

# Single Electricity Market

## Grid Code

### NEW SDC DEFINITIONS

30 August 2007

*[Note: Please note that this document was prepared jointly by EirGrid plc and SONI Limited.]*

*[Note: Please note that any terms defined in italics in the table below are applicable to one Grid Code only.]*

*[Note: Please note that the cross-referencing in this section to other sections of the Grid Code has not yet been fully updated.]*

Defined Term	Definition
<b>Active Power or MW</b> <i>[Note: Words in italic apply to Northern Ireland only.]</i>	The product of the components of alternating current and voltage that equate to true power which is measured in units of watts and standard multiples thereof, for example:  1000 Watts = 1 kW;  1000 kW = 1 MW;  1000 MW = 1 GW.
<b>Additional Grid Code Availability Notice</b>	A notice submitted by a <b>User</b> to the <b>TSO</b> pursuant to SDC1.4.2 relating to additional data on <b>Availability</b> .
<b>Additional Grid Code Characteristics Notice</b>	A notice to be submitted to the <b>TSO</b> pursuant to SDC1.4.4.2 relating to additional technical data.
<b>Aggregate Interconnector Ramp Rate</b>	The maximum <b>Ramp Up Rate</b> for an <b>Interconnector</b> or maximum <b>Ramp Down Rate</b> as determined by the <b>TSO</b> .
<b>Aggregated Demand Site</b>	A group of <b>Individual Demand Sites</b> represented by a <b>Dispatchable Demand Customer</b> , which together are capable of a <b>Demand Reduction Capability</b> equal to or above 4 MW (and which is therefore subject to <b>Central Dispatch</b> from the <b>TSO</b> ). Each <b>Individual Demand Site</b> comprising an <b>Aggregated Demand Site</b> shall be in one currency zone. Unless otherwise specified, information submitted in respect of an <b>Aggregated Demand Site</b> shall always be at an aggregated level.
<b>Aggregated Generating Unit</b>	A group of <b>Generating Units</b> represented by a <b>Generator Aggregator</b> , each of which must not have a <b>Registered Capacity/Contracted Capacity</b> greater than 10MW <i>[consider insertion</i>

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	<p><i>of de minimis threshold</i>]. Unless otherwise specified, information submitted in respect of an <b>Aggregated Generating Unit</b> shall always be at an aggregated level.</p> <p><i>[Note: Please note that further to recent discussions with the RAs, this definition is being considered further. This is subject to the discussion on Central Dispatch.]</i></p>
<b>Aggregated Maximum Export Capacity</b>	In the case of a <b>Generator Aggregator</b> , the aggregated value (in MW, MVA, kW and/or kVA) provided in each <b>Connection Agreement</b> (or connection agreement to the <b>Distribution System</b> , as the case may be) for the <b>Generating Units</b> for which the <b>Generator Aggregator</b> is responsible.
<b>Aggregated Maximum Import Capacity</b>	In the case of a <b>Dispatchable Demand Customer</b> in respect of its <b>Aggregated Demand Site</b> or a <b>Generator Aggregator</b> in respect of its <b>Aggregated Generating Unit</b> , the aggregated values (kW and/ or kVA) provided in each <b>Connection Agreement</b> (or connection agreement to the <b>Distribution System</b> , as the case may be) for the <b>Individual Demand Sites</b> or <b>Generating Units</b> for which the <b>Dispatchable Demand Customer</b> or <b>Generator Aggregator</b> is responsible.
<b>Aggregator</b>	Either a <b>Generator Aggregator</b> or a <b>Dispatchable Demand Customer</b> in respect of an <b>Aggregated Demand Site</b> .
<b>Ancillary Service</b>	<p>SONI:</p> <p><i>A service, other than the production of electricity, which is used to operate a stable and secure any part of the system in the Republic of Ireland including Reactive Power, Operating Reserve, Frequency Control and Blackstart Capability.</i></p> <p><i>[Note: This definition, which has been taken and modified from the EirGrid Grid Code, will appear in the SONI Grid Code and refers to the EirGrid equivalent of System Support Services.]</i></p> <p>In EirGrid:</p> <p><i>A service, other than the production of electricity, which is used to operate a stable and secure Power System including Reactive Power, Operating Reserve, Frequency Control and Blackstart Capability.</i></p>
<b>Autonomous Generating Units</b>	A <b>Generating Unit</b> that is not subject to <b>Central Dispatch</b> or subject to <b>Active Power</b> control by the relevant <b>TSO</b> .
<b>Availability Notice</b>	A notice to be submitted to the <b>TSO</b> pursuant to SDC1.4.1.1.
<b>Availability Payments</b>	<i>A payment made to a <b>Generator</b> for making a <b>Generating Unit</b> available.</i>

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	<i>[Note: Please note that this definition applies to the SONI Grid Code only.]</i>
<b>Black Start</b>	The procedure necessary for a recovery from a <b>Total Shutdown</b> or <b>Partial Shutdown</b> .
<b>Block Load</b>	The level of output that a <b>Generating Unit</b> immediately produces following <b>Synchronisation</b> . For avoidance of doubt, <b>Block Load</b> can equal 0 MW.  <i>[Note: Please note that this definition was introduced for the purposes of Part 1 of Appendix A to SDC1.]</i>
<b>Block Load Cold</b>	<b>Block Load</b> during a <b>Cold Start</b> .  <i>[Note: Please note that this definition was introduced for the purposes of Part 1 of Appendix A to SDC1.]</i>
<b>Block Load Hot</b>	<b>Block Load</b> during a <b>Hot Start</b> .  <i>[Note: Please note that this definition was introduced for the purposes of Part 1 of Appendix A to SDC1.]</i>
<b>Block Load Warm</b>	<b>Block Load</b> during a <b>Warm Start</b> .  <i>[Note: Please note that this definition was introduced for the purposes of Part 1 of Appendix A to SDC1.]</i>
<b>Cancelled Start</b>	A response by a <b>Generator</b> to an instruction from the <b>TSO</b> cancelling a previous instruction to <b>Synchronise</b> to the <b>NI System</b> .
<b>CCGT Installation</b>	SONI:  <i>A collection of <b>CCGT Modules</b> (registered as a <b>CCGT Installation</b> under the PC) comprising one or more gas turbines and one or more steam turbines where, in normal operation, the waste heat from the <b>CCGT Modules</b> which are gas turbines is passed to the heat exchanger of the associated <b>CCGT Modules</b> which are steam turbines from which it is directly supplied to these steam turbines thereby contributing to the overall combined cycle efficiency of the <b>CCGT Installation</b>.</i>  EirGrid:  <i>A collection of <b>Generation Units</b> comprising one or more <b>Combustion Turbine Units</b> and one or more <b>Steam Units</b> where, in normal operation, the waste heat from the <b>Combustion Turbine Units</b> is passed to the water/steam system of the associated <b>Steam Unit</b> or <b>Steam Units</b> and where the component <b>Generation Units</b> within the <b>CCGT Installation</b> are directly connected by steam or hot gas lines which enable those <b>Generation Units</b> to contribute to the efficiency of</i>

