**GC0151 Original Proposal Legal Text**

**Amendments to OC5**

OC5.4.2.1 In the event that a **BM Unit** fails persistently, in **The Company's** reasonable view, tofollow, in any material respect,its expected input or output or a **User** fails persistently to comply with the **CC** or **ECC** as applicable or fails to comply in the case of CC.6.3.15 or ECC 6.3.15 as applicable and in the case of response to **Frequency**, **BC3** or to provide the **Ancillary Services** it is required, or has agreed, to provide, **The Company** may notify the relevant **User** giving details of the failure and of the monitoring that **The Company** has carried out.

OC5.4.2.2 The relevant **User** will, as soon as possible, provide **The Company** with an explanation of the reasons for the failure and details of the action that it proposes to take to:

(a) enable the **BM Unit** to meet its expected input or output or to provide the **Ancillary Services** it is required or has agreed to provide, within a reasonable period, or

(b) in the case of a **Power Generating Module**, **Generating Unit** (excluding a **Power Park Unit**), **CCGT Module**, **Power Park Module**, **OTSUA** (prior to the **OTSUA Transfer Time**), **HVDC Equipment** or **DC Converter** to comply with the **CC** or **ECC** as applicable and in the case of response to **Frequency**, **BC3** or to provide the **Ancillary Services** it is required or has agreed to provide, within a reasonable period

(c) in the case of a **Power Generating Module**, **Generating Unit** (excluding a **Power Park Unit**), **CCGT Module**, **Power Park Module**, **OTSUA** (prior to the **OTSUA Transfer Time**), **HVDC Equipment** or **DC Converter** which has tripped off or de-loaded coincident with a fault as described in CC.6.3.15 or ECC.6.3.15, resolve any non-compliance, within a reasonable period.

For the avoidance of doubt in the case of CC.6.3.15 or ECC.6.3.15as applicable, the explanation may indicate that:

1. the **User** has complied with CC.6.3.15 or ECC.6.3.15 as applicable on the basis that the **User** has provided recordings to show the voltage waveform during the fault was beyond the conditions specified in CC.6.3.15 or ECC.6.3.15 as applicable; or
2. the **User**’s **Connection Point** had been de-energised by receipt of an intertrip signal from the **National Electricity Transmission System;** or
3. that other information has been shared between the **User** and **The Company** enabling agreement between them that compliance with CC.6.3.15 or ECC.6.3.15 as applicable has been confirmed.

Data relating to a fault on the **Transmission System** that **The Company** believes has led to **Users** to co-incidentally trip or de-load is to be provided by **The Company**, where available, in a file structure as agreed with the **User**. Where waveform data is available, this will be obtained from the recorder electrically closest to the **User**’s **Connection Point**.

OC5.4.2.3 In the event of a **User** being notified under OC5.4.2.1 by **The Company** of a potential failure to comply with CC6.3.15 or ECC6.3.15 as applicable and where the **User** is required to provide an explanation as described in OC5.4.2.2(c), the **User** may be required to take action to restrict the output of their **Power Generating Module, Generating Unit** (excluding a **Power Park Unit**), **CCGT Module, Power Park Module, OTSUA** (prior to the **OTSUA Transfer Time**), **HVDC Equipment** or **DC Converter** to a level and for a period as agreed with **The Company** in accordance with the conditions set out in OC5.4.2.3.1 or until an explanation has been provided by the **User** and agreed between the **User** and **The Company** as set out under OC5.4.2.2(c).

OC5.4.2.3.1 Restrictions to the **User**’s **Transmission Entry Capacity** of their **Power Generating Module, Generating Unit** (excluding a **Power Park Unit**), **CCGT Module, Power Park Module, OTSUA** (prior to the **OTSUA Transfer Time**), **HVDC Equipment** or **DC Converter**, following notification under OC5.4.2.1 by **The Company** of a potential failure to comply with CC6.3.15 or ECC6.3.15 as applicable will apply as follows where an explanation has yet to be agreed between **The Company** and the **User** as described in OC5.4.2.2(c).

Where the export capability is:

1. less than or equal to 100MW, no immediate export limitation will be applied;
2. more than 100MW, and the **User** is in receipt of a **Final Operational Notification** (**FON**) or an **Interim Operational Notification** (**ION**) or a **Limited** **Operational Notification** (**LON**), then an immediate export limitation will be applied to a level which is the lowest of:
   1. 70% of the unrestricted export capability; or
   2. the prevailing largest infeed loss risk, as determined by **The Company**

The export limit will however not be reduced below 100 MW.

OC5.4.2.3.2 In all cases where OC5.4.2.3 applies, the **User** or **Network Operator** shall within three months of the receipt of a notification under OC5.4.2.1 from **The Company** investigate and, where necessary, resolve any non-compliance and share this information with **The Company**.

OC5.4.2.3.3 Where such an investigation and any necessary actions resolve the non-compliance (by agreement between the **User** or **Network Operator** and **The Company**), any export restrictions as applied through OC5.4.2.3.1will be immediately removed.

OC5.4.2.~~3~~ 4 **The Company** and the **User** will ~~then~~ discuss any ~~the~~ action the **User** proposes to take and will endeavour to reach agreement as to:

(a) any short term operational measures necessary to protect other **Users**; and

(b) the parameters which are tobe submitted for the **BM Unit** and the effective time(s) and date(s) for the application of the agreed parameters.

OC5.4.2.~~4~~ 5 In the event that agreement cannot be reached within 10 days of notification of the failure by **The Company** to the **User**, **The Company** or the **User** shall be entitled to require a test, as set out in OC5.5 and OC5.6, to be carried out, except in respect of CC.6.3.15 or ECC.6.3.15, as applicable, where testing is impractical and OC.5.4.2.6 shall apply instead.

