

Station Name: Glenmorrie

Connection Site/GSP: Alness

Company Name: Wind Energy (Glenmorrie) Ltd

MTS Substations: Beaully/Cambusmore

Derogation Report Ref: 11-DR-097-B2-Rev1

**Part 1: Technical Description of Non Compliance** *[To be completed by the relevant Transmission Owner.]*

| Relevant Paragraph(s) of NETS Security and Quality of Supply Standard | Cause  | Part of System Affected   | Initial Conditions  |  | Interim Operational Solution   | Long Term Solution, to include brief description of access requirements.  | Derogation Expiry Date  |
|---|--|---|---|--|--|---|---|
|   |  |   | System Intact   | Circuit Outage                         |  |   |   |
| NETS SQSS Section 4<br>Clauses 4.4 – 4.10                             | Trip of Kintore –Alyth double circuit line.<br><br>Trip of Beaully-Denny double circuit line | Overload of Kintore – Tealing double circuit line for trip of Kintore –Alyth double circuit line.<br><br>Overload of Errochty 132kV network for trip of Beaully-Denny double circuit line | System intact at ACS peak demand<br><br>System conditions expected to arise in the course of a year | None<br>Typical planned outage pattern | NETSO operational measures in operational timescales in accordance with Section 5 of the NETS SQSS | SHETL to develop and construct the following transmission reinforcements:<br><br>i) SHETL-RI-025a: Rothienorman – Peterhead 400kV upgrade<br><br>ii) SHETL-RI-025b: Peterhead – Hawthorn Pit (East Coast) 2GW HVDC link<br><br>iii) SHETL-RI-025c: Peterhead 400kV busbar<br><br>iv) SHETL-RI-038: Errochty 132kV system reconfiguration<br><br><i>Completion dates subject to consents and regulatory approval</i> | Derogation is sought until completion of listed long-term reinforcement solutions.<br><br>Derogation triggered by advancing generator connections via connect and manage arrangements |

**See 2010 Seven Year Statement Figure C.1.7 – “SHETL Forecast Power Flows at Winter Peak, 2016/17”, SHETL-RI-037: Alness 275/132kV Substation and SHETL-RI-035: Cambusmore 275/132kV Substation for network configuration**

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**Part 2: Expected Consequence of Non -Compliance.** *[To be completed by the System Operator, with reference to appropriate Transmission Owner.]*

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| Value of Carbon Benefit (£k),<br>(including time period over which<br>cost benefit is calculated).   |  |
| Summary of proposed System<br>Operator actions to manage non-<br>compliance.<br><i>To include:</i><br><i>pricing assumptions.</i><br><i>Description of diversity within the</i><br><i>group (not to include reference to</i><br><i>particular projects)</i><br><i>User agreements for services such</i><br><i>as energy management or intertrips.</i><br><i>Contribution of project to wider non</i><br><i>compliance at boundary level.</i> |  |
| Estimated range of costs to manage<br>non compliance (£k). To include time<br>period over which costs are<br>assessed.   |  |
| Description of risk due to network<br>non compliance.<br>e.g. constraint increase due to<br>project delay  |  |