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	<i>the combined cycle operation of the CCGT Installation.</i>
<b>CCGT Installation Matrix</b>	The matrix which must be submitted by a <b>Generator</b> under the <b>Planning Code</b> and which is used by the <b>TSOs</b> for <b>Scheduling</b> and <b>Dispatch</b> purposes under the <b>SDCs</b> as a “look up” table determining which <b>CCGT Module/CCGT Unit</b> will be operating at any given <b>MW Dispatch</b> level subject to any updated <b>Availability</b> information submitted by a <b>Generator</b> to a <b>TSO</b> under <b>SDC1</b> . <i>[Note: The term “CCGT Module” will apply to the SONI Grid Code and the term “CCGT Unit” will apply to the EirGrid Grid Code.]</i>
<b>CCGT Module</b>	<i>A Generating Unit within a CCGT Installation.</i>  <i>[Note: Please note that this term will apply to the SONI Grid Code.]</i>
<b>CCGT Unit</b>	<i>A Generating Unit within a CCGT Installation</i>  <i>. [Note: Please note that this term will apply to the EirGrid Grid Code.]</i>
<b>Central Dispatch</b>	[The process of <b>Scheduling</b> and issuing <b>Dispatch Instructions</b> in relation to <b>CDGUs, Dispatchable WFPS, Pumped Storage Plant Demand, Demand Side Units, Aggregated Generating Units</b> and/or <b>Interconnectors</b> direct to a <b>Control Facility</b> by the <b>TSO</b> pursuant to the <b>Grid Code</b> .]  <i>[Note: Please note that further to recent discussions with the RAs, the specific requirements for central dispatch/applicable users are still being considered further.]</i>
<b>Centrally Dispatched Generating Unit (CDGU)</b>	A <b>Generating Unit</b> within a <b>Power Station</b> subject to <b>Central Dispatch</b> , which comprises, unless specified otherwise in relation to a particular use of the term a <b>Thermal Plant</b> including a <b>CCGT Installation, a Dispatchable WFPS, Hydro Unit and Pumped Storage Plant</b> in respect of its <b>Pumped Storage Generation</b> .
<b>Cold Start</b>	Any <b>Synchronisation</b> of a <b>Generating Unit</b> that has previously not been <b>Synchronised</b> for a period of time equal to or longer than its submitted <b>Warm Cooling Boundary</b> .
<b>Commercial Offer Data</b>	Data submitted by a <b>User</b> of an <b>Intermediary</b> to the <b>MO</b> pursuant to the <b>TSC</b> in relation to prices and, where applicable, <b>Nominated Profile</b> for certain <b>Users</b> .
<b>Commissioning/Acceptance Test</b>	<i>Testing of a CDGU, Controllable WFPS, Pumped Storage Plant Demand, Demand Side Units, Aggregated Generating Units, , Interconnector or an item of User's Equipment required pursuant to the Connection Conditions prior to connection or re-connection in order to determine whether or not it is suitable for connection to the System and also to determine the new values of parameters to apply to</i>

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	<p><i>it following a material alteration or modification of a <b>CDGU, Controllable WFPS, Pumped Storage Plant Demand, Demand Side Units, Aggregated Generating Units, , Interconnector</b> or of an item of <b>User's Equipment</b> and the term "Commissioning/Acceptance Testing" shall be construed accordingly.</i></p> <p><i>[Note: This term applies to SONI only]</i></p>
<b>Commissioning Test</b>	<p><i>Testing of a <b>CDGU, Controllable WFPS, Pumped Storage Plant Demand, Demand Side Units, Aggregated Generating Units,, Interconnector</b> or an item of <b>User's Equipment</b> required pursuant to the <b>Connection Conditions</b> prior to connection or re-connection in order to determine whether or not it is suitable for connection to the <b>System</b> and also to determine the new values of parameters to apply to it following a material alteration or modification of a <b>CDGU, Controllable WFPS, Pumped Storage Plant Demand, Demand Side Units, Aggregated Generating Units, Interconnector</b> or of an item of <b>User's Equipment</b> and the term "Commissioning Testing" shall be construed accordingly.</i></p> <p><i>[Note: This term applies to the EirGrid Grid Code only]</i></p>
<b>Confirmation Statement</b>	<p><i>As defined in the Metering Code.</i></p> <p><i>[Note: This definition applies to the SONI Grid Code only.]</i></p>
<b>Connection Agreement</b>	<p>The bilateral agreement between the <b>TSO</b> and the <b>User</b>, which contains the detail specific to the <b>User's</b> connection to the <b>Transmission System</b> or the <b>Distribution System</b> as the case may be.</p> <p><i>[Note: the words in italic apply to the ROI only.]</i></p>
<b>Constrained Group</b>	<p>A group of <b>Generating Units</b> located within a constrained part of the <b>System</b> as determined by the <b>TSO</b>.</p>
<b>Contracted Capacity</b>	<p><i>In relation to a <b>PPA CDGU</b>, the <b>NFL Capacity</b> of the <b>CDGU</b> which is set out in paragraph 2 of Schedule 1 to the <b>Generating Unit Agreement</b> for that <b>CDGU</b>, as that <b>NFL Capacity</b> may be amended from time to time in accordance with that <b>Generating Unit Agreement</b>, or the relevant <b>Power Station Agreement</b>.</i></p> <p><i>[NB: This definition applies to the SONI Grid Code only.]</i></p>
<b>Control Facility</b>	<p>A location used for the purpose of <b>Monitoring</b>, control and operation of the <b>User's Plant</b> and <b>Apparatus</b> and for accepting <b>Dispatch Instructions</b> via <b>Electronic Interface</b>.</p> <p><i>[Note: Please note that this definition was modified from the definition in the EirGrid Grid Code.]</i></p>

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<b>Controllable WFPS</b>	<p>EirGrid:</p> <p><i>A site containing at least one <b>WTG</b> which can automatically act upon a remote signal from the <b>TSO</b> to change its <b>Active Power</b> output.</i></p> <p>SONI:</p> <p><i>A <b>WFPS</b> first connected to the <b>NI System</b> on or after 1 April 2005 whose wind turbines comprise a <b>Registered Capacity</b> of 5 MW or more.</i></p>
<b>Cycle Operating Mode</b>	<p>The <b>Open Cycle Mode</b> or combine cycle <b>Operating Mode</b> of a <b>CCGT Installation</b> which may need to be specified pursuant to a <b>Dispatch Instruction</b> under SDC2.4.2.4(j).</p>
<b>Declared Maximisation Capacity</b>	<p><i>In relation to a <b>CDGU</b>, the <b>Maximisation Capacity</b> as declared by a <b>Generator</b> in a <b>Technical Parameters Notice</b> (or in a revised <b>Technical Parameters Notice</b>) to be the impaired <b>Maximisation Capacity</b> of the <b>CDGU</b> which shall be not greater than its <b>Contracted Capacity (Maximisation)</b> nor less than its <b>Contracted Capacity</b> (which is <b>Maximisation Capacity</b> stated on the assumption that <b>Availability</b> is equal to <b>Contracted Capacity</b>) or if no figure is so declared, the <b>Contracted Capacity (Maximisation)</b> set out in [paragraph 2 of schedule 1 to the relevant <b>Generating Unit Agreement</b>].</i></p> <p><i>[Note: Please that this definition applies to the <b>SONI Grid Code</b> only.]</i></p>
<b>Deload Break Point</b>	<p>The point at which due to technical reason a <b>Generating Unit</b> may need to pause during its <b>MW Output</b> reduction process.</p>
<b>De-Loading Rate</b>	<p>The rate at which a <b>Generation Unit</b> or <b>Generating Unit</b> (as the case may be) reduces <b>MW Output</b> from <b>Minimum Generation</b> to zero when it is instructed to cease output. There are up to two possible <b>De-Loading</b> rates, which are referred to as <b>De-Loading Rate 1</b> and <b>De-Loading Rate 2</b>.</p> <p><i>[Note: Please note that the definition was modified from the definition in the <b>EirGrid Grid Code</b>.]</i></p>
<b>Demand</b>	<p>SONI:</p> <p><i>The amount of electrical power consumed on the <b>Total System</b> comprising of <b>Active</b> and <b>Reactive Power</b> unless otherwise stated.</i></p> <p>EirGrid:</p> <p><i>The amount of electrical power consumed by the <b>Power System</b> comprising of <b>Active</b> and <b>Reactive Power</b> unless otherwise stated.</i></p>

