

Department of Examinations and Assessment

Louisiana State Licensing Board for Contractors

The logo for the Louisiana State Licensing Board for Contractors (LSLBC) is a dark blue rounded rectangle containing the white text "LSLBC".

LSLBC

Electrical Transmission Lines

Classification Description:

Refers to the construction, installation, maintenance or repair of electrical transmission and distribution lines, poles and towers for outside plant; Also includes electrical power substations and all internal components, including transformers, circuit breakers, reclosers, switches, fuses, rigid, strain, and overhead bus structures, insulators, wave jumpers, wave traps, and related electrical transmission towers within or leading directly to the substation

Electrical Transmission Lines is an **open book** examination with 50 multiple-choice questions. You will have **2 1/2 hours** to complete this examination. The *2008 National Electrical Code* and the *2017 National Electrical Safety Code* will be available for use on the examination. Examination candidates may only use the books, calculators, and pencils provided for them at the testing site. Candidates may not bring their own.

Listed below is only a sample of the many good references available on this subject which may be helpful in studying for this examination. This is not a comprehensive listing. Please note that it is not necessary to read all of the books in order to pass the examination. Rather, this list is intended to suggest what types of books might be useful in helping to acquire the basic knowledge needed to perform this type of work.

We try to keep this list current with books in print, but some books go out of print from time to time. These books may be available in your local library's collection or through your local library by using the services of Inter-Library Loan.

If still in print, these books may also be available through your local bookstore or by contacting the publisher.

All references available via the internet are followed by the appropriate website address for obtaining the reference. From time to time, website addresses may change and no longer be available. In such cases, please search for the appropriate new website address or contact the publisher or a library to obtain a copy.

Content Outline

Overhead Lines	16%	Conductors	10%
Electrical Knowledge	16%	Underground Lines	8%
Distribution Transformers	12%	Equipment and Safety	8%
Grounding Methods	10%	Service Drops and Laterals	6%
Electrical Supply Stations	10%	Poles and Structures	4%

The Lineman's & Cableman's Handbook, Eleventh Edition; Shoemaker, Thomas and Mack, James; McGraw-Hill; New York; 2007.

American Electrician's Handbook; Fifteenth Edition. Croft, Terrell, Wilford I Summers and Frederick P. Hartwell. McGraw-Hill, Inc. 2009.

National Electrical Code; National Fire Protection Association, NFPA 70-2008.

National Electrical Safety Code; Institute of Electrical and Electronics Engineers, Inc. IEEESA-C2-2017

Alternating Current Fundamentals, Seventh Edition; Herman, Stephen L.; Thomson Delmar Learning; Clifton Park, NY; 2007.