

## Two Way Radio Communications Enhancement Systems Examination

### Content Outline

#### Open Book 5-hour examination

<i>Subjects</i>	<i>Number of Questions</i>
Two Way Radio	-
Perform an Assessment of Coverage Needs	12
Determine Design Needs	12
Ensure Proper System Installation	20
General Theory and Electrical Principles	15
Plan and Specification Reading and Interpretation	20
Wiring and Protection	3
Wiring Methods and Materials	3
Special Occupancies and Situations	2
OSHA Safety, Procedures for Testing and Use of Tools and Equipment	8
Life Safety and Americans with Disabilities Act	2
Alarms/Low Voltage	3
<b><i>Total Number of Questions</i></b>	<b><i>100</i></b>

### References

- RN7 Code of Federal Regulations, (OSHA) 29 Parts 1926, 1910, 1904 - 2018 Edition (Revised January 2017). The Government Printing Office Bookstore, 100 West Bay Street, Jacksonville, FL 32202. <https://bookstore.gpo.gov> (Ph: 866.512.1800), [mancomm.com](http://mancomm.com) (Ph: 800.417.2531)
  
- RN9 NFPA 70 – National Electrical Code, 2017, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101.
  
- RN10 NFPA 72 – National Fire Alarm Code, 2016, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101.
  
- RN13 NFPA 101 – Life Safety Code, 2018, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101.

- RN21 UL 365 – Police Station Connected Burglar Alarm Units and Systems, 2001-2 text and amendments through March 2005. This text is available as a PDF file free of charge only to candidates approved to take the Two Way Radio Communications Enhancement Systems Examination. Please be sure that you have applied to take at least one exam and have been approved before making a request. To email your request, please send your first and last name and/or your candidate ID number to [ElectricalContractors.Reference@myfloridalicense.com](mailto:ElectricalContractors.Reference@myfloridalicense.com).
- RN30 Telecommunication Wiring, 2001, 3<sup>rd</sup> edition, Herrick, Clyde, N., and McKim, C., Lee, Prentice Hall, Englewood Cliffs, NJ 07632.
- RN33 National Electrical Safety Code, C2-2007, The Institute of Electrical and Electronics Engineers, Inc., 345 East 47th Street, New York, NY 10017-2394.
- RN36 NFPA 1221 – Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems, 2019, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101.
- RN37 Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises, TIA-607-B, September 2011, Telecommunications Industry Association, 1.877.413.5187, <http://www.tiaonline.org/>.
- RN38 “47 CFR § 90.219 - Use of Signal Boosters.” *Legal Information Institute*, Legal Information Institute, [www.law.cornell.edu/cfr/text/47/90.219](http://www.law.cornell.edu/cfr/text/47/90.219).
- RN50 Contractors Manual, Florida Contractors Manual, 2017 edition. Associations of Builders and Contractors Institute, Inc., Phone: 1.866.930.4222. 3730 Coconut Creek Parkway, Coconut Creek, FL 33066. Contains the following important section:
1. Recordkeeping Guidelines for Occupational Injuries and Illnesses. (In Chapters 3, 5 and 7 of the Contractors Manual)

Note: Only those references listed will be allowed at the examination site. Editions earlier or later than those listed below can be brought to the examination but AT YOUR OWN RISK. However, only one copy of each reference will be allowed into the examination.

No scratch paper, class notes, formulas, sample questions, bound or loose leaf study materials, notes or similar material will be allowed in the examination room. Only original edition reference materials will be allowed for use at the examination, with the exception of the references specifically indicated on the reference list as a PDF file. These materials must be printed and bound in a spiral notebook or a three or more hole-puncher binder in order to be allowed in the examination room. Permanently attached tabs may be used in reference books. Post-it ® Notes, pull-off labels or removable tabs will NOT be allowed.