EUROPEAN COMPLIANCE PROCESSES

(ECP)

APPENDIX 3

SIMULATION STUDIES

ECP.A.3.1 SCOPE

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ECP.A.3.1.2 The **Generator** or **HVDC System 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 **Synchronous Power Generating Module**, **HVDC Equipment** 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. In all cases, the simulation studies must be presented over a sufficient time period to demonstrate compliance with all applicable requirements. For **Users** with a **Registered Capacity** of 100MW all simulation study reports should be submitted to and checked for compliance to the Grid Code European Connection Conditions by an **Independent Engineer** prior to submission to **The Company**. The **User** shall inform **The Company** of the use and scope of the **Independent Engineer**. On a failure to agree between the **User** and **Independent Engineer** then the **User** has the right to submit any Grid Code compliance data which is subject to the disagreement to **The Company** clearly stating the disagreement. The **User** shall be responsible for declaring to **The Company** that the **Independent Engineer** has no conflicts of interest and has the remit to comment on the document. The confirmation should be counter-signed by an employee deemed by the **User** to be a director or otherwise legally authorised representative of that **User.**

ECP.A.3.1.2.1 The **User** shall be responsible for maintaining the **Independent Engineer**'s review of the compliance until the next **Compliance Repeat Plan**.

ECP.A.3.1.3 ……..

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GLOSSARY & DEFINITIONS

(GD)

Independent Engineer	An Independent Engineer can comprise of an individual, group of individuals or a company. The Independent engineer can be a third party to the **User** or can be employee/s of the **User** with appropriate separation from conflicts of interest. The Independent Engineer's duties may be discharged by a combination of the options provided in this clause. The Independent engineer shall have the technical expertise and experience to competently discharge the duties of their scope of work.