

Station Name: Duncansby Tidal Stream Generation  
Company Name: ScottishPower Renewables (UK) Ltd  
Derogation Report Ref: 11-DR-136-B0-Rev1

Connection Site/GSP: Gills Bay 132kV substation  
MITS Substations: Dounreay

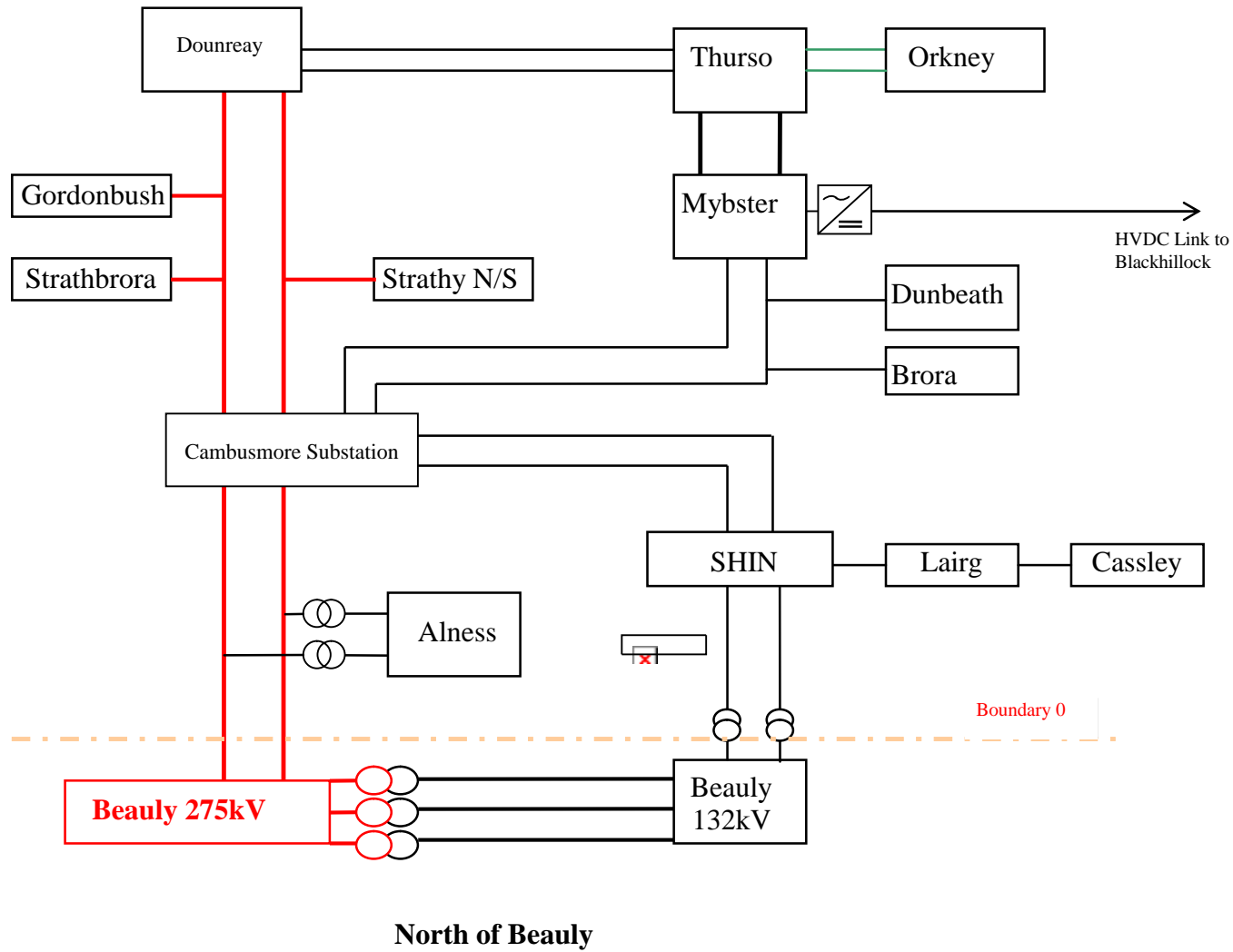
**Part 1: Technical Description of Non Compliance** *[To be completed by the relevant Transmission Owner.]*

| 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                             | Fault outage of:<br><br>Beauly - Cambusmore 275kV double circuit line.<br><br>Cambusmore – Dounreay 275kv double circuit | Overload of:<br><br>Mybster - Dounreay 132kV double circuit line. | System intact at ACS peak demand<br><br>System conditions expected to arise in the course of a year | None<br><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>1. SHETL-RI-032: Dounreay – Mybster 275kV rebuild<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 |

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## MITS Substations: Dounreay

### 2016 System diagram



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

|  |  |
|--|--|
| 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<br/>group (not to include reference to<br/>particular projects)</i><br><i>User agreements for services such<br/>as energy management or intertrips.</i><br><i>Contribution of project to wider non<br/>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  |  |