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ALBERTA REGULATION 272/2000
Apprenticeship and Industry Training Act
CRANE AND HOISTING EQUIPMENT OPERATOR
TRADE REGULATION

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Definitions

1 In this Regulation,

(a) “apprentice” means a person who is an apprentice in the trade;

(b) “boom truck” means a boom truck as defined in Part 4;

(c) “certified journeyperson” means a certified journeyperson as defined in the Apprenticeship Program Regulation;

(d) repealed AR 77/2018 s2;

(e) “crane and hoisting equipment” means a mobile crane, a tower crane, a boom truck or a wellhead boom truck, but does not include

(i) an overhead bridge-type crane;

(ii) a crane that meets the requirements of and is operated in accordance with the Canada Labour Code and the regulations under that Code;

(iii) a crane that is used exclusively for raising, lowering and towing motor vehicles;

(iv) a crane that is mounted on a motor vehicle that is used exclusively for fire fighting;

(v) a machine, commonly known as a side-boom or pipe layer that is used for pipeline work to lower pipes into a trench;

(vi) an aerial device that is commonly known as a personnel lift or personnel hoist;

(vii) a mobile lifting device designed exclusively for use in power line and electric utility services such as digger derricks and radial boom derricks used to auger holes and to set utility poles and place associated equipment;

(viii) equipment designed exclusively to move earth;

(ix) a crane that

(A) is operated at a mine site,

(B) is used with a special attachment to move earth or material, and
(C) meets the requirements of and is operated in accordance with the *Occupational Health and Safety Act* and the regulations under that Act;

(x) an aerial material handling device with or without live lines;

(xi) equipment designed exclusively for drilling or driving piles and casings;

(f) repealed AR 129/2005 s2;

(g) “hydraulic mobile crane” means a hydraulic mobile crane as defined in Part 2;

(g.1) “lattice boom mobile crane” means a lattice boom mobile crane as defined in Part 2;

(g.2) “lifting capacity” means the highest capacity at the shortest lifting radius, as defined by the load chart installed on the mobile crane, tower crane, boom truck or wellhead boom truck;

(h) repealed AR 129/2005 s2;

(i) “mobile crane” means a mobile crane as defined in Part 2;

(i.1) “routine maintenance” means the maintenance tasks and activities recommended by the manufacturer for the crane or hoisting equipment in question;

(j) “technical training” means technical training as defined in the *Apprenticeship Program Regulation*;

(j.1) “testing” means a procedure used in the course of normal operation only, to determine that the crane or hoisting equipment in question is functioning, and does not include routine maintenance or repair activities;

(k) “tower crane” means a tower crane as defined in Part 3;

(l) “trade” means the occupation of crane and hoisting equipment operator that is designated as a compulsory certification trade pursuant to the *Apprenticeship and Industry Training Act*;

(m) “wellhead boom truck” means a wellhead boom truck as defined in Part 4.1.
Part 1
General Matters Respecting the Trade

Constitution of the trade

2(1) The undertakings set out in sections 6, 13 and 19 constitute the trade.

(2) The trade is made up of the following:
   (a) the mobile crane operator branch of the trade;
   (b) the tower crane operator branch of the trade;
   (c) the boom truck operator branch of the trade;
   (d) the wellhead boom truck operator branch of the trade.

(3) Notwithstanding subsection (1), the installation or repairing of crane and hoisting equipment by persons other than the operators of crane and hoisting equipment are matters that do not constitute undertakings that come within the trade.

Tasks, activities and functions

3 When practising or otherwise carrying out work in the trade, the tasks, activities and functions set out in sections 7, 14 and 20 come within the trade.

Supervision, etc., of apprentices

4(1) Where, in respect of a branch in the trade, a person is a certified journeyperson and is to provide supervision to an apprentice, that journeyperson is eligible to supervise that apprentice only
   (a) in respect of the undertakings that constitute that branch, and
   (b) in respect of tasks, activities and functions that come within that branch,

   for which that person is a certified journeyperson.

(2) Where a person is an apprentice in an apprenticeship program in a branch in the trade and is employed in respect of another branch in the trade, that apprentice is eligible to carry out work only
(a) in respect of the undertakings that constitute that branch, and

(b) in respect of tasks, activities and functions that come within that branch,

for which that person is an apprentice.