Defined Term	Definition
<b>Demand Customer</b>	<p>A person to whom electrical <b>Energy</b> is provided by means of a direct connection to the <b>Transmission System</b> or by a connection to a <b>Distribution System</b>.</p> <p><i>Autoproducers are to be considered both <b>Generators</b> and <b>Demand Customers</b>.</i></p> <p><i>[Note: The part in italics applies to the EirGrid Grid Code only]</i></p> <p><i>[Note: Please note that this definition was taken from the EirGrid Grid Code.]</i></p>
<b>Demand Profile</b>	<p>The estimated consumption in <b>MW Demand</b> for a <b>Demand Side Unit</b> for each <b>Trading Period</b> in the following <b>Optimisation Time Horizon</b> period and which must be submitted to the <b>TSO</b> in the <b>Availability Notice</b> under SDC1.4.1.2.</p> <p><i>[Note: Please note that this definition is being considered further.]</i></p>
<b>Demand Reduction</b>	<p>The reduction in <b>MW Demand</b> which can be achieved in one currency zone by a <b>Demand Side Unit</b> for each <b>Trading Period</b> in the following <b>Optimisation Time Horizon</b> period and which must be submitted by the <b>User</b> to the <b>TSO</b> in an <b>Availability Notice</b> under SDC1.4.1.2.</p>
<b>Demand Reduction Capability</b>	<p>The reduction capability in <b>MW Demand</b> that can be achieved by the <b>Demand Side Unit</b>.</p>
<b>Demand Side Unit</b>	<p>An <b>Individual Demand Site</b> or <b>Aggregated Demand Site</b> with a <b>Demand Reduction Capability</b> of at least 4 MW. The <b>Demand Side Unit</b> shall be subject to <b>Central Dispatch</b>.</p>
<b>De-Synchronising</b>	<p>SONI:</p> <p><i>The act of taking a <b>Generating Unit</b> off the <b>NI System</b>, to which it has been <b>Synchronised</b>, and like terms shall be construed accordingly.</i></p> <p>EirGrid:</p> <p><i>The act of taking a <b>Generating Unit</b> off the <b>Network</b>, to which it has been <b>Synchronised</b>, and like terms shall be construed accordingly.</i></p>
<b>Dispatch</b>	<p>The issue by the <b>TSO</b> of instructions to a <b>Generator, Pumped Storage Generator, Interconnector Owner, Dispatchable Demand Customer</b> or <b>Generator Aggregator</b> in respect of its <b>CDGU, Pumped Storage Plant Demand, Demand Side Unit, Aggregated Generating Units</b> or <b>Interconnector</b> tranche pursuant to SDC2 and the term "<b>Dispatched</b>" shall be construed accordingly."</p>

Defined Term	Definition
<b>Dispatch Instruction</b>	<p>An instruction given by the <b>TSO</b> to a <b>CDGU</b>, <b>Demand Side Unit</b>, <b>Interconnector</b> tranche and/or <b>Pumped Storage Plant Demand</b> to that <b>User's</b> approved <b>Control Facility</b> to change the output, fuel or manner of operation of the <b>CDGU</b>, <b>Demand Side Unit</b>, <b>Interconnector</b> tranche and/or <b>Pumped Storage Plant Demand</b>.  <b>"Instruct"</b> and <b>"Instructed"</b> shall be construed accordingly.</p> <p><i>[Note: Please note that this definition was modified from the definition in the EirGrid Grid Code.]</i></p>
<b>Dispatchable Demand Customer</b>	<p>A [person/<b>Supplier</b>] who operates a <b>Demand Side Unit</b>, with a <b>Demand Reduction</b> capability not less than 4 MW.</p> <p><i>[Note: Please note that this definition is being considered further.]</i></p>
<b>Dispatchable WFPS or DWFPS</b>	<p>A <b>Controllable WFPS</b> which must have a <b>Control Facility</b> in order to be dispatched via an <b>Electronic Interface</b> by the <b>TSO</b>.</p>
<b>Distribution System</b>	<p>EirGrid:</p> <p><i>The system consisting (wholly or mainly) of electric circuits, transformers and switchgear which are operated by and used for the distribution of electricity from <b>Grid Supply Points</b> or <b>Generating Units</b> or other entry points to the point of delivery to <b>Customers</b> or other <b>Users</b> and any <b>Plant</b> and <b>Apparatus</b> and meters used in connection with the distribution of electricity, but not including any part of the <b>Transmission System</b>.</i></p> <p><i>[Note: Please note that the definition above was modified from the definition in the EirGrid Grid Code.]</i></p> <p>SONI:</p> <p><i>The electric lines within the <b>Authorised Area</b>, as defined in the <b>TSO Licence</b>, owned by the <b>Distribution Licensee</b> (but not, for the avoidance of doubt, any lines forming part of the transmission system or any <b>Interconnector</b>), and any other electric lines which the <b>Authority</b> may specify as forming part of the distribution system, including (in each case) any electrical plant and/or meters used in connection with distribution.</i></p> <p><i>[Note: Please note that the definition above was modified from the definition in the transmission licence granted to SONI.]</i></p>
<b>Dwell Time</b>	<p>The duration for which the <b>Generating Unit</b> must remain at the <b>Dwell Time Trigger Point</b> during a change in its <b>MW Output</b> while ramping up or down between <b>Minimum Generation</b> and instructed <b>MW Output</b>.</p>

Defined Term	Definition
<b>Dwell Time Trigger Point</b>	A constant MW level at which a <b>Generating Unit</b> must remain while ramping up or down between <b>Minimum Generation</b> and instructed <b>MW Output</b> . [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]  <i>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC1.]</i>
<b>Electronic Interface</b>	A system, in accordance with the requirements of the TSO's data system, at the <b>Control Facility</b> , providing an electronic interface between the TSO and a <b>User</b> , for issuing and receiving instructions, including <b>Dispatch Instructions</b> , as provided for in the <b>Grid Code</b> and established pursuant to an agreement between the TSO and the <b>User</b> .
<b>End Point of Start Up Period</b>	The time after which the rate of change of the <b>Generating Unit Output</b> is not dependent upon the initial <b>Warmth</b> of the <b>Generating Unit</b> .  <i>[Note: Please note that this definition was taken from the definition for "End of Start-Up Period" in the EirGrid Grid Code.]</i>
<b>Energy Limit</b>	The target amount of <b>Energy</b> to be generated by an <b>Energy Limited Generating Unit</b> within the <b>Trading Day</b> .
<b>Energy Limit Factor</b>	A factor between zero and one, which is applied to the <b>Energy Limit</b> for use in calculating the scheduled <b>Energy</b> of <b>Energy Limited Generating Units</b> in the period between the end of the <b>Trading Day</b> and the end of the <b>Optimisation Time Horizon</b> period.
<b>Energy Limit Start</b>	06:00 hours on the <b>Trading Day</b> .
<b>Energy Limit Stop</b>	06.00 hours on the day following the <b>Trading Day</b> .
<b>Energy Limited Generating Unit</b>	A <b>Hydro Unit</b> with a limit on the <b>Energy</b> it can deliver in a specified time period.
<b>Forecast Minimum Output Profile</b>	The <b>User's</b> forecast of the average level of minimum <b>MW Output</b> , in <b>MW</b> , for the <b>Pumped Storage</b> for each <b>Trading Period</b> in the <b>Optimisation Time Horizon</b> .  <i>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC 1, was taken from the TSC.]</i>
<b>Forecast Minimum Generation Profile</b>	The <b>User's</b> forecast of the average level of <b>Minimum Generation</b> , in <b>MW</b> , for the <b>User's Plant</b> for each <b>Trading Period</b> in the <b>Optimisation Time Horizon</b> .  <i>[Note: Please note that this definition, which was introduced for Part</i>

Defined Term	Definition
	<i>1 of Appendix A to SDC 1, was taken and modified from the TSC and is being considered further.]</i>
<b>Frequency Control</b>	SONI:  <i>The control of the <b>Frequency</b> on the <b>Total System</b>.</i>  EirGrid:  <i>The control of the <b>Frequency</b> on the <b>Power System</b>.</i>
<b>Frequency Sensitive Mode</b>	The operation of a <b>Generating Unit</b> whereby its generation level is varied automatically to compensate for variations in the <b>Frequency</b> of the <b>System</b> .  <i>[Note: Please note that consideration is being given to referring to “and Frequency Insensitive Mode shall be construed accordingly”.]</i>
<b>Gas Turbine Unit</b>	SONI  <i>A <b>Generating Unit</b> fuelled by <b>Gas</b> or distillate.</i>  EirGrid  <i>A <b>Generation Unit</b> fuelled by <b>Gas</b>.</i>
<b>Gate Closure</b>	10.00 hours on the day preceding the relevant <b>Trading Day</b> to which a notice relates.  <i>[Note: Please note that this definition was taken and modified from the TSC.]</i>
<b>Generating Unit</b>	SONI:  <i>Other than in the case of <b>Wind Farm Power Stations</b>, a turbine generator within a <b>Power Station</b>, together with all <b>Plant and Apparatus</b> at that <b>Power Station</b> up to the high voltage bushings at the <b>Generator Transformer</b> which relate exclusively to the operation of that turbine generator (which in the case of a steam turbine will include the boiler and heat exchanger and in the case of a gas turbine will include the gas generator/combustion turbine). In the case of <b>Wind Farm Power Stations</b>, a wind turbine generator within a <b>Wind Farm Power Station</b>, together with all <b>Plant and Apparatus</b> (including any step-up transformer) which relates exclusively to the operation of that wind turbine generator. It will be either a <b>Synchronous Generating Unit</b> or a <b>Non-Synchronous Generating Unit</b>.</i>  EirGrid:

