



## **Preliminary Enquiry Form – Chapter 5**

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27.04.18

# Preliminary Enquiry Form – Chapter 5



<b>Connection Applicant (Embedded Generating Unit Owner)</b>	
Business name:	
ABN:	
Contact name:	
Address:	
Telephone number:	
E-mail address:	
<b>Proponent (Agent) acting and working on behalf of the above Connection Applicant.</b>	
Business name:	
ABN:	
Contact name:	
Address:	
Telephone number:	
E-mail address:	
<p>Connection applicant's (Owner) confirmation the nominated agent is acting on their behalf for the connection application process.</p> <p>(Owner's confirmation statement, letter with signature/date or email with signature).</p>	

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<b>Additional Information</b>	
Generating plant proposed installation address:	
<p>Qualitative description of proposal? (What is the purpose, objective and functional intent of the Generating unit: demand off-set, power export, district power system, etc...).</p> <p>If required a separate document to accompany the Preliminary Enquiry Form.</p>	
Does the Generating unit seek to provide non-network support of published network constraint? (Y/N)	
Is the Generating unit exempt from AEMO registration (i.e. less than 5MW capacity)? (Y/N)	
Is the Generating unit to be registered as a Small Generator Aggregator (SGA) with AEMO? (Y/N)	
Is the Generating unit: (Market / non-market)	
Is the Generating unit: (Scheduled / semi-scheduled / non-scheduled dispatch).	
Concept Single Line Diagram (SLD) of proposal	
Plant type and configuration (e.g. number and type of generating units)?	
Envisaged operational date (i.e. service date)?	
Generating plant technology: Synchronous machine, Inverter or other (if other, please specify).	
Type of plant (e.g. gas turbine, reciprocating engine, Solar PV, Wind etc...)	
<p>Nature of any disturbing load:</p> <p>(size of disturbing component MW/MVAr, duty cycle, nature of power electronic plant which may produce harmonic distortion).</p>	

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<p>Maximum power generation or demand of whole plant: (maximum MW and/or MVA, or average over 15 minutes or similar).</p>	
<p>Expected total generation energy production per month or annum (MWh):</p>	
<p>Expected operating hours: (Hours and days of operation: Mon – Fri, 7am to 11pm etc....)</p>	
<p>Other information such as temporary power supply requirement (if any) during construction.</p>	
<p>Additional information sought by the Connection Applicant in accordance with NER 5.3A.5 (c) (3).  Please include the supporting reasons for these request(s) and submit as a separate attachment with the 'Preliminary Enquiry Form'.</p>	

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## Schedule 2

### Generator and generating plant information

1. Generator	Customer: ABN: Address: Telephone: E-mail: Attention:																																																
2. Generating plant	Description: Technology: Generator Manufacturer: Model: Machine rating:            MW																																																
3. Number of units																																																	
4. Maximum export capacity	MW																																																
5. Generator Impedances	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;"></th> <th style="width: 10%; text-align: center;">G1</th> <th style="width: 10%; text-align: center;">G2</th> <th style="width: 10%; text-align: center;">G3</th> </tr> </thead> <tbody> <tr> <td>Rating (MVA)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 pu (Ohms) =</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Impedances:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Xd direct axis synchronous react. =</td> <td></td> <td></td> <td></td> </tr> <tr> <td>X'd direct axis transient react. =</td> <td></td> <td></td> <td></td> </tr> <tr> <td>X''d direct axis subtransient react. =</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Xq quad. axis synchronous react. =</td> <td></td> <td></td> <td></td> </tr> <tr> <td>X''q direct axis subtransient react. =</td> <td></td> <td></td> <td></td> </tr> <tr> <td>X2 negative sequence =</td> <td></td> <td></td> <td></td> </tr> <tr> <td>X0 zero sequence =</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="4">All pu values on a base of machine rating and voltage of ____V.</td> </tr> </tbody> </table>		G1	G2	G3	Rating (MVA)				1 pu (Ohms) =				Impedances:				Xd direct axis synchronous react. =				X'd direct axis transient react. =				X''d direct axis subtransient react. =				Xq quad. axis synchronous react. =				X''q direct axis subtransient react. =				X2 negative sequence =				X0 zero sequence =				All pu values on a base of machine rating and voltage of ____V.			
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6. Capacitor bank																																																	
7. Expiry date	Five (5) years from distribution connected generator agreement execution.																																																
8. Connection point																																																	
9. Connection point voltage																																																	
10. Maximum import capacity																																																	
11. Generator Premises																																																	
12. National Meter Identifier	NMI =																																																