Part 2
Mobile Crane Operator Branch of the Trade

Definitions
5 In this Part,

(a) repealed AR 77/2018 s6;

(b) “hydraulic mobile crane” means any device or structure that

(i) incorporates a hydraulic driven drum and cable or rope used for raising, lowering or moving material,

(ii) is equipped with a telescoping boom capable of moving in the vertical plane,

(iii) is mounted on a pedestal, base or chassis, either crawler, trailer or wheel mounted, to provide mobility,

(iv) has a lifting capacity of 15 tons (13.6 tonnes) or greater, and

(v) may incorporate a ring assembly or a strand jacking system for hoisting;

(c) “lattice boom mobile crane” means any device or structure that

(i) incorporates a friction or hydraulic driven drum and cable or rope used for raising, lowering or moving material,

(ii) is equipped with a lattice boom capable of moving in the vertical plane,

(iii) is mounted on a pedestal, base or chassis, either crawler, trailer or wheel mounted, to provide mobility, and
(iv) has a lifting capacity of 15 tons (13.6 tonnes) or greater.

(d) “mobile crane” means

(i) a hydraulic mobile crane or a lattice boom mobile crane, and

(ii) a boom truck or a wellhead boom truck that has a lifting capacity greater than 65 tons (59 tonnes).

Trade Matters Respecting the Branch

Undertakings constituting the branch

6 The operation, testing and routine maintenance of mobile cranes, boom trucks and wellhead boom trucks are the undertakings that constitute the mobile crane operator branch of the trade.

Tasks, activities and functions

7 When practising or otherwise carrying out work in the mobile crane operator branch of the trade, the following tasks, activities and functions come within that branch:

(a) using hand tools, power tools and specialized equipment while maintaining and operating mobile cranes and related equipment;

(b) recognizing and identifying malfunctions relating to mobile cranes and related equipment or their operation and the proper procedures to be applied when recognizing and identifying such malfunctions;

(c) recognizing and identifying conditions that are potentially hazardous to safe machine operation;

(d) interpreting and applying visual and audio communications;

(e) communicating with management, signallers and riggers using visual and audio systems;

(f) inspecting and maintaining mobile cranes and related equipment;

(g) performing rigging;

7
(h) carrying out pre-lift planning and pre-lift tasks when preparing for lifts;

(i) assembling mobile cranes and related equipment for lifts;

(j) disassembling mobile cranes for transport;

(k) the tasks, activities and functions of the boom truck operator branch of the trade;

(l) the tasks, activities and functions of the wellhead boom truck operator branch of the trade.

**Apprenticeship**

**Term of the apprenticeship program - mobile crane operators**

8(1) Subject to credit for previous training or experience being granted pursuant to an order of the Board, the term of an apprenticeship program for the mobile crane operator branch of the trade is 3 periods of not less than 12 months each.

(2) In the first period of the apprenticeship program an apprentice must acquire not less than 1620 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

(3) In the 2nd period of the apprenticeship program an apprentice must acquire not less than 1800 hours of on the job training.

(4) In the 3rd period of the apprenticeship program an apprentice must acquire not less than 1620 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

**Employment of apprentices**

9(1) Where, with respect to the employment of apprentices in the mobile crane operator branch of the trade, a person employs an apprentice, that employment must be carried out in accordance with this section.

(2) Subject to subsection (2.1), a person who is a certified journeyperson or employs a certified journeyperson in the mobile crane operator branch of the trade may employ 2 apprentices in that branch of the trade and 2 additional apprentices in that branch for each additional certified journeyperson in that branch that is employed by that person.
(2.1) Subsection (2) does not apply to an apprentice who is engaged in an apprenticeship program in the mobile crane operator branch of the trade and has completed all the requirements required or approved by the Board for advancement into the 3rd period of that apprenticeship program.

(3) For the purposes of subsection (2), a person who is a certified journeyperson in the mobile crane operator branch of the trade or employs a certified journeyperson in that branch, instead of employing an apprentice in an apprenticeship program in the mobile crane operator branch of the trade, may employ the following:

(a) an apprentice in an apprenticeship program in the boom truck operator branch of the trade to carry out any of the undertakings that constitute the boom truck operator branch of the trade;

(b) an apprentice in an apprenticeship program in the wellhead boom truck operator branch of the trade to carry out any of the undertakings that constitute the wellhead boom truck operator branch of the trade.