Defined Term	Definition
	<i>Has the same meaning as <b>Generation Unit</b>.</i>
<b>Generator Aggregator</b>	A person who represents several <b>Generating Units</b> , each of which does not have a <b>Registered Capacity/Contracted Capacity</b> greater than 10 MW and the combined <b>Registered Capacity/Contracted Capacity</b> of which is equal to or greater than 4 MW, by in particular preparing notices under SDC1, in relation to those <b>Generating Units</b> and receiving <b>Dispatch Instructions</b> in relation to those <b>Generating Units</b> under SDC2. For the avoidance of doubt, a <b>Generator Aggregator</b> cannot aggregate a <b>Generating Unit</b> with an output equal to or above 10 MW.
<b>Generator Terminal</b>	The stator terminals of a <b>Generating Unit</b> .  <i>[Note: Please note that this definition was taken from the SONI Grid Code.]</i>
<b>Grid Code</b>	Term defined in SONI Grid Code as:  <i>The <b>Grid Code</b> prepared pursuant to the TSO's Licence, as from time to time revised in accordance with the TSO's Licence.</i>  Term defined in EirGrid Grid Code as:  <i>The code prepared by the TSO pursuant to section 33 of the Act, and approved by the Commission, as from time to time revised, amended, supplemented or replaced with the approval of or at the instance of the Commission.</i>
<b>Hot Cooling Boundary</b>	The period of time, following <b>De-Synchronisation</b> of a <b>Generating Unit</b> after which the <b>Warmth State</b> transfers from being hot to being warm.  <i>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC 1, is modified from the definition in the TSC.]</i>
<b>Hot Start</b>	Any <b>Synchronisation</b> of a <b>Generating Unit</b> that has previously not been <b>Synchronised</b> for a period of time shorter than its submitted <b>Hot Cooling Boundary</b> .  <i>[Note: Please note that this definition was taken from the TSC and was introduced for the purposes of Appendix A to SDC1.]</i>
<b>Hydro Unit</b>	A <b>Unit</b> which generates electricity from the movement of water excluding <b>Pumped Storage</b> ;
<b>Incremental Price</b>	The marginal price at a particular <b>MW Output</b> , for increasing <b>Energy</b> output (or reducing demand) by 1 <b>MWh</b> , once that unit has started to

Defined Term	Definition
	generate <b>Energy</b> (or reduce <b>Demand</b> , as the case may be).
<b>Indicative Market Schedule</b>	The schedule prepared by the <b>Market Operator</b> pursuant to the <b>TSC</b> .
<b>Indicative Operations Schedule</b>	The schedule prepared by the <b>TSO</b> conjunction with the <b>Other TSO</b> pursuant to SDC1.4.8.1.
<b>Individual Demand Site</b>	A single premises of a <b>Demand Customer</b> connected to the <b>Transmission System</b> or <b>Distribution System</b> with a <b>Demand Reduction Capability</b> . The <b>Individual Demand Site</b> shall have a <b>Maximum Import Capacity</b> and shall not have a <b>Maximum Export Capacity</b> .
<b>Initial Demand Reduction</b>	The <b>Demand Reduction</b> of a <b>Demand Side Unit</b> following a <b>Dispatch Instruction</b> from the <b>TSO</b> when the <b>Demand Reduction</b> is at 0 <b>MW</b> for a period greater than 24 hours.
<b>Initial Demand Reduction Time</b>	The time as specified by the <b>Dispatchable Demand Customer</b> in the <b>Technical Parameters</b> and is the time it takes for the <b>Dispatchable Demand Customer</b> to be able to implement the <b>Initial Demand Reduction</b> from receipt of the <b>Dispatch Instruction</b> from the <b>TSO</b> .
<b>Interconnector</b>	Electric lines and electric <b>Plant</b> used for conveying electricity or provision of <b>Reserves</b> from outside both of Northern Ireland and the Republic of Ireland directly to or from a substation or converter station in either Northern Ireland or the Republic of Ireland.
<b>Interconnector Filter</b>	A device within an HVDC <b>Interconnector</b> which prevents the transmission of harmonics to the <b>Transmission System</b> to which that <b>Interconnector</b> is connected and which also provides a means of controlling the <b>Mvar</b> flow to and from that HVDC <b>Interconnector</b> .
<b>Interconnector Owner</b>	A person who owns an <b>Interconnector</b> .
<b>Inter-jurisdictional Tie Line</b>	The lines, facilities and equipment that connect the transmission system of the Republic of Ireland to the transmission system of Northern Ireland.  <i>[Note: Please note that this definition was modified from the definition in the EirGrid Grid Code.]</i>
<b>Interested User</b>	<i>As defined in the Metering Code.</i>  <i>[Note: This definition applies to the SONI Grid Code only.]</i>
<b>Intermediary</b>	The person representing a <b>Generating Unit</b> for the purposes provided for in the <b>TSC</b> .

Defined Term	Definition
<b>Licence Standards</b>	SONI:  <i>The standards set out or referred to in Condition 20 of the TSO Licence.</i>  EirGrid:  <i>The standards set out or referred to in the TSO Licence.</i>
<b>Load</b>	The <b>Active Power</b> or <b>Reactive Power</b> , as the context requires, generated, transmitted or distributed and all like terms shall be construed accordingly.  <i>[Note: This definition was taken from the SONI Grid Code. The EG definition will be amended accordingly.]</i>
<b>Loading Rate</b>	The <b>Loading Rate Cold</b> , <b>Loading Rate Hot</b> or <b>Loading Rate Warm</b> as the case may be.
<b>Load Up Break Point Cold</b>	The break point which defines the shared MW boundary between the two <b>Loading Rates Cold</b> . The first <b>Loading Rate Cold</b> applies from <b>Block Load</b> to the first <b>Load Up Break Point Cold</b> , the second <b>Loading Rate Cold</b> applies from the first <b>Load Up Break Point Cold</b> to the second <b>Load Up Break Point Cold</b> , the third <b>Loading Rate Cold</b> applies from the second <b>Load Up Break Point Cold</b> to the end point of the <b>Start-Up</b> period, which should be set equal to the <b>Minimum Generation</b> .  <i>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC 1, was taken and modified from the TSC.]</i>
<b>Load Up Break Point Hot</b>	The break point which defines the shared MW boundary between the <b>Loading Rates Hot</b> . The first <b>Loading Rate Hot</b> applies from <b>Block Load</b> to the first <b>Load Up Break Point Hot</b> , the second <b>Loading Rate Hot</b> applies from the first <b>Load Up Break Point Hot</b> to the second <b>Load Up Break Point Hot</b> , the third <b>Loading Rate Hot</b> applies from the second <b>Load Up Break Point Hot</b> to the end point of the <b>Start-Up</b> period, which should be set equal to the <b>Minimum Generation</b> .  <i>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC 1, was taken and modified from the TSC.]</i>
<b>Load Up Break Point Warm</b>	The break point which defines the shared MW boundary between the <b>Loading Rates Warm</b> . The first <b>Loading rate</b> applies from <b>Block Load</b> to the first <b>Load Up Break Point Warm</b> , the second <b>Loading Rate Hot</b> applies from the first <b>Load Up Break Point Warm</b> to the second <b>Load Up Break Point Warm</b> , the third <b>Loading Rate Warm</b> applies from the second <b>Load Up Break Point Warm</b> to the end point of the <b>Start-Up</b> period, which should be set equal to the <b>Minimum</b>

