



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

Intermediate Rigger (RIGINT38)

Released November 2010, Item bank updated November 2020

Overview

This knowledge assessment is a two-hour closed-book examination. You will be permitted to use a basic function, non-printing calculator during the examination. No extra papers, books, notes or study material are allowed in the testing area.

NCCER Curriculum

All NCCER knowledge assessments are referenced to NCCER's Signal Person curriculum. You may order this curriculum from Pearson (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.

Credentials

Upon successful completion of the certification requirements, NCCER will send applicable credentials to the assessment center.

Score Report and Training Prescription

Each candidate will have access to their assessment results including their overall score and recommended training.

NCCER Registry

Knowledge assessment results are recorded in NCCER's Registry and become a part of the portable record of an individual's NCCER credentials.

Focus Statement

In addition to being knowledgeable in all Basic Rigger tasks, the Intermediate Rigger must also demonstrate intermediate level of proficiency in all the rigger tasks. The rigger performs specific rigging operations using come-along and chain hoists, reeving, rigging hitches and knots, anchor points, synthetic ropes, wire ropes, chains, spreader bars and equalizing beams, synthetic slings, lifting points, dollies, trollies, winches, bars and levers, rigging jacks, links and rings, plate clamps, and cable dogs/grips.

The Intermediate Rigger is proficient in load dynamics and load weight estimation or determination as they relate to the rigging operation. The Intermediate Rigger calculates equipment capacities, and applies D/d ratios, vectors, angles, boom angles and load radius as they relate to lifting and/or rigging operations.

Knowledge Assessment Contents:

Domain	Topic Area	Number of Questions
Communications	Hand Signals/Voice Radio	5
Basic Crane Operations	Boom angles, load capacity & charts, load dynamics	5
Lifting Criteria	Center of gravity, effects of angles, eq. capacity calculations, vectors & sling angles, personnel lifting	14
Equipment	Come-alongs & hoists, tuggers & winches, rigging hardware, anchor points, bars, cable dogs, chains, dollies, rigging jacks, ropes & slings, trollies	12
Rigging Practices	Blind lifts, load configurations, mechanical advantages, taglines	15
Safety	Emergency procedures, hazards working next to power lines, fall protection	9
Total number of questions		60

The minimum passing score is 80.

A corresponding hands-on Practical Examination is available and required to earn a certified credential.