

# Operating Procedures

ISO New England Operating Procedure No. 19

*Transmission Operations – Appendix E –  
Extreme Contingencies*

Effective Date: February 1, 2005  
Revision No. 2

**APPENDIX E - EXTREME CONTINGENCIES**

- A. Loss of the entire capability of a generating station.
- B. Loss of all lines emanating from a generating station, switching station or substation.
- C. Loss of all transmission circuits on a common right-of-way.
- D. Permanent three-phase fault on any generator, transmission circuit, transformer or bus section, with delayed clearing and with due regard to reclosing. This delayed clearing could be due to circuit breaker, relay system or signal channel malfunction.
- E. The sudden dropping of a large load or major load center.
- F. The effect of severe power swings arising from disturbances outside of the New England Control Area.
- G. Failure of a Special Protection System to operate when required following the NORMAL Contingencies listed in Section II.A.2 "a" through "d", "f" and "g".
- H. The operation or partial operation of a Special protection System for an event or condition for which it was not intended to operate.

**OP 19 APPENDIX E REVISION HISTORY**

**Document History** (This Document History documents action taken on the equivalent NEPOOL Procedure prior to the RTO Operations Date as well revisions made to the ISO New England Procedure subsequent to the RTO Operations Date.)

| <b>Rev. No.</b> | <b>Date</b> | <b>Reason</b>             |
|-----------------|-------------|---------------------------|
| Rev 1           | 07/22/98    |                           |
| Rev 2           | 02/01/05    | Updated to conform to RTO |