

COMPLIANCE PROCESSES (CP)

CP.4.2.3 The provisions in CP.8 detail the process to be followed to confirm continued compliance under the Compliance Repeat Plan.

CP.4.2.34 The provisions contained in CP.8-9 detail the process to be followed when:

- (a) a **Generator** or **DC Converter Station** owner's **Plant** and/or **Apparatus** (including the **OTSUA**) is unable to comply with any provisions of the Grid Code and **Bilateral Agreement**; or,
- (b) following any notification by a **Generator** or a **DC Converter Station** owner under the **PC** of any change to its **Plant** and **Apparatus** (including any **OTSUA**); or,
- (c) a **Modification** to a **Generator** or a **DC Converter Station** owner's **Plant** and/or **Apparatus**.

The process is shown diagrammatically at Appendix CP.A.1.4 for condition (a) and Appendix CP.A.1.5 for conditions (b) and (c)

Updates to cross referencing in CP.7.2.2(d) and CP.7.2.3 required

CP.7.4 If the requirements of CP.7.2 and CP.7.3 have been successfully met, **The Company** will notify the **Generator** or **DC Converter Station** owner that compliance with the relevant Grid Code provisions has been demonstrated for the **Generating Unit(s)**, **CCGT Module(s)**, **Power Park Module(s)**, **OTSUA**, if applicable or **DC Converter(s)** as applicable through the issue of a **Final Operational Notification**. In respect of a **Embedded Power Station** or **Embedded DC Converter Station** other than a **Embedded Medium Power Stations** not subject to a **Bilateral Agreement** and **Embedded DC Converter Stations** not subject to a **Bilateral Agreement**, **The Company** will notify the **Network Operator** that a **Final Operational Notification** has been issued. The Final Operational Notification will be subject to a Compliance Repeat Plan (CP.9) no later than 5 years from the date of issue.

CP.7.5 If a **Final Operational Notification** can not be issued because the requirements of CP.7.2 and CP.7.3 have not been successfully met prior to the expiry of an **Interim Operational Notification** then the **Generator** or **DC Converter Station** owner (where licensed in respect of its activities) and/or **The Company** shall apply to the **Authority** for a derogation. The provisions of CP.9-10 shall then apply.

CP.8 Compliance Repeat Plan

CP.8.1 No later than 4 calendar years and 6 months after the issue of a Final Operational Notification, The Company will notify the Generator or DC Converter Station owner that confirmation of continued compliance with the requirements of the Grid Code and/or the Bilateral Agreement is required.

CP.8.2 No later than 5 calendar years after the issue of a Final Operational Notification the Generator or DC Converter Station owner shall confirm that the Plant and/or Apparatus (including OTSUA if applicable) is fully compliant with the requirements of the Grid Code and/or the Bilateral Agreement. The confirmation of compliance will include:

- (a) a Compliance Statement and a User Self Certification of Compliance signed by the GB Code User and a statement of any requirements that the Generator or DC Converter Station owner has identified that have not been met together with a copy of the derogation in respect of the same from the Authority.

Commented [H(M1)]: Compliance Repeat Plan added to require Users to confirm continued compliance with Grid code and BC

Commented [H(M2)]: Altered following WG to 4years 6 months to increase time window to 6 months.

(b) complete set of relevant **Planning Code** data (both **Standard Planning Data** and **Detailed Planning Data**), with validated actual values and updated estimates for the future including **Forecast Data** items such as **Demand**. **Simulation Studies and results** from **Site Tests** detailed in **Appendix CP.A.3** and **OC5** are not required as part of the **Compliance Repeat Plan**.

For the avoidance of doubt the **Generator** or **DC Converter Station** owner is responsible for ensuring that **Plant** and/or **Apparatus** (including **OTSUA** if applicable) remains compliant with the relevant clauses of the **Grid Code** and/or the **Bilateral Agreement** and/or changes to connection site conditions notified by **The Company**.

Commented [H(M3)]: Added after WG to clearly restrict scope to data not simulations/tests

Commented [H(M4)]: Added after WG to clarify Users obligations

CP.8.3 If the requirements of CP.8.2 have been completed to **The Company's** satisfaction, **The Company** will notify the **Generator** or **DC Converter Station** owner that compliance with the relevant **Grid Code** provisions has been demonstrated for the **Generating Unit(s)**, **CCGT Module(s)**, **Power Park Module(s)**, **OTSUA**, if applicable or **DC Converter(s)** as applicable through the issue of a **Final Operational Notification** subject to **Compliance Repeat Plan** (CP.8) no later than 5 years from the date of issue. In respect of an **Embedded Power Station** or **Embedded DC Converter Station** other than **Embedded Medium Power Stations** not subject to a **Bilateral Agreement** and **Embedded DC Converter Stations** not subject to a **Bilateral Agreement**, **The Company** will notify the **Network Operator** that a **Final Operational Notification** has been issued.