Defined Term	Definition
	<p><b>Generation.</b></p> <p><i>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC 1, was taken and modified from the TSC.]</i></p>
<p><b>Loading Rate Cold</b></p>	<p>The rate at which a <b>Generating Unit</b> increases <b>Output</b> from <b>Block Load</b> to <b>Minimum Generation</b> when it is instructed to <b>Cold Start</b>. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</p> <p><i>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC 1, was taken and modified from the TSC.]</i></p>
<p><b>Loading Rate Hot</b></p>	<p>The rate at which a <b>Generating Unit</b> increases <b>Output</b> from <b>Block Load</b> to <b>Minimum Generation</b> when it is instructed to <b>Hot Start</b>. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</p> <p><i>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC 1, was taken and modified from the TSC.]</i></p>
<p><b>Loading Rate Warm</b></p>	<p>The rate at which a <b>Generating Unit</b> increases <b>Output</b> from <b>Block Load</b> to <b>Minimum Generation</b> when it is instructed to <b>Warm Start</b>. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</p> <p><i>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC 1, was taken and modified from the TSC.]</i></p>
<p><b>Low Frequency Relay</b></p>	<p>An electrical measuring relay intended to operate when its characteristic quantity (<b>Frequency</b>) reaches the relay settings by decrease in <b>Frequency</b>.</p> <p><i>[Note: Please note that this definition was taken from the SONI Grid Code.]</i></p>
<p><b>Market Operator</b></p>	<p>Shall have the meaning set out in the TSC.</p>
<p><b>Max Ramp Down Rate</b></p>	<p>The maximum <b>Ramp Down Rate</b> of a <b>Demand Side Unit</b>. In the case of a <b>Demand Side Unit</b> which consists of an <b>Aggregated Demand Site</b> this shall be the aggregated maximum <b>Ramp Down Rate</b> of the <b>Individual Demand Sites</b>.</p> <p><i>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC 1, was taken from the TSC.]</i></p>
<p><b>Max Ramp Up Rate</b></p>	<p>The maximum <b>Ramp Up Rate</b> of a <b>Demand Side Unit</b>. In the case of a <b>Demand Side Unit</b> which consists of an <b>Aggregated Demand Site</b> this shall be the aggregated maximum <b>Ramp Up Rate</b> of the</p>

Defined Term	Definition
	<p><b>Individual Demand Sites.</b></p> <p><i>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC 1, was taken from the TSC.]</i></p>
<b>Maximisation</b>	<p>SONI:</p> <p><i>An increase in MW Output above the Contracted Capacity up to the level of the Short Term Maximisation Capability, and the terms “Maximise” and “Maximised” shall be construed accordingly.</i></p> <p>EirGrid:</p> <p><i>An increase in MW Output above the Registered Capacity up to the level of the Short Term Maximisation Capability, and the terms “Maximise” and “Maximised” shall be construed accordingly.</i></p>
<b>Maximisation Instruction</b>	<p>A Dispatch instruction issued by the TSO to the Generator to Maximise the MW Output of a Generating Unit.</p>
<b>Maximum Down Time</b>	<p>The maximum period of time during which Demand Reduction at a Demand Side Unit can be Dispatched.</p> <p><i>[Note: Please note that this defined term is being introduced for the purposes of Part 1 of Appendix A to SDC1 and was taken from the TSC.]</i></p>
<b>Maximum Export Capacity</b>	<p>The value (in MW, MVA, kW and/or kVA) provided in accordance with the User’s Connection Agreement.</p>
<b>Maximum Import Capacity</b>	<p>The values (kW and/ or kVA) provided in accordance with the User’s Connection Agreement.</p>
<b>Maximum On Time</b>	<p>The maximum time that a Generating Unit can run following Start Up.</p> <p><i>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC 1, was modified from the definition in the TSC.]</i></p>
<b>Maximum Storage Capacity</b>	<p>The maximum amount of Energy that can be produced from the reservoir of a Pumped Storage Generator for a Trading Day.</p> <p><i>[Note: Please note that this defined term is being introduced for the purposes of Part 1 of Appendix A to SDC1.]</i></p>
<b>Merit Order</b>	<p>An order of CDGUs, Controllable WFPSs, Demand Side Units, Pumped Storage Plant Demand and Aggregated Generating Units Price Sets and/or Interconnector Price Quantity Pairs compiled by</p>

Defined Term	Definition
	the <b>TSO</b> in conjunction with the <b>Other TSO</b> pursuant to SDC 1.
<b>Meter Reconciliation Statement</b>	<p><i>As defined in the Metering Code.</i></p> <p><i>[Note: This definition applies to the SONI Grid Code only.]</i></p>
<b>Metering</b>	<p><i>As defined in the Metering Code.</i></p> <p><i>[Note: This definition applies to the SONI Grid Code only.]</i></p>
<b>Minimum Demand Regulation (MDR)</b>	<p>That minimum margin of <b>Active Power</b> to provide a sufficient regulating margin for adequate <b>Frequency Control</b>.</p> <p><i>[Note: Please note that this definition was modified from the definition in the SONI Grid Code.]</i></p>
<b>Minimum Down Time</b>	<p>The minimum period of time during which <b>Demand Reduction</b> at a <b>Demand Side Unit</b> can be <b>Dispatched</b>.</p> <p><i>(In the case of Generator Units, the minimum time that must elapse from the time of a <b>Generation Unit Shutdown</b> before it can be instructed to <b>Start-up</b>).</i></p> <p><i>[Note: Words in brackets apply to the EirGrid Grid Code only]</i></p> <p><i>[Note: Please note that this definition is being introduced for the purposes of Part 1 of Appendix A to SDC1.]</i></p>
<b>Minimum off time</b>	<p>EirGrid:</p> <p><i>The minimum time that must elapse from the time of a <b>Generation Unit Shutdown</b> before it can be instructed to <b>Start-up</b>.</i></p> <p>SONI:</p> <p><i>The minimum time that must elapse from the time of a <b>Generating Unit Shut Down</b> before it can be instructed to <b>Start-Up</b>.</i></p> <p><i>[Note: Please note that this definition is being introduced for the purposes of Part 1 of Appendix A to SDC1 and is taken from the EirGrid Grid Code.]</i></p>
<b>Minimum on time</b>	<p>EirGrid:</p> <p><i>The minimum time that must elapse from the time of a <b>Generation Unit Start-up</b> before it can be instructed to <b>Shutdown</b>.</i></p> <p>SONI:</p> <p><i>The minimum time that must elapse from the time of a <b>Generating Unit</b></i></p>

Defined Term	Definition
	<p><i>Start-Up</i> before it can be instructed to <i>Shut Down</i>.</p> <p><i>[Note: Please note that this definition is being introduced for the purposes of Part 1 of Appendix A to SDC1.]</i></p>
<b>Minimum Storage Capacity</b>	<p>The minimum amount of <b>Energy</b> that must be produced from the reservoir of a <b>Pumped Storage Generator</b> for a <b>Trading Day</b>.</p> <p><i>[Note: Please note that this defined term is being introduced for the purposes of Part 1 of Appendix A to SDC1.]</i></p>
<b>Minimum Generation</b>	<p>The minimum <b>MW Output</b> which a <b>Generating Unit</b> can generate continuously, registered with the <b>TSO</b> under SDC1 as a <b>Technical Parameter</b>.</p> <p><i>[Note: Please note that this definition was modified from the definition in the EirGrid and SONI Grid Codes.]</i></p>
<b>MW Output</b>	<p><i>The actual Active Power</i> output in MW of a <b>Generation Unit</b> at the <b>Connection Point</b> .</p> <p><i>[Note: Please note that this definition will apply to the EirGrid Grid Code only. SONI use the defined term “Output”.]</i></p>
<b>NI System</b>	<p><i>In SONI Code:</i></p> <p><i>Together, the Transmission System and the Distribution System.</i></p> <p><i>In EirGrid (proposed definition):</i></p> <p><i>Together, the Other Transmission System and the distribution system in Northern Ireland.</i></p>
<b>No Load Cost</b>	<p>A price which forms part of <b>Commercial Offer Data</b> expressed in € or £/hour and which is invariant in the level of <b>MW Output</b> and which applies at all times when the level of <b>MW Output</b> is greater than zero.</p>
<b>Non-Centrally Dispatched Generating Units (NCDGU)</b>	<p>A <b>Generating Unit</b> not subject to <b>Central Dispatch</b>.</p> <p><i>[Note: This has been adapted from the EirGrid and SONI Grid Codes.]</i></p>
<b>Nomination Profile</b>	<p>The profile of the <b>MW Output</b> intended for a <b>Generating Unit</b> in respect of each <b>Trading Period</b> in the <b>Trading Day</b> as submitted under the <b>TSC</b>.</p>
<b>Open Cycle Mode</b>	<p>The mode of operation of a <b>CCGT Installation</b> where only the <b>Gas Turbine Unit</b> is operational (i.e. without operation of any associated <b>Steam Turbine Units</b>).</p>

