

National Craft Assessment and Certification Program
SPECIFICATIONS
PILOT TESTING ONLY



Articulating Boom Crane

Updated April 2025

Focus Statement

This written assessment evaluates whether a candidate possesses the minimum knowledge and understanding required to safely operate an Overhead crane in compliance with ASME B30.17, B30.2 and OSHA 1910.179. A minimally competent operator must demonstrate the ability to:

- Recognize required pre-operational inspections and identify equipment or site-related hazards.
- Understand operational limits related to ground conditions, weather, and proximity to power lines.
- Select appropriate signaling methods and recognize standard hand and voice communication protocols.
- Apply regulatory safety principles to hypothetical scenarios involving lift planning, crane setup, and emergency procedures.

Overview

- Three-hour closed-book examination
- No extra papers, books, notes or study materials are allowed

The minimum passing score is 75

Practical Examination

A corresponding hands-on Practical Examination is available.

Assessment Development

All questions are developed and approved by subject matter experts under the direction of NCCER.

Score Report

Each candidate will have online access through their NCCER Account to their assessment results including their overall score and pass or training recommended status.

NCCER

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Written Assessment Contents:

Content Domains	Number of Questions
<i>Topic Areas</i>	
General Knowledge and Safety	7
Regulatory Standards	
General Safety Procedures	
Crane Operations	18
Crane Function Controls (operator controls)	
Load Handling	
Inspection, Testing, and Maintenance	10
Inspection Types and Frequency	
Testing Procedures	
Rope Inspection	
Safety Devices and Operational Aids	6
Safety Devices	
Operational Aids	
Crane Operational Components	5
Emergency Response	2
Standard Signals	6
Verify Load and Rigging Weights	6
Total Number of Items	60