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NCCCO does not discriminate against any individual because of race, gender, age, creed, disability, or national origin.
Dear Practical Test Site Coordinator:

Welcome to the Practical Examination segment of the National Commission for the Certification of Crane Operators (NCCCO) articulating crane operator certification program.

These Practical Examinations have been created by NCCCO as fair, valid, and reliable assessments of the essential skills that operators need to demonstrate to be certified by NCCCO to operate articulating boom cranes and articulating boom loaders. These CCO Practical Examinations have been developed by a task force staffed by experts from all aspects of the crane industry—crane operators, training directors, managers, supervisors, manufacturers—representing many thousands of hours of crane experience. These volunteers gave freely of their time and expertise with the goal of improving the safety of all whose work brings them into contact with cranes and lifting equipment.

Until recently crane operator certification has been voluntary unless required by local jurisdictions or specific employers. However, in August 2010, the federal Occupational Safety and Health Administration (OSHA) enacted new national standards for cranes and derricks used in construction under 29 CFR 1926 Subpart CC. These new rules require that operators of most cranes above 2,000 lb. capacity when used in construction need to be either certified by an accredited crane operator testing organization such as NCCCO or qualified through an audited employer program. Section 1926.1427 of the new rule describes crane operator certification/qualification requirements. Option 1, which is anticipated to be the most commonly used, requires operators to be certified by a nationally accredited crane operator testing organization that tests operators through written and practical testing. Obtaining CCO certification from NCCCO meets all the requirements set forth by the new OSHA rule.

NCCCO teamed its knowledge and experience with the exam development expertise of International Assessment Institute (IAI). Based in Dunedin, Florida, IAI guided the NCCCO task force in establishing key elements of the program, including identifying essential skills, selecting tasks, standardizing test conditions, developing the scoring process, establishing reliability among tests, and creating flexible application and scheduling procedures. In concert with the NCCCO task force, IAI also designed the Practical Examiner Accreditation Program, whereby NCCCO trains and accredits CCO–certified crane operators to administer CCO Practical Examinations.

This handbook has been developed to provide you, the Practical Test Site Coordinator, with all the information you need to prepare for successful CCO Practical Examinations. As the Practical Test Site Coordinator, you play a critical role in the smooth administration of CCO exams on test day. It is vitally important that you study this entire handbook carefully before making any preparations for a practical test administration. The overview of the Practical Examination Process on page 1 and the summary of your responsibilities in the subsequent chapter are particularly important to understand the requirements for hosting and administering Practical Examinations. As you read through this handbook, you will find that it provides a large amount of detail on such aspects as crane selection and configuration layout of the Test Site and construction of the Test Weight and other Test Site equipment. The validity and reliability of the test you are planning to administer depends on your following of these each requirements precisely. Failure to do so could result in your practical test being declared invalid and the need to start over.

NCCCO recognizes the commitment you have made and the resources you will allocate to hosting CCO Practical Examinations. We want your experience to be a positive and successful one, and we stand ready to assist you in reaching that goal. If, after reading this handbook, there is anything you do not fully understand or need clarifying, please call NCCCO at 703-560-2391 or email info@nccco.org. NCCCO staff will guide you through any aspects of the Practical Examination administration process that you would like explained in detail.
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Practical Examination Process

FOUR OR MORE WEEKS BEFORE THE PRACTICAL EXAM…

STEP 1
The Test Site Coordinator identifies:
• The Practical Examiner who will conduct the test
• The approximate date of test
• Number of candidates to be tested

STEP 2
The Test Site Coordinator completes the Practical Examination Test Site Application and sends it to NCCCO’s Western Regional office.

TWO OR MORE WEEKS BEFORE THE PRACTICAL EXAM…

STEP 3
• The Test Site Coordinator sets scheduling of the test with the Practical Examiner.
• The Practical Examiner orders the required number of Candidate Score Sheets online.

ONE OR MORE DAYS BEFORE THE PRACTICAL EXAM…

The Test Site Coordinator:
• Prepares the Test Site in accordance with CCO requirements
• Reviews the Practical Exam Candidate Application for each candidate

ON THE DAY OF THE PRACTICAL EXAM…

STEP 5
The Practical Examiner:
• Completes a Site Report for each Practical Exam course, prior to testing
• Fills out a Crane Report for each crane prior to it being used for testing
• Administers the Practical Examination(s)

AFTER THE PRACTICAL EXAM…

STEP 6
The Test Site Coordinator sends the following documents to IAI:
• Candidate Applications with passport photos
• Candidate Written Exam verification (if applicable)
• Candidate fees

The Practical Examiner sends the following documents to IAI:
• Candidate Score Sheet(s)
• Site Report(s)
• Crane Report(s)

WITHIN 12 BUSINESS DAYS AFTER RECEIVING THE NECESSARY DOCUMENTS…

STEP 7
International Assessment Institute processes the Candidate Score Sheets and sends:
• Score reports to candidates and, if applicable, certification cards
• A Pass/Fail Score Report or Detailed Score Report to Test Site Coordinator (if requested)
Facilities seeking to serve as NCCCO Practical Exam Sites must meet all the following criteria for hosting a Practical Exam. If the facility meets the stated criteria, NCCCO will provide all the information necessary to schedule Practical Examinations.

**CRITERIA FOR TEST SITES**

Each Practical Exam Test Site facility must arrange to have on site the following:

- A designated Test Site Coordinator
- An NCCCO-Accredited Practical Examiner
- A designated Proctor(s) to assist the Practical Examiner during the test
- Crane(s) that meet NCCCO requirements for the Practical Exam(s) to be given
- An area suitable for testing on the cranes selected; pole corridors may be set up on asphalt, concrete surface, or firm and compacted sand, dirt, or gravel with a sufficiently uniform surface to permit the poles to stand vertical and slide freely; grass surfaces are not acceptable
- Any ancillary equipment necessary for conducting the exam(s)
- An indoor facility suitable for the Pre-Test Briefing of exam candidates and a waiting area.

In addition, Practical Exam Test Sites must pay an annual $50 registration fee at the time of application and before the first practical test of each calendar year thereafter. If running a variety of CCO exams at that location, only one Test Site fee is charged on an annual basis. Employers or organizations with more than one Test Site must pay a fee for each site. Candidate Score Sheets from exams conducted at Practical Exam Test Sites that have not paid the $50 annual fee will not be processed.

**NEW TEST SITES**

All new NCCCO Practical Exam Test Sites are required to provide notification via NCCCO’s website at www.nccco.org/login no less than 48 hours (two business days) prior to any test administration for 12 months after their first test administration. Changes or cancellations to testing plans are subject to the same notification requirement.

Once a site has provided test notification to NCCCO, that will be considered intent to test on that day and the site may be audited even if no testing occurs.

**TEST SITE COORDINATOR**

The person designated by the host company or organization to liaise with NCCCO and its testing company International Assessment Institute (IAI) on test administration matters is known as the Test Site Coordinator. The Test Site Coordinator is responsible for the following:

- Preparing a test area in accordance with the directions in the Test Site Setup, Test Site Layout Instructions, and Test Site Layout (CAD) provided by NCCCO for the crane type to be tested on
- Preparing test equipment in accordance with the directions provided under Crane Selection and Setup for the appropriate crane type
- Scheduling candidates to take the Practical Exam, and informing them of their test date, location, and time
- Liaising with the Practical Examiner and NCCCO in all aspects of test preparation and administration
- Remaining at the Test Site throughout each test administration (or a designated representative)
- Have a direct email address to receive email notifications from NCCCO (this may not be a shared address)

Test Site Coordinators are also responsible for ensuring that all candidates and proctors meet NCCCO’s personal protective equipment (PPE) policies, which at a minimum meet OSHA requirements.

All Test Site Coordinators and their designated representative are required to submit a completed Test Site Coordinator Agreement form to the NCCCO Western Regional Office.

NCCCO periodically emails Information Bulletins to all Test Site Coordinators containing clarifications and updated policies. To remain in good standing, Test Site Coordinators are required to abide by the information contained therein.

**PRACTICING THE TEST COURSE**

Practicing the Practical Exam on or before the day of the test is permitted with the approval of the Test Site Coordinator for that site.

**PRACTICAL EXAMINER**

Practical Examinations are conducted by NCCCO-accredited Practical Examiners. NCCCO does not assign a Practical Examiner for your site; you can search a directory of accredited Practical Examiners available for hire on
NCCCO’s website at www.nccco.org/pe-for-hire. Practical Examiners must have an email address as a condition of accreditation.

Examiners may test only one candidate on one crane at one time. Thus, testing a candidate (or several candidates, in turn) on one crane, requires only one Practical Examiner. Testing two candidates simultaneously on separate cranes would, however, require two Practical Examiners, and so on.

If you need assistance on selecting a Practical Examiner, contact NCCCO.

Only Practical Examiners are permitted to request official Candidate Score Sheets from International Assessment Institute. These must be requested at least two weeks prior to the intended test date.

**Proctors**

Proctors are volunteers who assist the Practical Examiner in administering exams. The Test Site Coordinator is responsible for assigning one Proctor per Practical Examiner to assist during the test. Proctors are under the direction of the Practical Examiner during the test administration. Proctors may not be candidates waiting to take the Practical Exam.

**Applying to Host a Practical Examination**

When the Test Site Coordinator is ready to schedule a test, he/she must submit to NCCCO a completed Test Site Application.

NCCCO Practical Test Sites are registered by the host company for which the services are being provided, not the training company or the Practical Examiner.

The Test Site Application shall be filled out under the company’s information for which the services are being provided (not the training company). All contact information (including an email address for the company contact person) must be provided. The training representative is not an acceptable contact person.

As illustrated on page 1, Test Site Application(s) should be sent, along with all additional requested materials, to NCCCO no later than four weeks prior to the desired test date. Note that all the information requested must be included; incomplete applications cannot be processed.

Once the application has been approved, NCCCO will send the layout of the Test Site and crane setup, including a CAD Test Site Plan. NCCCO will email the CAD directly to the host company representative and the Test Site Coordinator.  

**Site Layout**

Using the information NCCCO provides, including the Test Site Layout (CAD) and the instructions contained in this handbook, the Test Site Coordinator should prepare the cranes and lay out the Test Site.

