CCO Certification

CANDIDATE HANDBOOK

- **Crane Inspector**

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Program Description

Welcome to the CCO Crane Inspector certification program. This nationally recognized certification program is the culmination of hard work by experts from the various industries and groups that inspect articulating, mobile, overhead and tower cranes.

The CCO Crane Inspector Exam Management Committee oversees the content of the certification exams. It is comprised of experts from all aspects of the crane industry, who collectively represent many thousands of hours of crane-related experience. These volunteers freely give their time and expertise to improve the safety of all those working in and around load-handling equipment.

WHO IS A CRANE INSPECTOR?

Within the confines of the responsibilities outlined in ASME B30 and in accordance with OSHA 1926 Subpart CC, a crane inspector is responsible for ensuring the safe operation and compliance of cranes and lifting equipment. The crane inspector performs specific tasks to complete required inspections and testing of various types of load handling equipment.

These tasks require the crane inspector to be competent in:

- Identifying, inspecting, and assessing relevant equipment for defects, deficiencies, or non-compliance safety issues.
- Documenting, reviewing, and communicating inspection results/records.
- Applying load ratings and performing load/proof testing.
- Identifying proper equipment configuration.
- Communicating site and personnel requirements for inspection.

Due to differences in equipment types, specialty certifications exist for Articulating, Mobile, Overhead, and Tower Crane Inspectors. The certified crane inspector is knowledgeable about standards and regulations associated with their specialty area(s) of inspection.

To earn certification, the candidate must pass the nationally standardized examinations built to job task analyses that define the required knowledge, skills, and abilities for Articulating, Mobile, Overhead, and/or Tower Crane Inspectors.

In addition, the candidate must submit an experience form showing a minimum of 2,000 hours within a five-year period related to maintaining, inspecting, servicing, repairing, or modifying cranes.

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Certification Policies

ELIGIBILITY

To be eligible for certification, candidates must:

- Be at least 18 years of age
- Comply with CCO's Substance Abuse Policy
- Comply with CCO's Code of Ethics
- Pass applicable written examination(s)
- Meet experience requirements

EXAMINATION FEES

For all exams and related fees, visit:

- www.nccco.org/fees

CCO CERTIFICATION TIME FRAMES

For the CCO Crane Inspector certification, candidates must pass the Core Written Examination and the Specialty Written Examination(s) to be certified for 5 years. Candidates have 12 months after they pass their first exam to pass the corresponding exam (s). For example, a candidate passing the Crane Inspector Core Exam in December 2024, the candidate has until the end of December 2025 to pass the appropriate Specialty Crane Inspector Exam(s).

EXPERIENCE

All applicants for crane inspector certification shall have a minimum of 2,000 hours of documented work experience within a five-year period related to maintaining, inspecting, servicing, repairing, or modifying cranes.

EXPERIENCE FORM SUBMISSION

At least two weeks before submitting their exam candidate applications, all crane inspector candidates must demonstrate their qualifications by filling out a form detailing their pertinent experience, education, training, and references. This Experience Form must be completed and reviewed by CCO prior to submitting applications for testing.

CCO will process the candidates completed form within two weeks of submittal; after being reviewed, candidates are notified by email whether they are eligible to register for the written exams or if more information is required. A $50 Experience Form Processing Fee will be invoiced when the Experience Form is submitted. Forms are not processed until payment is received.

To avoid any delays, candidates are encouraged to be as detailed as possible when completing the experience form. Candidates must submit proof of experience (documentation, letters of recommendation, transcripts, résumé, etc.) along with their completed Experience Form submission.

