

STATE OF CONNECTICUT
REGULATION

of

NAME OF AGENCY

DEPARTMENT OF PUBLIC SAFETY

Concerning

SUBJECT MATTER OF REGULATIONS

CONNECTICUT
EXAMINING BOARD FOR CRANE OPERATORS

DEPARTMENT OF PUBLIC SAFETY

CONNECTICUT

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Section 1: The Regulations of Connecticut State Agencies are amended by adding Sections 29-223-1a to 29-223-11a, inclusive, as follows:

(NEW) **Sec. 29-223-1a. Classifications of Crane Operator's Licenses.**

The Crane Operators Examining Board, hereafter "the Board," may issue separate operator's licenses for individuals operating the following classifications of cranes: tower cranes, hydraulic cranes, derrick cranes, and mobile cable cranes.

(NEW) **Sec. 29-223-2a. Requirements for Examination.**

(a) General Examination.

Each applicant for a crane operator's license shall, and each applicant for a renewal license may, be required to take a general written examination designed to test the applicant's knowledge of generally accepted safety standards.

(b) Operating Examination.

Each applicant who receives a passing score on the general examination shall also be required to successfully complete an operating examination designed to test his or her competence in the safe operation of a crane by performing certain tasks such as raising and lowering a load, raising and lowering the boom, swinging

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the crane with a suspended load, braking, and understanding hand signals.

(NEW) **Sec. 29-223-3a. Applicant Qualifications.**

- (a) Qualifications of Applicants Not Previously Licensed in Connecticut.

Applicants not previously licensed in Connecticut shall meet the following qualifications:

- (1) Each applicant shall be at least 18 years of age;
 - (2) Each applicant shall have at least two years of experience in the operation of a crane; and
 - (3) Each applicant shall successfully complete both the general and operating examinations administered by the Board.
- (b) Apprentice's Certificate of Registration.

An apprentice's certificate of registration may be issued to an individual who is not eligible for licensing because he or she does not have two years of experience operating a crane. Such certificate shall entitle the holder to operate a crane under the general supervision of a licensed crane operator.

(NEW) **Sec. 29-223-4a. Procedures for Issuance and Renewal of Licenses and Apprentice Certificates.**

- (a) Applications for New Licenses.

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Each applicant for licensing shall complete an application form and pay an examination fee of \$50. If such candidate meets the age and experience requirements, the Board shall schedule a general examination. If the applicant receives a passing score on the general examination, the Board shall schedule an operating examination. If the applicant receives a passing score on the operating examination, the Board shall issue a two-year license upon payment of the licensing fee and submission of a passport-sized photograph.

(b) Licensing Fees.

The fee for both the initial two-year operator's license and each renewal thereof shall be \$50.

(c) Apprentice's Certificates of Registration.

Each applicant for an apprentice's certificate shall complete an application form, pay an initial application fee of \$25, provide a passport-sized photograph and submit a letter from an employer or training officer stating that the individual will receive training under the supervision of a licensed crane operator.

(d) Renewals and Replacements.

(1) The holder shall submit a renewal application, together with a passport-sized photograph and payment of the renewal fee.

(2) An application for renewal of a crane operator's license shall be made within one year of the expiration date of the license, unless such requirement would cause undue hardship. Any application for license renewal received more than one year after expiration of the operator's current license shall be processed as an application for initial licensing, which shall require that the applicant successfully complete the general and practical examinations.

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(3) The holder of a valid license or apprentice's certificate may, upon application and payment of a \$5 fee, obtain a duplicate license or certificate in the event that the originally issued license or certificate is lost or mutilated.

(NEW) **Sec. 29-223-5a. Registration Requirements.**

- (a) The annual fee for initial registration of a crane shall be \$40.
- (b) The annual fee for initial registration of a crane owned by a dealer shall be \$40. Such registrations may be affixed to a crane being delivered to a buyer or made available to someone other than its owner as part of a rental agreement or for demonstration purposes. Information sufficient to identify the lessee or recipient of such demonstration shall be provided to the Board upon request. For the purposes of this section, "dealer" means a person, firm or corporation engaged in the business of selling or leasing cranes.
- (c) Renewal registrations shall be issued upon application and the payment of a \$25 annual fee, provided such application is received within 30 days of the expiration of the current registration. Any renewal application received more than 30 days after the expiration of the current registration shall be processed as an initial registration.
- (d) The registration certificate shall be affixed to the crane in the principal operating location.

Safety Code for the Operation and Maintenance of Cranes.

(NEW) **Sec. 29-223-6a. General Provisions.**

- (a) Safety Protection Required.

Each owner, lessee, employer or contractor responsible for the operation of a crane subject to the requirements of Sections 29-

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223-6a to 29-223-11a, inclusive, shall ensure that such crane is operated in accordance with the provisions of Sections 29-223a-6a to 29-223-11a, inclusive.