CP.8.4 If a **Final Operational Notification** cannot be issued because the requirements of CP.8.2 have not been successfully met prior to the date 5 years from the date of issue of the **Final Operational Notification**, then **The Company** will issue the **Generator** or **DC Converter Station** owner (where licensed in respect of its activities) a **Limited Operational Notification** with respect to the **Unresolved Issues**. The provisions of CP.9 shall then apply.

Renumbering of current CP.8 to CP.9, CP.9 to CP.10 and CP.10 to CP.11. Also updates to cross referencing in new CP.9-11 required.

APPENDIX 3 - SIMULATION STUDIES

CP.A.3.1.1 This Appendix sets out the simulation studies required to be submitted to **The Company** to demonstrate compliance with the Connection Conditions unless otherwise agreed with **The Company**. This Appendix should be read in conjunction with CP.6 with regard to the submission of the reports to **The Company**. Where there is any inconsistency in the technical requirements in respect of which compliance is being demonstrated by simulation in this Appendix and CC.6.3 and the **Bilateral Agreement**, the provisions of the **Bilateral Agreement** and CC.6.3 prevail. The studies specified in this Appendix will normally be sufficient to demonstrate compliance. However **The Company** may agree an alternative set of studies proposed by the **Generator** or **DC Converter Station** owner provided **The Company** deem the alternative set of studies sufficient to demonstrate compliance with the **Grid Code** and the **Bilateral Agreement**.

CP.A.3.1.2 The **Generator** or **DC Converter Station** owner shall submit simulation studies in the form of a report to demonstrate compliance. In all cases the simulation studies must utilise models applicable to the **Generating Unit, DC Converter** or **Power Park Module** with proposed or actual parameter settings. Reports should be submitted in English with all diagrams and graphs plotted clearly with legible axes and scaling provided to ensure any variations in plotted values is clear. All reports should be checked and approved by an independent engineer or independent test body prior to submission to The Company. The independent engineer or independent test body is signing the report to approve the study methodologies used are appropriate and the results are a true and accurate simulation of the behaviour of the Plant and Apparatus. In the context of CP.A.3.1.2 for a particular connection, the independent engineer is only employed by the **Generator** or **HVDC System Owner** to check and approve the simulation study reports for that connection and is not employed for other work on that connection.

CP.A.3.1.3 In the case of an **Offshore Power Station** where **OTSDUW Arrangements** apply simulation studies by the **Generator** should include the action of any relevant **OTSUA** where applicable to demonstrate compliance with the Grid Code and the **Bilateral Agreement** at the **Interface Point**.

Commented [H(M5)]: Independent Engineer to sign off simulation study reports. Compliance Responsibility remains with owner and assessment of compliance demonstration remains with ESO/TO as appropriate.

CP.A.3.5.4 In the case of a **Power Park Module**, the studies detailed in CP.A.3.5.1 should be repeated to demonstrate compliance during foreseeable running arrangements resulting from outages of major **Plant** and **Apparatus** (for example outage of the main export cable in the case of **OTSDUW** or module step up transformer where alternative export connections are possible). For these conditions, the **Power Park Module Active Power** output may be reduced to levels appropriate to the planned operating regime proposed by the **Generator**. The **Generator** shall consult **The Company** on alternative running arrangements and agree with the **The Company** the running arrangements that will be studied prior to the **Generator** undertaking the studies. For the avoidance of doubt, compliance of a **Power Park Module** with fault ride through requirements remains the responsibility of the **Generator** under all operating conditions.

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CP.A.3.5.5 In the case of a **Power Park Module** with a **Registered Capacity** greater or equal to 100MW, the studies detailed in CP.A.3.5.1 should be repeated with 50% of the **Power Park Units Synchronised** to the **Total System**. In the case of a **Power Station** containing multiple **Power Park Modules** or multiple **Offshore Power Park Modules** connected to an **Offshore Transmission System** or **OTSDUW** the study should include all **Power Park Modules** with 50% of the **Power Park Units Synchronised** to the **Total System**.

CP.A.3.5.6 In the case of **HVDC Converters** the studies detailed in CP.A.3.5.1 should be repeated to demonstrate compliance during foreseeable running arrangements resulting from outages of major **Plant** and **Apparatus** (for example outage of an HVDC cable or convertor. For these conditions, the **HVDC Converters Active Power** transfer may be reduced to levels appropriate to the planned operating regime. The **Generator** or **HVDC Owner** shall consult **The Company** on alternative running arrangements and agree with the **The Company** the running arrangements that will be studied prior to the **Generator** or **HVDC Owner** undertaking the studies. For the avoidance of doubt, compliance of **HVDC Converter** with **Fault Ride Through** requirements remains the responsibility of the **Generator** or **HVDC Owner** under all operating conditions.

Commented [H(M8)]: Added complex HVDC Systems

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