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 A2: GB Existing Transmission System

Major Generating Sites Including Pumped Storage
- Connected at 400kV
- Connected at 275 kV
- Hydro Generation
Figure A3: GB Transmission System Boundaries
Figure A4: GB Existing Transmission System

Legend
- 400kV Circuit
- 275kV Circuit
- 220kV Circuit
- 132kV Circuit
- Western HVDC Link
- 400kV Substation
- 275kV Substation
- 132kV Substation

Note: 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
- Western HVDC Link
- 400kV Substation
- 275kV Substation
- 132kV Substation
- System Boundaries

Note 1: Not all radial 132kV circuits are indicated on this diagram.

System Boundaries
Figure A7: GB Reactive Compensation Plant

Legend
- 400kV Circuit
- 275kV Circuit
- 220kV Circuit
- Western HVDC Link
- 400kV Substation
- 275kV Substation
- 132kV Substation
- SVC Substation
- Wind Farm
- Series Capacitor

Note 1: Not all radial 132kV circuits are indicated on this diagram.
Note 2: Reactive compensation plants at the HVDC terminals are not listed on this diagram.