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The following table details the exams necessary for each crane inspector certification:

IF YOU ARE SEEKING CERTIFICATION FOR:	TAKE CORRESPONSING CRANE INSPECTOR WRITTEN EXAMS:
Articulating Crane Inspector	• Crane Inspector Core • Articulating Crane Inspector Specialty
Mobile Crane Inspector	• Crane Inspector Core • Mobile Crane Inspector Specialty
Overhead Crane Inspector	• Overhead Crane Inspector Comprehensive
Tower Crane Inspector	• Crane Inspector Core • Tower Crane Inspector Specialty
Articulating and Mobile Crane Inspector	• Crane Inspector Core • Articulating Crane Inspector Specialty • Mobile Crane Inspector Specialty
Articulating and Overhead Crane Inspector	• Crane Inspector Core • Articulating Crane Inspector Specialty • Overhead Crane Inspector Comprehensive
Articulating and Tower Crane Inspector	• Crane Inspector Core • Articulating Crane Inspector Specialty • Tower Crane Inspector Specialty
Mobile and Overhead Crane Inspector	• Crane Inspector Core • Mobile Crane Inspector Specialty • Overhead Crane Inspector Comprehensive
Mobile and Tower Crane Inspector	• Crane Inspector Core • Mobile Crane Inspector Specialty • Tower Crane Inspector Specialty
Overhead and Tower Crane Inspector	• Crane Inspector Core • Overhead Crane Inspector Comprehensive • Tower Crane Inspector Specialty
Mobile, Tower, and Overhead Crane Inspector	• Crane Inspector Core • Mobile Crane Inspector Specialty • Overhead Crane Inspector Comprehensive • Tower Crane Inspector Specialty
Articulating, Mobile, Tower, and Overhead Crane Inspector	• Crane Inspector Core • Articulating Crane Inspector Specialty • Mobile Crane Inspector Specialty • Overhead Crane Inspector Comprehensive • Tower Crane Inspector Specialty

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RECERTIFICATION REQUIREMENTS

CCO Crane Inspector certification is valid for 5 years. Recertification candidates must complete all their recertification requirements during the 12 months before their certification's expiration date.

Regardless of the date of the exams within that one year, the new five-year certification period begins from the date of expiration of the candidate's initial certification.

Recertificants must:

- Pass the applicable written examination(s)
- Comply with CCO's Substance Abuse Policy
- Comply with CCO's Code of Ethics

Recertification candidates take written examinations that correspond to the exams they took to earn their initial Crane Inspector certification.

NOTE: Candidates who recertify more than 12 months prior to their expiration date will have their new certification period begin immediately, not from the end of their current certification period.

Written exams for recertification are available at any written test administration. Candidates wishing to recertify may take exams via Online Proctored Testing (OPT), Test Center Testing (TCT), Event Online Testing (EOT), or contact the Test Site Coordinator who set up their initial certification.

Candidates may add a new certification at the same time as they take their recertification examinations by taking the required examination(s) for the new certification.

CERTIFICATION CARDS

Certified operators receive a laminated photo ID card at no cost when they certify, add a designation, or recertify. Replacement cards may be obtained from CCO for $30 and ordered online.

Certification cards remain the property of CCO, are not transferable, and must be returned to CCO upon demand.

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Certification Overview

WRITTEN EXAMINATION

Crane Inspector Core

The Crane Inspector Core written exam consists of a single examination in crane inspection. This examination has 50 multiple-choice questions. Candidates are allowed 60 minutes to complete the exam. A calculator is permitted for this exam.

Articulating Crane Inspector

The Articulating Crane Inspector written exam consists of a single examination in articulating crane inspection. This examination has 40 multiple-choice questions. Candidates are allowed 60 minutes to complete the exam. A calculator is permitted for this exam.

Mobile Crane Inspector

The Mobile Crane Inspector written exam consists of a single examination in mobile crane inspection. This examination has 50 multiple-choice questions. Candidates are allowed 90 minutes to complete the exam. A calculator is permitted for this exam.

Overhead Crane Inspector

The Overhead Crane Inspector written exam consists of a single examination in overhead crane inspection. This examination has 70 multiple-choice questions. Candidates are allowed 90 minutes to complete the exam. A calculator is permitted for this exam.

Tower Crane Inspector

The Tower Crane Inspector written exam consists of a single examination in tower crane inspection. This examination has 40 multiple-choice questions.

Candidates are allowed 60 minutes to complete the exam. A calculator is permitted for this exam.