Before the Practical Examiner can begin testing, he/she will verify the test site has been laid out correctly.

Copies of the Site Reports and Crane Reports used for each crane type are provided in this handbook. NCCCO encourages Test Site Coordinators to use these reports to check that all items are in order before the Examiner arrives. This will expedite the Examiner’s verification of the Test Site.

For permanent practical Test Sites, the requirement for a site inspection prior to each test may be waived. This option is available only to Test Sites where there has been no change in test crane, test site/location, and Test Site Coordinator in the last six months. If it has been more than six months since the last full Site Report was submitted, another full Site Report must be submitted.

*If the Test Site Coordinator requests a Test Site Report Waiver*, the Examiner must have the Test Site Coordinator sign a statement on the last page of the Site Report attesting that all the requirements for such a waiver have been met.

**Permanent Test Sites**

Practical Test Sites that test on a regular basis may become permanent Practical Test Sites. For such sites, the requirement for a site inspection prior to each test may be waived. This option is available only to test sites where there has been no change in test crane, test site/location, and Test Site Coordinator in the last 12 months. If it has been more than 12 months since the last full site inspection was conducted, another full site inspection must be conducted.

Use the Permanent Test Site Application on pages 21–22 to apply for Permanent Test Site status. Probationary test sites may not apply.

**Secure Test Sites**

Test sites with limited access and/or enhanced security protocols that might interfere with the ability of testing personnel and/or NCCCO staff and Auditor are required to indicate on their Test Site Applications that they are secure sites. They must also complete the enclosed Security Requirements Report and provide any associated documentation (such as the site’s formal security policy), all of which should be submitted along with the Test Site Application. All Secure Test Sites—including permanent Test Sites—must submit completed Security Requirement Reports annually.
VERIFYING CANDIDATE ELIGIBILITY

Candidates must pass both a Written Exam and a Practical Exam in the category(s) they wish to be certified in. Candidates have 12 months after they pass the first Exam (Written or Practical) in which to take and pass the corresponding Written or Practical Exam in the same category. Candidates may take their Written and Practical Exams in any order. For example, a candidate passing the ABC Written Exam would have 12 months to pass the ABC Practical Exam.

CANDIDATE PHOTOGRAPHS

All candidate applications must be accompanied by a color, head-and-shoulders photograph of the candidate without hat or sunglasses. Test Sites equipped with digital photographic equipment are encouraged to submit candidate photographs to International Assessment Institute in digital format via email or CD.

EXAMINATION FEES

Examination fees for the Practical Examinations are as follows:

- One Articulating Crane type (new candidate) ........ $60
- Two Articulating Crane types (new candidate) ........ $70
- One Articulating Crane type (current CCO-certified Mobile Crane Operator, or new candidate registering for Mobile Crane Operator exams at the same time) ......................................................... $50
- Two Articulating Crane types (current CCO-certified Mobile Crane Operator, or new candidate registering for Mobile Crane Operator exams at the same time) .......................................................... $60
- Updated/replacement card ........................................ $25

SUBMITTING APPLICATIONS

Once testing is completed, the Test Site Coordinator must send to International Assessment Institute via overnight or second-day courier:

- Candidate applications with photos
- Candidate fees

SCORE REPORTING

All candidates are mailed a report of their performance from International Assessment Institute approximately 12 business days after receipt of the Candidate Score Sheets from the Practical Examiner.

For candidates testing at their sites, Test Site Coordinators may request a summary of candidates’ Detailed Score Reports or Pass/Fail Score Reports using the forms pages 17 and 19 of this handbook, respectively. Note that all requests for Detailed Score Reports must include the release signature of each candidate.

MENTOR PROGRAM

Practical Test Sites testing for the first time are encouraged to request a Mentor from NCCCO. Mentors are NCCCO-accredited Practical Examiners who have experience in laying out Test Sites and who have been approved as Mentors by NCCCO’s Practical Exam Management Committee.

Mentors are volunteers who receive no compensation from NCCCO for their services. However, Test Sites may negotiate fees with Mentors for test site setup and/or Practical Exam guidance services. Practical Test Sites interested in having a Mentor attend their site should contact NCCCO.

AUDIT PROGRAM

NCCCO conducts audits of Test Sites and/or Practical Examiners in accordance with the accreditation requirements of the American National Standards Institute (ANSI) and National Commission for Certifying Agencies (NCCA).

Test Sites and/or Practical Examiners are selected for audits on the basis of a variety of criteria, including random selection, in response to issues reported by candidates, unusually high or low pass rates, new Test Sites, or probationary Examiners.

Once a site has been selected for an audit, the Test Site Coordinator or company representative from the site may be notified by letter from NCCCO prior to the scheduled test day. In addition, the auditor will contact the Test Site Coordinator or company representative to verify the testing date and the site address. Unannounced audits may also be conducted.

It is a condition of Practical Examiner accreditation and Test Site status that all Test Site personnel, including the Test Site Coordinator, Practical Examiner, and Proctor, cooperate fully with the NCCCO auditor during the audit process.

Practical Examiners who have been audited and have been notified that an additional audit is required, will be responsible for the expenses incurred by NCCCO for the additional audit. Any practical exams conducted by the Examiner will not be scored until NCCCO has been reimbursed for the incurred expenses.
Assembled Pole Barrier

12” #18 nylon string attached to the pole (between 2”–8” from the top) and tennis ball with two #2 × 1¼ zinc-plated screws, or equivalent galvanized #2 × 1¼ screws.

Pole base must be made either of two layers of ¾” plywood (CDX grade or better) glued together, or High Density Polyethylene (HDPE).

Nominal dimensions must be 1½” (±½”) × 12” × 12”.

Tennis Ball

12” Painted or Taped Flourescent Red

12” #18 Nylon String

1½” PVC SHD 40 Pipe

Two #2 × 1¼ zinc-plated screws

Pipe must be fully inserted into hole so that distance between top of pole to ground is 36”.

Two sheets of ¾” × 12” × 12” plywood (CDX grade or better)
PRE-TEST CANDIDATE BRIEFING AREA
This area must be located so that waiting candidates are unable to observe testing procedures. It must be provided with:

- NCCCO candidate instruction materials, including a written description of the examination (*Candidate Handbook*) and copies of the Test Site Layout (CAD)
- Operator’s manuals and load charts for all cranes to be tested on
- A computer or DVD player and television for candidates to watch the CCO Practical Exam presentation
- An indoor facility suitable for the Pre-Test Briefing of exam candidates, to include:
  - Sufficient tables and chairs to seat candidates for the Pre-Test Briefing
  - Head table or podium at the front of the room
  - Registration table
  - Quiet, well-lit, surroundings with a comfortable temperature
  - Easy access to unlocked rest rooms stocked with sufficient supplies
  - Easy access to a water fountain
  - Large signs prominently posted to make candidates aware of the location of the test

ZIGZAG CORRIDOR
The Zigzag Corridor is composed of a PVC-pole barrier with one tennis ball placed on top of each pole.

POLES
Poles are made of 1½-inch, white PVC pipe (SHD 40), 36 in. long, painted orange or red on top 12 in. (see Pole Barrier Construction Diagram, page 8). The poles must be mounted on a pole base made of two ¾-inch, CDX-grade (or better) plywood glued together, cut 12 in. long with ends cut square.

As an alternative to plywood, high density polyethylene (HDPE) or equivalent, may be used to construct the pole bases. This material must meet the following requirements:

- Weight: 5 lbs. (±10 percent)
- Dimensions: 12 in. × 12 in. × 1½ in. (±1/2 in. thick)

The weight must be spread evenly across the base. Pole bases may be coated with a protective finish if desired, so long as they continue to meet the stated design and construction parameters.

Pole bases must be placed as indicated on the Test Site Layout (CAD). A taut, brightly colored string line must be placed on the ground under the centerline of each pole base.

To assist the Examiner and Proctor in restoring the Zigzag Corridor between tasks, the tennis balls may be attached to the pole by means of 12 in. long #18 nylon string. The string must be attached 1 in. to 8 in. from the top of the pole and to the tennis ball using two #2 × 1½ in. sheet metal screws or equivalent as illustrated on page 8.

During the test, the string loops must face towards the outside of the corridor to avoid the string being snagged on the Test Weight.

If the string does become snagged during a test, the Examiner must stop the test, restore the corridor to its original condition, and direct the candidate to restart the task.

HURDLE
The hurdle is constructed of two poles with notches cut out to hold PVC pipe in a horizontal position. The notches on the poles must be centered and must not exceed 1 in. wide and ½ in. deep. The PVC pipe must be 1 in. diameter, with a length of 6 ft. ± 1 in. for Articulating Boom Cranes and a length of 7 ft. ± 1 in. for Articulating Boom Loaders.

DESIGNATED AREA CIRCLES
All circles must have a 4 ft. outside diameter with a clearly marked inside line at least 2 in. wide; they must be located per the Test Site Layout (CAD). The suggested method of marking the circles is a thin, durable, 4 ft. outside diameter rubber mat that secures to the ground and is of a color that contrasts distinctly with the ground surface.

RECTANGLES
On the ABL course, the Truck Bed and Corral rectangle are 6 ft. × 10 ft., with a minimum 2 in. wide line inside the rectangle. The suggested method of marking the rectangles is spray paint or tape of a color that contrasts distinctly with the ground surface around the inside perimeter. These rectangles must be precisely located per the Test Site Layout (CAD).

