitName];[ConnectingArea];[Source];[Commercialisation];[StartDate];[EndDate];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Consumtion Unit Information Line (CUIL) # CUIL;[UnitID];[ProdConsID];[UnitName];[ConnectingArea];[StartDate];[EndDate];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Installed Capacity Information Line (ICIL) # ICIL;[UnitID];[TimeStamp];[InstalledCapacity];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
COIL	Company Information Line	0 - n
PCIL	Producer and Consumer Information Line	0 - n
GUIL	Generation Unit Information Line	0 - n
CUIL	Consumption Unit Information Line	0 - n
ICIL	Installed Capacity Information Line	0 - n

Line Type	Description	Frequency
TELI	Termination Line.	1

Table 5: Total file layout (MasterData-Power)

6.1.2. Information on the Total Installed Generation Capacity (BMWi 2)

EEX creates one file called ***ExAnteInformationSumInstalledCapacityProductionLT100*** from the transparency platform.

The file contains ex-ante information data concerning total installed generating capacity of all generating units with a net nominal output of > 1 MW and < 100 MW.

Criterion	Description
Filename	[YYYY]-ExAnteInformationSumInstalledCapacityProductionLT100-[YYYYMMDDhhmmss].csv example: 2009-ExAnteInformationSumInstalledCapacityProductionLT100-20090909000002.csv
Content	ex-ante information on the total installed generating capacity of all generating units with a net nominal output of > 1 MW and < 100 MW
Displayed Period	one year (one file for each available year); After the 16th November the next year will be available and an additional file will be created.
Contained Data	source, connecting area, point in time (date and time), sum installed generating capacity, timestamp of publication (date and time), timestamp of modification (date and time) - the data is ordered by source, connecting area and timestamp.
Generation Frequency and Time	daily, 6:30 a.m. MESZ/MEZ (and after updates)
Download Location	/transparency_data/power/csv/ex_ante/sum_installed_capacity_production_lt100/YYYY/

Table 6: Characteristic of ExAnteInformationSumInstalledCapacityProductionLT100 File

The following table shows the complete line layout of the ***ExAnteInformationSumInstalledCapacityProductionLT100*** file:

Line Type	Description	Frequency
COLI	file information # ExAnteInformationSumInstalledCapacityProductionLT100	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line) # FCRT;[CreationTimeStamp]	1
COLI	heading of line type SICL (Sum Installed Capacity Line) # SICL;[Source];[ConnectingArea];[TimeStamp];[SumInstalledCapacity];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
SICL	Sum Installed Capacity Line	1 - n
TELI	Termination Line.	1

Table 7: Total file layout (ExAnteInformationSumInstalledCapacityProductionLT100)

6.2. Files Regarding Power Generation

6.2.1. Ex-Ante Information

6.2.2. Information on Forecast regarding the Maximum Available Energy (BMWi 1)

EEX creates one file called ***ExAnteInformationPlannedEnergy*** from the transparency platform.

The file contains the forecast of the maximum available energy for units with more or equal than 100 MW installed capacity.

Criterion	Description
Filename	[YYYY]-ExAnteInformationPlannedEnergy-[YYYYMMDDhhmmss].csv example: 2009-ExAnteInformationPlannedEnergy-20091116000002.csv
Content	maximum available energy per unit
Displayed Period	one year (one file for each available year); After the 16th November the next year will be available and an additional file will be created.
Contained Data	unit id, point in time (date and time), maximum available energy, timestamp of publication (date and time), timestamp of modification (date and time) - the data is ordered by unit id and timestamp.
Generation Frequency and Time	daily, 6:30 a.m. MESZ/MEZ (and after updates)
Download Location	/transparency_data/power/csv/ex_ante/planned_energy/YYYY/

Table 8: Characteristic of ExAnteInformationPlannedEnergy File

The following table shows the complete line layout of the ***ExAnteInformationPlannedEnergy*** file:

Line Type	Description	Frequency
COLI	file information # ExAnteInformationPlannedEnergy	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line) # FCRT;[CreationTimeStamp]	1
COLI	heading of line type PLEL (Planned Energy Line) # PLEL;[UnitID];[TimeStamp];[PlannedEnergy];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
PLEL	Planned Energy Line	0 - n

Line Type	Description	Frequency
TELI	Termination Line.	1

Table 9: Total file layout (ExAnteInformationPlannedEnergy)

6.2.3. Information on Forecast regarding the Available Capacity (Add-On 2)

EEX creates one file called ***ExAnteInformationAvailableCapacity*** from the transparency platform.

The file contains ex-ante information data concerning the forecast on the available energy of power generating units per source and country.

Criterion	Description
Filename	[YYYYMMDD]-ExAnteInformationAvailableCapacity-[YYYYMMDDhhmmss].csv example: 20090908-ExAnteInformationAvailableCapacity-20090907100002.csv
Content	ex-ante information data concerning the forecast on the available energy of power generating units per source and country.
Displayed Period	following 365 days (starting with period date)
Contained Data	source, country, point in time (date and time), available energy, timestamp of publication (date and time), timestamp of modification (date and time)
Generation Frequency and Time	daily, 10 a.m. MESZ/MEZ (and after updates)
Download Location	/transparency_data/power/csv/ex_ante/available_capacity/YYYY/

Table 10: Characteristic of ExAnteInformationAvailableCapacity File

The following table shows the complete line layout of the ***ExAnteInformationAvailableCapacity*** file:

Line Type	Description	Frequency
COLI	file information # ExAnteInformationAvailableCapacity	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line)	1

Line Type	Description	Frequency
	#FCRT [CreationTimeStamp]	
COLI	heading of line type ACIL (Available Capacity Information Line) # ACIL;[Source];[Country];[TimeStamp];[AvailableCapacity];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
ACIL	Available Capacity Information Line	0 - n
TELI	Termination Line.	1

Table 11: Total file layout (ExAnteInformationAvailableCapacity)

6.2.4. Planned Production by Generation Units (BMWi 5)

EEX creates one file called ***ExAnteInformationPlannedGeneration*** from the transparency platform.

