

ANALYSIS OF CRANE OPERATOR QUALIFICATION  
(KNOWLEDGE AND SKILL) REQUIREMENTS

	PRACTICAL EXAM?	WRITTEN EXAM?	VALIDITY/RELIABILITY OF EXAMS REQUIRED?	EXAM STANDARDS NOTED?	CERTIFICATION REQUIRED?	CERTIFIER NEEDS ACCREDITATION?	LICENSE REQUIRED?
ASME B30.5 1968	YES						
ASME B30.5 2000	YES	YES					
Subpart N Work Group	YES	YES	YES				
CCO	YES	YES	YES	YES	YES	YES	
California	YES	YES	YES	YES	YES	YES	
New Jersey	YES*	YES*	YES*	YES*	YES	YES	YES
West Virginia	YES	YES	YES*	YES*	YES	YES*	YES
Hawaii	YES*	YES*	YES*	YES*	YES	YES*	YES
Michigan	YES	YES	YES*	YES	YES	YES*	

\* through adoption of related provisions

## CRANE OPERATOR QUALIFICATIONS LANGUAGE OPTIONS

	<b>Compare Reference Document</b>	<b>Sample Summary Language</b>
1.	ASME B30.5-1968	Crane operators must pass a practical examination.
2.	ASME B30.5-2000	Crane operators must pass a written and practical examination.
3.	Subpart N Work Group West Virginia	Crane operators must pass a valid and reliable written and practical examination that meet the requirements of ASME B30.5-2000.
4.	California New Jersey Michigan	Crane operators must pass a valid and reliable written and practical examination that meet the requirements of ASME B30.5-2000 and the Standards for Educational and Psychological Testing.
5.	California New Jersey	Crane operators must be certified by a certifying entity that is accredited by the National Commission for Certifying Agencies (NCCA) [or the American National Standards Institute (ANSI) to ISO 17024].
6.		Crane operators must be licensed by federal OSHA.

National Commission for the Certification of Crane Operators

**REGULATORY LANGUAGE (EXCERPTS)**

**HAWAII**

12-48-6 (b) Applicant must have passed a physical examination that meets the requirements of **ASME B30.5**, Section 5-3.1.2(a), and evidence such examination by submitting a complete and current copy of one of the following:

- (1) NCCCO medical examiner's certificate; or
- (2) A DOT certificate of medical examination.

(c) At the time of application, an applicant must provide a **current NCCCO certificate or an equivalent form of certification** that is accepted by the board that possesses hoisting machine operation experience as required for the NCCCO written exam . . .

**NEW JERSEY**

S-581-8. To be eligible for a license as a crane operator, an applicant shall fulfill the following requirements:

- a. Be at least 18 years of age;
- b. Receive certification from the **National Commission for the Certification of Crane Operators** or any other organization found by the board to offer an equivalent testing and certification program meeting the requirements of the **American Society of Mechanical Engineers ASME B30.5** and the accreditation requirements of the **National Commission for Certifying Agencies** ;
- c. Have at least 1,000 hours of crane-related experience; and
- d. Maintain a current medical examiner's certification card.

**MICHIGAN**

HB4503-(3) "an employer engaged in construction operations shall require an employee operating a crane in the course of employment or under the employer's authority to meet all of the following standards in existence on the effective date of this act, which are hereby by reference . . .

- (a) The standards of the **national commission for the certification of crane operators**, Fairfax, Virginia, 2000.
- (b) Written and practical examinations that meet the requirements of the American national standard institute (**ANSI**)/**American society of mechanical engineers (ASME)B30.5-1999**.
- (c) Federal occupational safety and health administration **standards for educational and psychological tests** developed by the **joint committee of the American educational research association**, Washington, D.C.
- (d) Physical qualifications specified in the American society of mechanical engineers (**ASME**) **standard B30.5-1999**, section 5-3.1.2(a) . . .

## WEST VIRGINIA

(written examinations)

42-24-6. 6.1. The commissioner shall certify an applicant for a class A certification [CCO] who:

- (a) Is at least eighteen years of age;
- (b) Submits an application on forms provided by the commissioner;
- (c) Submits copy of written examination scores as provided to the applicant by the NCCCO;
- (d) Submits copy of practical examination scores as provided to the applicant by the NCCCO, or a statement of exemption if the practical examination was not required by the NCCCO;
- (e) Submits a copy of a NCCCO certification card which reflects that the applicant is current and in good status;
- (f) Presents the original, or a photographic copy, of a physician's certificate that he or she is physically qualified to drive a commercial motor vehicle as required by 49 CFR §391.41 current within one (1) year of the date of application for certification, or an equivalent physician's certificate as approved by the commissioner; and
- (g) Pays the application fee of seventy-five (\$75) dollars.

(practical examinations)

4.1. National standards. For the enforcement of this rule, the **American National Standards Institute (A.N.S.I.) code B30 and B30.5** are hereby incorporated by reference.

5.1. On or after the first day of September, two thousand-one, an applicant for a class A crane operator certification shall hold a certification issued by the **National Commission for the Certification of Crane Operators (NCCCO)**. The NCCCO requires and administers its own practical examination.

5.3. The practical examination as required by the **National Commission for the Certification of Crane Operators (NCCCO)** is hereby incorporated by reference as the state practical examination required for class B crane operator certifications. . .

6.1. The commissioner may approve and designate examiners to administer the practical examination required for a class B crane operator certification. A person desiring to become an approved examiner shall make application to the commissioner on a form provided by the commissioner. The applicant shall hold a full and **current accreditation from the NCCCO as a practical examiner** or the equivalent as approved by the commissioner. A copy of the accreditation certificate shall accompany the application.

6.2. An approved examiner shall administer all practical examinations in accordance with the practical examination requirements of the NCCCO or equivalent program as approved by the commissioner.

## CALIFORNIA

(a) . . . Certificates shall be issued to operators who:

(1) Pass a physical examination conducted by a physician which at a minimum shall include the examination criteria specified in the **American Society of Mechanical Engineers (ASME) B30.5-2000 standard**, Chapter 5-3.1.2(a)(1-5, 7, 8) or the U.S. Department of Transportation (US DOT) physical examination requirements contained in 49 CFR Sections 391.41 through 391.49.

(3) Pass a written examination developed, validated, and administered in accordance with the **Standards for Educational and Psychological Testing (Copyright 1999)** published jointly by the **Joint Committee of the American Educational Research Association**, the American Psychological Association, and the National Council in Measurement in Education . . .

(D) knowledge of chapters 5-0 through 5-3 of **The American Society of Mechanical Engineers (ASME) B30.5-2000 and B30.5a-2002 Addenda to the standard for mobile and locomotive cranes or chapters 4-0 through 4-3 of the ASME B30.4-1996 standard for portal, tower, and pedestal cranes or Chapter 3-3 of the ASME B 30.3-1996 standard for Construction Tower Cranes**, depending on the type of crane(s) the operator intends to operate . . .

(4) Pass a "hands-on" examination to demonstrate proficiency in operating the specific type of crane . . .

(c) Accredited Certifying Entity. A certifying entity is any organization whose certification program is accredited by the **National Commission for Certifying Agencies (NCCA)**.