Wages

10(1) With respect to the payment of wages to an apprentice in an apprenticeship program in the mobile crane operator branch of the trade, a person shall not, subject to the Apprenticeship Program Regulation, pay wages to an apprentice that are less than those provided for under subsection (2).

(2) Subject to the Employment Standards Code, a person employing an apprentice referred to in subsection (1) must pay wages to the apprentice that are at least equal to the following percentages of the wages paid to employees who are certified journeypersons in that branch of the trade:

(a) 70% in the first period of the apprenticeship program;

(b) 80% in the 2nd period of the apprenticeship program;

(c) 90% in the 3rd period of the apprenticeship program.

(3) Repealed AR 77/2018 s11.

(4) In the case of an apprentice in an apprenticeship program in the boom truck operator branch of the trade, a person employing an apprentice pursuant to section 9(3) shall not pay wages to an apprentice that are less than those provided for under section 25.
Trade certificates re mobile crane operators

11 A person who successfully meets the requirements established, approved or otherwise recognized by the Board may be granted a trade certificate in the mobile crane operator branch of the trade.

AR 272/2000 s11;77/2018

Part 3
Tower Crane Operator Branch of the Trade

Definition

12 In this Part, “tower crane” means any mechanical device or structure that

(a) is designed to incorporate a power driven drum and cable or rope and a vertical mast or tower and a jib,

(b) is of the travelling, fixed, climbing or self-erecting type, and

(c) is used exclusively for raising, lowering or moving material.

AR 272/2000 s12;137/2004

Trade Matters Respecting the Branch

Undertakings constituting the branch

13 The operation, testing and routine maintenance of tower cranes are the undertakings that constitute the tower crane operator branch of the trade.

AR 272/2000 s13;77/2018

Tasks, activities and functions

14 When practising or otherwise carrying out work in the tower crane operator branch of the trade, the following tasks, activities and functions come within that branch:

(a) using hand tools, power tools and specialized equipment while performing routine maintenance on and operating tower cranes and related equipment;

(b) recognizing and identifying malfunctions relating to tower cranes and related equipment and the proper procedures to be applied when recognizing and identifying such malfunctions;

(c) recognizing and identifying conditions that are potentially hazardous to safe machine operation;
(d) interpreting and applying visual and audio communications;

(e) communicating with management, signallers and riggers using visual and audio systems;

(f) inspecting and maintaining tower cranes and related equipment;

(g) performing rigging;

(h) carrying out pre-lift planning and pre-lift tasks when preparing for lifts;

(i) assembling tower cranes and related equipment for lifts;

(j) disassembling tower cranes for transport.

Apprenticeship

Term of the apprenticeship program - tower crane operators

15(1) Subject to credit for previous training or experience being granted pursuant to an order of the Board, the term of an apprenticeship program for the tower crane operator branch of the trade is 2 periods of not less than 12 months each.

(2) In the first period of the apprenticeship program an apprentice must acquire not less than 1320 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

(3) In the 2nd period of the apprenticeship program an apprentice must acquire not less than 1500 hours of on the job training.

Employment of apprentices

16(1) Where, with respect to the employment of apprentices in the tower crane operator branch of the trade, a person employs an apprentice, that employment must be carried out in accordance with this section.

(2) A person who is a certified journeyperson or employs a certified journeyperson in the tower crane operator branch of the trade may employ 2 apprentices and 2 additional apprentices in that branch of the trade for each additional certified journeyperson in that branch that is employed by that person.
Wages

17(1) With respect to the payment of wages to an apprentice in an apprenticeship program in the tower crane operator branch of the trade, a person shall not, subject to the Apprenticeship Program Regulation, pay wages to an apprentice that are less than those provided for under subsection (2).

(2) Subject to the Employment Standards Code, a person employing an apprentice referred to in subsection (1) must pay wages to the apprentice that are at least equal to the following percentages of the wages paid to employees who are certified journeypersons in that branch of the trade:

(a) 70% in the first period of the apprenticeship program;

(b) 85% in the 2nd period of the apprenticeship program.