LEVEL
All parts of the Test Site must be level and free of debris, stored materials, surface irregularities, or hazards such as overhead power lines that could interfere with test maneuvers. No obstructions may be within 5 ft. of a practical test course in any direction.
Articulating Crane Operator
TEST SITE COORDINATOR FORMS

• Test Site Application
• Test Site Coordinator Agreement
• Candidate Application—Practical Examination
• Detailed Score Report Request Form
• Pass/Fail Report Request Form
• Permanent Test Site Application
• Security Requirements Report
**Test Site Application**

**PRACTICAL EXAMINATION—ARTICULATING CRANE OPERATOR**

**The Company Representative assumes total responsibility for the following items:**

1. Selection of cranes and verification that at all times during the testing process the cranes are in compliance with federal and state OSHA requirements and the current ASME B30 standard
2. Verification that candidate’s application for the Practical Exam is complete
3. Verification that candidate is physically and mentally capable of safe operation on the day of the Exam
4. Personal injury and/or property damage resulting from or caused in any way by the act of participation in the CCO Practical Examination
5. Abiding by NCCCO Practical Test Site Audit requirements

**COMPANY REPRESENTATIVE SIGNATURE**

**DATE**

**METHOD OF PAYMENT FOR TEST SITE FEE**

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<th>☐ Personal check enclosed</th>
<th>☐ Employer check enclosed</th>
<th>☐ Money order enclosed</th>
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*Please do not staple your check or money order.*

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<th>☐ Visa ☐ MasterCard ☐ Personal check ☐ Employer check ☐ Money order</th>
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**If paying by credit card, please complete the following information:**

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*Three-digit security code located on the back of the card in the signature panel.

Checks and money orders should be payable to: NCCCO

**Please send application and payments to:**

National Commission for the Certification of Crane Operators
Western Regional Office
57 West 200 South, Suite 404 Salt Lake City, Utah 84101
Phone: 801-363-2693 / Fax: 801-363-3806 / Email: ejones@nccco.org
Thank you for your application to be a Test Site Coordinator for CCO Practical Examinations. Test Site Coordinators play a critical role in the CCO examination process, from the initial site application, through the collection and submission of candidate applications to NCCCO’s testing provider, International Assessment Institute (IAI), to serving as liaison with the Examiner on test day. To ensure a smooth administration of CCO certification exams, it is critical that Test Site Coordinators fulfill their duties in a competent and professional manner. Please review the following Agreement and sign below where indicated, acknowledging that you have read and understood this Agreement and that, should your application be successful, you agree to abide by all of its provisions. NOTE: If your employment or affiliation changes from the company/organization listed below, you must complete and execute this form anew.

As a Test Site Coordinator for CCO Practical Examinations, I certify and acknowledge that:

1. I will not disclose (nor cause to be disclosed) to anyone outside of NCCCO any confidential information I obtain as a result of my participation as a Test Site Coordinator in the CCO certification program, including, without limitation, the content of any examination.
2. I have read all applicable NCCCO policies and procedures, particularly those detailed in the Practical Examination Test Site Coordinator Handbook, and I agree to be bound by the same.
3. I have read NCCCO’s Criteria for Practical Test Sites and agree to prepare all Test Sites in accordance with the general directions set forth therein.
4. I agree to provide authorized personnel with access to the Test Site on test day and to remain (or arrange for my designated representative(s) to remain) at the Test Site throughout the test administration.
5. If I arrange for one or more representatives to remain at the Test Site, I agree to explain the responsibilities and obligations of a Test Site Coordinator to such persons and to ensure their compliance therewith.
6. I understand that the site for which I am a Test Site Coordinator may be audited by NCCCO and that I am required to cooperate fully with the NCCCO Auditor.
7. I agree to meet all applicable deadlines for submitting the Practical Test Site Application and Data Sheet with all necessary supporting crane documentation.
8. I agree to ensure that all Candidate Applications I submit are complete and in compliance with stated NCCCO policies and procedures, including any required payments.
9. I agree to pay any and all fees that are due in a timely fashion, including any additional fees I may incur by submitting incomplete or late applications.
10. I agree not to make, and not to knowingly allow any other person to make, any material misrepresentation or omission of fact in any document I submit to NCCCO or IAI.
11. I am acting on my own behalf and/or on behalf of the company or organization set forth below, and I am not acting to circumvent a prior NCCCO suspension or revocation.
12. I agree to conduct my affairs with NCCCO, IAI, any Examiner, clients, and candidates in a professional manner, according to accepted codes of business conduct.

I understand that non-compliance with any of these provisions may result in the revocation or suspension of my status as a Test Site Coordinator for CCO Practical Examinations. I agree that any questions or other matter arising under this agreement will be governed by and construed in accordance with the laws of the State of Virginia, without regard to choice of law rules. All actions and proceedings arising out of or relating directly or indirectly to this agreement will be filed and litigated exclusively in any state court or federal court located in the State of Virginia. I expressly consent to the jurisdiction of these courts.

Please complete and submit to:
National Commission for the Certification of Crane Operators, Western Regional Office
57 West 200 South, Suite 404, Salt Lake City, UT 84101
Phone: 801-363-2693 / Fax: 801-363-3806 / Email: ejones@nccco.org
Candidate Application
PRACTICAL EXAMINATION—ARTICULATING CRANE OPERATOR

Please type or print neatly.

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INDICATE WITH A CHECK THE CRANE TYPE(S) YOU WISH TO BE TESTED ON:

- Articulating Boom Crane (ABC)
- Articulating Boom Loader (ABL)

TEST SITE AT WHICH YOU INTEND TO TAKE THE PRACTICAL EXAMINATION

<table>
<thead>
<tr>
<th>TEST SITE COORDINATOR NAME</th>
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Under penalties of perjury, I declare that the foregoing statements and those in any required accompanying documentation are true. I understand and agree that my failure to provide accurate and complete information or abide by NCCCO’s policies and procedures, including the Code of Ethics, shall constitute grounds for the rejection of my application, or denial or revocation of my certification. I consent to NCCCO’s release of any information regarding this application and my examination administration to third parties. I have received a copy of the NCCCO Candidate Handbook, have read it, and agree to be bound by it. I also agree to be bound by all NCCCO policies and procedures, as they may be amended from time to time, including without limitation those posted at nccco.org. I attest that I have passed a substance abuse test conducted by a recognized laboratory service and agree to comply with NCCCO’s substance abuse policy. I have passed a physical exam that complies with the ASME B30 standard for my certification designation and I will continue to comply with those requirements. I understand that if at any point during my certification period I fail to meet any of the requirements outlined above, or if matters arise that can affect my capability to continue to fulfill certification requirements, I must report it to NCCCO immediately and agree to cooperate with any subsequent investigation regarding such matters.

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<th>CANDIDATE SIGNATURE</th>
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THIS AREA FOR NCCCO/IAI USE ONLY:

- Articulating Boom Crane (ABC)
- Articulating Boom Crane w/Winch (ABW)
- Articulating Boom Loader (ABL)
CANDIDATE APPLICATION (CONT’D)
PRACTICAL EXAMINATION—ARTICULATING CRANE OPERATOR

CCO CERTIFICATION CARD

Candidates who meet all the requirements for certification in any one category are issued a certification card at no charge. Replacement and updated cards are available for an additional fee; see panel below.

Please attach a passport color photo (without hat or sunglasses) and enclose with your application form any required payment based upon the information listed below.

A digital photo may be substituted for a passport photo.

PRACTICAL EXAMINATION FEES

Checks and money orders must be made payable to International Assessment Institute. Credit cards (Visa, Master Card or American Express) may be used by filling out the Credit Card Box below.

Check the box next to the Practical Exam(s) for which you are registering.

Practical Examination Fees:

- One Articulating Crane Type: $60
- Two Articulating Crane Types: $70
- Updated/replacement card: $25
- One Articulating Crane type (current CCO–certified Mobile Crane Operator, or new candidate registering for Mobile Crane exams at same time): $50
- Two Articulating Crane types (current CCO–certified Mobile Crane Operator, or new candidate registering for Mobile Crane exams at same time): $60

METHOD OF PAYMENT FOR CANDIDATE EXAMINATION FEES

Do not send cash.

If paying by credit card, complete the following information:

- CREDIT CARD NUMBER
- EXPIRATION DATE
- NAME (Print as it appears on card)
- SIGNATURE (on card)
- SECURITY CODE*

* Three or four digit security code located on the back of the card in the signature panel.

Checks and money orders should be payable to: International Assessment Institute—Attention: CCO Testing

Do not send this application to IAI or NCCCO. Give this application, along with payment and all necessary documentation, to your Test Site Coordinator on test day.
Detailed Score Report Request Form
FOR CCO PRACTICAL EXAMINATIONS

If you wish to receive a Detailed Score Report on candidates taking the CCO examination(s), please fill out this form and submit it, along with a $50 processing fee (payable to International Assessment Institute), to IAI when you return your Test Administration materials for each administration:

<table>
<thead>
<tr>
<th>International Assessment Institute—Attn: NCCCO Testing</th>
<th>Phone: 727-449-8525</th>
</tr>
</thead>
<tbody>
<tr>
<td>1960 Bayshore Blvd.</td>
<td>Fax: 727-461-2746</td>
</tr>
<tr>
<td>Dunedin, FL 34698</td>
<td>Email: <a href="mailto:kim@iaixam.com">kim@iaixam.com</a></td>
</tr>
</tbody>
</table>

You must submit this form for each test administration. Scores are the property of the candidate, and his/her consent must be obtained before International Assessment Institute can release the scores to a third party. Please have the candidate sign under the release statement below.

Please type or print neatly.

<table>
<thead>
<tr>
<th>NAME OF REQUESTOR</th>
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CANDIDATE RELEASE STATEMENT

Notice to Candidate: By signing this form, you are giving your permission to the National Commission for the Certification of Crane Operators (NCCCO) and International Assessment Institute to release the details of your test scores directly to the person listed above as the "Requestor."

<table>
<thead>
<tr>
<th>CANDIDATE NAME (printed)</th>
<th>SOCIAL SECURITY # (last four)*</th>
<th>CANDIDATE RELEASE SIGNATURE</th>
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* Last four digits of social security number required to assure correct candidate identification.

METHOD OF PAYMENT FOR DETAILED SCORE REPORT REQUEST

Do not send cash.

- Please do not staple your check or money order.

Checks and money orders should be payable to: International Assessment Institute—Attention: NCCCO Testing

If paying by credit card, please complete the following information:

<table>
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<tr>
<th>CREDIT CARD NUMBER</th>
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NAME (Print as it appears on card) SIGNATURE (on card)

* Three or four digit security code located on the back of the card in the signature panel.
**DETAILED SCORE REPORT REQUEST FORM (CONT’D)**

<table>
<thead>
<tr>
<th>TEST SITE NUMBER</th>
<th>TEST DATE</th>
<th>NAME OF REQUESTOR</th>
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**CANDIDATE RELEASE STATEMENT**

*Notice to Candidate:* By signing this form, you are giving your permission to the National Commission for the Certification of Crane Operators (NCCCO) and International Assessment Institute to release the details of your test scores directly to the person listed above as the “Requestor.”

