

System Operator – Transmission Owner Code: Usage of Code Effective Date

Disclaimer

Please note that this information is for reference purposes only. It does not in any way form part of the official System Operation – Transmission Owner Code (STC). Should you have any queries regarding this information, please e-mail STCTeam@uk.ngrid.com.

Code	Term	Effective Date Definition	Current Definition	Different (Y/N)
Grid Code	BM Unit	Has the meaning set out in the BSC , except that for the purposes of the Grid Code the reference to “Party” in the BSC shall be a reference to User .	Has the meaning set out in the BSC , except that for the purposes of the Grid Code the reference to “Party” in the BSC shall be a reference to User .	No
	Connection Point	A Grid Supply Point or Grid Entry Point , as the case may be.	A Grid Supply Point or Grid Entry Point , as the case may be.	No
	Demand	The demand of MW and Mvar of electricity (i.e. both Active and Reactive Power), unless otherwise stated.	The demand of MW and Mvar of electricity (i.e. both Active and Reactive Power), unless otherwise stated.	No
	De-Synchronised Island Procedure	Currently not defined in the Grid Code. “OC9 De-Synchronised Island Procedure” is defined within the Grid Code, and has changed since the Code Effective Date.		

Code	Term	Effective Date Definition	Current Definition	Different (Y/N)
Grid Code	Earthing	<p>A way of providing a connection between conductors and earth by an Earthing Device which is either:</p> <p>a. Immobilised and Locked in the earthing position. Where the Earthing Device is Locked with a Safety Key, the Safety Key must be secured in a Key Safe and the Key Safe Key must be retained in safe custody: or</p> <p>b. Maintained and/or secured in position by such other method which must be in accordance with the Local Safety Instructions of NGC or the Safety Rules of the Relevant Transmission Licensee or that User, as the case may be.</p>	<p>A way of providing a connection between conductors and earth by an Earthing Device which is either:</p> <p>a. Immobilised and Locked in the earthing position. Where the Earthing Device is Locked with a Safety Key, the Safety Key must be secured in a Key Safe and the Key Safe Key must be, where reasonably practicable, given to the authorised site representative of the Requesting Safety Co-Ordinator and is to be retained in safe custody. Where not reasonably practicable the Key Safe Key must be retained by the authorised site representative of the Implementing Safety Co-Ordinator in safe custody: or</p> <p>b. Maintained and/or secured in position by such other method which must be in accordance with the Local Safety Instructions of NGC or the Safety Rules of the Relevant Transmission Licensee or that User, as the case may be.</p>	Yes
	External Interconnection	<p>Apparatus for the transmission of electricity to or from the GB Transmission System or a User System into or out of an External System. For the avoidance of doubt, a single External Interconnection may comprise several circuits operating in parallel.</p>	<p>Apparatus for the transmission of electricity to or from the GB Transmission System or a User System into or out of an External System. For the avoidance of doubt, a single External Interconnection may comprise several circuits operating in parallel.</p>	No
	Generating Unit	<p>Unless otherwise provided in the Grid Code, any Apparatus which produces electricity, including, for the avoidance of doubt, a CCGT Unit.</p>	<p>Unless otherwise provided in the Grid Code, any Apparatus which produces electricity, including a Synchronous Generating Unit and Non-synchronous Generating Unit.</p>	Yes

Code	Term	Effective Date Definition	Current Definition	Different (Y/N)
Grid Code	High Voltage	In England and Wales, a voltage exceeding 650 volts. In Scotland, a voltage exceeding 1000 volts.	In England and Wales, a voltage exceeding 650 volts. In Scotland, a voltage exceeding 1000 volts.	No
	Isolation	<p>The disconnection of HV Apparatus (as defined in OC8A.1.6.2 and OC8B.1.7.2) from the remainder of the System in which that HV Apparatus is situated by either of the following:</p> <p>a. an Isolating Device maintained in an isolating position. The isolating position must either be:</p> <p>(i) maintained by immobilising and Locking the Isolating Device in the isolating position and affixing a Caution Notice to it. Where the Isolating Device is Locked with a Safety Key, the Safety Key must be secured in a Key Safe and the Key Safe Key must be retained in safe custody; or</p> <p>(ii) maintained and/or secured by such other method which must be in accordance with</p>	<p>The disconnection of HV Apparatus (as defined in OC8A.1.6.2 and OC8B.1.7.2) from the remainder of the System in which that HV Apparatus is situated by either of the following:</p> <p>a. an Isolating Device maintained in an isolating position. The isolating position must either be:</p> <p>(i) maintained by immobilising and Locking the Isolating Device in the isolating position and affixing a Caution Notice to it. Where the Isolating Device is Locked with a Safety Key, the Safety Key must be where reasonably practicable, given to the authorised site representative of the Requesting Safety Co-Ordinator and is to be retained in safe custody. Where not</p>	Yes

