Intermediate Rigger  
(RIGINT38)  
Released November 2010

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

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.

Training Prescription Reports
Each candidate will have access to individual written assessment results at www.provexam.com. This training prescription will include the overall score and results by topic area.

ANSI Accreditation
NCCER’s Signal Person Certification Program has been designed for accreditation by ANSI. Please ask your testing center for details.

National Registry
Certification results will be maintained in NCCER’s National Registry. These records are stored and become a portable record of the candidate’s assessment achievements.

Credentials
NCCER will send appropriate credentials (certificate, wallet card and official transcript) to the assessment center upon successful completion of all requirements for intermediate rigger certification.

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, trolley, 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.

Written Assessment Contents:

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

Total number of questions  60

The score for this assessment is 80.