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* Last four digits of social security number are required to assure correct candidate identification.
Pass/Fail Report Request Form
FOR CCO PRACTICAL EXAMINATIONS

If you wish to receive a Pass/Fail Report on candidates taking the CCO examination(s), please fill out this form and submit it, along with a $50 processing fee, to International Assessment Institute when you return your Test Administration materials for each administration. **You must submit this form for each test administration.**

International Assessment Institute—Attn: NCCCO Testing
1960 Bayshore Blvd.
Dunedin, FL 34698
Phone: 727-449-8525
Fax: 727-461-2746
Email: kim@iaiexam.com

*Please type or print neatly.*

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<th>NAME OF REQUESTOR</th>
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<td>COMPANY NAME</td>
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<td>CITY</td>
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<td>TEST SITE NUMBER</td>
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*Last four digits of social security number required to assure correct candidate identification.*

**METHOD OF PAYMENT FOR PASS/FAIL REPORT REQUEST**

| VISA | MasterCard | Personal check enclosed | Employer check enclosed | Money order enclosed | **Do not send cash.** |

*Checks and money orders should be payable to: International Assessment Institute—Attention: NCCCO Testing*  
*If paying by credit card, please complete the following information:*

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*NAME (Print as it appears on card)  SIGNATURE (on card)*

*Three or four digit security code located on the back of the card in the signature panel.*
Permanent Test Site Application
PRACTICAL EXAMINATIONS

Please type or print neatly.

HOST COMPANY REPRESENTATIVE

HOST COMPANY NAME

HOST COMPANY MAILING ADDRESS

CITY
STATE
ZIP

HOST PHONE
HOST FAX
HOST EMAIL

TEST SITE ADDRESS (Physical address of where the crane(s) will be set up; P.O. Boxes not acceptable)

CITY
STATE
ZIP

Programs this site is registered for:

- Mobile
- Tower
- Overhead
- Articulating
- Service Truck
- Digger Derrick
- Rigger
- Signalperson

Cranes/digger derricks registered to this test site (operator programs only):

<table>
<thead>
<tr>
<th>MAKE/MODEL</th>
<th>SERIAL NUMBER</th>
<th>MAX RATED CAPACITY (TONS)</th>
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If additional space is needed, please continue on the back side if this application.

The Practical Examination Test Site Coordinator assumes total responsibility for the following items:

1. Selection of equipment and verification that at all times during the testing process the equipment is in compliance with federal and state OSHA requirements and current applicable industry standards.
2. Personal injury and/or property damage resulting from or caused in any way by the act of participation in the CCO Practical Examination.

By signing this application, I understand as Test Site Coordinator that this site is a permanent site in which the course, cranes/digger derricks, and Test Site Coordinator have not changed within the last 12 months. I also agree to abide by all NCCCO Practical Test Site Policies and procedures. I understand that by signing this application, NCCCO will conduct an audit of the test site prior to the site being granted permanent status and that if at any time within 12 months the course, cranes/digger derricks, or Test Site Coordinator change, this site will no longer be considered permanent and a new application for permanent status will be required.

TEST SITE COORDINATOR SIGNATURE
TEST SITE COORDINATOR NAME
TEST SITE COORDINATOR EMAIL
DATE

Please complete and submit to:
National Commission for the Certification of Crane Operators, Western Regional Office
57 West 200 South, Suite 404, Salt Lake City, UT 84101
Phone: 801-363-2693 / Fax: 801-363-3806 / Email: ejones@nccco.org
PERMANENT TEST SITE APPLICATION (CONT’D)
PRACTICAL EXAMINATIONS

Test Site #: ______________

Additional cranes/digger derricks registered to this test site (operator programs only):

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<tr>
<th>MAKE/MODEL</th>
<th>SERIAL NUMBER</th>
<th>TONNAGE</th>
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A secured test site is a site that requires additional security clearance or security procedures for off-site personnel. If the Test Site Application indicates that the test site is a secure facility, please complete this form and submit it with the Test Site Application.

Please type or print neatly.

<table>
<thead>
<tr>
<th>SECURITY CONTACT REPRESENTATIVE</th>
<th>PE TEST SITE NUMBER (OBTAIN FROM TEST SITE COORDINATOR)</th>
</tr>
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<tbody>
<tr>
<td>HOST COMPANY NAME</td>
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<td>HOST COMPANY MAILING ADDRESS</td>
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<tr>
<td>CITY</td>
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<tr>
<td>TEST SITE ADDRESS (Physical address of where the crane(s) will be set up; P.O. Boxes not acceptable)</td>
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<td>CITY</td>
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1. Does the site have a secured entrance? ☐ Yes ☐ No

2. If the site has multiple entrances, which entrance should testing personnel and/or NCCCO staff and Auditor use to access testing location? 
________________________________________________________________________________________
________________________________________________________________________________________

3. What type(s) of credentials or proof of training are required to gain access to the site? 
________________________________________________________________________________________
________________________________________________________________________________________

4. How much time is required for a security review? 
________________________________________________________________________________________

5. Can security reviews be performed in advance of testing personnel and/or NCCCO staff and Auditor arriving at secure site? ☐ Yes ☐ No

6. Does the site have other site-specific requirements or protocols? (Describe below or attach written security policy.)
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________

SECURITY CONTACT SIGNATURE DATE

Please complete and submit to:
National Commission for the Certification of Crane Operators, Western Regional Office
57 West 200 South, Suite 404, Salt Lake City, UT 84101
Phone: 801-363-2693 / Fax: 801-363-3806 / Email: ejones@nccco.org
Articulating Crane Operator
TEST SITE COORDINATOR—ARTICULATING BOOM CRANES

• Photographs
• Sample Test Site Layout (CAD)
• Test Site Layout Instructions
• Crane Selection and Setup
• Ready Reference Checklist
• Site Report
• Crane Report
Photographs
ARTICULATING BOOM CRANES

Corridor poles

Hurdle

Designated Area
TEST WEIGHT
One example of a suitable Test Weight is this 30 in. piece of 36 in. diameter pipe.

Any specially fabricated structural components that are part of the load-supporting system must be designed and fabricated in accordance with the requirements of the current applicable industry standards.

MEASURING THE COURSE
All elements of the test site must be laid out in accordance with the Test Site Layout (CAD). The Test Site Coordinator is responsible for carefully checking all dimensions prior to the arrival of the Practical Examiner.
Sample Test Site Layout (CAD)
ARTICULATING BOOM CRANES

This a typical sample of an ABC Crane Practical Test Layout. It is not to be used in an actual test situation.

ARTICULATING BOOM CRANE LAYOUT (ABC #2)
Boom Radius ≥ 30ft
Auxiliary Stabilizer Span (if equipped) <14′
Test Site Layout Instructions

ARTICULATING BOOM CRANES

Using the CAD drawing and other information provided by NCCCO, it is the Test Site Coordinator’s responsibility to lay out the test site. It is extremely important that all test equipment (corridor poles, Test Weight and Designated Areas, etc.) be placed exactly as indicated on the CAD drawings. Failure to do so could result in the test administration being declared invalid and the need to start over.

Before the Practical Examiner can begin testing, he/she will verify the site is laid out correctly using the Site Report for the appropriate crane type. Different versions of the Site Report form can be found in the appropriate sections of this handbook. Test Site Coordinators are strongly encouraged to use this form to verify that they have followed the site layout directions correctly.

There are various ways to begin the process of laying out the Test Site, but we recommend the following procedure:

1. CHECK FOR OBSTRUCTIONS
   
   Ensure there are no obstructions (on the ground or overhead) that could interfere with the safe operation of the crane during the test. No obstructions may be within 5 ft. of a practical test course in any direction.

2. PLAN TEST SITE & MARK CENTER OF ROTATION
   
   Survey the test area and ensure there is sufficient level space for the truck, stabilizer span, and full course. Identify the ideal location of the center of rotation of the crane. Clearly mark this point on the ground, and begin building the course.

3. LOCATE CENTERLINES
   
   Run a string line down the longitudinal centerline. From this line, measure out two parallel lines: the center of the first and last legs of the Zigzag Corridor. Along the original string line, indicate the actual center of rotation for the truck.

4. LAY OUT PARALLEL ZIGZAG SIDES
   
   Using the string-lined longitudinal centerline and the centerlines of the first and last legs of the Zigzag Corridor, mark the four sides of the Zigzag Corridor that run parallel to the string line, according to the Test Site Layout (CAD).

5. LAY OUT PERPENDICULAR ZIGZAG SIDES
   
   Using the mark at the center of rotation, determine the location of the hurdle. Use the location of the hurdle to determine the remaining perpendicular boundaries of the Zigzag Corridor. Once all the boundaries of the Zigzag Corridor have been marked, string line out the Corridor, and place the poles along the Corridor as shown on the Test Site Layout (CAD). Also place the hurdle and hurdle poles in the correct position.

6. LOCATE ZIGZAG START & STOP CIRCLES
   
   Using the information on the CAD, mark the center points of Designated Areas 2 and 3.

7. LOCATE POLE CIRCLE
   
   Mark a line from the Farthest Corner (FC) point to the center of Designated Area 3. Using information on the Test Site Layout (CAD), determine the position of Designated Area 1 along the previously drawn line.

8. MARK DESIGNATED AREAS
   
   Mark each designated area with a circle spanning 4 ft. in outside diameter, with a minimum 2 in. wide inside line.

9. SET UP POLE CIRCLE
   
   Ensure there is an appropriate area to serve as the Designated Area for Test Weight and Pre-Task Familiarization Period, as illustrated on the Test Site Layout (CAD).

10. MARK DENOTATION LINE
    
    Mark the denotation line according to the Test Site Layout (CAD).

