



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

INDUSTRIAL BOILERMAKER - EXCHANGER V1

RBLMKE34_01

October 2014

Focus Statement

A journey level industrial boilermaker in exchangers is skilled in exchanger assembly and maintenance including welding, pipe fabrication, and stress relieving. A boilermaker is also knowledgeable in oxyfuel cutting, identifying and installing valves, pipe hangers and supports, rigging, and able to read boiler drawings and detail sheets.

Overview

- Two-hour closed-book examination
- May use a basic function, non-printing calculator
- No extra papers, books, notes or study materials are allowed
- The minimum passing score is 75
- A Performance Verification is available

Study Materials

All NCCER written assessments are referenced to NCCER's curriculum listed in the content. You may order modules from Pearson (1.800.922.0579) or from NCCER's Online Catalog at www.nccer.org.

Assessment Development

All questions are developed and approved by subject matter experts under the direction of NCCER and Prov™, NCCER's testing partner.

Credentials

NCCER will send appropriate credentials to the assessment center for successful completions.

Training Prescription Reports

Each candidate will have access to individual results of the written assessment from Prov's website at www.provexam.com.

Registry

Assessment results will be maintained in NCCER's Registry and become a portable record of the candidate's training and assessment achievements.

NOTE: To receive a credential in Industrial Boilermaker – Exchangers candidates MUST complete and pass BOTH the Industrial Boilermaker – Maintenance assessment AND the Industrial Boilermaker – Exchangers assessment.

Written Assessment Contents:

Content Domain	Number of Questions
Exchangers (34307-12) (34411-12)	25
Total Number of Questions	25



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Learning Objectives related to Assessment:

	Towers
Registry ID Number:	Module Title and Objectives:
34307-11	Towers and Exchangers
	Describe how heaters, heat exchangers, and coolers operate.
	Explain vessel and exchanger drawings.
34411-12	Advanced Exchangers
	Identify exchangers and components.
	Explain how to pull an exchanger bundle.
	Explain the inspections and the types of testing used with exchangers.
	Explain how to replace a flange and nozzle on an exchanger.