



Electrical Power Testing

Level II Selected General References

Candidates are NOT permitted to bring references into the test center.

The following publications can provide some of the job knowledge required by an electrical power testing technician. While these books may help you prepare for the exam, they are NOT permitted in the test center.

29 CFR 1904: Recording and Reporting Occupational Injuries and Illness. Occupational Safety & Health Administration.

29 CFR 1910: Occupational Safety and Health Standards. Occupational Safety & Health Administration.

750/760 Feeder Management Relay Instruction Manual, 2011. GE Digital Energy Multilin.

ANSI/NEMA AB-4 (2009): Guidelines for Inspection and Preventive Maintenance of Molded Case Circuit Breakers Used in Commercial and Industrial Applications. National Electrical Manufacturers Association.

ANSI/NETA ATS: Acceptance Testing Specifications for Electrical Power Equipment and Systems, InterNational Electrical Testing Association. ****2009 edition ending 4/24/16; 2013 edition beginning 4/25/16****

ANSI/NETA MTS: Maintenance Testing Specifications for Electrical Power Distribution Equipment and Systems, InterNational Electrical Testing Association. ****2007 edition ending 4/24/16; 2015 edition beginning 4/25/16****

ASTM D92: Sampling Electrical Insulating Liquids. ASTM International. ****2007 edition ending 4/24/16; 2015 edition beginning 4/25/16****

Batteries Installation Guide, 2010. MK Battery.

Battery Testing Guide, 2009. Megger.

Business Communication, 16th edition. Carol Lehman and Debbie DuFrene, South-Western Cengage Learning.

Business Email Etiquette Basics, 2016. Judith Kallos.

Buss, E. William, Earley, Mark W., and Jones, Ray A. NFPA 70E Handbook for Electrical Safety in the Workplace, Second Edition: National Fire Protection Association. ****ending 4/24/16****

Concepts of Mathematical Modeling, 1984. Walter J. Meyer, McGraw-Hill.

Electrical Motor Diagnostics, 2nd edition. Howard W. Penrose, Success By Design.

Electrical Power Equipment Maintenance and Testing, 2nd edition. Paul Gill, CRC Press.

Electrical Transformer Handbook, 2010. Randolph W. Hurst, Electricity Forum.

Engineering Drawing and Design, 5th edition. David A. Madsen and David P. Madsen, Delmar, Cengage Learning.

EPA 40 CFR Part 761, U.S. Environmental Protection Agency.

Evacuation Plans and Procedures eTool, 2010. Occupational Safety & Health Administration.

Getting Down to Earth: A Practical Guide to Earth Resistance Testing, 2010. Megger.

GEI-86150B: Low Voltage Power Circuit Breakers, 1996. General Electric.

Hamrick, Lynn, P.E. "Using Personal Protective Grounds in Industrial Facilities." NETA World, Summer 2008.

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Level II Selected General References, continued

Harwood's Control of Electric Motors, 4th edition. Ralph A. Millermaster, Robert E. Krieger. ****ending 4/24/16****

IEEE 43: Testing Insulation Resistance of Electric Machinery, Institute of Electrical and Electronics Engineers. ****2000 edition ending 4/24/16; 2013 edition beginning 4/25/16****

IEEE 81: Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Ground System, Institute of Electrical and Electronics Engineers. ****1983 edition ending 4/24/16; 2012 edition beginning 4/25/16****

IEEE 100 (2000): The Authoritative Dictionary of IEEE Standards Terms, Institute of Electrical and Electronics Engineers.

IEEE 141 (1993): Electric Power Distribution for Industrial Plants, Institute of Electrical and Electronics Engineers.

IEEE 142 (2007): Grounding of Industrial and Commercial Power Systems, Institute of Electrical and Electronics Engineers.

IEEE 450: Maintenance, Testing, and Replacement of Vented Lead-Acid Batteries for Stationary Applications, Institute of Electrical and Electronics Engineers. ****2002 edition ending 4/24/16; 2010 edition beginning 4/25/16****

IEEE 1106: Installation, Maintenance, Testing, and Replacement of Vented Nickel-Cadmium Batteries for Stationary Applications, Institute of Electrical and Electronics Engineers. ****2005 edition ending 4/24/16; 2015 edition beginning 4/25/16****

IEEE 1015 (2006): Applying Low-Voltage Circuit Breakers Used in Industrial and Commercial Power Systems, Institute of Electrical and Electronics Engineers.

IEEE C37.20.3: Metal-Enclosed Interrupter Switchgear, Institute of Electrical and Electronics Engineers. ****2001 edition ending 4/24/16; 2013 edition beginning 4/25/16****

IEEE C37.121 (2012): Guide for Switchgear - Unit Substation - Requirements, Institute of Electrical and Electronics Engineers.

IEEE C57.12.00: General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers, Institute of Electrical and Electronics Engineers. ****2007 edition ending 4/24/16; 2010 edition beginning 4/25/16****

IEEE C57.13 (2008): Standard Requirements for Instrument Transformers, Institute of Electrical and Electronics Engineers.

IEEE C57.106 (2006): Approved Draft Guide for Acceptance and Maintenance of Insulating Mineral Oil in Electrical Equipment, Institute of Electrical and Electronics Engineers.

Merriam-Webster's Collegiate Dictionary, 10th edition. Merriam-Webster, Inc.

Microsoft Windows, Excel, and Office support. <https://support.office.com>

Munich RE. "Recommended Maintenance Practices for Electrical Distribution System Equipment." Hartford Steam Boiler, April 2013.

NEMA 250 (2014): Enclosures for Electrical Equipment (1000 Volts Maximum). National Electrical Manufacturers Association.

NEMA ICS 19 (2007): Diagrams, Device Designations and Symbols. National Electrical Manufacturers Association.

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Level II Selected General References, continued

- NFPA 10: Standard for Portable Fire Extinguishers, National Fire Protection Association. ****2010 edition ending 4/24/16; 2013 edition beginning 4/25/16****
- NFPA 30 (2015): Flammable and Combustible Liquids Code, National Fire Protection Association. ****beginning 4/25/16****
- NFPA 70: National Electrical Code, National Fire Protection Association. ****2011 edition ending 4/24/16; 2014 edition beginning 4/25/16****
- NFPA 70B: Electrical Equipment Maintenance, National Fire Protection Association. ****2010 edition ending 4/24/16; 2013 edition beginning 4/25/16****
- NFPA 70E: Electrical Safety in the Workplace, National Fire Protection Association. ****2009 edition ending 4/24/16; 2015 edition beginning 4/25/16****
- Operator's Manual: Simpson 260 Series 6 and 6M Volt-Ohm-Milliammeters. Simpson Electric Company.
- OSHA Forms for Recording Work-Related Injuries and Illnesses, Occupational Safety & Health Administration.
- Protective Relaying: Principles and Applications, 3rd edition. J. Lewis Blackburn and and Thomas J. Domin, CRC Press.
- A Stitch in Time: The Complete Guide to Electrical Insulation Testing, 2006. Megger.
- Storage Battery Maintenance and Principles, Volume 3-6, 1998: United States Department of the Interior Bureau of Reclamation.
- Topics in Geometry, 1989. Robert Bix, Academic Press.
- Ugly's Electrical References, 4th edition. George V. Hart, Jones & Bartlett Learning.
- UL 891 (2005): Switchboards, Underwriters Laboratories.
- UL 1558 (2006): Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear, Underwriters Laboratories.

➤ This listing is not intended to be complete or representative.

March 31, 2016