CCO has three options for taking written exams:

Online Proctored Testing (OPT), Test Center Testing (TCT), and Event Online Testing (EOT). Testing fees Crane Inspector

All methods of test delivery offer:

- Easy and fast online application
- No late application fees
- Quick and simple online scheduling
- No rescheduling fees
- Switch between testing options easily and at no cost
- Immediate score reporting *

A preliminary score will be available immediately. Results are subject to review and approval in accordance with standard testing protocols.

The same exam delivery platform is used to administer all written exams, so the look and feel is nearly identical, no matter which option is selected. Exams that require supplements (e.g., load charts) or calculators have these available on-screen. In place of scratch paper, candidates may use a physical whiteboard/dry-erase board up to 8.5 in. x 11 in. or an on-screen whiteboard that is built into the exam.

See how the testing platform works at:

- www.nccco.org/ESOdemo

COMPARING EXAM DELIVERY OPTIONS

Online Proctored Testing (OPT)

OPT allows individual candidates to take exams anytime, anywhere via computer, while being monitored virtually by a proctor. Benefits specific to OPT include:

- Available 24/7 – Test without missing work
- Test from anywhere – Home, office, hotel, anywhere with sufficient internet and a private room with a closed door
- Fast scheduling – Candidates may be able to schedule testing appointments in as little as 15 minutes (pending availability
- Exams on your computer - Use your own computer that meets minimum technical requirements and has a microphone and webcam.
- Flexible rescheduling – You may reschedule up to 30 minutes before your exam appointment time

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- No additional fees – no “sitting fee” or other hidden charges

Test Center Testing (TCT)

TCT allows individual candidates to go to a professional computer lab environment established specifically for administering secure exams. Benefits specific to TCT include:

- Testing near you – Nearly 600 testing centers available nationwide
- Plan ahead – Candidates will schedule (or reschedule) exam appointments at least 2 days before testing
- Show up and test – No need to ensure your space, computer, or internet meet specifications
- Whiteboards provided – The test center provides an 8.5 in. x 11 in. whiteboard to each candidate
- In-person Proctor – Professional, experienced TCT staff on-site to get your exam started
- No additional fees – No “sitting fee” or other hidden charges

Event Online Testing (EOT)

EOT allows groups of candidates to take tests, usually at an employer's or training provider's facility. The EOT test site has complete flexibility with setting up exams on a schedule that meets the site and their stakeholders’ needs. Benefits specific to EOT include:

- Familiar setting – Testing is typically done at your employer or training provider’s facility
- On-site testing personnel – Individuals credentialed by CCO will be onsite to guide you through the test day process
- Scheduling flexibility – Work with testing personnel to schedule and reschedule, even if you miss your exam time
- Show up and test – No need to ensure your space, computer, and internet connection meet specifications

Length of Test Day

CCO policy permits candidates to take written exams totaling 5.5 hours of test time for written exams at a single test administration. Candidates needing to take written exams totaling over 5.5 hours will need to schedule multiple test sessions.

PRACTICAL EXAMINATIONS

The practical exam component of the crane inspector certification is incorporated in written exams using scenario-based questions using images of real-life situations. These real-world scenarios test crane inspectors’ abilities to identify deficiencies and hazards commonly seen in the field.

FIND TEST LOCATIONS

Written Exams

- CCO written examinations are offered via online proctored testing (OPT) using your equipment from nearly any place with an internet connection, and on-demand at official sites nationwide.
- Find test center testing (TCT) locations by logging into your myCCO portal.
- Explore event online testing (EOT) options by searching your myCCO portal.

If you represent an employer or an organization, you can find out how to establish your site as an official CCO EOT written exam test site or practical exam test site. Review the Test Administration Handbooks for written exams and practical exams for more information.

NOTE: Test sites and Practical Exam Proctors are permitted to charge additional fees beyond the CCO exam fees for the use of their facilities and/or services.

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Written Examination Content Outline
Crane Inspector – Core Examination
50 Questions / 60 Minutes (Calculator Permitted)

The Core examination portion of the CCO Crane Inspector Written Examination tests the following knowledge areas relating to articulating, mobile, and tower cranes.