Part 4
Boom Truck Operator Branch of the Trade

Definitions

18 In this Part,

(a) “boom truck” means a crane consisting of a rotating superstructure operating machinery on a centre post or turntable that

(i) has one or more operator stations mounted on a frame attached to a commercial truck chassis or trailer chassis,

(ii) typically

(A) retains a payload hauling capacity, and

(B) has a power source capable of powering the crane,

and

(iii) is equipped with

(A) a boom which is capable of swinging, hoisting and booming up and down and that has a lifting capacity greater than 5 tons (4.5 tonnes) and equal to or less than 65 tons (59 tonnes),
Section 19 – CRANE AND HOISTING EQUIPMENT OPERATOR

TRADE REGULATION – AR 272/2000

19. The operation, testing and routine maintenance of boom trucks and wellhead boom trucks are the undertakings that constitute the boom truck operator branch of the trade.

AR 272/2000 s19; 34/2005; 129/2005; 77/2018

Tasks, activities and functions

20. When practising or otherwise carrying out work in the boom truck operator branch of the trade, the following tasks, activities and functions come within that branch:

(a) using hand tools, power tools and specialized equipment while maintaining and operating boom trucks and related equipment;

(b) recognizing and identifying malfunctions relating to boom trucks and related equipment and proper procedures to be applied when identifying such malfunctions;

(c) recognizing and identifying conditions that are potentially hazardous to safe machine operation;

(d) interpreting and applying visual and audio communications;

(e) communicating with management, signallers and riggers using visual and audio systems;

(b), (c) repealed AR 129/2005 s5;

(d), (e) repealed AR 77/2018 s20.

AR 272/2000 s18; 137/2004; 129/2005; 77/2018

Trade Matters Respecting the Branch

Undertakings constituting the branch

19. The operation, testing and routine maintenance of boom trucks and wellhead boom trucks are the undertakings that constitute the boom truck operator branch of the trade.

AR 272/2000 s19; 34/2005; 129/2005; 77/2018
(f) inspecting and maintaining boom trucks and related equipment;

(g) performing rigging;

(h) carrying out pre-lift planning and pre-lift tasks when preparing for lifts;

(i) the tasks, activities and functions of the wellhead boom truck operator branch of the trade.

20.1 Repealed AR 182/2010 s2.

Apprenticeship

Term of the apprenticeship program - boom truck operators

21(1) Subject to credit for previous training or experience being granted pursuant to an order of the Board, the term of an apprenticeship program for the boom truck operator branch of the trade is one period of not less than 12 months.

(2) In the period of the apprenticeship program the apprentice must acquire not less than 1200 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

Employment of apprentices re boom truck operator branch

22(1) Where, with respect to the employment of apprentices in the boom truck operator branch of the trade, a person employs an apprentice, that employment must be carried out in accordance with this section.

(2) A person who is a certified journeyperson in the boom truck operator branch of the trade or employs a certified journeyperson in that branch may employ 2 apprentices in that branch and 2 additional apprentices for each additional certified journeyperson that is employed by that person.

(3) For the purposes of subsection (2), a person who is a certified journeyperson in the boom truck operator branch of the trade or employs a certified journeyperson in that branch, instead of employing an apprentice in an apprenticeship program in the boom truck operator branch of the trade, may employ the following:

(a) an apprentice in an apprenticeship program in the mobile crane operator branch of the trade to carry out any of the
undertakings that constitute the boom truck operator branch of the trade;

(b) an apprentice in an apprenticeship program in the wellhead boom truck operator branch of the trade to carry out any of the undertakings that constitute the wellhead boom truck operator branch of the trade.


24 Repealed AR 77/2018 s25.

Wages

25(1) With respect to the payment of wages to an apprentice in an apprenticeship program in the boom truck operator branch of the trade, a person shall not, subject to the Apprenticeship Program Regulation, pay wages to an apprentice that are less than those provided for under subsection (2).

(2) Subject to the Employment Standards Code, a person employing an apprentice referred to in subsection (1) must pay wages to the apprentice during the period that constitutes the apprenticeship program that are at least equal to 70% of the wages paid to employees who are certified journeypersons in the boom truck operator branch of the trade.

(3) Repealed AR 77/2018 s26.


Part 4.1

Wellhead Boom Truck Operator Branch of the Trade

Definition

25.1 In this Part, “wellhead boom truck” means a boom truck that is used for one or more of the following:

(a) wellhead pumping operations;
(b) wireline operations;
(c) perforating operations;
(d) coiled tubing operations;
(e) snubbing operations;
(f) the rig up and rig out of slant service rigs.

