

## SONI Grid Code Modification Proposal Form

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### Title of Modification Proposal:

SPID (SONI PROPOSAL ID) **SPID\_05\_2023**

Date:	07 September 2023		
Company Name:	SONI		
Applicant Name:	Grid Code team		
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Grid Code Version:	SONI Grid Code version – June 2023 [Latest Version] <a href="https://www.soni.ltd.uk/media/documents/SONI-Grid-Code-June-2023.pdf">https://www.soni.ltd.uk/media/documents/SONI-Grid-Code-June-2023.pdf</a>		
Grid Code Section(s) Impacted by Modification Proposal:	Introduction Glossary and Definitions Planning Code Appendix C, Planning Data Requirements for the DNO Planning Code Appendix D, Modelling Requirements for Users Connection Conditions Operating Code No.4 Demand Control Operating Code No.7 Contingency Planning		
Modification Proposal Justification:	<p>The Network Code Demand Connection Code is one of three Connection Codes which form part of the European Network Codes. It seeks to provide a clear legal framework for grid connections and facilitate electricity trading whilst ensuring system security, facilitating the integration of demand side system services and ensuring a more efficient use of the network.</p> <p>DCC ‘entered into force’ on 7 September 2016, and applies to demand Units, demand facilities, distribution systems and closed distribution systems that conclude a final and binding contract for the purchase of their main plant after 7 September 2018.</p> <p>This modification is required to ensure the SONI Grid Code is inclusive of the Demand Connection Code requirements, with the exception of Articles 27-30 which are to be addressed as appropriate</p>		

### Red-line Version of Impacted Grid Code Section(s) - show proposed changes to text:

Deleted text in ~~strike through font~~ and new text highlighted in **blue font**

Refer to SPID_05_2023_DCC_proposal_redline	
<b>Green-line Version of Impacted Grid Code Section(s) - show proposed final text:</b>  Refer to SPID_05_2023_DCC_proposal_greenline	
<b>Defined Terms (Bold):</b>	
<b>Closed Distribution System</b>	A <b>System</b> which distributes electricity within a geographically confined industrial, commercial or shared services site and does not supply household customers, without prejudice to incidental use by a small number of households located within the area served by the <b>System</b> and with employment or similar associations with the owner of the <b>System</b> . This is a separate system to the <b>Distribution System</b> .
<b>Closed Distribution Systems Operator</b>	An entity which is responsible for, amongst other things, the planning, development, operation and maintenance of a <b>Closed Distribution System</b> .
<b>DCC Unit</b>	A <b>Large Demand Customer</b> , <b>Closed Distribution System</b> or <b>Distribution System</b> that is not a <b>Non-DCC Unit</b> .
<b>Demand Facility</b>	A facility which consumes electrical energy and is connected at one or more <b>Connection Points</b> to the <b>Transmission System</b> . The <b>Distribution System</b> and/or auxiliary supplies of a <b>Generation Unit</b> do not constitute a <b>Demand Facility</b> .
<b>Distribution Facility</b>	The <b>Distribution System</b> or a <b>Closed Distribution System</b>
<b>Facility</b>	The <b>User's</b> facility located at the <b>Connection Site</b> including the <b>User's Plant</b> and <b>Apparatus</b> plus the <b>Plant</b> and <b>Apparatus</b> to be installed at the <b>User's</b> side of the <b>Connection Point</b> necessary to effect the connection
<b>Large Demand Customer</b>	A <b>Customer</b> which is connected to the <b>Transmission System</b> . A <b>Distribution Facility</b> and/or auxiliary supplies of a <b>Generating Unit</b> do not constitute a <b>Large Demand Customer</b> . A <b>Demand Facility</b> is a <b>Large Demand Customer</b> .
<b>Non-DCC Unit</b>	A <b>Large Demand Customer</b> , <b>Closed Distribution System</b> or <b>Distribution System</b> with a signed <b>Connection Agreement</b> :  a.Connected to the <b>NI System</b> on or before the 7th September 2019; or b.Whose owner has concluded a final and binding contract for the purchase of the main <b>Plant</b> on or before the 7th September 2019 and provides evidence of

	<p>same, as acknowledged by the <b>TSO</b>, on or before the 7th March 2020. Such evidence shall at least contain the contract title, its date of signature and date of entry into force, and the specifications of the main <b>Plant</b> to be constructed, assembled, or purchased; or</p> <p>c. Is an exception to the applicability of the <b>DCC Unit</b> requirements and is a <b>Non-DCC Unit</b> such as a <b>Pumped Storage Plant</b> that has both generating and pumping operation mode.</p> <p>An existing <b>Demand Facility, Closed Distribution System</b> or <b>Distribution System</b> that undergoes modernisation, refurbishment or replacement of equipment which drives a modification to its <b>Connection Agreement</b>, and has concluded a final and binding contract for the purchase of the <b>Plant</b> being modified after the 7th September 2019 will be deemed a <b>DCC Unit</b>, unless the <b>Plant</b> being modified is one of the exceptions listed in c) above.</p> <p>If an existing <b>Demand Facility</b> undergoes modernisation, refurbishment or replacement of equipment, part or all of the DCC requirements will apply to the appropriate item of <b>Plant</b> or <b>Apparatus</b>.</p> <p>If an existing <b>Closed Distribution System</b> or <b>Distribution System</b> undergoes modernisation, refurbishment or replacement of equipment, part or all of the DCC requirements will apply to the appropriate item of <b>Plant</b> or <b>Apparatus</b> at the facility.</p>
<b>Implication of Not Implementing the Modification:</b>	<p>The SONI Grid Code would not be inclusive of the DCC Network Code requirements.</p> <p>DCC Units would be required to review the DCC Network Code, SONI DCC Requirements and SONI Grid Code in order to ascertain all requirements for DCC Units.</p>
<b>Assessment</b>	<p><b><u>Overview:</u></b></p> <p>The purpose of this modification is to incorporate the requirements set out in the EU Network Codes related to Demand Connections into the SONI Grid Code.</p> <p><b><u>Background:</u></b></p> <p>Commission Regulation (EU) 2016/1388 of 17 August 2016 establishing a Network Code on Demand Connection (hereafter referred to as DCC) aims to</p>

	<p>establish a set of common, minimum requirements and principles for demand connections across EU Member states to enable the appropriate use of demand facilities' and distribution systems' capabilities to increase system security, facilitate trade and assist in the integration of renewable sources.</p> <p>SONI and NIE Networks submitted our Proposal for the General Application of the DCC Requirements for Northern Ireland to the Utilities Regulator on 21 September 2018.</p> <p>On 09.04.19 The Utility Regulator issued a decision paper, granting part-approval of the DCC Requirements.</p> <p>This proposed update to the SONI Grid Code to incorporate the DCC Requirements will undergo a consultation period.</p> <p>Following the conclusion of the consultation period, SONI will update the proposed Grid Code modification as required. In addition, SONI will update our Proposal for the General Application of the DCC Requirements for Northern Ireland and re-submit to the Utilities Regulator for final approval.</p> <p><b><u>Analysis &amp; Opinion:</u></b></p> <p>The modification is in line with the DCC Network Code and the UR part-approved DCC Requirements.</p> <p><b><u>Conclusion:</u></b></p> <p>This modification is required to ensure the SONI Grid Code is inclusive of the DCC Network Code requirements.</p>
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