Appendix A

Contents

Appendix A includes a set of system schematics and geographic drawings of the current NETS, with the approximate locations of existing power stations and reactive compensation plants shown. The schematics also show the NETS boundaries and ETYS zones we have used in our analysis.

Appendix A

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Figure A3: GB Transmission System Boundaries

Substation:
- 400kV Substations
- 275 kV Substations
- 132kV Substations

Circuit:
- 400kV
- 275kV
- 220kV
- 132kV
- Offshore AC Cable
- Offshore DC Cable
- Interconnector (as of Nov 2018 IC register)

System Boundary

Offshore Wind Projects:
- Round 1
- Round 2
- Round 2.5
- Round 3
- Scottish Teritorial Waters Sites
Figure A5: GB Transmission System ETYS Zones

Legend
- 400kV Circuit
- 275kV Circuit
- 132kV Circuit
- HVDC Circuit
- 400kV Substation
- 275kV Substation
- 132kV Substation

Note 1: Not all radial 132kV circuits are indicated on this diagram.
Figure A6: GB Transmission System Boundaries

Legend:
- 400kV Circuit
- 275kV Circuit
- 220kV Circuit
- 132kV Circuit
- HVDC Circuit
- 400kV Substation
- 275kV Substation
- 132kV Substation
- System Boundaries

Note: Not all radial 132kV circuits are indicated on this diagram.
Figure A7: GB Reactive Compensation Plant

Legend
- 400kV Circuit
- 275kV Circuit
- 132kV Circuit
- HVDC Circuit
- 400kV Substation
- 275kV Substation
- SVC
- MJC
- Series Capacitor

Note1: Not all radial 132kV circuits are indicated on this diagram.

Note2: Reactive compensation plants at the HVDC terminals are not listed on this diagram.