(b) General Requirements of Competency.

The installation and maintenance of any device required by Sections 29-223a-6a to 29-223-11a, inclusive, shall be performed by a person experienced in the operation, maintenance and repair of cranes, as defined in Section 29-221 of the Connecticut General Statutes.

(c) Condition of Equipment and Safeguards.

(1) No owner, lessee, employer or contractor shall require or permit an employee to operate any crane in violation of the provisions of Sections 29-223a-6a to 29-223-11a, inclusive.

(2) All cranes shall be operated in accordance with the manufacturer's requirements for safe lifting and the specific requirements of Sections 29-223-6a to 29-223-11a, inclusive.

(3) The safety of any modification affecting the structural stability of a crane shall be certified by the manufacturer or a licensed professional engineer. Structural welding shall only be performed by a welder certified by the American Welding Society.

(NEW) **Sec. 29-223-7a. Adopted Standards.**

(a) The following standards promulgated by the American Society of Mechanical Engineers (ASME) are adopted by reference as regulations of the Department of Public Safety:

ASME B30.3-1996	Construction Tower Cranes;
ASME B30.3a-1997	Addenda, Construction Tower Cranes;
ASME B30.3b-1998	Addenda, Construction Tower Cranes;

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ASME B30.4-1996	Portal, Tower and Pedestal Cranes;
ASME B30.4a-1998	Addenda, Portal, Tower and Pedestal Cranes;
ASME B30.5-1994	Mobile and Locomotive Cranes;
ASME B30.5a-1995	Addenda, Mobile and Locomotive Cranes;
ASME B30.5b-1996	Addenda, Mobile and Locomotive Cranes;
ASME B30.5c-1998	Addenda, Mobile and Locomotive Cranes;
ASME B30.6-1995	Derricks; and
ASME B30.6a-1998	Addenda, Derricks.

(b) The standards promulgated by the American Society of Mechanical Engineers are available by writing ASME at 345 East 47th Street, New York, NY 10017.

Note: A section or subsection in the Connecticut Supplement preceded by "Del" indicates the deletion of this section or subsection from the adopted referenced standard.

(NEW) **Sec. 29-223-8a. Connecticut Supplement to ASME B30.3-1996.**

ASME B30.3-1996, Construction Tower Cranes, is amended to meet the needs of Connecticut as follows:

CHAPTER 3-3

Operation

3-3.1: Qualifications for and Conduct of Operators and Operating Practices

(Del) 3-3.1.1 Operators

(Del) 3-3.1.2 Qualification for Operators

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(NEW) **Sec. 29-223-9a. Connecticut Supplement to ASME B30.4-1996.**

ASME B30.4-1996, Portal, Tower, and Pedestal Cranes, is amended to meet the needs of Connecticut as follows:

CHAPTER 4-3

Operation

4-3.1: Qualifications for and Conduct of Operations and Operating Practices

(Del) 4-3.1.1 Operators

(Del) 4-3.1.2 Qualification for Operators

(NEW) **Sec. 29-223-10a. Connecticut Supplement to ASME B30.5-1994 and ASME B30.5a-1995.**

(a) ASME B30.5-1994, Mobile and Locomotive Cranes, is amended to meet the needs of Connecticut as follows:

CHAPTER 5-3

Operation

5-3.1: Qualifications for and Conduct of Operators and Operating Practices

(Del) 5-3.1.1 Operators

(Del) 5-3.1.2 Qualifications for Operators

(b) ASME B30.5a-1995, Addenda, Mobile and Locomotive Cranes, is amended to meet the needs of Connecticut as follows:

CHAPTER 5-0

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Scope, Definitions and References

5-0.2.2 General

(Del) qualified operator - an operator who has met the requirements of paras. 5-3.1.2(a), (b), and (c).

CHAPTER 5-3

Operation

5-3.1 Qualifications for and Conduct of Operators and Operating Practices

(Del) 5-3.1.1 Operators

(Del) 5-3.1.2 Qualifications for Operators

(NEW) **Sec. 29-223-11a. Connecticut Supplement to ASME B30.6-1995.**

ASME B30.6-1995, Derricks, is amended to meet the needs of Connecticut as follows:

CHAPTER 6-3

Operation

6-3.1 Qualifications for and Conduct of Director and Operating Practices

(Del) 6-3.1.1 Operation of Derricks

(Del) 6-3.1.2 Qualifications for Directors

6-3.2 Operator Qualifications and Operating Practices

(Del) 6-3.2.1 Operators

(Del) 6-3.2.2 Qualifications for Operators

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Section 2: Sections 29-223-1 through 29-223-14, inclusive, of the Regulations of Connecticut State Agencies are repealed.

Statement of Purpose: To update regulations specifying procedures for the licensing and registration of crane operators, apprentices and cranes, as well as the promulgation of a safety code for the operation and maintenance of cranes.