

Appendix B – Performance Standards for System Operation

B.1 FREQUENCY STANDARDS

- B.1.1 The frequency of the *electricity system* shall normally be maintained at 50 Hertz \pm 0.2 Hertz and shall not be permitted to rise above 50.5 Hertz or fall below 49.5 Hertz without corrective action being taken.
- B.1.2 The deviation of electric time shall normally be limited to \pm 10 seconds and shall be permitted to deviate to within \pm 60 seconds without corrective action being taken.

B.2 **VOLTAGE STANDARDS**

- B.2.1 The transmission voltages of 400kV, 230kV and 66kV shall normally be maintained within $\pm 3\%$ of their nominal values and shall be permitted to operate within $\pm 5\%$ for 400kV and $\pm 6\%$ for 230kV and 66kV without corrective action being taken.