

# C-4R Boilers (Residential)

## License Information

**Scope** – Installation and repair of steam and hot water boilers. If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service or sub-panel.

## Examination Outline

### Closed Book

**80 Questions - Three-hour time limit**

**70% Correct required to pass**

Exam Topic	%
Boilers	20
Steam and Hot Water Piping	20
Gas Piping	10
Burners	10
Controls	10
Flues and Vents	10
Estimating	10
Testing and Inspection	10

## References

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

1. *International Fuel Gas Code, 2006*, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org)
2. *International Mechanical Code, 2006*, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
3. *Low Pressure Boilers, Second Edition, 2005*, American Technical Publishers (ATP), 1155 West 175th Street, Homewood, IL 60430-4600, [www.go2atp.com](http://www.go2atp.com).
4. *Residential Oil Burners, Second Edition, 2001*, Delmar Learning, P.O. Box 6904, Florence, KY 41022, [www.delmarlearning.com](http://www.delmarlearning.com).
5. *Modern Hydronic Heating for Residential and Light Commercial Buildings, Second Edition, 2004*, Delmar Learning, P.O. Box 6904, Florence, KY 41022, [www.delmarlearning.com](http://www.delmarlearning.com).

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

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