Code	Term	Effective Date Definition	Current Definition	Different (Y/N)
Grid Code		<p>method which must be in accordance with the Local Safety Instructions of NGC or the Safety Rules of the Relevant Transmission Licensee or that User, as the case may be; or</p> <p>b. an adequate physical separation which must be in accordance with and maintained by the method set out in the Local Safety Instructions of NGC or the Safety Rules of the Relevant Transmission Licensee or that User, as the case may be.</p>	<p>be retained in safe custody. Where not reasonably practicable the Key Safe Key must be retained by the authorised site representative of the Implementing Safety Ordinator in safe custody: or</p> <p>(ii) maintained and/or secured by such other method which must be in accordance with the Local Safety Instructions of NGC or the Safety Rules of the Relevant Transmission Licensee or that User, as the case may be; or</p> <p>b. an adequate physical separation which must be in accordance with and maintained by the method set out in the Local Safety Instructions of NGC or the Safety Rules of the Relevant Transmission Licensee or that User, as the case may be.</p>	
	Local Joint Restoration Plan	A plan produced under OC9.4.7.11 detailing the agreed method and procedure by which a Genset at a Black Start Station (possibly with other Gensets at that Black Start Station) will energise part of the Total System and meet complementary blocks of local Demand so as to form a Power Island .	<p>A plan produced under OC9.4.7.11 detailing the agreed method and procedure by which a Genset at a Black Start Station (possibly with other Gensets at that Black Start Station) will energise part of the Total System and meet complementary blocks of local Demand so as to form a Power Island.</p> <p>In Scotland, the plan may also: cover more than one Black Start Station; include Gensets other than those at a Black Start Station and cover the creation of one or more Power Islands.</p>	Yes

Code	Term	Effective Date Definition	Current Definition	Different (Y/N)
	Local Safety Instructions	For safety co-ordination in England and Wales, instructions on each User Site and Transmission Site , approved by the relevant NGC or User's manager, setting down the methods of achieving the objectives of NGC's or the User's Safety Rules , as the case may be, to ensure the safety of personnel carrying out work or testing on Plant and/or Apparatus on which his Safety Rules apply and, in the case of a User , any other document(s) on a User Site which contains rules with regard to maintaining or securing the isolating position of an Isolating Device , or maintaining a physical separation or maintaining or securing the position of an Earthing Device .	For safety co-ordination in England and Wales, instructions on each User Site and Transmission Site , approved by the relevant NGC or User's manager, setting down the methods of achieving the objectives of NGC's or the User's Safety Rules , as the case may be, to ensure the safety of personnel carrying out work or testing on Plant and/or Apparatus on which his Safety Rules apply and, in the case of a User , any other document(s) on a User Site which contains rules with regard to maintaining or securing the isolating position of an Isolating Device , or maintaining a physical separation or maintaining or securing the position of an Earthing Device .	No
	Low Voltage	In England and Wales, a voltage exceeding 250 volts. In Scotland, a voltage exceeding 50 volts but not exceeding 1000 volts.	In England and Wales, a voltage exceeding 250 volts. In Scotland, a voltage exceeding 50 volts but not exceeding 1000 volts.	No
	Medium Voltage	In England and Wales, a voltage exceeding 250 volts but not exceeding 650 volts.	In England and Wales, a voltage exceeding 250 volts but not exceeding 650 volts.	No
Grid Code	Network Operator	A person with a User System directly connected to the GB Transmission System to which Customers and/or Power Stations (not forming part of the User System) are connected, acting in its capacity as an operator of the User System , but shall not include a person acting in the capacity of an Externally Interconnected System Operator .	A person with a User System directly connected to the GB Transmission System to which Customers and/or Power Stations (not forming part of the User System) are connected, acting in its capacity as an operator of the User System , but shall not include a person acting in the capacity of an Externally Interconnected System Operator .	No
	Protection	The provisions for detecting abnormal conditions on a System and initiating fault clearance or actuating signals or indications.	The provisions for detecting abnormal conditions on a System and initiating fault clearance or actuating signals or indications.	No

Code	Term	Effective Date Definition	Current Definition	Different (Y/N)
Grid Code	Safety Co-ordinator	A person or persons nominated by NGC and each User in relation to Connection Points in England and Wales and/or by the Relevant Transmission Licensee and each User in relation to Connection Points in Scotland to be responsible for the co-ordination of Safety Precautions at each Connection Point when work (which includes testing) is to be carried out on a System which necessitates the provision of Safety Precautions on HV Apparatus (as defined in OC8A.1.6.2 and OC8B.1.7.2), pursuant to OC8 .	A person or persons nominated by NGC and each User in relation to Connection Points in England and Wales and/or by the Relevant Transmission Licensee and each User in relation to Connection Points in Scotland to be responsible for the co-ordination of Safety Precautions at each Connection Point when work (which includes testing) is to be carried out on a System which necessitates the provision of Safety Precautions on HV Apparatus (as defined in OC8A.1.6.2 and OC8B.1.7.2), pursuant to OC8 .	No
	Site Responsibility Schedule	A schedule containing the information and prepared on the basis of the provisions set out in Appendix 1 of the CC .	A schedule containing the information and prepared on the basis of the provisions set out in Appendix 1 of the CC .	No
	Total Shutdown	The situation existing when all generation has ceased and there is no electricity supply from External Interconnections and, therefore, the Total System has shutdown with the result that it is not possible for the Total System to begin to function again without NGC's directions relating to a Black Start .	The situation existing when all generation has ceased and there is no electricity supply from External Interconnections and, therefore, the Total System has shutdown with the result that it is not possible for the Total System to begin to function again without NGC's directions relating to a Black Start .	No