The file contains aggregated ex-ante information data concerning planned generation in the respective country of generating units with a net nominal output of ≥ 100 MW.

Criterion	Description
Filename	[YYYYMMDD]-ExAnteInformationPlannedGeneration-[YYYYMMDDhhmmss].csv example: 20090910-ExAnteInformationPlannedGeneration-20090909180000.csv
Content	aggregated ex-ante information on the planned generation for the next day in the respective country of generating units with a net nominal output of ≥ 100 MW.
Displayed Period	one day, following day
Contained Data	country, point in time (date and time), planned generation, timestamp of publication (date and time), timestamp of modification (date and time)
Generation Frequency and Time	daily, 6 p.m. MESZ/MEZ (and after updates)
Download Location	/transparency_data/power/csv/ex_ante/planned_generation/YYYY/

Table 12: Characteristic of ExAnteInformationPlannedGeneration File

The following table shows the complete line layout of the ***ExAnteInformationPlannedGeneration*** file:

Line Type	Description	Frequency
COLI	file information # ExAnteInformationPlannedGeneration	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line) # FCRT;[CreationTimeStamp]	1
COLI	heading of line type CPGL (Country Planned Generation Line) # CPGL;[Country];[TimeStamp];[PlannedGeneration];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
CPGL	Country Planned Generation Line	0 - n
TELI	Termination Line.	1

Table 13: Total file layout (ExAnteInformationPlannedGeneration)

6.2.5. Expected Wind Power Generation (BMWi 6)

EEX creates one file called ***ExAnteInformationGenerationWind*** from the transparency platform.

The file contains aggregated ex-ante information data concerning the expected generation from wind energy.

Criterion	Description
Filename	[YYYYMMDD]-ExAnteInformationGenerationWind-[YYYYMMDDhhmmss].csv example: 20090910-ExAnteInformationGenerationWind-20090909180000.csv
Content	aggregated ex-ante information regarding the expected generation from wind energy for the following day per connecting area.
Displayed Period	one day, following day

Contained Data	connecting area, point in time (date and time), quantity of the expected generation, timestamp of publication (date and time), timestamp of modification (date and time)
Generation Frequency and Time	daily, 6 p.m. MESZ/MEZ (and after updates)
Download Location	/transparency_data/power/csv/ex_ante/generation_wind/YYYY/

Table 14: Characteristic of ExAnteInformationGenerationWind File

The following table shows the complete line layout of the ***ExAnteInformationGenerationWind*** file:

Line Type	Description	Frequency
COLI	file information # ExAnteInformationGenerationWind	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line) # FCRT;[CreationTimeStamp]	1
COLI	heading of line type EWPL (Expected Wind Power Generation Line) # EWPL;[ConnectingArea];[TimeStamp];[ExpectedWindEnergy];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
EWPL	Expected Wind Power Generation Line	0 - n
TELI	Termination Line.	1

Table 15: Total file layout (ExAnteInformationGenerationWind)

6.2.6. Expected Solar Power Generation (BMWi 6)

EEX creates one file called ***ExAnteInformationGenerationSolar*** from the transparency platform.

The file contains aggregated ex-ante information data concerning the expected generation from solar energy.

Criterion	Description
Filename	[YYYYMMDD]-ExAnteInformationGenerationSolar-[YYYYMMDDhhmmss].csv example: 20090910-ExAnteInformationGenerationSolar-20090909180000.csv
Content	aggregated ex-ante information regarding the expected generation from solar energy for the following day per connecting area.
Displayed Period	one day, following day
Contained Data	connecting area, point in time (date and time), quantity of the expected generation, timestamp of publication (date and time), timestamp of modification (date and time)
Generation Frequency and Time	daily, 6 p.m. MESZ/MEZ (and after updates)
Download Location	/transparency_data/power/csv/ex_ante/generation_solar/YYYY/

Table 16: Characteristic of ExAnteInformationGenerationSolar File

The following table shows the complete line layout of the ***ExAnteInformationGenerationSolar*** file:

Line Type	Description	Frequency
COLI	file information # ExAnteInformationGenerationSolar	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line) # FCRT;[CreationTimeStamp]	1
COLI	heading of line type ESPL (Expected Solar Power Generation Line) # ESPL;[ConnectingArea];[TimeStamp];[ExpectedSolarEnergy];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
ESPL	Expected Solar Power Generation Line	0 - n

Line Type	Description	Frequency
TELI	Termination Line.	1

Table 17: Total file layout (ExAnteInformationGenerationSolar)

6.2.7. Ex-Post Information

6.2.8. Actual Production of Generation Units (BMWi 10)

EEX creates one file called ***ExPostInformationActualPlantGeneration*** from the transparency platform.

The file contains aggregated ex-post information data concerning the actual production per country.

