# EUROPEAN COMPLIANCE PROCESSES

**(ECP)**

APPENDIX 3

SIMULATION STUDIES

ECP.A.3.5.3 In the case of a **Power Park Module** the studies detailed in ECP.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 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.

ECP.A.3.5.4 In the case of a **Power Park Module** with a **Registered Capacity** greater or equal to 100MW, the studies detailed in ECP.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**.

ECP.A.3.5.5 In the case of **HVDC Equipment** the studies detailed in ECP.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 Equipment Active Power** transfer may be reduced to levels appropriate to the planned operating regime. The **Generator** or **HVDC System Owner** shall consult **The Company** on alternative running arrangements and agree with **The Company** the running arrangements that will be studied prior to the **Generator** or **HVDC System Owner** undertaking the studies. For the avoidance of doubt, compliance of **HVDC Equipment** with **Fault Ride Through** requirements remains the responsibility of the **Generator** or **HVDC System Owner** under all operating conditions.