11. POSITION TRUCK
    
    With the assistance of a spotter, drive truck into place over the longitudinal centerline. Use plumb bobs to precisely position the truck.
Crane Selection and Setup

**ARTICULATING BOOM CRANES**

**CRANE SELECTION**
Articulating boom cranes used for testing must meet the following criteria:

- **For ABC #1 CAD**—Crane must have a boom radius of 22–30 ft. and no auxiliary stabilizers; recommended minimum test area: 40 ft. × 50 ft.

- **For ABC #2 CAD**—Crane must have a boom radius of 30 ft. or more with an auxiliary stabilizer span of up to 14 ft.; if so equipped, auxiliary stabilizers must be extended; recommended minimum test area: 45 ft. × 55 ft.

- **For ABC #3 CAD**—Crane must have a boom radius of 34 ft. or more and be equipped with an auxiliary stabilizer span of 14–22 ft.; auxiliary stabilizers must be extended; recommended minimum test area: 55 ft. × 55 ft.

**COMPLIANCE**
All cranes used on CCO Practical Examinations must be in compliance with federal and state OSHA requirements and the current ASME B30.22 Standard.

**STABILIZERS**
All stabilizers must be fully extended and set. This includes all main and auxiliary stabilizers if so equipped.

**BLOCKING**
Matting or cribbing installed if necessary to provide a sound foundation for the crane. A spirit level (minimum length 1 ft.) must be available for the candidates to verify the crane level condition prior to beginning their testing.

**CONTROLS**
Test crane may be operated from a manual station, top seat control station, or radio/remote control. All controls must be in working condition. For remote controls, ensure batteries are fully charged and enough extra batteries are available to complete all scheduled tests.

**MANUAL EXTENSIONS**
No manual extensions may be used during the exam.

**TEST WEIGHT RIGGING**
The Test Weight rigging used to connect the Test Weight to the crane must meet the following criteria:

- Total rigging length 2–4 ft. (3 ft. recommended); total rigging length is measured from load-bearing point to load-bearing point
- Three sling legs
- Recommend use of bridle

- Recommend sling angles of 60 degrees (minimum 30 degrees required)
- Can be easily attached and detached from the crane
- Meets current applicable industry standards

**TEST WEIGHT**
The gross load (which includes the weight of the Test Weight and any rigging and ancillary equipment in place on the crane) must not exceed 75 percent of the rated capacity at the farthest radius indicated on the Test Site Layout (CAD).

These weights must be verified by a weight ticket, crane’s load indicating device (LMI, RCI, RCL), or other type of certification documenting the actual load weight. This document must be available to the Examiner.

The Test Weight must:

- Weigh between 400 and 1,000 lbs
- Be cylindrical in shape, with the same diameter from top to bottom
- Have a continuously smooth surface from top to bottom
- Have a diameter of 3 ft.
- Have a height between 2 ft. and 5 ft.
- Have a chain extending from bottom center of the Test Weight; the chain must be a 3 ft. length of 3/8- or 5/16-inch chain, painted orange or red
- Have three points of attachment on the top of the Test Weight with picking ears mounted inside the Test Weight, or if mounted on the outside of the Test Weight the bottom of ears are at least 3 ft. 6 in. above the bottom of the weight

**TEST WEIGHT CONSTRUCTION**
So long as the requirements for Test Weight design are adhered to, Test Site Coordinators are free to select the most convenient materials and methods available to them.

Pipe has a major advantage over other materials in that it has a smooth surface and is perfectly cylindrical, two of the main requirements for NCCCO Test Weights.
TYPICAL TEST WEIGHT CONSTRUCTION

If the weight of the Test Weight is expected to change from time to time to accommodate different types and sizes of cranes, consider selecting steel pipe and filling it with loose material (e.g., steel slugs) that can be varied according to specific test requirements. The following diagram and chart are provided for Test Sites selecting this option.

**PIPE DIAGRAM**

The *Pipe Weight Thickness Chart* provides weights for given steel pipe wall thicknesses and outside diameters.

**PIPE WEIGHT THICKNESS CHART (WEIGHT FOR 1 LINEAR FOOT OF PIPE)**

<table>
<thead>
<tr>
<th>OUTSIDE DIAMETER</th>
<th>1/4”</th>
<th>3/8”</th>
<th>1/2”</th>
<th>3/4”</th>
</tr>
</thead>
<tbody>
<tr>
<td>2”</td>
<td>63 lbs</td>
<td>95 lbs</td>
<td>126 lbs</td>
<td>186 lbs</td>
</tr>
<tr>
<td>2½”</td>
<td>80 lbs</td>
<td>119 lbs</td>
<td>158 lbs</td>
<td>235 lbs</td>
</tr>
<tr>
<td>3”</td>
<td>96 lbs</td>
<td>143 lbs</td>
<td>190 lbs</td>
<td>283 lbs</td>
</tr>
<tr>
<td>3½”</td>
<td>112 lbs</td>
<td>167 lbs</td>
<td>222 lbs</td>
<td>331 lbs</td>
</tr>
<tr>
<td>4”</td>
<td>128 lbs</td>
<td>191 lbs</td>
<td>254 lbs</td>
<td>379 lbs</td>
</tr>
</tbody>
</table>

For pipe lengths longer than 1 ft., multiply the weight given in the table times the pipe length in feet.

*Example:* Pipe weight for a 4 ft. diameter x ¾ in. wall thickness pipe x 4½ ft. high = 379 lbs. x 4½ ft. = 1,706 lbs.

All load-supporting components must be assembled in accordance with proper rigging practice and working load limits for hardware utilized.

Any specially fabricated structural components that are part of the load-supporting system must be designed and fabricated in accordance with the requirements of current applicable industry standards.

**RECOMMENDED TEST WEIGHT DESIGN**

NCCCO has some recommendations for construction of Test Weights suitable for use in CCO articulating crane Practical Exams. The Test Weight should have three attachment points, and the rigging should measure 2–4 ft. from load-bearing point to load-bearing point. The weight of the Test Weight should be adjustable, so additional weight can be added, as necessary. The chain should attach from the top and run through a tube to come out through the bottom. Finally, there should be four 3 in. tall rubber feet on the bottom of the Test Weight.

**RECOMMENDED TEST WEIGHT CONSTRUCTION**
YOU WILL NEED THE FOLLOWING FOR EACH CRANE TO BE TESTED ON:

- A Test Weight 400–1000 lb. including rigging—verified by a weight ticket, crane's load indicating device (LMI, RCI, RCL), or other type of certification documenting the actual load weight available to the Examiner—cylindrical in shape, 3 ft. in diameter, and 2 ft.–5 ft. in height

- Length of 3/8- or 5/16-inch chain, painted orange or red, measuring 3 ft. long from the bottom center of the Test Weight

- Test Weight rigging has three sling legs (use of bridle recommended), 2–4 ft. in length (3 ft. recommended); recommend 60 degree sling angles (minimum 30 degrees required)

- Picking ears are mounted inside the Test Weight, or if mounted on the outside of the Test Weight the bottom of ears are at least 3 ft. 6” above the bottom of the weight

- PVC pipe, white, 1½ in. (SHD 40), sufficient to make 40 three-foot-long poles [34 poles needed for ABC #1 course]

- PVC pipe, white, 1 in. diameter, sufficient to make a 6 ft. ± 1 in. long hurdle

- ¾-inch, CDX-grade (or better) plywood or high density polyethylene (HDPE)*, sufficient to create 40 pole bases, each 1½ in. (± ½ in.) × 12 in. × 12 in.

- 40 tennis balls [34 Balls needed for ABC #1 course]

- Minimum 6 ft. long horizontal obstruction pole made of 1 in. PVC

- 40 ft. of nylon string, to attach tennis balls to poles (optional) [34 ft. needed for ABC #1 course]

- 80 1¼-inch, zinc-plated (galvanized) screws or equivalent to secure nylon string to tennis balls and poles (optional) [68 screws needed for ABC #1 course]

- 300 ft. string line, brightly colored (for Zigzag Corridor and Test Site Layout use) NOTE: chalk line may NOT be used

- Spirit level to verify levelness (minimum 1 ft. length)

- Paint (orange or red) for painting the tops of the poles and chain NOTE: red electrical tape may be used for the poles

- Rubber mats or paint to mark the circular Designated Areas

- 2 in. wide (minimum) clearly visible, durable tape or other material to mark the rectangular Designated Areas and denotation lines

- Handheld wind speed indicator (anemometer)

- One 50 ft. tape measure

- Stopwatches and clipboards for Examiner(s) and Proctor(s); multifunction devices such as cell phones and wristwatches are not acceptable

- Two-way communication devices for top seat operator station

- If using remote controls, sufficient batteries to conduct all Practical Exams

*EQUIPMENT SOURCES

NCCCO does not endorse or recommend specific vendors of any equipment, but the following sources may help you find required materials and equipment:

- HDPE bases: House of Plastics (part number HOP01-055), 2580 S. Orange Blossom Trail, Orlando, FL 32805, 407-843-3290, plastics@hopu.com
Site Report  
PRactical EXamINATION—ARTICULATING BOOM CRANES

NCCCO has established specific conditions and guidelines that each Practical Examination Test Site must adhere to. This Site Report is designed to ensure these conditions are met. The Examiner is required to perform a site inspection prior to the start of the first examination and complete the Site Report form. The Examiner must arrive at the Test Site in sufficient time to verify, by measuring with a tape, the accuracy of the course layout with respect to the NCCCO Test Site Layout (CAD). The Examiner must also conduct a visual inspection of the crane for proper setup prior to testing any applicant. This Site Report must be presented on demand to any Practical Test Auditor.

If using more than one course at this test site, please fill out a Site Report for each course.

Please type or print neatly.

