

WFPS1 - WIND FARM POWER STATION
GRID CODE PROVISIONS

GLOSSARY

ACRONYMS

MEC – Maximum Export Capacity

RTU – Remote Terminal Unit

TSO – Transmission System Operator

WTG – Wind Turbine Generator(s)

DEFINITIONS

Available Active Power	The amount of Active Power that the Wind Farm Power Station could produce based on current wind conditions. The Available Active Power shall only differ from the actual Active Power if the Wind Farm Power Station has been curtailed, constrained or is operating in a restrictive Frequency Response mode.
Contiguous Wind Farm Site	A geographical area containing more than one Wind Farm Power Station with a signed TSO or DSO connection agreement where each of the Wind Farm Power Station's Sites are geographically adjacent to at least one other Wind Farm Power Station Site also having a signed TSO or DSO connection agreement.
Curtailed Active Power	The amount of Active Power that the Wind Farm Power Station is permitted to generate based on the MW Curtailment Set-point signal sent by the TSO .
Distribution System Connected (embedded)	Sites that are connected at a Voltage of $\leq 38\text{kV}$ and <u>NOT</u> from a radial, Generation -only circuit fed from 110kV substation.
Distribution System Connected (from 110kV Substation)	Sites that are connected at a Voltage of $\leq 38\text{kV}$ and from a radial, Generation -only circuit fed from 110kV substation.
Frequency Response	The automatic adjustment of Active Power output from a Generation Unit(s) in response to Frequency changes.
Frequency Response System	A facility providing the means to automatically adjust the Active Power output from a Generation Unit(s) in response to changes in Frequency .

Meteorological Mast	A device erected at the Wind Farm Power Station which has the capability measure representative wind speed, wind direction, air temperature and air pressure to a degree of accuracy corresponding to the appropriate prevailing European Standard at that time.
MW Curtailment	The automatic reduction of Active Power output from a Generation Unit(s) in response to a MW Curtailment Set-point signal being received from the TSO .
MW Curtailment Set-point	The limit set by the TSO for the amount of Active Power that the Wind Farm Power Station is permitted to generate.
Remote Terminal Unit (RTU)	A device that collects, codes and transmits data. An RTU collects information from a master device and implements processes that are directed by that master. RTUs are equipped with input channels for sensing or Metering, output channels for control, indication or alarms and a communications port.
Step Change	A step change is defined as a single, rapid change of the RMS voltage. Transmission System step changes can occur due to switching in and out of capacitors, lines, cables, transformers and other plant.
Step-up Transformer	The main transformer connecting the User Site to the Transmission System or Distribution System . In the case of Grid Connected Customers , the Step-up Transformer is the Grid Connected Transformer .
Transmission System Operator (TSO)	The holder of the licence granted pursuant to Section 14 of the Act to operate the Transmission System
Voltage Regulation	The automatic adjustment of Reactive Power output from a Generation Unit(s) in response to Voltage changes.
Voltage Regulation System	A facility providing the means to automatically adjust the Reactive Power output from a Generation Unit(s) in response to changes in Voltage .
Wind Farm Power Station	A Site containing at least one WTG .
Wind Farm Power Station Availability	The amount of MW the wind farm can produce given favourable wind conditions
Wind Farm Power Station MW Availability Declaration	A measure of the maximum Active Power output which can be produced by a Wind Farm Power Station given favourable wind conditions. Account shall be taken of partial and/or full outages of individual WTG within the Wind Farm Power Station .
Wind Farm Power Station Operator	The operator of the Wind Farm Power Station .

Wind Turbine Generator (WTG)	A Generation Unit(s) generating electricity from wind.
-------------------------------------	---