



Operating Procedures

ISO New England Operating Procedure No. 19

*Transmission Operations – Appendix B – Thermal
Capacity Ratings for Transmission Facilities*

Effective Date: February 1, 2005
Revision No. 2

APPENDIX B - THERMAL CAPACITY RATINGS FOR TRANSMISSION FACILITIES

Normal Rating

Transmission facility loadings up to this rating can be experienced without incurring loss of life above design criteria.

The following Emergency ratings (LTE, STE and DAL) may involve loss of life or loss of tensile strength in excess of design criteria and should not be deliberately scheduled.

Long Time Emergency (LTE) Rating

This rating is intended to fit a daily load cycle (12 hours summer, 4 hours winter). A facility may operate up to this rating provided that its loading is returned to or below the Normal rating during off-peak hours.

Short Time Emergency (STE) Rating

This is a fifteen minute rating. If a facility operates at this rating for more than fifteen minutes, equipment will suffer thermal damage. Facility loadings above the LTE rating but at or below the STE rating must be reduced to or below the LTE rating within 15 minutes.

Drastic Action Limit (DAL)

This is an immediate action rating. If a facility operates at this rating for more than five minutes, equipment will suffer thermal damage. Facility loadings above the STE rating but at or below the DAL must be reduced to or below the LTE rating within 5 minutes.

Standard Summer and Winter Transmission Facility Ratings

Transmission facility ratings can be based on: over stressing terminal equipment such as wave traps, current transformers, etc. or heating of the line conductor (violating sag clearance requirements or annealing the conductor).

Summer ratings should be used from April 1 through October 31. Winter ratings should be used from November 1 through March 31.

OP 19 APPENDIX B 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.)

Rev. No.	Date	Reason
Rev 1	07/22/98	
Rev 2	02/01/05	Updated to conform to RTO terminology