<table>
<thead>
<tr>
<th>TEST SITE</th>
<th>DATE</th>
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<table>
<thead>
<tr>
<th>NAME OF TEST SITE COORDINATOR</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>CAD LAYOUT USED:</th>
<th>(Please check only one)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ ABC #1</td>
<td>☐ ABC #2</td>
</tr>
</tbody>
</table>

Check the following items for compliance:

**PRE-TEST CANDIDATE BRIEFING AREA**

An indoor facility suitable for the Pre-Test Briefing of exam candidates, including:

- Sufficient tables and chairs to seat all candidates for the Pre-Test Briefing
- A DVD player and television or computer for candidates to watch the CCO Practical Exam presentation
- A location so that waiting candidates are unable to observe other candidates being tested

Candidate materials available:

- A written description of the examination (Candidate Handbook)
- A plan view of the Test Site Layout (CAD)
- Operator’s manual and load chart(s) for all cranes that will be used for testing

**TEST SITE SETUP**

- Entire course is level within five percent of true level
- Zigzag Corridor has no more than a 6 in. maximum change in elevation
- Test Site is free of debris, stored materials, surface irregularities, or hazards such as overhead power lines that could interfere with test maneuvers
- Zigzag Corridor set up on asphalt, concrete surface, or firm and compacted sand, dirt, or gravel with a sufficiently uniform surface to permit the poles to stand vertical and slide freely; grass surfaces are not acceptable
- No obstructions are within 5 ft. of the Test Site in any direction

*Using the Test Site Layout (CAD), verify the following measurements:*

- Distance from the center of rotation of the crane to the center of Designated Area 1 (± 1 in.)
- Distance from the center of rotation of the crane to the center of Designated Area 2 (± 1 in.)
- Distance from the center of rotation of the crane to the center of Designated Area 3 (± 1 in.)
- Distance from the longitudinal centerline to the near leg of the Zigzag Corridor (± 1 in.)
- Width of Zigzag Corridor is 5 ft. (± ½ in.)
- Length of all six sides of the Zigzag Corridor (± ½ in.)
- Distance between consecutive poles (2 ft. ± ½ in.)
- Clearly marked denotation line located correctly, as per Test Site Layout (CAD) (± ½ in.)
POLES
- 40 poles (33 for ABC #1 course), made of 1½ in., white PVC pipe (SHD 40), each 36 in. long
- Top 12 in. painted or taped orange or red
- Mounted to a platform made of two layers of ¾-inch, CDX-grade (or better) plywood or high density polyethylene (HDPE), cut into 12 in. squares
- Two poles notched for hurdle; notch not to exceed 1 in. wide and ½ in. deep
- 6 ft. long (± 1 in.) hurdle made of 1-inch PVC pipe (SHD 40)
- A taut, longitudinal string placed on the ground through the centerline of each pole base
- 40 tennis balls (33 for ABC #1 course)
- Spare poles, bases, and tennis balls available

DESIGNATED AREAS
- Designated Areas 1, 2, and 3 have outside diameter of 4 ft.
- Clearly visible perimeter line (2 in. minimum width), marked inside all Designated Areas.

TEST CRANES
- Crane has a current annual inspection with supporting documentation
- Crane is set up and leveled in the location specified, ready for operation with engine running, in accordance with the manufacturer’s recommendations
- All stabilizers fully extended and set
- A taut string placed on the ground through the longitudinal centerline of the crane
- Clearly marked center of rotation

TEST WEIGHT
- Gross weight 400-1,000 lb., verified by a weight ticket, crane’s load indicating device (LMI, RCI, RCL), or other type of certification documenting the actual load weight available to the Examiner
- Cylindrical in shape
- The outside diameter of the Test Weight is 3 ft.
- Between 2 ft. and 5 ft. in height
- Picking ears are mounted inside the Test Weight, or if mounted on the outside of the Test Weight the bottom of ears are at least 3 ft. 6” above the bottom of the weight
- Method of attachment: Test Weight rigging has three sling legs, 2–4 ft. in length (load-bearing point to load-bearing point), and is attached to the top inside of the Test Weight, recommend 60 degree sling angles (minimum 30 degrees required)
- A length of 3/8- or 5/8-inch chain extends from the bottom center of the Test Weight
  Note: To measure the chain length, attach the Test Weight to the crane hook. Raise the Test Weight until the chain barely touches the ground and measure from the lowest edge of the Test Weight to the ground. This length must be 36 in.
- Chain is painted orange or red

MANUAL EXTENSIONS
- No manual extensions may be used during the exam

BLOCKING
- Blocking or cribbing, as necessary, to provide a sound foundation for the crane
SITE REPORT (CONT’D)
PRAC TICAL EXAMINATION—ARTICULATING BOOM CRANES

Test Site #: ______________

REMOTE CONTROL
 If using remote control, sufficient batteries to conduct all Practical Exams

TEST WEIGHT RIGGING
 All load-supporting components must be assembled in accordance with proper rigging practice and working load limits for the hardware utilized. Any specially fabricated structural components that are part of the load supporting system must be designed and fabricated in accordance with the requirements of the current applicable industry standards.

TEST COURSE SETUP
 The Practical Examiner whose signature appears at the end of this Site Report attests that he/she has set up the course. (Check only if the Practical Examiner has set up the test course.)
 The Examiner must have the following items for conducting the Practical Exam:
   Two stopwatches (not multifunction devices such as cell phones/wristwatches)
   Clipboard
   Anemometer (wind meter)
   Pen or pencil
   Spirit level (1 ft. minimum)
   Measuring tape (50 ft. minimum)

 Test Site Layout (CAD)
 Proctor
 Verbatim instructions
 Notification of test email (new test sites if applicable)
 Personal protective equipment
 Two-way communication devices (for top seat operator’s station)

Deviations from the above-noted requirements are not allowed without written consent from the NCCCO Western Regional Office.

PRACTICAL EXAMINER ATTESTATION (EXAMINER SIGNATURE REQUIRED)
I attest that this is a true and accurate report of the above named Test Site.

SIGNATURE OF EXAMINER

DATE

PRINTED NAME OF EXAMINER

EXAMINER ACCREDITATION NUMBER

This Site Report is to be completed by the Examiner prior to each testing session and sent with Candidate Score Sheets to:

International Assessment Institute
Attention: NCCCO Testing
1960 Bayshore Blvd.
Dunedin, Florida 34698

Phone: 727-449-8525
Fax: 727-461-2746
Email: info@iaiexam.com
NCCCO has established specific safety conditions and guidelines that each practical exam must follow. This Crane Report is a verification tool used to ensure that all testing parameters are within strict, safe working conditions. Before testing is conducted, the crane being used for testing must have its own unique report filled out. This report should be completed in ink, signed by the Examiner, and sent with the site report to: International Assessment Institute, 1960 Bayshore Blvd., Dunedin, FL 34698.

REMINDER: Each crane used must have a separate report filled out.

<table>
<thead>
<tr>
<th>Test Site Number</th>
<th>Date</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Name of Test Site Coordinator</th>
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<table>
<thead>
<tr>
<th>Name of Practical Examiner</th>
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<table>
<thead>
<tr>
<th>Crane Owner/Company Name</th>
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</thead>
<tbody>
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</table>

<table>
<thead>
<tr>
<th>Crane Owner/Company Point of Contact</th>
<th>Phone Number</th>
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<thead>
<tr>
<th>Make &amp; Model of Crane</th>
<th>Serial Number</th>
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<tbody>
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</table>

<table>
<thead>
<tr>
<th>Max. Rated Capacity (lb.)</th>
<th>Max. Boom Radius (ft.)</th>
<th>Is Crane Equipped With Auxiliary Stabilizers?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
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<table>
<thead>
<tr>
<th>Main Stabilizer Spread (ft.)</th>
<th>Auxiliary Stabilizer Spread (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
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<table>
<thead>
<tr>
<th>ABC #1: Boom Radius 22–30 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>If using ABC #1, provide next load chart rating beyond 22 ft.:</td>
</tr>
<tr>
<td>Boom Radius (ft.)</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ABC #2: Boom Radius 30 ft. or greater; Auxiliary Stabilizer span less than 14 ft. (if equipped)</th>
</tr>
</thead>
<tbody>
<tr>
<td>If using ABC #2, provide next load chart rating beyond 30 ft.:</td>
</tr>
<tr>
<td>Boom Radius (ft.)</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ABC #3: Boom Radius 34 ft. or greater; Auxiliary Stabilizer span 14–22 ft. (must be equipped)</th>
</tr>
</thead>
<tbody>
<tr>
<td>If using ABC #3, provide next load chart rating beyond 34 ft.:</td>
</tr>
<tr>
<td>Boom Radius (ft.)</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

NOTE: Gross Load (Test Weight + Rigging) used must be less than Maximum Allowable Load Weight calculated above.

<table>
<thead>
<tr>
<th>Gross Load Used in Testing</th>
<th>LB.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I attest that this is a true and accurate report of the crane and test weight being used for testing.

<table>
<thead>
<tr>
<th>Examiner Signature</th>
<th>Printed Name of Examiner</th>
<th>Examiner’s Accreditation #</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Articulating Crane Operator
TEST SITE COORDINATOR—ARTICULATING BOOM LOADERS

- Photographs
- Sample Test Site Layout (CAD)
- Test Site Layout Instructions
- Crane Selection and Setup
- Ready Reference Checklist
- Site Report
- Crane Report
Photographs

ARTICULATING BOOM LOADERS

Corral poles

Hurdle

Corral
PHOTOGRAPHS (CONT’D)
ARTICULATING BOOM LOADERS

ABL Test Weight

Examiners measuring length of Zigzag Corridor
ARTICULATING BOOM LOADERS

This is a typical sample of an ABL Crane Practical Test Layout. It is not to be used in an actual test situation.

DA-1

DA-2

DA-3

BLIND PICK OPERATOR AREA

CENTER OF ROTATION

LONGITUDINAL CENTER LINE (LCL)

ARTICULATING BOOM LOADER LAYOUT (ABL)

Boom Radius ≥ 40ft

SAMPLE ARTICULATING CRANE ABL
Test Site Layout Instructions

ARTICULATING BOOM LOADERS

Using the CAD drawing and other information provided by NCCCO, it is the Test Site Coordinator’s responsibility to lay out the test site. It is extremely important that all test equipment (corridor poles, Test Weight and Designated Areas, etc.) be placed exactly as indicated on the CAD drawings. Failure to do so could result in the test administration being declared invalid and the need to start over.

Before the Practical Examiner can begin testing, he/she will verify the site is laid out correctly using the Site Report for the appropriate crane type. Different versions of the Site Report form can be found in the appropriate sections of this handbook. Test Site Coordinators are strongly encouraged to use this form to verify that they have followed the site layout directions correctly.