Code	Term	Effective Date Definition	Current Definition	Different (Y/N)
CUSC	Distribution System	the system consisting (wholly or mainly) of electric lines owned or operated by any Authorised Electricity Operator and used for the distribution of electricity from Grid Supply Points or generation sets or other entry points to the point of delivery to Customers or Authorised Electricity Operators , and includes any Remote Transmission Assets operated by such Authorised Electricity Operator and any electrical plant and meters owned or operated by the Authorised Electricity Operator in connection with the distribution of electricity, but shall not include any part of the GB Transmission System ;	the system consisting (wholly or mainly) of electric lines owned or operated by any Authorised Electricity Operator and used for the distribution of electricity from Grid Supply Points or generation sets or other entry points to the point of delivery to Customers or Authorised Electricity Operators , and includes any Remote Transmission Assets operated by such Authorised Electricity Operator and any electrical plant and meters owned or operated by the Authorised Electricity Operator in connection with the distribution of electricity, but shall not include any part of the GB Transmission System ;	No
	Non-Embedded Customer	a Customer except for a Public Distribution System Operator receiving electricity direct from the GB Transmission System irrespective of from whom it is supplied;	a Customer except for a Public Distribution System Operator receiving electricity direct from the GB Transmission System irrespective of from whom it is supplied;	No
	Power Station	an installation comprising one or more Generating Units (even where sited separately) owned and/or controlled by the same Generator , which may reasonably be considered as being managed as one Power Station ;	an installation comprising one or more Generating Units (even where sited separately) owned and/or controlled by the same Generator , which may reasonably be considered as being managed as one Power Station ;	No

Code	Term	Effective Date Definition	Current Definition	Different (Y/N)
CUSC	Station Demand	<p>in respect of any generating station and Generator, means that consumption of electricity (excluding any supply to any Customer of the relevant Generator who is neither such Generator nor a member of a qualifying group of which such Generator is a part) from the GB Transmission System or a Distribution System at premises on the same site as such generating station, with premises being treated as on the same site as each other if they are:</p> <ul style="list-style-type: none"> i. the same premises; ii. immediately adjoining each other; 	<p>in respect of any generating station and Generator, means that consumption of electricity (excluding any supply to any Customer of the relevant Generator who is neither such Generator nor a member of a qualifying group of which such Generator is a part) from the GB Transmission System or a Distribution System at premises on the same site as such generating station, with premises being treated as on the same site as each other if they are:</p> <ul style="list-style-type: none"> i. the same premises; ii. immediately adjoining each other; iii. separated from each other only by road, railway or watercourse or by other premises (other than a pipe-line, electric line or similar structure) occupied by the consumer in question or by any other person who together with that consumer forms a qualifying group; and for the purpose of this definition “generating station” and “qualifying group” shall have the meanings given those expressions when used in the Electricity (Class Exemptions from the Requirement for a Licence) Order 1990; 	Yes
	System	any User System or the GB Transmission System as the case may be;	any User System or the GB Transmission System as the case may be;	No

Code	Term	Effective Date Definition	Current Definition	Different (Y/N)
CUSC	User System	any system owned or operated by a User comprising Generating Units and/or Distribution Systems (and/or other systems consisting (wholly or mainly) of electric lines which are owned or operated by a person other than a Public Distribution System Operator and Plant and/or Apparatus connecting Generating Units, Distribution Systems (and/or other systems consisting wholly or mainly of electric lines which are owned or operated by a person other than a Public Distribution System Operator or Non-Embedded Customers to the GB Transmission System or (except in the case of Non-Embedded Customers) to the relevant other User System , as the case may be, including any Remote Transmission Assets operated by such User or other person and any Plant and/or Apparatus and meters owned or operated by such User or other person in connection with the distribution of electricity but does not include any part of the GB Transmission System ;	any system owned or operated by a User comprising Generating Units and/or Distribution Systems (and/or other systems consisting (wholly or mainly) of electric lines which are owned or operated by a person other than a Public Distribution System Operator and Plant and/or Apparatus connecting Generating Units, Distribution Systems (and/or other systems consisting wholly or mainly of electric lines which are owned or operated by a person other than a Public Distribution System Operator or Non-Embedded Customers to the GB Transmission System or (except in the case of Non-Embedded Customers) to the relevant other User System , as the case may be, including any Remote Transmission Assets operated by such User or other person and any Plant and/or Apparatus and meters owned or operated by such User or other person in connection with the distribution of electricity but does not include any part of the GB Transmission System ;	No

Code	Term	Effective Date Definition	Current Definition	Different (Y/N)
BSC	Interconnector	means Apparatus, connected to a System, for the transfer of electricity to or from the Total System from or to an External System;	means Apparatus, connected to a System, for the transfer of electricity to or from the Total System from or to an External System;	No

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