Defined Term	Definition
<b>Open Cycle Gas Turbine Unit</b>	<p><i>SONI:</i></p> <p><i>A <b>Generating Unit</b> driven by a gas turbine other than a <b>CCGT Installation</b> or <b>CCGT Module</b>.</i></p> <p><i>EirGrid:</i></p> <p><i>A <b>Generation Unit</b> driven by a gas turbine other than a <b>CCGT Installation</b> or <b>CCGT Unit</b>.</i></p>
<b>Operating Mode</b>	<p>An <b>Operating Mode</b> of a <b>Generating Unit</b> is a pre-defined method of operating that <b>Generating Unit</b>, as agreed between the <b>TSO</b> and the <b>User</b>.</p> <p><i>[Note: Please note that this definition was taken from the EirGrid Grid Code.]</i></p>
<b>Optimisation Time Horizon</b>	<p>The time period from and including 06:00 hours on the relevant <b>Trading Day</b> up to but not including 12:00 hours on the subsequent <b>Trading Day</b>.</p> <p><i>[Note: Please note that this definition was taken and modified from the TSC.]</i></p>
<b>Other Grid Code</b>	<p><i>SONI:</i></p> <p><i>The code prepared by the <b>Other TSO</b> pursuant to section 33 of the Electricity Act 1999 of the Republic of Ireland, and approved by the relevant regulatory authority, as from time to time revised, amended, supplemented or replaced with the approval of or at the instance of the relevant regulatory authority.</i></p> <p><i>EirGrid:</i></p> <p><i>The code prepared pursuant to the licence to carry out electricity transmission activities granted to the <b>Other TSO</b> pursuant to Article 10(1)(b) of the Electricity (Northern Ireland) Order 1992 in Northern Ireland, as from time to time revised in accordance with such licence.</i></p>
<b>Other Relevant Data</b>	<p>The data from a <b>User</b> referred to in SDC1.4.4.4.</p>
<b>Other TSO</b>	<p><i>SONI:</i></p> <p><i>The holder of a licence granted pursuant to Section 14 of the <b>Electricity Regulation Act 1999</b> in the Republic of Ireland to operate a <b>Transmission System</b>.</i></p> <p><i>EirGrid:</i></p> <p><i>The holder of a licence granted pursuant to Article 10(1)(b) of the</i></p>

Defined Term	Definition
	<i>Electricity (Northern Ireland) Order 1992 in Northern Ireland to operate a <b>Transmission System</b>.</i>
<b>Other Transmission System</b>	SONI: <i>The transmission system operated by the <b>Other TSO</b> in the Republic of Ireland.</i>  EirGrid: <i>The transmission system operated by the <b>Other TSO</b> in Northern Ireland.</i>
<b>Output</b>	<i>The actual <b>Active Power</b> output in <b>MW</b> of a <b>Generating Unit</b> at the <b>Connection Point</b> derived from data measured pursuant to the <b>Metering Code</b>.</i>  <i>[Note: Please note that this definition will apply to the SONI Grid Code only. EirGrid use the defined term “MW Output”.]</i>  <i>[Note: Further consideration is being given as to whether this definition is suitable for legacy generation in the North and whether there are any issues relating to losses on the Interconnector.]</i>
<b>Price Quantity Pairs</b>	<b>Incremental Prices</b> and their respective quantity ranges for <b>Generating Units, Demand Side Units, Aggregated Generating Units</b> and <b>Interconnector</b> tranches as part of <b>Commercial Offer Data</b> .
<b>Price Sets</b>	The <b>Price Quantity Pairs, Start-up Costs, Shutdown Costs</b> and <b>No Load Costs</b> submitted by a <b>User</b> under SDC1.
<b>Priority Dispatch</b>	The <b>Dispatch</b> given priority, as afforded under governing legislation in either jurisdiction.
<b>Pumped Storage Plant Demand</b>	The amount of electrical <b>Energy</b> consumed by a <b>Pumped Storage Plant</b> in pumping water to an upper reservoir
<b>Pumped Storage Generation</b>	The production of electrical <b>Energy</b> produced by a <b>Pumped Storage Plant</b> in releasing water from an upper reservoir.
<b>Pumped Storage Generator</b>	A <b>Generator</b> which owns and/or operates any <b>Pumped Storage Plant</b> .  <i>[Note: Please note that this definition was taken from the EirGrid Grid Code.]</i>
<b>Pumped Storage Plant</b>	A <b>Generation Plant</b> that produces <b>Active Energy</b> using water from an upper reservoir and consumes <b>Energy</b> by pumping water up to the

Defined Term	Definition
	<p>same reservoir.</p> <p><i>[Note: Please note that this definition was taken from the EirGrid Grid Code.]</i></p>
<b>Ramp Down Break Point</b>	<p>The MW level at which the <b>Ramp Down Rate</b> changes. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</p>
<b>Ramp Down Rate</b>	<p>SONI:</p> <p><i>The maximum rate of decrease in a <b>Generating Unit's Output</b>. The <b>Ramp Down Rate</b> applies over the output range from its <b>Contracted Capacity</b> to <b>Minimum Generation</b>. The rate of change is not dependent upon the initial <b>Warmth</b> of the plant but may depend on the <b>MW Output</b>. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</i></p> <p>EirGrid:</p> <p><i>The maximum rate of decrease in a <b>Generating Unit's Output</b> after the <b>End Of Start-up Period</b>. The <b>Ramp Down Rate</b> applies over the output range from its <b>Registered Capacity</b> to <b>Minimum Generation</b>. The rate of change is not dependent upon the initial <b>Warmth</b> of the plant but may depend on the <b>MW Output</b>. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</i></p> <p><i>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC 1, was taken from the EirGrid Grid Code]</i></p>
<b>Ramp Up Break Point</b>	<p>The MW level at which the <b>Ramp Up Rate</b> changes. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</p>
<b>Ramp Up Rate</b>	<p>SONI:</p> <p><i>The maximum rate of increase in a <b>Generating Unit's Output</b>. This rate of increase continues until the <b>Generating Unit</b> reaches the level of output instructed by the control room operator of its <b>Contracted Capacity</b>. The rate of increase is not dependent upon the initial <b>Warmth</b> of the plant but may depend on the <b>MW Output</b>. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</i></p> <p>EirGrid</p> <p><i>The maximum rate of increase in a <b>Generating Unit's Output</b> after the <b>End Of Start-up Period</b>. This rate of increase continues until the</i></p>

Defined Term	Definition
	<p><b>Generating Unit</b> reaches the level of output instructed by the control room operator of its <b>Registered Capacity</b>. The rate of increase is not dependent upon the initial <b>Warmth</b> of the plant but may depend on the <b>MW Output</b>. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</p> <p>[Note: Please note that this definition, which was introduced for Part 1 of Appendix A to SDC 1, was taken from the EirGrid Grid Code’s definition for Ramp Up Capability.]</p>
<b>Re-declaration</b>	Notification to the TSO by the <b>User</b> of any revisions to data, pursuant to SDC1.4.5.
<b>Regulatory Authority/Regulatory Authorities</b>	<p><b>Regulatory Authority:</b> The authority appointed under legislation to regulate the electricity industry in the respective jurisdiction. In the Republic of Ireland it is the <b>Commission</b> and in Northern Ireland it is <b>NIAUR</b> (Northern Ireland Authority for Utility Regulation).</p> <p><b>Regulatory Authorities:</b> Each <b>Regulatory Authority</b> taken together.</p> <p>[Note: Please note that this definition applies to the EirGrid Code only.]</p>
<b>Regulating Margin</b>	The margin of generating capacity that is <b>Synchronised</b> over <b>Demand</b> which is required in order to maintain <b>Frequency Control</b> .
<b>Reserve Characteristics</b>	<p>SONI:</p> <p>The MW level of reserve available at any given MW <b>Output</b> of a <b>CDGU</b> as set out in the <b>Sustained Load Diagram</b>.</p> <p>EirGrid:</p> <p>The MW level of reserve available at any given MW <b>Output</b> of a <b>CDGU</b> as set out in the available <b>Ancillary Service Agreement</b>.</p>
<b>Scheduling</b>	The process of compiling an <b>Indicative Operations Schedule</b> as set out in SDC1, and the term “ <b>Scheduled</b> ” and like terms shall be construed accordingly.
<b>Scheduling and Dispatch Code (SDC)</b>	The parts of the <b>Grid Code</b> which specify the <b>Scheduling</b> and <b>Dispatch</b> process.
<b>Sections Under Common Governance</b>	In order to support the efficient running of the <b>Single Electricity Market</b> certain sections of the <b>Grid Code</b> and the <b>Other Grid Code</b> are under common governance. Modifications and derogations to these sections of the <b>Grid Code</b> will effectively require agreement and direction from the <b>Authority</b> and the <b>Other Authority</b> /from the relevant <b>Regulatory Authorities</b> and the <b>TSOs</b> . SDC1 and SDC2 are