Trade Matters Respecting the Branch

Undertakings constituting the branch

25.2 The operation, testing and routine maintenance of wellhead boom trucks are the undertakings that constitute the wellhead boom truck operator branch of the trade.

Tasks, activities and functions

25.3 When practising or otherwise carrying out work in the wellhead boom truck operator branch of the trade, the following tasks, activities and functions come within that branch:

(a) using hand tools, power tools and specialized equipment while maintaining wellhead boom trucks and related equipment;

(b) recognizing and identifying malfunctions relating to wellhead boom trucks and related equipment and proper procedures to be applied when identifying such malfunctions;

(c) recognizing and identifying conditions that are potentially hazardous to safe machine operation;

(d) interpreting and applying visual and audio communications;

(e) communicating with management, signallers and riggers using visual and audio systems;

(f) inspecting and maintaining wellhead boom trucks and related equipment;

(g) performing rigging;

(h) carrying out pre-lift planning and pre-lift tasks when preparing for lifts.

Apprenticeship

Term of the apprenticeship program - wellhead boom truck operators

25.4(1) Subject to credit for previous training or experience being granted pursuant to an order of the Board, the term of an
apprenticeship program for the wellhead boom truck operator branch of the trade is one period of not less than 12 months.

(2) In the period of the apprenticeship program the apprentice must acquire not less than 100 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

Employment of apprentices re wellhead boom truck operator branch

25.5(1) Where, with respect to the employment of apprentices in the wellhead boom truck operator branch of the trade, a person employs an apprentice, that employment must be carried out in accordance with this section.

(2) A person who is a certified journeyperson in the wellhead boom truck operator branch of the trade or employs a certified journeyperson in that branch may employ 2 apprentices in that branch and 2 additional apprentices for each additional certified journeyperson that is employed by that person.

(3) For the purposes of subsection (2), a person who is a certified journeyperson in the wellhead boom truck operator branch of the trade or employs a certified journeyperson in that branch, instead of employing an apprentice in an apprenticeship program in the wellhead boom truck operator branch of the trade, may employ an apprentice in an apprenticeship program in the mobile crane operator branch of the trade or the boom truck operator branch of the trade to carry out any of the undertakings that constitute the wellhead boom truck operator branch of the trade.

Wages

25.6(1) With respect to the payment of wages to an apprentice in an apprenticeship program in the wellhead boom truck operator branch of the trade, a person shall not, subject to the Apprenticeship Program Regulation, pay wages to an apprentice that are less than those provided for under subsection (2).

(2) Subject to the Employment Standards Code, a person employing an apprentice referred to in subsection (1) must pay wages to the apprentice during the period that constitutes the apprenticeship program that are at least equal to 70% of the wages paid to employees who are certified journeypersons in wellhead boom truck operator branch of the trade.
Part 5
Transitional Provisions, Repeals, Expiry and Coming into Force


Identification card remains valid

26.1 A person who on September 1, 2018 held an identification card in respect of an approved training program under the Boom Truck Operator Exception Regulation (AR 87/2002) may continue to work in that trade subject to the original conditions set out in the identification card.

AR 77/2018 s28

Conventional mobile crane trade certificate

26.2 A person who on September 1, 2018 held a conventional mobile crane trade certificate under this regulation may continue to work in the mobile crane branch of the trade.

AR 77/2018 s28

Trade certificate re wellhead boom truck craft

26.3 A person who on September 1, 2018 held a trade certificate under this regulation for wellhead boom truck craft may continue to work in the wellhead boom truck operator branch of the trade.

AR 77/2018 s28

Apprenticeship continues

27 A person who immediately before January 1, 2001 was an apprentice in an apprenticeship program under the Crane and Hoisting Equipment Operator Trade Regulation (AR 160/2000) continues as an apprentice in that apprenticeship program under this Regulation.

AR 272/2000 s27;129/2005

28 to 30  Repealed AR 129/2005 s15.

Repeal

31 The Crane and Hoisting Equipment Operator Trade Regulation (AR 160/2000) is repealed.
32 Repealed AR 77/2018 s29.

Coming into force

33 This Regulation comes into force on January 1, 2001.