# Department of Examinations and Assessment

Louisiana State Licensing Board for Contractors

## Candidate Information Bulletin

LSLBC | Electrical Work (Statewide)

## Classification Description:

**An electrical contractor is one who conducts business in the installation, maintenance and repair of electrical work conforming to applicable standards and codes.**

## Legal Definition of an Electrical Contractor

Under the Contractors' Licensing Law (La. R.S. 37: 2150-2192), an electrical contractor is defined as *"any person who undertakes to, attempts to, or submits a price or bid or offers to construct, supervise, superintend, oversee, direct, or in any manner assume charge of the construction, alteration, repair, improvement, movement, demolition, putting up, tearing down, or furnishing labor together with material and equipment, or installing the same for the wiring, fixtures, or appliances for the supply of electricity to any residential, commercial, or other project, when the cost of the undertaking exceeds the sum of ten thousand dollars."*

# Differences in Electrical Work Classifications

**Electrical Work (Statewide)** – May bid, contract and perform any kind of electrical work without limit anywhere throughout the state. Exempt from any local licensing exam. Local license must still be obtained as required. Employees not required to hold a separate license to perform electrical work or pull permits. Exempt from all Fire Marshal licensing requirements for Life Safety and/or Property Protection licensing. The State Fire Marshal maintains that service work on burglar alarms lines or closed circuit television lines, or new panel box terminations for burglar alarms and closed circuit television must be performed by a contractor, subcontractor, or employee of the contractor or subcontractor who holds the appropriate license with the Fire Marshal's Office.

***Electrical Work (Restricted)** - May bid, contract and perform any kind of electrical work without limit anywhere throughout the state. Must take any local licensing exam required for any local license and obtain local license as required. Employees can be required to obtain separate local license and/or take separate local exam.

***Electrical Work (Act 725 – Restricted)** - May bid, contract and perform any kind of electrical work without limit but only within the parishes stated on the license. Exempt from any local licensing exam. Local license must still be obtained as required. Employees not required to hold a separate license to perform electrical work or pull permits.

***Electrical Work (Bidding Only)** - May bid and contract an electrical work job, but must use a properly licensed electrical contractor to perform the work.

**** These classifications are no longer available to new applicants. New applicants who have never held this classification must take Electrical Work (Statewide).***

The **NASCLA ACCREDITED TRADE EXAMINATION FOR ELECTRICAL CONTRACTORS** will consist of 100 graded questions, with a minimum passing score of 75. The time allowed to take the examination is 270 minutes, or 4 ½ hours.

# CONTENT OUTLINE

| Subject Area | # of Items |
|---|---|
| Project Design & Management | 8 |
| Safety | 9 |
| Electrical Theory and Principles | 11 |
| General Code Requirements | 17 |
| Wiring & Protection | 17 |
| Wiring Methods & Materials | 16 |
| Equipment for General Use | 13 |
| Special Occupancies, Special Equipment & Special Conditions | 8 |
| Communication Systems | 1 |

**EXPERIMENTAL ITEMS**

In addition to the 100 examination items specified, 10 non- scored "experimental" questions will be administered to candidates during the examinations. **These questions will *not* be counted towards the candidate's overall score on the examination, and will be randomly distributed throughout the examination.** The administration of such non-scored experimental questions is an essential step in developing future licensing examinations.

## REFERENCE LIST

The reference material listed below was used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general industry practices. **Except for Code books**, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based **only** on the editions of the Code book that are listed. Candidates may use a silent, nonprinting, non-programmable calculator in the examination center.

This examination is **OPEN BOOK**. The books below will be provided to you for the duration of the examination. You will ***not*** be allowed to use your own books during the examination. **NOTE**: It is ***NOT*** necessary to use both the 2014 and 2017 National Electrical Code to answer questions. All questions using the National Electrical Code will be valid for both codes.

*The following reference materials will be provided to you in the testing center:*

***National Electrical Code*** ***or*** ***National Electrical Code Handbook****, 2014 or 2017 Editions,* 2014: ISBN-13: 9781455906727 or ISBN-10:1455906727; 2017: ISBN-13 9781455912773, or ISBN-10: 1455912778; National Fire Protection Association. Telephone: (617) 770-3000. www.nfpa.org

***Code of Federal Regulations – 29 CFR 1926 – OSHA Construction Industry Regulations****,2016 Edition,* ISBN-10: 1354237919 or ISBN-13: 978-135423791, Office of the Federal Register, Superintendent of Documents, PO Box 371954, Pittsburgh, PA 15250-7954, Telephone: (888) 293-6498.
www.access.gpo.gov/nara/cfr/cfr-tablesearch

***A Guide to the Project Management Body of Knowledge (PMBOK Guide)***, 2000 Edition, Project Management Institute.

***American Electricians Handbook****, 2013, Edition 16*, ISBN-13: 978-0071798808 or ISBN-10: 0071798803, Authors: Croft, Terrell, Hartwell, Frederic, and Summers, Wilford I.

***ANSI/ASHRAE/IES Standard 90.1-2016***, U.S. Department of Energy, www.energycodes.gov/resource-center/training-courses/ansiashraeies-standard-901-2016

***Delmar's Standard Textbook of Electricity***, 2016, Edition 6, ISBN-13: 978-1285852706, ISBN-10: 1285852702, Author: Herman, Stephen L.

***International Residential Code for One- and Two-Family Dwellings***, 2015 Edition, ISBN-13: 978-1609834708 or ISBN-10:1609834704, International Code Council, (800) 786-4452. www.iccsafe.org

***NASCLA Contractors Guide to Business, Law and Project Management****, 12th Edition*, National Association of State Contractors Licensing Agencies (NASCLA), Telephone: (623) 587-9354. www.nascla.org

***NFPA 101- Standard for Life Safety Code****, 2015 Edition,* ISBN-13: 978-1455909025 or ISBN-10: 1455909025, National Fire Protection Association, Telephone: (617) 770-3000. www.nfpa.org

***NFPA 70E - Standard for Electrical Safety in the Workplace****, 2015 Edition,* ISBN-10: 1455908932 or ISBN-13: 978-1455908936, National Fire Protection Association, Telephone: (617) 770-3000, www.nfpa.org

***OSHA 3071 – Job Hazard Analysis Guide***, *2002 Edition,*
www.osha.gov/pls/publications/publication.athruz?pType=Industry&pID=116

***Soares Book on Grounding and Bonding***, *2014 Edition*,
ISBN- 10: 1890659657 or ISBN-13: 978-1890659653

***Ugly's Electrical References***, *2017 Edition,* ISBN-10: 128411936X or ISBN-13: 978-1284119367, Jones & Bartlett Learning.
Telephone: (800) 832-0034.
www.uglys.net