



National Craft Assessment and Certification Program S P E C I F I C A T I O N S

BOILERMAKER TECHNICIAN (BLMK34)

Released November 2000

Overview

This written assessment is a two-hour closed-book examination. You will be permitted to use a basic function, non-printing calculator during the examination. The assessment center will provide any necessary pencils. No extra papers, books, notes or study materials are allowed in the testing area.

Study Material

All NCCER written assessments are referenced to Contren® Learning Series modules listed in the content. You may order modules from Pearson (800.922.0579) or from NCCER's Online Catalog at www.nccer.org.

Assessment Development

All questions on each assessment have been developed and approved by subject matter experts from the respective craft. Assessment development and administration is under the direction of Prov™, NCCER's testing partner.

Credentials

NCCER will send appropriate credentials (certificate, wallet card and official transcript) to the assessment center upon successful completion of the written assessment.

Training Prescription Reports

Each candidate will have access to individual results of the written assessment from Prov's website at www.provexam.com. This training prescription will include the overall score and results by topic area.

National Registry

Assessment results will be maintained in NCCER's National Registry and become a part of each candidate's training records. These records are stored and become a portable record of the candidate's training and assessment achievements.

Focus Statement

The Boilermaker Technician is skilled in all levels of the Boilermaker curriculum and works in many types of industry and commercial companies. This assessment is NOT designed for refinery boilermakers (see Industrial Boilermaker).

Written Assessment Contents:

Module Number	Topic Area	Number of Questions
00101	Basic Safety	5
08307	Field Routing and Vessel Trim	2
34102	Boilermaking Safety	6
34103	Boilermaking Tools	4
34104	Basic Materials	2
34105	Oxyfuel Cutting	3
34106	Cutting and Fitting Gaskets	2
34107	Welding Basics	3
34202	Welding Symbols	3
34203	Drawings and Detail Sheets	3
34207	Air Carbon, Arc Gouging and Cutting	3
34208	Tube Weld Preparation and Fitting	5
34209	Pipe Hangers and Supports	3
34210	Fasteners	3
34211	Spring Can Supports	1
34212	Butt Weld Pipe Fabrication	3
34301	Boiler Pressure Components	5
34302	Boiler Nonpressure Components	4
34304	Special Rigging	3
34305	BRIL	3
34306	Boiler Auxiliaries	8
34307	Towers and Exchangers	2
34308	Testing Piping Systems and Equipment	4
34401	Advanced Trade Math	3
34402	Advanced Blueprint Reading	3
34403	Advanced Towers and Exchangers	2
34404	Advanced Boiler Tube Systems	4
34405	Advanced Pipe Fabrication	2
34406	Stress Relieving	2
34407	Quality Assurance	4
Total Number of Questions		100

Approved Reference during Assessment Session:
The Pipefitters Blue Book; W.V.Graves

The cut score for this assessment is 70%.