Criterion	Description
Filename	[YYYYMMDDhh]-ExPostInformationActualPlantGeneration-[YYYYMMDDhhmmss].csv example: 2009090802-ExPostInformationActualPlantGeneration-20090909040002.csv
Content	aggregated ex-post information data concerning the actual generation per country
Displayed Period	one hour, – PERIOD MARK hour
Contained Data	country, point in time (date and time), quantity of actual generation, timestamp of publication (date and time), timestamp of modification (date and time)
Generation Frequency and Time	every full hour (and after updates)
Download Location	/transparency_data/power/csv/ex_post/actual_generation/YYYY/YYYYMMDD/

Table 18: Characteristic of ExPostInformationActualGeneration File

The following table shows the complete line layout of the ***ExPostInformationActualGeneration*** file:

Line Type	Description	Frequency
COLI	file information # ExPostInformationActualGeneration	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line)	1

Line Type	Description	Frequency
	# FCRT;[CreationTimeStamp]	
COLI	heading of line type APGL (Actual Plant Generation Line) # APGL;[Country];[TimeStamp];[ActualGeneration];[PublicationTimeStamp];[Modification TimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
APGL	Actual Plant Generation Line	0 - n
TELI	Termination Line.	1

Table 19: Total file layout (ExPostInformationActualGeneration)

6.2.9. Last Day Production of all Generation Units (Add-On 1)

EEX creates one file called ***ExPostInformationPreviousDayGeneration*** from the transparency platform.

The file contains ex-post information data concerning the actual production per country.

Criterion	Description
Filename	[YYYYMMDD]-ExPostInformationPreviousDayGeneration-[YYYYMMDDhhmmss].csv example: 20090908-ExPostInformationPreviousDayGeneration-20090909170002.csv
Content	ex-post information data concerning the last day production per country
Displayed Period	one day, previous day
Contained Data	country, source, point in time (date and time), Quantity of generation of the previous day, timestamp of publication (date and time), timestamp of modification (date and time)
Generation Frequency and Time	daily, 4:30 p.m. MESZ/MEZ (and after updates)
Download Location	/transparency_data/power/csv/ex_post/previous_day _generation/YYYY/

Table 20: Characteristic of ExPostInformationPrevoiusDayGeneration File

The following table shows the complete line layout of the ***ExPostInformationPrevoiusDayGeneration*** file:

Line Type	Description	Frequency
COLI	file information # ExPostInformationPrevoiusDayGeneration	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line) # FCRT;[CreationTimeStamp]	1
COLI	heading of line type PDGL (Previous Day Power Generation Line) # PDGL;[Country];[Source];[TimeStamp];[PreviousDayGeneration];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
PDGL	Previous Day Power Generation Line	0 - n
TELI	Termination Line.	1

Table 21: Total file layout (ExPostInformationPrevoiusDayGeneration)

6.2.10. Actual Wind Power Generation (BMWi 7)

EEX creates one file called ***ExPostInformationGenerationWind*** from the transparency platform.

The file contains aggregated ex-post information data concerning the actual wind power generation per connecting area.

Criterion	Description
Filename	[YYYYMMDDhh]-ExPostInformationGenerationWind-[YYYYMMDDhhmmss].csv example: 2009090801-ExPostInformationGenerationWind-200909008030007.csv
Content	aggregated ex-post information regarding the actual wind power generation per connecting area

Criterion	Description
Displayed Period	one hour, PERIOD MARK hour
Contained Data	connecting area, point in time (date and time), quantity of actual production, timestamp of publication (date and time), timestamp of modification (date and time)
Generation Frequency and Time	every full hour (and after updates)
Download Location	/transparency_data/power/csv/ex_post/generation_wind/YYYY/YYYYMMDD/

Table 22: Characteristic of ExPostInformationGenerationWind File

The following table shows the complete line layout of the ***ExPostInformationGenerationWind*** file:

Line Type	Description	Frequency
COLI	file information # ExPostInformationGenerationWind	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line) # FCRT;[CreationTimeStamp]	1
COLI	heading of line type AWPL (Actual Wind Power Generation Line) # AWPL;[ConnectingArea];[TimeStamp];[ActualWindEnergy];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
AWPL	Actual Wind Power Generation Line	0 - n
TELI	Termination Line.	1

Table 23: Total file layout (ExPostInformationGenerationWind)

6.2.11. Actual Solar Power Generation (BMW 7)

EEX creates one file called ***ExPostInformationGenerationSolar*** from the transparency platform.

The file contains aggregated ex-post information data concerning the actual solar power generation per connecting area.

Criterion	Description
Filename	[YYYYMMDDhh]-ExPostInformationGenerationSolar-[YYYYMMDDhhmmss].csv example: 2009090801-ExPostInformationGenerationSolar-200909008030007.csv
Content	aggregated ex-post information regarding the actual solar power generation per connecting area
Displayed Period	one hour, current hour - 2
Contained Data	connecting area, point in time (date and time), quantity of actual production, timestamp of publication (date and time), timestamp of modification (date and time)
Generation Frequency and Time	every full hour (and after updates)
Download Location	/transparency_data/power/csv/ex_post/generation_solar/YYYY/YYYYMMDD/

Table 24: Characteristic of ExPostInformationGenerationSolar File

The following table shows the complete line layout of the ***ExPostInformationGenerationSolar*** file:

Line Type	Description	Frequency
COLI	file information # ExPostInformationGenerationSolar	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line) # FCRT;[CreationTimeStamp]	1
COLI	heading of line type ASPL (Actual Solar Power Generation Line) # ASPL;[ConnectingArea];[TimeStamp];[ActualSolarEnergy];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1

Line Type	Description	Frequency
FCRT	File Creation Line	1
ASPL	Actual Solar Power Generation Line	0 - n
TELI	Termination Line.	1

Table 25: Total file layout (ExPostInformationGenerationSolar)

6.3. Files Regarding Non-Usabilities

6.3.1. Scheduled Non-Usability of Generation Units (BMWi 3)

EEX creates one file called ***ExAnteInformationNonUsabilityGeneration*** from the transparency platform.

The file contains ex-ante information data concerning scheduled non-usabilities of generating units with a net nominal output of ≥ 100 MW.

