**OPERATING CODE NO. 3**

**(OC3)**

**SYSTEM INCIDENTS REPORT**

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OC3.1 INTRODUCTION

OC3.1.1 **Operating Code No**.**3** ("**OC3**") is concerned with the annual publication by **The Company** of an incident report for the **National Electricity Transmission** System.

OC3.2 OBJECTIVE

OC3.2.1 The objective of **OC3** is for **The Company** to produce an annual report indicating **Events** and reporting unplanned outages of **Demand**, **Generators** and **External Interconnection**, connected to the transmission or distribution networks. The report is important to industry and the **Grid Code Review Panel** as it helps monitor the effectiveness of the technical requirements in the Grid Code.

OC3.3 SCOPE

 **OC3** applies to **The Company**.

OC3.4 SYSTEM INCIDENTS REPORT

OC3.4.1 **The Company** shall prepare and publishanually a report titled the “System Incidents Report”, which shall contain:

(a) a record of each of the following significant events on the **National Electricity Transmission System** (each being a “Significant Event”):

(i) A loss of infeed/export (for demand) of =>250MW or (for generation and interconnection) of =>600MW;

 (ii) any reportable frequency excursions;

(iii) a fault on the **National Electricity Transmission System** which is linked to a change in the transmission system voltage of more than:

A. 400kV: > +/-5% and -10% for >15min; and/or

B. 275kV or 132 kV: > +/- 10% for >15min

(iv) any known demand disconnected >=50MW from the **National Electricity Transmission System** or other lesser demand if notified to **The Company**; and

(v) any **Demand Control** action taken, reported in accordance with section Q of the BSC;

(b) a report of each such Significant Event including the following data in relation to each Significant Event as appropriate and available:

(i) the time(s) in hh.mm.ss of the Significant Event and any potentially related occurrences;

(ii) any known or reported loss of **Embedded Power Station(s)** with details where known;

(iii) the frequency record (in table and graphical format) at <=1 second intervals for 1 minute before and after the Significant Event;

(iv) the frequency (to 2 decimal places) immediately before the Significant SEvent;

(v) the minimum and maximum frequency (to 2 decimal places) immediately after the Significant Event;

(vi) the maximum rate of change of frequency recorded during the Significant Event over a specified period e.g. 500ms;

(vii) where known, the MW of all individual losses or trips related to the Significant Event.

(viii) where known, the identity of the **Users** and **Network Operator** of all demand losses or trips related to the Significant Event.

(ix) the clearly identified details of the fault or directly impacted equipment;

(x) the extent of any voltage dip associated with the Significant Event;

(xi) an estimate of system inertia in MWs (Mega Watt seconds) at the time of the event (provided that if **The Company** has changed the way it estimates system inertia, details of this will also be included); and

(xii) any other data available that is of value to gain a clearer understanding of the Significant Event and its potential implications.

OC3.4.2 To obtain, manage, present, communicate and report the data in OC3.4.1 **The Company** shall:

(a) present the System Incidents Report in a pdf report and the associated data in a spreadsheet; and

(b) make the report available on the **Website** where the System Operability Framework (SOF) report is held.

OC3.4.3 **The Company** shall prepare and publish the System Incidents Report annually in accordance with the following timescales:

(a) a data cut-off date of the end September for a reporting year;

(b) data is collated, reviewed and processed in October for a reporting year; and

(c) System Incidents Report to be published in November for a reporting year and included as part of the System Operability Framework (SOF) report.