Defined Term	Definition
	<p><b>Sections Under Common Governance.</b></p> <p><i>[Note: Please note that “Authority” and “Other Authority” will be referred to in the SONI Grid Code and “Regulatory Authorities” will be referred to in the EirGrid Grid Code.]</i></p>
<b>Short Notice Re-declaration</b>	<p>A <b>Re-declaration</b> where changes apply to values relating to <b>Trading Periods</b> occurring within 4 hours of receipt by the <b>TSO</b> of the <b>Re-declaration</b>.</p>
<b>Short Term Maximisation Capability</b>	<p>EirGrid:</p> <p><i>The capability of a <b>Generating Unit</b> to deliver, for a limited duration of time, <b>MW Output</b> greater than its <b>Registered Capacity</b>.</i></p> <p>SONI:</p> <p><i>The capability of a <b>Generating Unit</b> to deliver, for a limited duration of time, <b>MW Output</b> greater than its <b>Contracted Capacity</b>.</i></p> <p><i>[Note: Please note that this definition was taken and modified from the EirGrid Grid Code.]</i></p>
<b>Shutdown</b>	<p><i>The condition of a <b>Generating Unit</b> where the generator rotor is at rest or on barring.</i></p> <p><i>[Note: This term applies to SONI only]</i></p>
<b>Shut Down</b>	<p><i>The condition of a <b>Generation Unit</b> where the generator rotor is at rest or on barring.</i></p> <p><i>[Note: This term applies to EirGrid only]</i></p>
<b>Shutdown Cost or Shut Down Cost</b>	<p>The costs associated with shutting down a <b>Demand Side Unit</b>.</p>
<b>Single Electricity Market (SEM)</b>	<p>The wholesale all-island single electricity market established and governed pursuant to the relevant legislation and the <b>TSC</b>.</p> <p><i>[Note: Please note that this definition was taken from the TSC.]</i></p>
<b>Soak Time Cold</b>	<p>The duration of time for which the <b>Generating Unit</b> must remain at the <b>Soak Time Trigger Point Cold</b> during a <b>Cold Start</b>. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</p> <p><i>[Note: Please note that this definition, which is being introduced for the purposes of Part 1 of Appendix A to SDC1, is taken and modified</i></p>

Defined Term	Definition
	<i>from the TSC.]</i>
<b>Soak Time Hot</b>	<p>The duration of time for which the <b>Generating Unit</b> must remain at the <b>Soak Time Trigger Point Hot</b> during a <b>Hot Start</b>. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</p> <p><i>[Note: Please note that this definition, which is being introduced for the purposes of Part 1 of Appendix A to SDC1, is taken and modified from the TSC.]</i></p>
<b>Soak Time Trigger Point Cold</b>	<p>A constant MW level at which a <b>Generating Unit</b> must remain while loading up between <b>Block Load</b> and <b>Minimum Generation</b> after a <b>Cold Start</b>. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</p> <p><i>[Note: Please note that this definition, which is being introduced for the purposes of Part 1 of Appendix A to SDC1, is taken from the TSC.]</i></p>
<b>Soak Time Trigger Point Hot</b>	<p>A constant MW level at which a <b>Generating Unit</b> must remain while loading up between <b>Block Load</b> and <b>Minimum Generation</b> after a <b>Hot Start</b>. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</p> <p><i>[Note: Please note that this definition, which is being introduced for the purposes of Part 1 of Appendix A to SDC1, is taken and modified from the TSC.]</i></p>
<b>Soak Time Trigger Point Warm</b>	<p>A constant MW level at which a <b>Generating Unit</b> must remain while loading up between <b>Block Load</b> and <b>Minimum Generation</b> after a <b>Warm Start</b>. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</p> <p><i>[Note: Please note that this definition, which is being introduced for the purposes of Part 1 of Appendix A to SDC1, is taken and modified from the TSC.]</i></p>
<b>Soak Time Warm</b>	<p>The duration of time for which the <b>Generating Unit</b> must remain at that <b>Soak Time Trigger Point Warm</b> during a <b>Warm Start</b>. [There may be circumstances where more than one parameter applies and this is indicated by adding a number at the end of the parameter.]</p> <p><i>[Note: Please note that this definition, which is being introduced for the purposes of Part 1 of Appendix A to SDC1, is taken and modified from the TSC.]</i></p>

Defined Term	Definition
<b>Special Action</b>	Those actions referred to in SDC2.4.3.
<b>Special Protection Scheme</b>	A control or protection scheme to facilitate system operation by the intertripping of circuit breakers or other <i>control actions/Control Action</i> .  <i>[Note: Control Actions is used as a defined term in the EirGrid Grid Code.]</i>
<b>Standing Technical Offer Data</b>	Technical offer data provided on registration to the TSC, and updated in accordance with the TSC, by a <b>User</b> of each of its <b>Units</b> in accordance with the TSC.  <i>[Note: Please note that further consideration is being given to the definition of this term.]</i>
<b>Start-Up Cost</b>	The costs associated with <b>Start-Ups</b> .
<b>Synchronous Compensation</b>	The operation of rotating synchronous <b>Apparatus</b> for the specific purpose of either the <i>generation/Generation</i> or absorption of <b>Reactive Power</b> .  <i>[Note: Please note that “Generation” is defined in the EirGrid Grid Code but not the SONI Grid Code.]</i>
<b>Synchronous Start-Up Time Cold</b>	The time taken to bring a <b>Generating Unit</b> to a <b>Synchronised</b> state from a <b>Cold (De-Synchronised)</b> state.  <i>[Note: Please note that this definition, which is being introduced for the purposes of Part 1 of Appendix A to SDC1, is taken and modified from the TSC.]</i>
<b>Synchronous Start-Up Time Hot</b>	The time taken to bring a <b>Generating Unit</b> to a <b>Synchronised</b> state from a <b>Hot (De-Synchronised)</b> state.  <i>[Note: Please note that this definition, which is being introduced for the purposes of Part 1 of Appendix A to SDC1, is taken and modified from the TSC.]</i>
<b>Synchronous Start-Up Time Warm</b>	The time taken to bring a <b>Generating Unit</b> to a <b>Synchronised</b> state from a <b>Warm (De-Synchronised)</b> state.  <i>[Note: Please note that this definition, which is being introduced for the purposes of Part 1 of Appendix A to SDC1, is taken and modified from the TSC.]</i>
<b>System</b>	SONI:  <i>Any User System and/or the NI System as the case may be.</i>

Defined Term	Definition
	<p>EirGrid:</p> <p><i>Any <b>User System</b> and/or the <b>Transmission System</b> as the case may be.</i></p>
<p><b>System Support Services</b></p>	<p>SONI:</p> <p><i>Has the meaning set out in Condition 1 of the <b>TSO Licence</b>.</i></p> <p>EirGrid:</p> <p><i>Those services defined as <b>System Support Services</b> in Condition 1 of the <b>TSO Licence</b> granted to the <b>Other TSO</b>.</i></p>
<p><b>Target Reservoir Levels</b></p>	<p>Part of the <b>Commercial Offer Data</b> for a <b>Pumped Storage Generating Unit</b> and means the target level of the reservoir for the end of the <b>Trading Day</b>.</p> <p><i>[Note: Please note that this definition was taken from the TSC.]</i></p>
<p><b>Target Reservoir Level Percentage</b></p>	<p>As defined in the TSC.</p>
<p><b>Target Frequency</b></p>	<p>SONI:</p> <p><i>That <b>Frequency</b> determined by the <b>TSO</b>, in its reasonable opinion, as the desired operating <b>Frequency</b> of the <b>Total System</b>. This will normally be 50.00Hz plus or minus 0.05Hz, except in exceptional circumstances as determined by the <b>TSO</b>, in its reasonable opinion when this may be 49.90 or 50.10Hz.</i></p> <p>EirGrid:</p> <p><i>That <b>Frequency</b> determined by the <b>TSO</b>, in its reasonable opinion, as the desired operating <b>Frequency</b> of the <b>Power System</b>.</i></p>
<p><b>Technical Parameters</b></p>	<p>SONI:</p> <p><i>Those parameters listed in <b>Appendix A</b> to <b>SDC1</b> relating to <b>CDGUs</b>.</i></p> <p>EirGrid:</p> <p><i>The technical capabilities, flexibilities and limitations for the operation of a <b>User's Plant</b> as registered or declared in accordance with the provisions of the <b>Grid Code</b> including those parameters listed in <b>Appendix A</b> to <b>SDC1</b> relating to <b>CDGUs</b> and <b>Demand Side Units</b>.</i></p> <p><i>[Note: Please note that the definitions above were taken respectively from the SONI and EirGrid Grid Codes.]</i></p>