Criterion	Description
Filename	[YYYY]-ExAnteInformationNonUsabilityGeneration-[YYYYMMDDhhmmss].csv example: 2009-ExAnteInformationNonUsabilityProducer-20090909000002.csv
Content	ex-ante information on scheduled non-usabilities of generating units
Displayed Period	all active and inactive non-usabilities with a capacity of ≥ 100 MW and duration of a minimum of one hour with an end date greater or equal and a start date less or equal than the affected year.
Contained Data	country, source, start date, end date, non-availability capacity, timestamp, state, timestamp of publication (date and time), timestamp of modification (date and time)
Generation Frequency and Time	on receipt and change of a non-usability
Download Location	/transparency_data/power/csv/ex_ante/non_usability_generation/YYYY/

Table 26: Characteristic of ExAnteInformationNonUsabilityGeneration File

The following table shows the complete line layout of the ***ExAnteInformationNonUsabilityGeneration*** file:

Line Type	Description	Frequency
COLI	file information # ExAnteInformationNonUsabilityGeneration	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line) # FCRT;[CreationTimeStamp]	1
COLI	heading of line type NUGL (Non-Usability Generation Line) # NUGL;[Country];[Source];[NUMStartDate];[NUMEndDate];[NUMCapacity];[TimeStamp];[Status];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
NUGL	Non-Usability Generation Line	0 - n
TELI	Termination Line.	1

Table 27: Total file layout (ExAnteInformationNonUsabilityGeneration)

6.3.2. Unscheduled Non-Usability of Generation Units (BMWi 8)

EEX creates one file called ***ExPostInformationNonUsabilityGeneration*** transparency platform.

The file contains ex-post information data concerning unscheduled non-usabilities of generating units with a net nominal output of ≥ 100 MW.

Criterion	Description
Filename	[YYYY]-ExPostInformationNonUabilityGeneration-[YYYYMMDDhhmmss].csv example: 2009-ExPostInformationNonUsabilityGeneration-20090909000002.csv
Content	ex-post information regarding unscheduled non-usabilities of generating units.
Displayed Period	all active and inactive non-usabilities with a capacity of ≥ 100 MW and duration of a minimum of one hour with an end date greater or equal and a start date less or equal than the affected year.
Contained Data	country, source, start date, end date, non-availability capacity, timestamp, state, timestamp of publication (date and time), timestamp of modification (date and time)
Generation Frequency and Time	on receipt and change of a non-usability
Download Location	/transparency_data/power/csv/ex_post/non_usability_generation/YYYY/

Table 28: Characteristic of ExPostInformationNonUsabilityGeneration File

The following table shows the complete line layout of the ***ExPostInformationNonUsabilityGeneration*** file:

Line Type	Description	Frequency
COLI	file information # ExPostInformationNonUsabilityGeneration	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line) # FCRT;[CreationTimeStamp]	1
COLI	heading of line type NUGL (Non-Usability Generation Line) # NUGL;[Country];[Source];[NUMStartDate];[NUMEndDate];[NUMCapacity];[TimeStamp];[Status];[PublicationTimeStamp];[ModificationTimeStamp]	1

Line Type	Description	Frequency
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
NUGL	Non-Usability Generation Line	0 - n
TELI	Termination Line.	1

Table 29: Total file layout (ExPostInformationNonUsabilityGeneration)

6.3.3. Scheduled Non-Usability of Power Consuming Plants (BMWi 4)

EEX creates one file called ***ExAnteInformationNonUsabilityConsumption*** from the transparency platform.

The file contains ex-ante information data concerning known non-usabilities of power consuming plants with a consumption capacity of ≥ 100 MW.

Criterion	Description
Filename	[YYYY]-ExAnteInformationNonUsabilityConsumption-[YYYYMMDDhhmmss].csv example: 2009-ExAnteInformationNonUsabilityConsumption-20090909000002.csv
Content	ex-ante information regarding known non-usabilities of power consuming.
Displayed Period	all active and inactive non-usabilities with a consumption capacity of ≥ 100 MW and a duration of minimum one hour with an end date greater or equal and a start date less or equal than the affected year.
Contained Data	country, start date, end date, non-availability capacity, timestamp, state, timestamp of publication (date and time), timestamp of modification (date and time)
Generation Frequency and Time	on receipt and change of a non-usability
Download Location	/transparency_data/power/csv/ex_ante/non_usability_consumption/YYYY/

Table 30: Characteristic of ExAnteInformationNonUsabilityConsumption File

The following table shows the complete line layout of the ***ExAnteInformationNonUsabilityConsumption*** file:

Line Type	Description	Frequency
COLI	file information # ExAnteInformationNonUsabilityConsumption	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line) # FCRT;[CreationTimeStamp]	1
COLI	heading of line type NUCL (Non-Usability Consumption Line) # NUCL;[Country];[NUMStartDate];[NUMEndDate];[NUMCapacity];[TimeStamp];[Status];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
NUCL	Non-Usability Consumption Line	0 - n
TELI	Termination Line.	1

Table 31: Total file layout (ExAnteInformationNonUsabilityConsumption)

6.3.4. Unscheduled Non-Usability of Power Consuming Plants (BMWi 9)

EEX creates one file called ***ExPostInformationNonUsabilityConsumption*** transparency platform.

The file contains ex-post information data concerning unscheduled non-usabilities of power consuming units which are actually in operation and have a consumption capacity of ≥ 100 MW.

