



Minimum Skills Needed for CIC Crane Operator Certification

based on applicable OSHA & ASME Standards

The CIC certified operator should be familiar with the basics of crane safety and have the skills needed to operate the crane in a safe manner. Part of crane safety is understanding when to stop operation and ask for assistance or input. Fundamental knowledge required for safe operation is listed below.

I. Site Evaluation & Crane Setup

- ✓ Assess ground conditions accurately
- ✓ Assess the surrounding area for power lines
- ✓ Assess the surrounding area for underground hazard and know the controlling entity to ask, if applicable

II. Conduct Pre-Operational Crane Inspection

- ✓ Accurate pre-operational inspection from the ground up, maintaining the same daily routine
 - Fluid leaks and levels
 - Rope damage and pins
- ✓ Confirm current manual, inspection, and load charts are present
- ✓ Maintain housekeeping (e.g. clean windows, debris, etc.)
- ✓ Obvious boom damage (e.g. lattice members & telescoping sections damage)
- ✓ Verify sheaves are maintained properly
- ✓ Visual inspection of A2B
- ✓ Verify the operation of any safety devices and operational aids

III. Load Charts

- ✓ Verify load charts applicable for the crane in operation
- ✓ Determine gross and net capacity
- ✓ Verify parts of line required

IV. Crane Operation

- ✓ Know and understand hand signals
- ✓ Able to control a load
- ✓ Select a proper path for moving a load
- ✓ Avoid sudden stops and shock loading the crane
- ✓ Adequately react to weather conditions
- ✓ Properly secure the crane and load