Domain 1: Pre-Inspection Survey of Standards

- Approximately 20% of the test

Domain 2: Records Review

- Approximately 8% of the test

Domain 3: Visual Inspection

- Approximately 66% of the test

Domain 4: Post-Inspection

- Approximately 6% of the test

DOMAIN 1: PRE-INSPECTION SURVEY/KNOWLEDGE OF STANDARDS

1. Interpret the standards applicable to crane inspection, including but not limited to ASME B30
2. Interpret the regulations applicable to crane inspection, including but not limited to OSHA
3. Demonstrate basic crane terminology and definitions
4. Recognize what to communicate to the site supervisor/personnel on needs/requirements for inspection

DOMAIN 2: RECORDS REVIEW

1. Recognize if given documentation is correct
   a) Application
   b) Maintenance
   c) Engineering
2. Identify which inspection records are required
3. Demonstrate how to verify whether proper repairs have been performed with acceptable documentation
   a) Repairs and/or replacements
   b) Modifications and/or alterations
   c) Qualifications of the repair person
   d) Timelines of repair
   e) Wire rope certifications

DOMAIN 3: VISUAL INSPECTION

1. Identify and determine the following conditions
   a) Proper weld
   b) Excessive corrosion
   c) Additional non-destructive testing
2. Evaluate and assess wire rope, to include:
   a) Construction and specifications
   b) Reeving
   c) Rejection criteria
   d) Termination hardware
3. Recognize existing or potential problems
4. Identify modifications and alterations
5. List and employ the manufacturers' requirements
   a) Inspections
   b) Maintenance
   c) Service requirements
   d) Limitations
6. Recognize the requirements for component guarding
7. Recognize and demonstrate inspection criteria for:
   a) Hooks
   b) Load blocks
   c) Sheaves
8. Identify upper and lower operating station (cab) inspection requirements
9. Identify the following for specific job site situations:
   a) Assist equipment (e.g., aerial work platform)
   b) Tools
   c) Personal protective equipment (PPE)

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DOMAIN 4: POST-INSPECTION

1. Identify and demonstrate that the inspection/test procedure(s) did not cause damage per regulations and manufacturer's requirements
2. Document/communicate the deficiencies and recommendations on the final report
3. Identify responsible parties involved in or pertaining to the post-inspection

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Written Examination Content Outline
Articulating Crane Inspector Examination
40 Questions / 60 Minutes (Calculator Permitted)

The Articulating Crane Specialty examination portion of the CCO Crane Inspector Written Examination tests the following knowledge areas relating to articulating cranes:

Domain 1: Pre-Inspection Survey

- Approximately 12% of the test

Domain 2: Visual Inspection

- Approximately 53% of the test

Domain 3: Operational Testing

- Approximately 10% of the test

Domain 4: Load Testing and Manufacturer's Load Charts

- Approximately 15% of the test

Domain 5: Records Review

- Approximately 10% of the test

DOMAIN 1: PRE-INSPECTION SURVEY

1. Interpret the crane specific standards and regulations applicable to crane inspection, including but not limited to:
   a) ASME B30
   b) OSHA
2. Identify cranes and crane types, including:
   a) Configuration
   b) Terminology
   c) Applications
   d) Components

DOMAIN 2: VISUAL INSPECTION

1. Identify and inspect systems, to include
   a) Pneumatic
   b) Hydraulic
   c) Mechanical
   d) Electrical
   e) Structural
   f) Non-structural (i.e., ladders, sheet metal, walkways, cab glass)
2. Identify and inspect operator aids and/or safety devices
3. Identify wire rope, including
   a) Rejection criteria
   b) Reeving specifications
   c) Termination hardware
   d) Type
4. Recognize the manufacturer's limitations