Criterion	Description
Filename	[YYYY]-ExPostInformationNonUabilityConsumtion-[YYYYMMDDhhmmss].csv example: 2009-ExPostInformationNonUsabilityConsumtion-20090909000002.csv
Content	ex-post information regarding unscheduled non-usabilities of power consuming units.
Displayed Period	all active and inactive non-usabilities with a capacity of ≥ 100 MW and duration of a minimum of one hour with an end date greater or equal and a start

Criterion	Description
	date less or equal than the affected year.
Contained Data	country, start date, end date, non-availability capacity, timestamp, state, timestamp of publication (date and time), timestamp of modification (date and time)
Generation Frequency and Time	on receipt and change of a non-usability
Download Location	/transparency_data/power/csv/ex_post/non_usability_consumption/YYYY/

Table 32: Characteristic of ExPostInformationNonUsabilityConsumption File

The following table shows the complete line layout of the ***ExPostInformationNonUsabilityConsumption*** file:

Line Type	Description	Frequency
COLI	file information # ExPostInformationNonUsabilityConsumption	1
COLI	empty line #	1
COLI	heading of line type FCRT (File Creation Line) # FCRT[CreationTimeStamp]	1
COLI	heading of line type NUCL (Non-Usability Consumption Line) # NUCL;[Country];[NUMStartDate];[NUMEndDate];[NUMCapacity];[TimeStamp];[Status];[PublicationTimeStamp];[ModificationTimeStamp]	1
COLI	heading of line type Termination Line (TELI) # TELI;[LineNumbers]	1
COLI	empty line #	1
FCRT	File Creation Line	1
NUCL	Non-Usability Consumption Line	0 - n
TELI	Termination Line.	1

Table 33: Total file layout (ExPostInformationNonUsabilityConsumption)

7. Sample Files

7.1. MasterData-Power File

Figure 1: Example of the MasterData-Power File

```
# MasterData-Power
#
# FCRT;[CreationTimeStamp]
# COIL;[CompanyID];[CompanyName];[AddOn];[PublicationTimeStamp];[ModificationTimeStamp]
#
PCIL;[ProdConsID];[CompanyID];[ProdConsName];[WGS84Latitude];[WGS84Longitude];[Country];[ReportingReason];[PublicationTimeStamp];[Mod
ificationTimeStamp]
#
GUIL;[UnitID];[ProdConsID];[UnitName];[ConnectingArea];[Source];[Commercialisation];[StartDate];[EndDate];[PublicationTimeStamp];[Mod
ificationTimeStamp]
# CUIL;[UnitID];[ProdConsID];[UnitName];[ConnectingArea];[StartDate];[EndDate];[PublicationTimeStamp];[ModificationTimeStamp]
# ICIL;[UnitID];[TimeStamp];[InstalledCapacity];[PublicationTimeStamp];[ModificationTimeStamp]
# TELI;[LineNumbers]
#
FCRT;2009-11-22T06:30:00+01:00
COIL;POWERHSLTD01;Powerhouse Generation Ltd.;1;2009-10-13T06:30:00+01:00;2009-10-12T11:10:16+01:00
   (other companies following)
...
PCIL;E000002;POWERHSLTD01;Warp Generator;44.2222;13.0194;DE;0;2009-10-14T07:30:00+01:00;2009-10-12T11:10:16+01:00
PCIL;E000003;POWERHSLTD01;Fusion Generator;51.0021;12.1;DE;0;2009-10-14T07:30:00+01:00;2009-10-12T11:10:16+01:00
PCIL;V000001;POWERHSLTD01;Beam Cabin;52.0325;9.0234;DE;0;2009-10-14T07:30:00+01:00;2009-10-12T10:12:17+01:00
... (other producer and consumers following)
GUIL;E000002-001;E000002;Core #1;10YDE-RWENET---I;gas;0;2008-12-31T23:00:00+00:00;;2009-10-15T07:30:00+01:00;2009-10-
14T11:10:16+01:00
GUIL;E000002-002;E000002;Core #2;10YDE-RWENET---I;gas;0;2008-12-31T23:00:00+00:00;;2009-10-15T07:30:00+01:00;2009-10-
14T12:11:17+01:00
GUIL;E000003-001;E000003;Generator 1;10YDE-RWENET---I;coal;0;2009-12-01T23:00:00+00:00;;2009-10-15T07:30:00+01:00;2009-10-
14T12:11:17+01:00
GUIL;V000001-001;V000001;Elevator #1;10YDE-RWENET---I;2009-01-01T23:00:00+00:00;;2009-10-15T07:30:00+01:00;2009-10-14T12:11:17+01:00
   (other units following)
...
ICIL;E000002-001;2009-01-01T00:00:00+01:00;600.0;2009-10-15T06:30:00+01:00;2009-10-13T11:10:16+01:00
ICIL;E000002-001;2009-01-01T00:00:00+01:00;625.0;2009-10-15T06:30:00+01:00;2009-10-13T11:10:16+01:00
ICIL;E000002-001;2010-06-01T00:00:00+01:00;627.0;2009-10-15T06:30:00+01:00;2009-10-13T11:10:16+01:00
ICIL;E000002-002;2009-01-01T00:00:00+01:00;800.0;2009-10-15T06:30:00+01:00;2009-10-13T12:10:16+01:00
ICIL;E000003-001;2009-01-01T00:00:00+01:00;1100.2;2009-10-15T06:30:00+01:00;2009-10-13T12:10:16+01:00
ICIL;V000001-001;2009-07-01T00:00:00+01:00;1345.2;2009-10-15T06:30:00+01:00;2009-10-13T12:10:16+01:00
... (other capacity lines following)
TELI;120
```

