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The Glossary of statistical terms contains all terms used in this Statistical Yearbook. The corresponding explanations are available on the ENTSO-E internet site www.entsoe.eu under "Resources / Data Portal / Statistical Glossary".

Term	Definition
Alternating Current (AC)	An electric current that reverses its direction at regularly intervals.
Circuit Length	The circuit length of an electrical line or cable is the actual length of each of its conductors or the mean of the lengths of the conductors, if there is any appreciable difference in their lengths.
Classification of Power Units	According to the category of Primary Energy and fuel used for electricity generation, the ENTSO-E statistics considers the following classification in its publications: • Hydro • Nuclear • Fossil fuels • Other Renewable (of which wind, solar) • Not clearly identifiable
Consumption	See Load and relations to consumption in the following document: https://www.entsoe.eu/fileadmin/user_upload/_library/publications/ce/ Load_and_Consumption_Data.pdf
Consumption of Pumps	The electrical energy absorbed by the motor pumps in raising the water into the upper reservoir for the generation of electrical energy. It should include the electrical energy consumed by the auxiliary equipment and transformer losses during pumping. See also Pumped Storage.
Control Area	It is a coherent part of the ENTSO-E interconnected system (usually coinciding with the territory of a company, a country or a geographical area, physically demarcated by the position of points for measurement of the interchanged power and energy to the remaining interconnected network), operated by a single TSO, with physical loads and controllable generation units connected within the Control Area. A Control Area may be a coherent part of a control block that has its own subordinate control in the hierarchy of secondary control (see also the Glossary in the Operation Handbook).
Conventional Transmission Capacity	A theoretical value based on parameters standardized within ENTSO-E (Continental Europe) for calculation of the thermal load capacity of each tie line. These are:ambient temperature of $\pm 35^{\circ}$ C, wind velocity of 0,56 m/s at a right angle to the line, as well as the voltage of the line.
Cross Frontier Line	See Tie Line.

Term	Definition				
Direct Current (DC)	Direct current or DC electricity is the continuous movement of electrons from an area of negative (-) charges to an area of positive (+) charges through a conducting material.				
Electricity Balance (Electricity Supply Situation)	Computes the consumption of electricity from the supply side (not metered in final consumer). In the ENTSO-E, it is presented as the sum of Net Production (split by Classification of Power Units) minus the Consumption of Pumps plus Exchange Balance. Due to fact that consumption is computed from the supply side, the electricity balance includes the distribution and Transmission Losses.				
Energy Not Supplied (ENS)	An estimation of the energy not supplied to final customers due to incidents in the transmission network.				
Equivalent Time of Interruption	The duration of an interruption in minutes multiplied by the energy not supplied divided by the consumption for the last 12 months. This value allows a direct comparison of interruptions that occurred during a year.				
Exchange Balance	The difference between the inside and outside physical flows on each interconnection line of a country.				
Hydro	Electricity derived from the potential and kinetic energy content of water. It can be classified as: Storage Hydro, Run of River, Pure Pumped Storage and Mixed Pumped Storage.				
Load	Load on a power system is referred to as the hourly average active power absorbed by all installations connected to the transmission network or to the distribution network. The load is the value at a given moment of the electrical power supplied or absorbed at any point of a system as determined by an instantaneous measurement or by the integration of power during a given period of time. Load can refer to a consumer, an appliance, a group of consumers or appliances or a network. Load is the power consumed by the network including (+) the network losses but excluding (-) the consumption for pumped storage and excluding (-) the consumption of generating auxiliaries. For the power balance, the load of each country, also called reference load, is represented at 11 a.m. on the 3rd Wednesday of each month without regard to the export power. Concerning the calculation method for the 24 load values, the countries use the average values of the 10, 15 or 60 minutes load preceding the hour.				
Net Generating Capacity	 Net Generating Capacity (NGC) of a power station is the maximum electrical net active power it can produce continuously throughout a long period of operation in normal conditions, where: "net" means the difference between, on the one hand, the gross generating capacity of the alternator(s) and, on the other hand, the auxiliary equipments' load and the losses in the main transformers of the power station; for thermal plants "normal conditions" means average external conditions (weather, climate) and full availability of fuels; for hydro and wind units, "normal conditions" refer to the usual maximum availability of primary energies, i.e. optimum water or wind conditions. Net Generating Capacity of a country is the sum of the individual Net Generating Capacity of all power stations connected to either the transmission grid or to the distribution grid. 				