DOMAIN 3: OPERATIONAL TESTING

1. Recognize crane signals
   a) Hand signals
   b) Voice signals
2. Define control characteristics/functions

DOMAIN 4: LOAD TESTING AND MANUFACTURER'S LOAD CHARTS

1. Identify the differences between types of load tests including:
   a) Proof
   b) Stability
   c) Structural
   d) Line pull
   e) Devices
   f) Remount
2. Calculate how to interpret and apply load charts for load testing

DOMAIN 5: RECORDS REVIEW

1. Identify what engineering documentation must be provided for:
   a) Manufacturer-specific
   b) Remount

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Written Examination Content Outline
Mobile Crane Inspector Examination
50 Questions / 90 Minutes (Calculator Permitted)

The Mobile Crane Specialty examination portion of the CCO Crane Inspector Written Examination tests the following knowledge areas relating to mobile cranes:

Domain 1: Pre-Inspection Survey

- Approximately 12% of the test

Domain 2: Visual Inspection

- Approximately 40% of the test

Domain 3: Operational Testing

- Approximately 14% of the test

Domain 4: Load Testing and Manufacturer's Load Charts

- Approximately 24% of the test

Domain 5: Records Review

- Approximately 10% of the test

DOMAIN 1: PRE-INSPECTION SURVEY

1. Interpret the crane specific standards and regulations applicable to crane inspection, including but not limited to:
   a) ASME B30
   b) OSHA
2. Identify cranes and crane types, including:
   a) Configuration
   b) Terminology
   c) Applications
   d) Components

DOMAIN 2: VISUAL INSPECTION

1. Identify and inspect systems, to include:
   a) Pneumatic
   b) Hydraulic
   c) Mechanical
   d) Electrical
   e) Structural
   f) Non-structural (i.e., ladders, sheet metal, walkways, cab glass)
2. Identify and inspect tire requirements, to include:
   a) Size/load rating
   b) Size/load rating
   c) Condition
   d) Pressure
3. Identify and inspect operator aids and/or safety devices
4. Identify wire rope, including
   a) Rejection criteria
   b) Reeving specifications
   c) Termination hardware
   d) Type
5. Recognize the manufacturer's limitations

DOMAIN 3: OPERATIONAL TESTING

1. Recognize crane signals
   a) Hand signals
   b) Voice signals
2. Define control characteristics/functions

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DOMAIN 4: LOAD TESTING AND MANUFACTURER'S LOAD CHARTS

1. Identify the differences between types of load tests including:
   a) Proof
   b) Stability
   c) Structural
   d) Line pull
   e) Devices
   f) Remount
2. Calculate how to interpret and apply load charts for load testing

DOMAIN 5: RECORDS REVIEW

1. Identify what engineering documentation must be provided for:
   a) Manufacturer-specific
   b) Remount

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Written Examination Content Outline
Overhead Crane Inspector Examination
70 Questions / 90 Minutes (Calculator Permitted)

The Overhead Crane Specialty examination portion of the CCO Crane Inspector Written Examination tests the following knowledge areas relating to overhead cranes:

Domain 1: Pre-Inspection Survey

- Approximately 14% of the test

Domain 2: Records Review

- Approximately 6% of the test

Domain 3: Visual Inspection

- Approximately 50% of the test

Domain 4: Operational Testing

- Approximately 17% of the test

Domain 5: Load Testing

- Approximately 7% of the test

Domain 6: Post Inspection

- Approximately 6% of the test

DOMAIN 1: PRE-INSPECTION SURVEY

1. Interpret the standards and regulations applicable to crane inspection, including but not limited to:
   a) ASME B30
   b) CMAA Specification 78
   c) OSHA
2. Recognize what to communicate to the site supervisor/personnel on needs/requirements for inspection
3. Demonstrate basic crane terminology and definitions
4. Define specific lock-out/tag-out procedures/requirements

DOMAIN 2: RECORDS REVIEW

1. Recognize if given documentation is correct
   a) Application
   b) Maintenance
   c) Engineering
2. Identify which inspection records are required
3. Demonstrate how to verify that the following have been performed with acceptable documentation
   a) Repairs
   b) Modifications/alterations
   c) Qualifications of repair person
   d) Timelines for repair
   e) Wire rope certifications
4. Recognize crane capacity as it relates to crane configuration
   a) Multiple trolleys
   b) Permanently attached material handling devices