7.2. ExAnteInformationSumInstalledCapacityProductionLT100 File (BMWi 2)

```
# ExAnteInformationSumInstalledCapacityProductionLT100
#
# FCRT;[CreationTimeStamp]
# SICL;[Source];[ConnectingArea];[TimeStamp];[SumInstalledCapacity];[PublicationTimeStamp];[ModificationTimeStamp]
# TELI;[LineNumbers]
#
FCRT;2009-11-22T00:00:00+01:00
SICL;coal;10YDE-ENBW-----N;2009-01-01T00:00:00+01:00;2030.0;2008-11-16T00:00:00+01:00;2008-11-13T11:45:00+01:00
SICL;coal;10YDE-EON------1;2009-01-01T00:00:00+01:00;2042.0;2008-11-16T00:00:00+01:00;2008-11-13T10:45:16+01:00
... (other sources following)
AL;124
```

Figure 2: Example of the ExAnteInformationSumInstalledCapacityProductionLT100 File

7.3. ExAnteInformationPlannedEnergy File (BMWi 1)

```
# ExAnteInformationPlannedEnergy
# # # FCRT;[CreationTimeStamp]
# # # PLEL;[UnitID];[TimeStamp];[PlannedEnergy];[PublicationTimeStamp];[ModificationTimeStamp]
# # # TELI;[LineNumbers]
# # # FCRT;2009-11-15T18:00:00+01:00
PLEL;E000001-001;2009-01-01T00:00:00+01:00;2567492.4;2009-10-16T00:00:00+01:00;2009-10-30T09:25:55+01:00
PLEL;E000002-001;2009-01-01T00:00:00+01:00;3567821.5;2009-10-16T00:00:00+01:00;2009-10-30T16:22:15+01:00
... (other units planned energy lines following)
TELI;26
```

Figure 3: Example of the ExAnteInformationPlannedEnergy File

7.4. ExAnteInformationAvailableCapacity File (Add-On 2)

```
# ExAnteInformationAvailableCapacity
# #
# FCRT;[CreationTimeStamp]
# ACIL;[Source];[Country];[TimeStamp];[AvailableCapacity];[PublicationTimeStamp];[ModificationTimeStamp]
# TELI;[LineNumbers]
# #
FCRT;2009-11-21T09:00:00+01:00
ACIL;coal;DE;2009-11-22T00:00:00+01:00;8924.5;2009-11-21T09:00:00+01:00;2009-11-21T09:00:00+01:00
ACIL;coal;DE;2009-11-23T00:00:00+01:00;8887.4;2009-11-21T09:00:00+01:00;2009-11-21T09:00:00+01:00
...  (other days following)
ACIL;coal;DE;2010-11-21T00:00:00+01:00;9221.5;2009-11-21T09:00:00+01:00;2009-11-21T09:00:00+01:00
ACIL;gas;DE;2009-11-22T00:00:00+01:00;4325.5;2009-11-21T09:00:00+01:00;2009-11-21T09:00:00+01:00
ACIL;gas;DE;2009-11-23T00:00:00+01:00;4324.1;2009-11-21T09:00:00+01:00;2009-11-21T09:00:00+01:00
...  (other days following)
ACIL;gas;DE;2010-11-21T00:00:00+01:00;4452.2;2009-11-21T09:00:00+01:00;2009-11-21T09:00:00+01:00
...  (other sources following)
TELI;3824
```

Figure 4: Example of the ExAnteInformationAvailableCapacity File

7.5. ExAnteInformationPlannedGeneration (BMWi 5)

```
# ExAnteInformationPlannedGeneration
# # # FCRT;[CreationTimeStamp]
# # CPGL;[Country];[TimeStamp];[PlannedGeneration];[PublicationTimeStamp];[ModificationTimeStamp]
# # TELI;[LineNumbers]
# # FCRT;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T00:00:00+01:00;3992.5;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T01:00:00+01:00;3456.2;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T02:00:00+01:00;3664.3;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T03:00:00+01:00;3467.8;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T04:00:00+01:00;3768.9;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T05:00:00+01:00;4578.0;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T06:00:00+01:00;4345.4;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T07:00:00+01:00;4589.4;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T08:00:00+01:00;4654.3;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T09:00:00+01:00;4789.5;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T10:00:00+01:00;4488.7;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T11:00:00+01:00;5543.8;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T12:00:00+01:00;5422.2;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T13:00:00+01:00;5235.1;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T14:00:00+01:00;5020.0;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T15:00:00+01:00;4998.4;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T16:00:00+01:00;5031.3;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T17:00:00+01:00;5123.2;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T18:00:00+01:00;5244.5;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T19:00:00+01:00;4823.6;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T20:00:00+01:00;4734.7;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T21:00:00+01:00;4423.7;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T22:00:00+01:00;4299.9;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
CPGL;DE;2009-11-16T23:00:00+01:00;4107.1;2009-10-15T18:00:00+01:00;2009-11-15T18:00:00+01:00
TELI;32
```

Figure 5: Example of the ExAnteInformationPlannedGeneration File

7.6. ExAnteInformationGenerationWind (BMWi 6)

```
# ExAnteInformationGenerationWind
#
# FCRT;[CreationTimeStamp]
# EWPL;[ConnectingArea];[TimeStamp];[ExpectedWindEnergy];[PublicationTimeStamp];[ModificationTimeStamp]
# TELI;[LineNumbers]
#
FCRT;2009-11-15T18:00:00+01:00
EWPL;10YDE-ENBW-----N;2009-11-16T00:00:00+01:00;1121.2;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
EWPL;10YDE-ENBW-----N;2009-11-16T00:15:00+01:00;1213.4;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
EWPL;10YDE-ENBW-----N;2009-11-16T00:30:00+01:00;1212.4;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
EWPL;10YDE-ENBW-----N;2009-11-16T00:45:00+01:00;1199.2;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
...  (other hours following)
EWPL;10YDE-EON------1;2009-11-16T00:00:00+01:00;2314.5;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
EWPL;10YDE-EON------1;2009-11-16T00:15:00+01:00;2315.4;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
EWPL;10YDE-EON------1;2009-11-16T00:30:00+01:00;2546.4;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
EWPL;10YDE-EON------1;2009-11-16T00:45:00+01:00;2456.6;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
...  (other hours following)
...  (other connecting areas following)
TELI;396
```