There are various ways to begin the process of laying out the Test Site, but we recommend the following procedure:

1. **CHECK FOR OBSTRUCTIONS**
   - Ensure there are no obstructions (on the ground or overhead) that could interfere with the safe operation of the crane during the test. No obstructions may be within 5 ft. of a practical test course in any direction.

2. **PLAN TEST SITE & MARK CENTER OF ROTATION**
   - Survey the test area and ensure there is sufficient level space for the truck, stabilizer span, and full course. Identify the ideal location of the center of rotation of the crane. Clearly mark this point on the ground, and begin building the course.

3. **LOCATE CENTERLINES**
   - Run a string line down the desired location for the longitudinal centerline of the truck’s center of rotation. From this line, measure out two parallel lines: the center of the first and last legs of the Zigzag Corridor. Along the original string line, indicate the actual center of rotation for the truck.

4. **LAY OUT PARALLEL ZIGZAG SIDES**
   - Using the string-lined longitudinal center line, and the center lines of the first and last legs of the Zigzag Corridor, mark the four sides of the Zigzag Corridor that according to the Test Site Layout (CAD) run parallel to the string line.

5. **LAY OUT PERPENDICULAR ZIGZAG SIDES**
   - Using the mark at the center of rotation, determine the location of the hurdle. Use the location of the hurdle to determine the remaining perpendicular boundaries of the Zigzag Corridor. Once all the boundaries of the Zigzag have been marked, string line out the Corridor, and place the poles along the Corridor as shown on the Test Site Layout (CAD). Also place the hurdle and hurdle poles in the correct position.

6. **LOCATE ZIGZAG START & STOP CIRCLES**
   - Using the information on the CAD, mark the center points of Designated Areas 3 and 4. Mark both of these Designated areas with a circle spanning four foot outside diameter, with a two inch wide inside line.

7. **LOCATE AND MARK RECTANGULAR DESIGNATED AREA**
   - Using the string-lined longitudinal center line, mark the outer two sides of Designated Area 2 that run parallel to the string line. Use the center of rotation to also mark the outer two sides of Designated Area 2 that run perpendicular to the string line. String line out the two parallel lines as shown on the CAD.

8. **MARK SIDES OF DESIGNATED AREA**
   - Mark the A and B sides of Designated Area 2, as shown on the CAD, measured to the outer edges. Also place the poles around Designated Area 2 as indicated.

9. **MARK BLIND PICK OPERATOR LINE**
   - Clearly mark area as per CAD.

10. **LOCATE AND MARK TRUCK BED DESIGNATED AREA**
    - Use the CAD to determine the placement of Designated Area 1, and clearly mark its boundary (measured to the outer edges).

11. **POSITION TRUCK**
    - With the assistance of a spotter, drive truck into place over the longitudinal centerline. Use a plumb bob to precisely position the truck.
CRANE SELECTION
Articulating boom loaders used for testing must have a boom radius of 40 ft. or more. The recommended minimum test area is 70 ft. × 60 ft.

COMPLIANCE
All cranes used on CCO Practical Examinations must be in compliance with federal and state OSHA requirements and the current ASME B30.22 Standard.

TEST WEIGHT
The gross load (which includes the weight of the Test Weight, fork assembly, and rotator) must not exceed 75 percent of the rated capacity at the farthest radius indicated on the Test Site Layout (CAD).

These weights must be verified by a weight ticket, crane’s load indicating device (LMI, RCI, RCL), or other type of certification documenting the actual load weight. This document must be available to the Examiner.

As illustrated in the ABL Test Weight Specifications diagram below, the Test Weight must:
- Weigh between 800 and 1,200 lbs.
- Be 4 ft. × 8 ft. × 17 in. (± 1 in.)
- Have two 4 in. × 4 in. dunnage attached, 12 in. from outside edge of the Test Weight to outside edge of each dunnage

TEST WEIGHT CONSTRUCTION
So long as the requirements for Test Weight design are adhered to, Test Site Coordinators are free to select the most convenient materials and methods available to them.

ARTICULATING BOOM LOADER (ABL) TEST WEIGHT SPECIFICATIONS:
- 800–1,200 lbs.
- 4 ft. × 8 ft. × 17 in. (± 1 in.)
- Two 4 in. × 4 in. dunnage, placed 12 in. from either end
FORK AND ROTATOR

The fork assembly and rotator must be in compliance with the current ASME B30.20 standard, *Below the Hook Lifting Devices*.

Fork tines must be adjusted and set with a spread between 36 in. and 62 in. from outside edge to outside edge.

Attached to the bottom of the fork assembly must be a 2 ft. length of 3/8- or 5/16-inch chain, painted orange or red.

STABILIZERS

All stabilizers must be fully extended and set. This includes all main and auxiliary stabilizers if so equipped.

BLOCKING

Matting or cribbing installed if necessary to provide a sound foundation for the crane. A spirit level (minimum length 1 ft.) must be available for the candidates to verify the crane level condition prior to beginning their testing.

CONTROLS

Test crane may be operated from a manual station, top seat control station, or radio/remote control. All controls must be in working condition.

For remote controls, ensure batteries are fully charged and enough extra batteries are available to complete all scheduled tests.
YOU WILL NEED THE FOLLOWING FOR EACH CRANE TO BE TESTED ON:

- A Test Weight 800–1,200 lbs., 4 ft. × 8 ft. × 17 in., with 4 in. × 4 in. dunnage attached to the bottom 12 in. from outside edge of Test Weight to outside edge of dunnage
- Length of 3/8- or 5/16-inch chain, painted orange or red, measuring 2 ft. long from the bottom of the fork assembly
- PVC pipe, white, 1½ in. (SHD 40), sufficient to make 40 three-foot-long poles
- ¾-inch, CDX-grade (or better) plywood or high density polyethylene (HDPE)*, sufficient to create 44 pole bases, 1½ in. (± ½ in.) × 12 in. × 12 in.
- 44 tennis balls
- 7 ft. (± 1 in.) long horizontal obstruction pole made of 1 in. PVC pipe
- 44 ft. of nylon string to attach tennis balls to poles (optional)
- 88 1¼-inch zinc-plated (galvanized) screws, or equivalent, to secure nylon string to tennis balls and poles (optional)
- 300 ft. string line, brightly colored (for Zigzag Corridor and Test Site Layout use) NOTE: chalk line may NOT be used
- Spirit level to verify levelness (minimum 1 ft. long)
- Paint (orange or red) for painting the tops of the poles and chain NOTE: red electrical tape may be used for the poles
- Rubber mats or paint to mark the circular Designated Areas
- 2 in. wide (minimum) clearly visible, durable tape or other material to mark the rectangular Designated Areas and denotation lines
- Handheld wind speed indicator (anemometer)
- 50 ft. tape measure
- Stopwatches and clipboards for Examiner(s) and Proctor(s); multifunction devices such as cell phones and wristwatches are not acceptable
- Two-way communication devices for top seat operator station
- If using remote controls, sufficient batteries to conduct all Practical Exams

EQUIPMENT SOURCES

NCCCO does not endorse or recommend particular vendors of any equipment, but the following sources may help you find specific required materials and equipment:

- **HDPE bases**: House of Plastics (part number HOP01-055), 2580 S. Orange Blossom Trail, Orlando, FL 32805, 407-843-3290, plastics@hopu.com
NCCCO has established specific conditions and guidelines that each Practical Examination Test Site must adhere to. This Site Report is designed to ensure these conditions are met. The Examiner is required to perform a site inspection prior to the start of the first examination and complete the Site Report form. The Examiner must arrive at the Test Site in sufficient time to verify, by measuring with a tape, the accuracy of the course layout with respect to the NCCCO Test Site Layout (CAD). The Examiner must also conduct a visual inspection of the crane for proper setup prior to testing any applicant. This Site Report must be presented on demand to any Practical Test Auditor.

*If using more than one course at this test site, please fill out a Site Report for each course.*

**Please type or print neatly.**

<table>
<thead>
<tr>
<th>TEST SITE</th>
<th>DATE</th>
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</table>

<table>
<thead>
<tr>
<th>NAME OF TEST SITE COORDINATOR</th>
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</table>

| CAD LAYOUT USED: | ☑ ABL |

**Check the following items for compliance:**

**PRE-TEST CANDIDATE BRIEFING AREA**

An indoor facility suitable for the Pre-Test Briefing of exam candidates, to include:

- Sufficient tables and chairs to seat candidates for the Pre-Test Briefing
- A DVD player and television or computer for candidates to watch the CCO Practical Exam presentation
- A location so that waiting candidates are unable to observe other candidates being tested

Candidate materials available:

- A written description of the examination (Candidate Handbook)
- A plan view of the Test Site Layout (CAD)
- Operator’s manuals and load charts for all cranes to be used in testing

**TEST SITE SETUP**

- Entire course is level within five percent of true level
- Zigzag Corridor has no more than 6 in. maximum change in elevation
- Site is free of debris, stored materials, surface irregularities, or hazards such as overhead power lines that could interfere with test maneuvers
- Zigzag Corridor set up on asphalt, concrete surface, or firm and compacted sand, dirt, or gravel with a sufficiently uniform surface to permit the poles to stand vertical and slide freely; grass surfaces are not acceptable
- No obstructions are within 5 ft. of the Test Site in any direction

**Using the Test Site Plan, verify the following measurements:**

- Distance from the center of rotation of the crane to the center of Designated Area 1 (± 1 in.)
- Distance from the center of rotation of the crane to the center of Designated Area 2 (± 1 in.)
- Distance from the center of rotation of the crane to the center of Designated Area 3 (± 1 in.)
- Distance from the center of rotation of the crane to the center of Designated Area 4 (± 1 in.)
- Distance from the longitudinal centerline of the crane to the near leg of the Zigzag Corridor (± 1 in.)
- Width of Zigzag Corridor is 6 ft. (± ½ in.)
- Length of all six sides of the Zigzag Corridor (± ½ in.)
- Distance between consecutive poles (2 ft. ± ½ in.)
- Clearly marked denotation line located correctly, as per Test Site Layout (CAD) (± ½ in.)
POLES
- 44 poles, made of 1½-inch, white PVC pipe (SHD 40), each 36 in. long.
- Top 12 in. painted or taped orange or red
- Mounted to a platform made of two layers of ¾-inch, CDX-grade (or better) plywood or high density Polyethylene (HDPE), cut in 12 in. squares
- Two poles notched for hurdle; notch not to exceed 1 in. wide and ½ in. deep
- 7 ft. long (± 1 in.) hurdle made of 1-inch PVC pipe (SHD 40)
- A taut string placed on the ground through the centerline of each pole base, per CAD
- 44 tennis balls
- Spare poles, bases, and tennis balls available