DOMAIN 3: VISUAL INSPECTION

1. Identify the following conditions
   a) Proper weld
   b) Excessive corrosion
   c) Additional non-destructive testing
2. Recognize proper operation of:
   a) Safety devices
   b) Operational aids
3. Evaluate and assess wire rope, including:
   a) Construction and specifications
   b) Reeving specifications
   c) Rejection criteria
   d) Termination hardware
4. Recognize existing or potential problems
5. Identify modifications and alterations
6. List and employ the manufacturer's requirements
   a) Inspection
   b) Maintenance
   c) Service requirements
   d) Limitations
7. Identify and inspect systems, including but not limited to:
   a) Pneumatic
   b) Hydraulic
   c) Mechanical

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d) Electrical
e) Structural

8. Identify the requirements for component guarding
9. Recognize and demonstrate inspection criteria for:
   a) Hooks
   b) Load blocks
   c) Sheaves
   d) Drums
10. Define inspection requirements for operator controls:
    a) Pendant
    b) Radio/remote
    c) Cab
11. Identify the following for specific job site situations:
    a) Assist equipment (e.g., aerial work platform)
    b) Tools
    c) Personal protective equipment (PPE)
12. Identify and inspect travel systems:
    a) Tire requirements
    b) Wheels and end trucks
    c) Runway systems
13. Verify capacity markings on the crane

DOMAIN 4: OPERATIONAL TESTING

1. Identify crane signals
   a) Hand signals
   b) Voice signals
2. Define control characteristics/functions:
   a) Control characteristics/functions
   b) Operating parameters/dynamic effects

DOMAIN 5: LOAD TESTING

1. Identify the differences between types of load tests, including:
   a) Rate load (i.e., brake test, dynamic/static load)
   b) Proof load
   c) Load limits

DOMAIN 6: POST INSPECTION

1. Identify and demonstrate that the inspection/test procedure(s) did not cause damage per regulations and manufacturer's requirements
2. Document/communicate the deficiencies and recommendations on the final report
3. Identify responsible parties involved in or pertaining to the post-inspection

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Written Examination Content Outline
Tower Crane Inspector Examination
40 Questions / 60 Minutes (Calculator Permitted)

The Tower Crane Specialty examination portion of the CCO Crane Inspector Written Examination tests the following knowledge areas relating to tower cranes:

Domain 1: Pre-Inspection Survey

- Approximately 10% of the test

Domain 2: Visual Inspection

- Approximately 50% of the test

Domain 3: Operational Testing

- Approximately 20% of the test

Domain 4: Load Testing and Manufacturer's Load Charts

- Approximately 10% of the test

Domain 5: Records Review

- Approximately 10% of the test

DOMAIN 1: PRE-INSPECTION SURVEY

1. Interpret the crane specific standards and regulations applicable to crane inspection, including but not limited to:
   a) ASME B30
   b) OSHA
2. Identify cranes and crane types, including:
   a) Configuration
   b) Terminology
   c) Applications
   d) Components

DOMAIN 2: VISUAL INSPECTION

1. Identify and inspect systems, to include:
   a) Hydraulic
   b) Mechanical
   c) Electrical
   d) Structural
   e) Non-structural (i.e., ladders, sheet metal, walkways, cab glass)
2. Knowledge in proper operation of:
   a) Safety devices
   b) Operational aids
3. Identify wire rope, including.
   a) Rejection criteria
   b) Reeving specifications
   c) Termination hardware
   d) Type

   Recognize the manufacturer's limitations.