Figure 6: Example of the ExAnteInformationGenerationWind File

7.7. ExAnteInformationGenerationSolar BMWi 6)

```
# ExAnteInformationGenerationSolar
#
# FCRT;[CreationTimeStamp]
# ESPL;[ConnectingArea];[TimeStamp];[ExpectedWindEnergy];[PublicationTimeStamp];[ModificationTimeStamp]
# TELI;[LineNumbers]
#
FCRT;2009-11-15T18:00:00+01:00
ESPL;10YDE-ENBW-----N;2009-11-16T00:00+01:00;0.0;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
ESPL;10YDE-ENBW-----N;2009-11-16T00:15:00+01:00;0.0;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
ESPL;10YDE-ENBW-----N;2009-11-16T00:30:00+01:00;0.0;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
ESPL;10YDE-ENBW-----N;2009-11-16T00:45:00+01:00;0.0;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
...  (other hours following)
ESPL;10YDE-EON------1;2009-11-16T00:00:00+01:00;0.0;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
ESPL;10YDE-EON------1;2009-11-16T00:15:00+01:00;0.0;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
ESPL;10YDE-EON------1;2009-11-16T00:30:00+01:00;0.0;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
ESPL;10YDE-EON------1;2009-11-16T00:45:00+01:00;0.0;2009-11-15T18:00:00+01:00;2009-11-15T09:45:13+01:00
...  (other hours following)
...  (other connecting areas following)
TELI;396
```

Figure 7: Example of the ExAnteInformationGenerationSolar File

7.8. ExPostInformationActualGeneration (BMWi 10)

```
# ExPostInformationActualGeneration
# # # FCRT;[CreationTimeStamp]
# # APGL;[Country];[TimeStamp];[ActualGeneration];[PublicationTimeStamp];[ModificationTimeStamp]
# # TELI;[LineNumbers]
# # # FCRT;2009-11-15T16:00:00+01:00
APGL;DE;2009-11-15T13:00:00+01:00;34267.5;2009-11-15T16:00:00+01:00;2009-11-15T16:00:00+01:00
TELI;9
```

Figure 8: Example of the ExPostInformationActualGeneration File

7.9. ExPostInformationPreviousDayGeneration (Add-On 1)

```
# ExPostInformationPrevoiusDayGeneration
#
# FCRT;[CreationTimeStamp]
# PDGL;[Country];[Source];[TimeStamp];[PreviousDayGeneration];[PublicationTimeStamp];[ModificationTimeStamp]
# TELI;[LineNumbers]
#
FCRT;2009-11-15T16:30:00+01:00
PDGL;DE;coal;2009-11-14T00:00:00+01:00;3992.5;2009-10-15T16:30:00+01:00;2009-11-15T16:30:00+01:00
PDGL;DE;coal;2009-11-14T01:00:00+01:00;4022.3;2009-10-15T16:30:00+01:00;2009-11-15T16:30:00+01:00
...  (other hours following)
PDGL;DE;lignite;2009-11-14T00:00:00+01:00;2534.2;2009-10-15T16:30:00+01:00;2009-11-15T16:30:00+01:00
PDGL;DE;lignite;2009-11-14T01:00:00+01:00;2635.3;2009-10-15T16:30:00+01:00;2009-11-15T16:30:00+01:00
...  (other hours following)
...  (other sources following)
TELI;255
```

Figure 9: Example of the ExPostInformationPreviousDayGeneration File

7.10. ExPostInformationGenerationWind (BMWi 7)

```
# ExPostInformationGenerationWind
#
# FCRT;[CreationTimeStamp]
# AWPL;[ConnectingArea];[TimeStamp];[ActualWindEnergy];[PublicationTimeStamp];[ModificationTimeStamp]
# TELI;[LineNumbers]
#
FCRT;2009-11-15T16:00:00+01:00
AWPL;10YDE-ENBW-----N;2009-11-15T13:00:00+01:00;1121.2;2009-11-15T16:00:00+01:00;2009-11-15T12:45:13+01:00
AWPL;10YDE-ENBW-----N;2009-11-15T13:15:00+01:00;1213.4;2009-11-15T16:00:00+01:00;2009-11-15T12:45:13+01:00
AWPL;10YDE-ENBW-----N;2009-11-15T13:30:00+01:00;1212.4;2009-11-15T16:00:00+01:00;2009-11-15T12:45:13+01:00
AWPL;10YDE-ENBW-----N;2009-11-15T13:45:00+01:00;1199.2;2009-11-15T16:00:00+01:00;2009-11-15T12:45:13+01:00
AWPL;10YDE-EON------1;2009-11-15T13:00:00+01:00;2314.5;2009-11-15T16:00:00+01:00;2009-11-15T12:22:25+01:00
AWPL;10YDE-EON------1;2009-11-15T13:15:00+01:00;2315.4;2009-11-15T16:00:00+01:00;2009-11-15T12:22:25+01:00
AWPL;10YDE-EON------1;2009-11-15T13:30:00+01:00;2546.4;2009-11-15T16:00:00+01:00;2009-11-15T12:22:25+01:00
AWPL;10YDE-EON------1;2009-11-15T13:45:00+01:00;2456.6;2009-11-15T16:00:00+01:00;2009-11-15T12:22:25+01:00
...  (other connecting areas following)
TELI;24
```