OC5.4.2.6 Where an investigation into compliance with CC6.3.15 or ECC6.3.15 as applicable which required the **User** to provide an explanation as described in OC5.4.2.2(c) and any necessary actions to resolve this are not agreed between the **User** and **The Company** within three months, then an export limitation of 50% of the export capability of the **User**’s (which for the avoidance of doubt includes Network Operators) site or asset (as applicable) or the **Transmission Entry Capacity** of their **Power Generating Module, Generating Unit** (excluding a **Power Park Unit**), **CCGT Module, Power Park Module, OTSUA** (prior to the **OTSUA Transfer Time**), **HVDC Equipment** or **DC Converter**, as applicable, will be applied until the investigation and any resulting actions are agreed between the **User** and **The Company** to have been completed.

OC5.4.2.7 In the case of a **Power Generating Module**, **Generating Unit** (excluding a **Power Park Unit**), **CCGT Module**, **Power Park Module**, **OTSUA** (prior to the **OTSUA Transfer Time**), **HVDC Equipment** or **DC Converter** identifying their non-compliance with CC.6.3.15 or ECC.6.3.15 as applicable by completion of their report into this as set out in **OC10, The Company** will as soon as reasonably practicable, issue a **Limited Operational Notification** or amend any **Interim Operational Notification**.

**Amendments to OC3**

OC3.4 SYSTEM INCIDENTS REPORT

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

1. a record of each and all of any of the following **Events**, defined as **Significant Events**, on

the **National Electricity Transmission System**:

1. a loss of infeed or exfeed (import or export including generation, **Demand** and interconnection) of =>250MW;
2. a **Frequency** excursion outside the limits 49.7-50.3Hz;
3. a fault on the National **Electricity Transmission System** which:

A. could be linked to the known or reported tripping of 250MW or more as reported in (i) above; and/or

B. (as detailed in section CC6.1.4) is linked to a change in the **Transmission System** voltage of

I. 300kV or greater: > +/-5% for >15min; or

II. 132kV up to 300kV: > +/- 10% for >15min;

1. any known demand disconnected >=50MW from the **National Electricity Transmission System** or other lesser demand if notified to **The Company**; and
2. any **Demand Control** action taken;
3. a report of each such **Significant Event** including the following data in relation to each **Significant Event** as appropriate and available:
4. the time(s) in hh.mm.ss of the **Significant Event** and any potentially related occurrences;
5. any known or reported loss of **Embedded Power Station(s)** with locations and ratings where available;
6. the **Frequency** record (in table and graphical format) at <=1 second intervals for 1 minute before and 1 minute after the **Significant Event**;
7. the **Frequency** (to 2 decimal places) immediately before the **Significant Event**;
8. the **Frequency** (to 2 decimal places) immediately after the **Significant Event**;
9. the maximum rate of change of **Frequency** recorded during the **Significant Event** over a specified time period of 500ms;
10. where known, the MW of all individual losses or trips related to the **Significant Event**;
11. where known, the identity of the **Users** and **Network Operator** of all demand losses or trips related to the **Significant Event**;
12. the location of any reported **Transmission** fault on the network diagram and geographically;
13. the extent of any voltage dip associated with the **Significant Event**;
14. an estimate of system inertia in MWs at the time of the **Significant Event** along with how it has been calculated; and
15. any other data available that is of value to gain a clearer understanding of the Significant Event and its potential implications; and
16. an outline of progress towards reporting events and associated data on the **National Electricity Transmission System** including:
17. three phase faults;
18. three phase to earth faults;
19. phase to phase faults;
20. phase to earth faults;
21. the associated voltage dips – durations and spreads;
22. over-voltages;
23. under-voltages;
24. voltage dips of >50%; and
25. lightning strikes.

OC3.5 REPORTING ON FAULT EVENTS

OC.3.5.1 **The Company** shall prepare and publish on their website a report giving date, time and location of actual three phase, three phase to earth, phase to phase and phase to earth fault events on the **National Electricity Transmission System**. Information shall be published as soon as reasonably practicable following such an event. For faults in which a fault ride through issue was found, where available, appropriate waveform information will be provided.

OC3.6 REPORTING ON LEARNING

OC3.6.1 Where the analysis of events occurring on the **National Electricity Transmission System** as set out in OC3.5.1 gives rise to learning points which **The Company** believes are relevant to the industry, **The Company** will publish a report explaining the events, the analysis and information gained as applicable. The contents of the report will be anonymised to avoid identification of **Users**, connection sites and manufacturers of **Plant** and **Apparatus** except in circumstances where OC3.6.2 applies. Where information sourced from **Users** or manufacturers is included, permission will be sought before publication.

OC3.6.2 Where **The Company** believes that it is appropriate to identify a particular **User**, connection site or **Plant** and **Apparatus**, **The Company** shall in the first instance consult the relevant **User** and/or manufacturer as applicable to seek agreement for publication.

OC3.6.3 If permission for publication is not granted by the **User** and/or manufacturer and **The Company** believes that it is appropriate to identify a particular **User**, connection site or **Plant** and **Apparatus**, **The Company** may ask the **Authority** for guidance regarding publication.

**Amendments to OC2**

OC2.4.8 **The Company** will for each day publish the actual largest secured loss of generation (i.e. the loss of generation against which, as a requirement of the Licence Standards, the **National Electricity Transmission System** must be secured) or loss of import from **External Interconnections** for each settlement period on **The Company’s** website.