DOMAIN 3: OPERATIONAL TESTING

1. Recognize crane signals
   a) Hand signals
   b) Voice signals
2. Define control characteristics/functions

DOMAIN 4: LOAD TESTING AND MANUFACTURER'S LOAD CHARTS

1. Identify the differences between types of load tests including:
   a) Proof
   b) Stability
   c) Structural
   d) Line pull
   e) Devices
2. Calculate how to interpret and apply load charts for load testing

DOMAIN 5: RECORDS REVIEW

1. Identify what engineering documentation must be provided for:
   a) Manufacturer-specific
   b) Foundation/base engineering
   c) Tie-in host structure engineering

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Reference List

The latest versions of the following reference materials are used by CCO's Crane Inspector Exam Management Committee to verify the accuracy of CCO test questions. Candidates are also strongly advised to become familiar with load charts in preparing for CCO certification examinations.

ASME B30.10 – Hooks (2024)

- https://www.asme.org/codes-standards/find-codes-standards/b30-10-hooks

ASME B30.30 – Ropes (2024)

- https://www.asme.org/codes-standards/find-codes-standards/b3030-2019-ropes

OSHA 1926 Subpart CC – Cranes and Derricks in Construction

- https://www.osha.gov/laws-regs/regulations/standardnumber/1926/1926SubpartCC

SAE J159 – Rated Capacity Systems (2012)

- https://www.sae.org/standards/content/j159/

ARTICULATING CRANES

ASME B30.22 – Articulating Boom Cranes (2023)

- https://www.asme.org/codes-standards/find-codes-standards/b30-22-articulating-boom-cranes

NCCCO Articulating Crane Reference Manual (2016)

- https://www.nccco.org/docs/default-source/reference-materials-2014/cco-articulating-crane-reference-manual_080222a.pdf?sfvrsn=3e2ec00e_2

MOBILE CRANES

ASME B30.5 – Mobile and Locomotive Cranes (2021)

- https://www.asme.org/codes-standards/find-codes-standards/b30-5-mobile-locomotive-cranes

OVERHEAD CRANES

ASME B30.2 – Top Running, Double Girder Cranes (2022)

- https://www.asme.org/codes-standards/find-codes-standards/b30-2-overhead-gantry-cranes

ASME B30.11 – Monorails and Underhung Cranes (2020)

- https://webstore.ansi.org/standards/asme/ASMEB30112010

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ASME B30.16 – Underhung Hoists (2022)

- https://www.asme.org/codes-standards/find-codes-standards/overhead-underhung-and-stationary-hoists

CMAA #70 – Specifications for Top Running Bridge & Gantry Type Multiple Girder Electric Overhead Traveling Cranes (2020)

- https://www.mhi.org/cmaa/cranespecifications

CMAA #78 – Standards and Guidelines for Professional Services Performed on Overhead Traveling Cranes and Associated Hoisting Equipment (2020)

- https://www.mhi.org/cmaa/cranespecifications

OSHA 1910.179 – Overhead and Gantry Cranes

- https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.179

TOWER CRANES

ASME B30.3 – Tower Cranes (2019)

- https://www.asme.org/codes-standards/find-codes-standards/b30-3-tower-cranes

ASME B30.29 – Self-Erecting Tower Cranes (2018)

- https://www.asme.org/codes-standards/find-codes-standards/b30-29-self-erecting-tower-cranes

NCCCO Tower Crane Reference Manual (2014)

- https://www.nccco.org/docs/default-source/reference-materials-2014/tc_rm_032714a.pdf?sfvrsn=2

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Policies

All program participants must adhere to CCO policies and procedures. Key policies can be found at:

- https://www.nccco.org/nccco/about-nccco/policies

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CCO Crane Inspector Experience Form Submission Instructions

Please complete and submit the following form at least two weeks prior to submitting your Crane Inspector certification exam Candidate Application. CCO will review all information provided before determining your eligibility to apply for the Crane Inspector certification exams. You will be notified by email of your eligibility to sit for the exam(s) within 10 business days of receipt of your materials.

All applicants for crane inspector certification shall have a minimum of 2,000 hours of documented work experience within a five-year period related to maintaining, inspecting, servicing, repairing, or modifying cranes.

