

**OPERATING CODE NO. 3
(OC3)**

SYSTEM INCIDENTS REPORT

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(This contents page does not form part of the Grid Code)

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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 of incidents. 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** and **Distribution Code**.

OC3.3 SCOPE

OC3 applies to **The Company**.

OC3.4 SYSTEM INCIDENTS REPORT

OC3.4.1 **The Company** shall prepare and submit to the **Grid Code Review Panel** annually a report titled the "**System Incidents Report**", which shall contain:

- (a) a record of each of the following **Events** on the **National Electricity Transmission System**
 - (i) a loss of **Demand** \Rightarrow 250MW, or a loss of either generation or interconnection of \Rightarrow 600MW;
 - (ii) a frequency excursion reportable in accordance with The Electricity Safety, Quality and Continuity Regulations 2002
 - (iii) a fault on the **National Electricity Transmission System** which (as detailed in section CC6.1.4) is linked to a change in the transmission system voltage of more than
 - I. 400kV: $> +5/-10\%$ for >15 min; or
 - II. 275kV or 132 kV: $> +/-10\%$ for >15 min;
 - (iv) any known demand disconnected \geq 50MW from the **National Electricity Transmission System** or other lesser demand if notified to **The Company**; and
 - (v) any **Demand Control** action taken;
- (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 locations and ratings where available;
 - (iii) the frequency record (in table and graphical format) at 1 second intervals for 1 minute before and 1 minute after the Significant Event;
 - (iv) the frequency (to 2 decimal places) immediately before the Significant Event;
 - (v) the 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 time 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 location of any reported transmission fault on the network diagram and geographically;
 - (x) the extent of any voltage dip associated with the Significant Event;
 - (xi) an estimate of system inertia in MWs at the time of the event along with how it has been calculated; and
 - (xii) any other data available that is of value to gain a clearer understanding of the Significant Event and its potential implications; and

- 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** and the associated data in a spreadsheet;
 - (b) maintain an area of the **Website** with a list of all historic **System Incidents Reports** and information on any process required for legitimate parties to obtain the reports (if reports are not available to download); and
- OC3.4.3 **The Company** shall prepare and publish the System Incidents Report annually. The report will be published and submitted to the **Grid Code Review Panel** in the November following a given year and included as part of the System Operability Framework (SOF) report.