Defined Term	Definition
<b>Technical Parameters Notice</b>	A notification as submitted under SDC1.4.4.1.
<b>Testing</b>	<p>SONI:</p> <p><i>Testing carried out by the TSO pursuant to OC11.6 of CDGUs and Users' Equipment and the term "Test" shall be construed accordingly.</i></p> <p>EirGrid:</p> <p><i>Testing carried out by the TSO pursuant to OC10 and/or CC and the term "Test" shall be construed accordingly.</i></p>
<b>Thermal Plant</b>	A <b>Generating Unit</b> that uses any source of thermal <b>Energy</b> .
<b>Trading and Settlement Code (TSC)</b>	<p>The Single Electricity Market Trading and Settlement Code adopted by the <b>Market Operator</b> and approved by the <i>Regulatory Authorities / by the Authority and the Other Authority</i>.</p> <p><i>[Note: Please note that the EirGrid Grid Code defines the term "Regulatory Authority".]</i></p>
<b>Trading Day</b>	A 24-hour period combining forty-eight 30 minute <b>Trading Periods</b> (except on the clock change days in spring and autumn when the period will be 23 and 25 hours respectively with forty-six and fifty 30 minute <b>Trading Periods</b> respectively). Each <b>Trading Day</b> commences at 06.00 hours. <i>For PPA CDGUs references to Trading Day in the Scheduling and Dispatch Code shall be read as if they were references to Schedule Day for the purposes of the Power Station Agreements and Generating Unit Agreements.</i>
<b>Trading Period</b>	A thirty minute period beginning on each hour or half hour.
<b>Transmission System</b>	<p>SONI:</p> <p><i>The System consisting (wholly or mainly) of high voltage electric lines and cables operated by a TSO for the purposes of transmission of electricity from one Power Station to a sub-station or to another Power Station or between sub-stations or to or from any External Interconnection including any Plant and Apparatus and meters owned or operated by the TSO or TO in connection with the transmission of electricity.</i></p> <p>EirGrid:</p> <p><i>The System consisting (wholly or mainly) of high Voltage electric lines and cables operated by a TSO for the purposes of transmission of electricity from one Power Station to a sub-station or to another Power Station or between sub-stations or to or from any External Interconnection including any Plant and Apparatus and meters owned</i></p>

Defined Term	Definition
	<i>or operated by the <b>TSO</b> or <b>TAO</b> in connection with the transmission of electricity.</i>
<b>Transmission System Operator (TSO)</b>	<p><i>In EirGrid:</i></p> <p><i>The holder of the <b>Licence</b> granted pursuant to Section 14 of the <b>Electricity Regulation Act 1999</b> to operate a <b>Transmission System</b>.</i></p> <p><i>In SONI:</i></p> <p><i>The holder of the <b>Licence</b> granted pursuant to Article 10(1)(b) of the <b>Electricity (Northern Ireland) Order 1992</b> to operate a <b>Transmission System</b>.</i></p>
<b>TSO Licence</b>	A <b>Licence</b> authorising a <b>TSO</b> to carry out electricity transmission activities, granted either pursuant to Article 10(1)(b) of the Electricity (Northern Ireland) Order 1992 in Northern Ireland or pursuant to section 14 of the Electricity Regulation Act 1999 in the Republic of Ireland.
<b>Under Test Flag</b>	The flag indicating the under test status accorded to certain <b>Generating Units</b> by the <b>TSO</b> in accordance with the relevant <b>Grid Code</b> . <b>Under Test</b> in accordance with the <b>TSC</b> is subject to the requirements both that the <b>Market Operator</b> has verified the status with the <b>TSO</b> and that the relevant <b>Unit</b> is so permitted as set out in paragraph 5.169 of the <b>TSC</b> .
<b>Var</b>	<p>A single unit of <b>Reactive Power</b>.</p> <p><i>[Note: Please note that this definition has been taken from the SONI Grid Code.]</i></p>
<b>Voltage Control</b>	<p>SONI:</p> <p><i>The retention of the voltage on the <b>System</b> within acceptable limits.</i></p> <p><i>[Note: Please note that this definition was modified from the definition in the EirGrid Grid Code.]</i></p> <p>EirGrid:</p> <p><i>The retention of the <b>Voltage</b> on the <b>System</b> within acceptable limits.</i></p>
<b>Warm Cooling Boundary</b>	<p>The period of time, which must be greater than that defined by the <b>Hot Cooling Boundary</b>, post <b>De-Synchronisation</b> of a <b>Generating Unit</b> after which the <b>Generating Unit's Warmth State</b> transfers from being warm to cold.</p> <p><i>[Note: Please note that this definition, which is being introduced for the purposes of Part 1 of Appendix A to SDC1, is modified from the</i></p>

Defined Term	Definition
	<i>definition in the TSC.]</i>
<b>Warm Start</b>	<p>Any <b>Synchronisation</b> of a <b>Generating Unit</b> that has previously not been <b>Synchronised</b> for a period of time equal to or longer than its submitted <b>Hot Cooling Boundary</b> but shorter than its submitted <b>Warm Cooling Boundary</b>.</p> <p><i>[Note: Please note that this definition was taken from the TSC and was introduced for the purposes of Appendix A to SDC1.]</i></p>
<b>Warmth</b>	<p>SONI:</p> <p><i>The temperature related condition of a CDGU which changes according to the length of time since the CDGU was last De-Synchronised, expressed as various levels of warmth (for example "hot", "warm" and "cold") as may be specified (dependent upon the design of the CDGU) in the Generating Unit Agreement relating to that CDGU.</i></p> <p>EirGrid:</p> <p><i>The temperature related condition of a CDGU which changes according to the length of time since the CDGU was last De-Synchronised, expressed as various levels of warmth (dependent upon the design of the CDGU).</i></p> <p><i>[Note: Please note that this definition was taken from the SONI Grid Code.]</i></p>
<b>Warmth State</b>	<p>Either cold, warm or hot, as defined under the timeframes since last <b>De-Synchronisations</b> for <b>Cold Start</b>, <b>Warm Start</b> or <b>Hot Start</b> respectively.</p> <p><i>[Note: Please note that this definition, which is being introduced for the purposes of Part 1 of Appendix A to SDC1]</i></p>

Defined Term	Definition
<b>Within-Day Test</b>	<p data-bbox="544 309 624 338">SONI:</p> <p data-bbox="544 371 1374 472"><i>[A <b>Test</b> with a total duration of less than 6 hours in any <b>Trading Day</b>, where the <b>Active Power</b> produced during the total duration of the test is less than:</i></p> <p data-bbox="544 506 1342 607"><i>(i) 3 times the <b>Active Power</b> which would be produced by the <b>Plant</b> undergoing a <b>Test</b> during 1 hour of operation at the <b>Plant's Registered Capacity</b>;</i></p> <p data-bbox="544 640 703 674"><i>(ii) 500MWh]</i></p> <p data-bbox="544 707 1358 741"><i>[Note: Please note that this definition is being considered further.]</i></p> <p data-bbox="544 775 639 804">EirGrid:</p> <p data-bbox="544 837 1358 938"><i>An <b>Operational Test</b> with a total duration of less than 6 hours in any <b>Trading Day</b>, where the <b>Active Energy</b> produced during the total duration of the test is less than:</i></p> <p data-bbox="544 972 1374 1072"><i>(i) 3 times the <b>Active Energy</b> which would be produced by the <b>Test Proposer's Plant</b> during 1 hour of operation at the <b>Plant's Registered Capacity</b>;</i></p> <p data-bbox="544 1106 703 1140"><i>(ii) 500MWh.</i></p>