DESIGNATED AREAS
- Clearly visible 2 in. minimum wide perimeter line, marked inside all Designated Areas
- Designated Areas 1 and 2: 6 ft. x 10 ft. rectangles, measured to outer edges
- A taut string placed on the ground on both sides of Designated Area 2, per CAD
- Designated Areas 3 and 4: circles with an outside diameter of 4 ft.
- Clearly visible line marked for Blind Pick Area

TEST CRANE
- Crane has a current annual inspection with supporting documentation
- Crane is set up and leveled in the location specified, ready for operation with engine running, in accordance with the manufacturer’s recommendations
- A taut string placed on the ground through the longitudinal centerline of the crane’s center of rotation
- Clearly marked center of rotation
- Wheel chocks placed properly

TEST WEIGHT
- Gross weight: 800–1,200 lbs., 4 ft. x 8 ft. x 17 in., with two 4 in. x 4 in. properly secured dunnage attached 12 in. from outside edge of Test Weight to outside edge of dunnage
- A length of 3/8- or 5/16-inch chain attached from center of fork assembly
  - Note: To measure the chain length, close the fork and attach the chain to the center of the fork assembly. Raise the Test Weight until the chain barely touches the ground, and then measure from the lowest point of the fork assembly to the ground. This length must be 24 inches.
- Chain is painted orange or red

BLOCKING
- Blocking or cribbing, as necessary, to provide a sound foundation for the crane

FORK ASSEMBLY, INCLUDING ROTATOR
- Meets the requirements of current ASME B30.20 standards
- Fork tines span set between 36 in. and 62 in.

REMOTE CONTROL
- If using remote control, sufficient batteries to conduct all practical exams
SITE REPORT (CONT’D)
PRACTICAL EXAMINATION—ARTICULATED BOOM LOADERS

Test Site #: ______________

PAGE 3 of 3

TEST COURSE SETUP

☒ The Practical Examiner who signature appears at the end of this Test Site Report attests that he/she has set up the course. (Check only if the Practical Examiner has set up the test course.)

☒ The Examiner must have the following items for conducting the Practical Exam:

☒ Two stopwatches (not multifunction devices such as cell phones/wristwatches)
☒ Test Site Layout (CAD)
☒ Clipboard
☒ Proctor
☒ Anemometer (wind meter)
☒ Verbatim instructions
☒ Pen or pencil
☒ Notification of test email (if applicable, new test sites only)
☒ Spirit level (1 ft. minimum)
☒ Personal protective equipment
☒ Measuring tape (50 ft. minimum)
☒ Two-way communication devices (for top seat operator’s station)

Deviations from the above-noted requirements are not allowed without written consent from the NCCCO Western Regional Office.

PRACTICAL EXAMINER ATTESTATION (EXAMINER SIGNATURE REQUIRED)

I attest that this is a true and accurate report of the above named Test Site.

SIGNATURE OF EXAMINER

DATE

PRINTED NAME OF EXAMINER

EXAMINER ACCREDITATION NUMBER

This Site Report is to be completed by the Examiner prior to each testing session and sent with Candidate Score Sheets to:

International Assessment Institute
Attention: NCCCO Testing
1960 Bayshore Blvd.
Dunedin, Florida 34698

Phone: 727-449-8525
Fax: 727-461-2746
Email: info@iaiexam.com
NCCCO has established specific safety conditions and guidelines that each practical exam must follow. This Crane Report is a verification tool used to ensure that all testing parameters are within strict, safe working conditions. Before testing is conducted, the crane being used for testing must have its own unique report filled out. This report should be completed in ink, signed by the Examiner, and sent with the site report to: International Assessment Institute, 1960 Bayshore Blvd., Dunedin, FL 34698.

**REMINDER:** Each crane used must have a separate report filled out.

<table>
<thead>
<tr>
<th>TEST SITE NUMBER</th>
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<thead>
<tr>
<th>NAME OF TEST SITE COORDINATOR</th>
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<table>
<thead>
<tr>
<th>NAME OF PRACTICAL EXAMINER</th>
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<table>
<thead>
<tr>
<th>CRANE OWNER/COMPANY NAME</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CRANE OWNER/COMPANY POINT OF CONTACT</th>
<th>PHONE NUMBER</th>
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<table>
<thead>
<tr>
<th>MAKE &amp; MODEL OF CRANE</th>
<th>SERIAL NUMBER</th>
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</table>

<table>
<thead>
<tr>
<th>MAX. RATED CAPACITY (LB.)</th>
<th>MAX. BOOM RADIUS (FT.)</th>
<th>IS CRANE EQUIPPED WITH AUXILIARY STABILIZERS?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>[ ] YES [ ] NO</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAIN STABILIZER SPREAD (FT.)</th>
<th>AUXILIARY STABILIZER SPREAD (FT.)</th>
</tr>
</thead>
</table>

### TEST SITE LAYOUT USED:
- **ABL** (Boom Radius 40 ft. or greater)

### Provide next load chart rating beyond 40 ft.:

\[
\text{MAXIMUM ALLOWABLE LOAD WEIGHT} = \text{BOOM RADIUS (ft.)} \times \text{CAPACITY (lbs.)} \times .75
\]

<table>
<thead>
<tr>
<th>TEST WEIGHT BEING USED (lbs.)</th>
<th>WEIGHT OF FORK (lbs.)</th>
<th>WEIGHT OF ROTATOR (lbs.)</th>
<th>GROSS LOAD</th>
</tr>
</thead>
</table>

\[
\text{GROSS LOAD} = \text{TEST WEIGHT BEING USED} + \text{WEIGHT OF FORK} + 100
\]

**NOTE:** Gross Load used must be less than Maximum Allowable Load Weight calculated above.

---

**I attest that this is a true and accurate report of the crane and test weight being used for testing.**

EXAMINER SIGNATURE

PRINTED NAME OF EXAMINER

EXAMINER’S ACCREDITATION #

DATE
Summary of Changes
TEST SITE COORDINATOR HANDBOOK—ARTICULATING CRANES

Following approval by the appropriate NCCCO committees, Commissioners, and/or Board of Directors, the following substantive (non-editorial) changes have been made to the Articulating Crane Test Site Coordinator Handbook (major programmatic changes covered in Test Site Coordinator Bulletins are in bold):

Changes made 03/15:

<table>
<thead>
<tr>
<th>Page(s)</th>
<th>Section</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Secure Test Sites</td>
<td>• New section added providing directions for submitting new Security Requirements Report</td>
</tr>
<tr>
<td>7</td>
<td>Test Site Setup—Hurdle</td>
<td>• The PVC pipe for the hurdles must be 1 in. diameter, with a length of 6 ft. ± 1 in. for Articulating Boom Cranes and a length of 7 ft. ± 1 in. for Articulating Boom Loaders.</td>
</tr>
</tbody>
</table>
| 11      | Test Site Application | • Responsibility for test site now signed for by Company Representative instead of Test Site Coordinator  
         |                     | • Checkbox added to indicate if a secure site with restricted access |
| 15      | Candidate Application | • Additional sentence appended to attestation statements to be signed by candidates |
| 21      | Security Requirements Report | • New form added to be completed when test site has restricted access |
| 35–37, 51–53 | Site Reports (Articulating Boom Cranes; Articulating Boom Loaders) | • Added tolerances to Test Site Setup measurements (to match existing Mobile tolerances)  
         |                     | • Specified new lengths for hurdles (with tolerances)  
         |                     | • Removed space for noting deviations from Site Report requirements; replaced with statement: “Deviations from the above-noted requirements are not allowed without written consent from the NCCCO Western Regional Office.” |
| 39, 55  | Crane Reports | • Added new field for “Maximum Rated Capacity” |

Changes made 04/14:

<table>
<thead>
<tr>
<th>Page(s)</th>
<th>Section</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>New Test Sites</td>
<td>• Once a site has provided test notification to NCCCO, that will be considered intent to test on that day and the site may be audited even if no testing occurs.</td>
</tr>
<tr>
<td>1</td>
<td>Test Site Coordinator</td>
<td>• Removed requirement for Test Site Coordinators to confirm receipt of Information Bulletins</td>
</tr>
<tr>
<td>29</td>
<td>Test Weight Rigging</td>
<td>• Added detailed specifications for Test Weight rigging</td>
</tr>
</tbody>
</table>
| 29      | Test Weight Construction | • Allow picking ears to be welded to outside of Test Weight as long as bottom of ears are more than 3 ft. 6 in. from bottom of Test Weight  
         |                     | • Removed requirement that chains attach to bottom of Test Weight |
| 30      | Recommended Test Weight Design | • Recommend that Test Weight chain(s) attach from the top and run through tube(s) to come out through the bottom (to eliminate need to reach underneath to attach/detach chains)  
         |                     | • Updated diagram of Recommended Test Weight Construction |
| 31      | Ready Reference Checklist | • Added detailed specifications for “Method of attachment” for Test Weight  
         |                     | • Added specifications for picking ears |
| 34      | Site Report—ABC | • Added detailed specifications for picking ears and Test Weight Rigging  
         |                     | • Removed requirement for chain to attach to bottom of Test Weight |

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IMPORTANT CONTACT INFORMATION

NATIONAL COMMISSION FOR THE CERTIFICATION OF CRANE OPERATORS
2750 Prosperity Avenue, Suite 505
Fairfax, VA 22031-4312
Phone: 703-560-2391
Fax: 703-560-2392
Email: info@nccco.org

INTERNATIONAL ASSESSMENT INSTITUTE
Attention: NCCCO Testing
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Fax: 727-461-2746