Figure 10: Example of the ExPostInformationGenerationWind File

7.11. ExPostInformationGenerationSolar (BMWi 7)

```
# ExPostInformationGenerationSolar
# # # FCRT;[CreationTimeStamp]
# # ASPL;[ConnectingArea];[TimeStamp];[ActualWindEnergy];[PublicationTimeStamp];[ModificationTimeStamp]
# # TELI;[LineNumbers]
# #
  FCRT;2009-11-15T07:00:00+01:00
  ASPL;10YDE-ENBW-----N;2009-11-15T04:00:00+01:00;0.0;2009-11-15T07:00:00+01:00;2009-11-15T03:45:13+01:00
  ASPL;10YDE-ENBW-----N;2009-11-15T04:15:00+01:00;0.0;2009-11-15T07:00:00+01:00;2009-11-15T03:45:13+01:00
  ASPL;10YDE-ENBW-----N;2009-11-15T04:30:00+01:00;0.0;2009-11-15T07:00:00+01:00;2009-11-15T03:45:13+01:00
  ASPL;10YDE-ENBW-----N;2009-11-15T04:45:00+01:00;0.0;2009-11-15T07:00:00+01:00;2009-11-15T03:45:13+01:00
  ASPL;10YDE-EON------1;2009-11-15T04:00:00+01:00;0.0;2009-11-15T07:00:00+01:00;2009-11-15T03:22:25+01:00
  ASPL;10YDE-EON------1;2009-11-15T04:15:00+01:00;0.0;2009-11-15T07:00:00+01:00;2009-11-15T03:22:25+01:00
  ASPL;10YDE-EON------1;2009-11-15T04:30:00+01:00;0.0;2009-11-15T07:00:00+01:00;2009-11-15T03:22:25+01:00
  ASPL;10YDE-EON------1;2009-11-15T04:45:00+01:00;0.0;2009-11-15T07:00:00+01:00;2009-11-15T03:22:25+01:00
  ...  (other connecting areas following)
  TELI;24
```

Figure 11: Example of the ExPostInformationGenerationSolar File

7.12. ExAnteInformationNonUsabilityGeneration (BMWi 3)

```
# ExAnteInformationNonUsabilityGeneration
#
# FCRT;[CreationTimeStamp]
#
NUGL;[Country];[Source];[NUMStartDate];[NUMEndDate];[NUMCapacity];[Timestamp];[Status];[PublicationTimeStamp];[ModificationTimeStamp]
# TELI;[LineNumbers]
#
FCRT;2009-11-15T09:21:00+01:00
NUGL;DE;coal;2009-11-15T07:45:00+01:00;2009-11-17T11:00:00+10:00;823.0;1;2009-11-15T09:21:00+01:00;2009-11-15T09:20:55+01:00
... (other non-usability messages following)
TELI;23
```

Figure 12: Example of the ExAnteInformationNonUsabilityGeneration File

7.13. ExPostInformationNonUsabilityGeneration (BMWi 8)

```
# ExPostInformationNonUsabilityGeneration
#
# FCRT;[CreationTimeStamp]
#
NUGL;[Country];[Source];[NUMStartDate];[NUMEndDate];[NUMCapacity];[Timestamp];[Status];[PublicationTimeStamp];[ModificationTimeStamp]
# TELI;[LineNumbers]
#
FCRT;2009-11-15T07:23:00+01:00
NUGL;DE;coal;2010-01-12T11:00:00+01:00;2010-01-13T11:00:00+10:00;865.0;1;2009-11-15T07:23:00+01:00;2009-11-15T07:22:58+01:00
NUGL;DE;gas;2010-01-13T13:45:00+01:00;2010-01-18T13:00:00+10:00;265.0;0;2009-11-01T05:22:13+01:00;2009-11-01T05:22:11+01:00
...  (other non-usability messages following)
TELI;24
```

Figure 13: Example of the ExPostInformationNonUsabilityGeneration File

7.14. ExAnteInformationNonUsabilityConsumption (BMWi 4)

```
# ExAnteInformationNonUsabilityConsumption
# # # FCRT;[CreationTimeStamp]
# # NUCL;[Country];[NUMStartDate];[NUMEndDate];[NUMCapacity];[Timestamp];[Status];[PublicationTimeStamp];[ModificationTimeStamp]
# # TELI;[LineNumbers]
# # #
FCRT;2009-11-15T07:23:00+01:00
NUCL;DE;2010-01-12T11:00:00+01:00;2010-01-13T11:00:00+10:00;865.0;1;2009-11-15T07:23:00+01:00;2009-11-15T07:22:58+01:00
NUCL;DE;2010-01-13T13:45:00+01:00;2010-01-18T13:00:00+10:00;265.0;0;2009-11-01T05:22:13+01:00;2009-11-01T05:22:11+01:00
... (other non-usability messages following)
TELI;24
```

Figure 14: Example of the ExAnteInformationNonUsabilityConsumption File

7.15. ExPostInformationNonUsabilityConsumption (BMWi 9)

```
# ExPostInformationNonUsabilityConsumption
# # # FCRT;[CreationTimeStamp]
# # # NUCL;[Country];[NUMStartDate];[NUMEndDate];[NUMCapacity];[Timestamp];[Status];[PublicationTimeStamp];[ModificationTimeStamp]
# # # TELI;[LineNumbers]
# # #
FCRT;2009-11-15T09:21:00+01:00
NUCL;DE;2009-11-15T07:45:00+01:00;2009-11-17T11:00:00+10:00;234.2;1;2009-11-15T09:21:00+01:00;2009-11-15T09:20:55+01:00
... (other non-usability messages following)
TELI;23;23
```

Figure 15: Example of the ExPostInformationNonUsabilityConsumption File