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**

Geographical
A1 – GB Existing Power Stations.................................2
A2 – GB Existing Transmission System..........................3
A3 – GB Transmission System Boundaries.......................4

Schematic
A4 – GB Existing Transmission System..........................5
A5 – GB Transmission System ETYS Zones.......................6
A6 – GB Transmission System Boundaries.......................7
A7 – GB Reactive Compensation Plant..........................8
Figure A1: GB Existing Power Stations

PLANT TYPE
- NUCLEAR
- COAL
- OIL & OCGT
- CCGT/CHP
- HYDRO/PUMPED
- STORAGE
- WIND
- OTHER
- SUBSTATIONS
Figure A2: GB Existing Transmission System
Figure A3: GB Transmission System Boundaries
Figure A5: GB Transmission System ETYS Zones

Legend

- 110kV Circuit
- 275kV Circuit
- 400kV Circuit
- 132kV Substation
- 275kV Substation
- 400kV Substation

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

Legend

- 400kV Circuit
- 275kV Circuit
- 132kV 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
- 132kV Substation
- 275kV Substation
- SVC
- MSC
- Series Capacitor

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