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Term	Definition	
Net Generation (Net Production)	It is the Gross Generation less the electrical energy absorbed by Generating Auxiliaries and the losses in the main generator transformers.	
Network Reliability	Reliability is a general term encompassing all the measures of the ability of the system, generally given as numerical indices, to deliver electricity to all points of utilization within acceptable standards and in the amounts desired. Network reliability (comprising generation and transmission facilities) can be described by two basic and functional attributes: Adequacy and Security.	
Not Clearly Identifiable Sources	Not Clearly Identifiable Sources comprise Power Plants or Power Units, which, according to Sources the primary energy used, cannot be categorized.	
Nuclear	Electricity generated by the use of thermal energy released from the fission of nuclear fuel in a reactor.	
Other Renewable Energy Sources	In the ENTSO-E statistics, this category comprises all Renewable Energy Sources except total Hydro production.	
Peak Load	The maximum hourly demand during a period of time: day, month or year. (Maximum Load)	
Physical Energy Flow	It represents the real movements of energy between neighboring countries metered in cross-border Tie Lines in both directions, in the system and out of the system.	
Physical Inside Flows	See Physical Energy Flow.	
Physical Outside Flows	s See Physical Energy Flow.	
Power Produced in Parallel Operation	It is the sum of the net electrical power produced in power stations participating in synchron operation. It takes into account the spinning reserve, but excludes units injecting into syste which are coupled to the interconnected network only by an AC / DC-link, and those, wh cannot be operated with 50 Hz. Remark: Since January 2007, these data are no longer collected and published.	
Protection Device	Equipment applied to electric power systems to detect abnormal and intolerable conditions and to initiate corrective actions to ensure continuity of electric service, to limit injury to people and to limit damage to equipment. These devices include lightning arresters, surge protectors, fuses and relays with associated circuit breakers, reclosers and so forth.	
Reference Points	The dates and times for which power data are collected. Reference points are characteristic enough of the entire period studied to limit the data to be collected to the data at the reference points.	

Term	Definition
Renewable Energy Sources (Renewables)	It means renewable non-fossil energy sources (wind, solar, geothermal, wave, tidal, hydropower, biomass, landfill gas, sewage treatment plant gas and biogases).
Representativity (National Representativity Index)	This is a specific ENTSO-E term, which generally means that certain values might not cover the whole country. It is expressed as a percentage. There might be differences between the approaches of the ENTSO-E statistics and System Adequacy reports.
Scheduled (Program, Declared)Inside Flows	The program Outside Flows (respectively Inside Flows) of electricity in one member state on the basis of an underlying contractual arrangement to the effect that the simultaneous corresponding take-up (program Inside Flows (respectively Outside Flows)) of electricity will take place in another Member State or a third country.
Substation	Facility equipment that steps up or steps down the voltage in utility power lines. Voltage is stepped up where power is sent through long distance transmission lines, and stepped down where the power is to enter local distribution lines. They can be classified as normal outside substation, armoured substation and underground substation.
Thermal Conventional (Fossil Fuels)	Electricity generated by an electric power plant using mainly coal, petroleum (derivates) or gas as its primary source of energy. In ENTSO-E statistics, we use the term "Fossil fuels" for the production of electricity with a thermal process that is not generated using Nuclear or Renewable Energy Sources.
Tie Line	A transmission line connecting two countries.
Transit	An energy flow that occurs in a country, which is neither the source nor the sink of the energy flow. The energy flow arrives in the grid over one border and leaves the country over one or more borders
Transmission Losses	The difference between the fed-in (generation) and the delivery energy to distributors. Ownneeds for the operation of the grid are included.
Transmission System Operator (TSO)	A company that is responsible for operating, maintaining and developing the transmission system for a control area and its interconnections.
Vertical Load	The total amount of power flows out of the transmission network into distribution and large customer networks.

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