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. All simulation study reports should be checked and approved by an appropriately qualified independent engineer or an appropriate 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 an accurate simulation of the behavior of the **Plant and Apparatus**. In the context of ECP.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.

ECP.A.3.1.3 ……..