

# C-12 (Residential) and L-67 (Commercial) Low Voltage Communication Systems

Exam Number: 030624  
Effective Date: 08/18/08

## License Information

### C-12 Low Voltage Communication Systems

**Scope** – Installation and repair of low voltage alarm, intercom, telephone, call, clock and television systems, including towers and antennas.

### L-67 Low Voltage Communication Systems

**Scope** – Installation, service, repair, and maintenance of systems and devices of low voltage including: public address; intercommunication systems; telephone switchboards; call systems; master and program clocks (low voltage wiring and needed equipment only); electrical teaching devices; low voltage signaling; master television antennas; closed circuit television; and alarm systems.

Installation, service, repair, and maintenance of both high and low level electronic or electrical control devices that are associated with systems of low voltage.

Erection of towers on buildings for television antennas.

The trade test is considered equivalent for these classifications and upon passing the CBME and trade exam, either license classification may be applied for without further testing.

## Examination Outline

### Open Book

**60 Questions - Three-hour time limit**

**70% Correct required to pass**

Exam Topic	%
Communication Systems	13
Intrusion Detection and Alarms	13
Fire Detection and Alarms	13
Sound and Video	13
Television Systems	10
Conductors	10
Electronics and Electrical Knowledge	10
Test Equipment	5
Grounding and Bonding	5
Raceways and Enclosures	5
Special Occupancies and Equipment	3

## References

The following references were used to create exam questions and **are allowed** in the testing center.

1. *NFPA 70 National Electrical Code*, 2005 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, [www.nfpa.org](http://www.nfpa.org).
2. *NFPA 72 National Fire Alarm Code*, 2007 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, [www.nfpa.org](http://www.nfpa.org).
3. *Code of Federal Regulations, Title 47, Part 68: Connection of Terminal Equipment to Telephone Network*, 2007, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954, [www.access.gpo.gov](http://www.access.gpo.gov).

The following references were used to create exam questions but **are not allowed** in the testing center.

1. *CCTV Surveillance: Analog and Digital Video Practices and Technology*, Second Edition, 2007, Butterworth-Heinemann/Elsevier Science, 11830 Westline Industrial Drive, St. Louis, MO 63146, [www.bh.com](http://www.bh.com).
2. *Direct Current Fundamentals*, Seventh Edition, 2006, Delmar Learning, P.O. Box 6904, Florence, KY 41022, [www.delmarlearning.com](http://www.delmarlearning.com).
3. *Fire Alarm Signaling Systems*, 2003 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, [www.nfpa.org](http://www.nfpa.org).
4. *Security: A Guide to Security System Design and Equipment Selection and Installation*, Second Edition, 1994, Butterworth-Heinemann/Elsevier Science, 11830 Westline Industrial Drive, St. Louis, MO 63146, [www.bh.com](http://www.bh.com).
5. *Telecommunications Wiring*, Third Edition, 2001, Prentice Hall/Pearson Education, Order Processing Center, P.O. Box 11071, Des Moines, IA 50336-0693, [vig.prenhall.com](http://vig.prenhall.com).
6. *Understanding Low-Voltage and Limited-Power Systems (Based on the 2005 NEC)*, Third Edition, 2005, Mike Holt Enterprises, Inc., 3604 Parkway Blvd., Suite 3, Leesburg, FL 34748, [www.NECcode.com](http://www.NECcode.com).

For information on how to obtain exam references, please call toll-free 877.624.2562.

*State of Arizona*

# ***C-12 (Residential) and L-67 (Commercial) Low Voltage Communication Systems***

Exam Number: 030624  
Effective Date: 08/18/08

## **Copyrighted Exam Questions**

All test questions are the copyrighted property of Prometric Inc. It is forbidden under federal copyright law to copy, reproduce, record, distribute or display these test questions by any means, in whole or in part, without our written permission. Doing so may subject you to severe civil and criminal penalties, including up to five years in prison and/or a \$250,000 fine for criminal violations.