***Complete* as many copies of each of the following pages as you need to demonstrate the extent of your experience and/or relevant education:**

Crane Inspector Experience Form pages:

1. Contact Information & Attestation Statement
2. Work History Documentation
3. Industry References
4. Other Comments or Attachments

All Crane Inspector candidates must submit this form for review to be eligible to apply to take the certification exams. Candidates must make their best attempt to complete all sections of the form. Please be as specific as possible regarding the extent of your experience. Applications that are deemed incomplete or inadequate will be rejected and additional information may be required.

Please send your completed Crane Inspector Experience Form and appropriate documentation to:

CCO—Testing Services Department
990 W. Bellwood Ln.
Suite 100
Murray, UT 84123
Phone: 703-560-2391
info@ccocert.org
www.nccco.org

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CCO Crane Inspector Experience Form Contact Information & Experience Attestation

Please complete the following page and sign the attestation statement for review of your Crane Inspector Experience Form.

Please type or print neatly. *(*Required fields)*

FULL LEGAL NAME* (as shown on driver's license)	First	Middle	Last	Suffix (Jr., Sr., III)

CCO CERTIFICATION NUMBER (if previously certified)	DATE OF BIRTH*	CANDIDATE ID: (if previously tested)

MAILING ADDRESS

CITY*	STATE*	ZIP	COUNTRY

DAYTIME PHONE*	EMAIL*

ARE YOU CURRENTLY CCO-CERTIFIED? ❒ Yes ❒ No

If you checked "yes" above, indicate your CCO certification number below:

CCO certification #: _____

EXPERIENCE ATTESTATION:

I declare that the foregoing statements and those in all required accompanying documentation are true. I understand and agree that my failure to provide accurate and complete information or abide by CCO'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 understand that CCO reserves the right to verify any information in this application, my documented crane-related experience and/or education, or in connection with my certification. I consent to CCO's release of any information regarding this application and my examination administration to third parties, consistent with CCO's Information Release policy. I further affirm that I have at least five years of crane-related experience as demonstrated on my Experience Form and accompanying proof-of-experience documentation.

CANDIDATE SIGNATURE	DATE

METHOD OF PAYMENT

CCO will invoice by email for the payment of the $50 Experience Form fee. Invoice will be sent from noreply@ccocert.org. Your request will not be processed until payment has been received. Please pay promptly to avoid delays in processing.

Email invoice to: _____

Please email this form to CCO at candidate@ccocert.org.

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CCO Crane Inspector Experience Form
Work History Documentation

Use separate copies of this form to list all relevant crane-related experience, ***using one form for each employer,*** starting with the most recent. Also please provide documented proof of employment for each position. Documentation can include, but is not limited to, copies of invoices, work orders, pay stubs, and/or letters of recommendation.

Work History: Page _____ of _____

When submitting corresponding documentation, please indicate which page of this Work History form each document applies to.

Employer/Customer*:	
Type of Work:	❒ Inspector ❑ Mechanic ❒ Operator ❑ Shop Foreman ❒ Other: _____
Date(s) of Employment:	
Employer/Customer City, State:	
Contact Person:	
Contact Phone, Fax, and/or Email:	
Type(s) of Cranes:	❒ Articulating Cranes ❒ Mobile Cranes ❑ Overhead Cranes ❒ Tower Cranes ❑ Other: _____
Approximate Hours of Relevant Work per Year:	
Description of Work:	

If self-employed, please include contact information for customers.

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CCO Crane Inspector Experience Form
Industry References

Please use this form to list three industry references.

When submitting corresponding documentation, please indicate which contact on this Industry References form each document applies to.

1.	Contact Name:	
	Relationship:	
	Phone Number:	
	Email:	
2.	Contact Name:	
	Relationship:	
	Phone Number:	
	Email:	
3.	Contact Name:	
	Relationship:	
	Phone Number:	
	Email:	

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CCO Crane Inspector Experience Form
Other Comments or Attachments

Please include any additional comments, attachments, or relevant experience:

Comments/Attachments: Page _____ of _____

When submitting corresponding documentation, please indicate which page of this Other Comments or Attachments form each document applies to.

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CCO Certification
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