



Province of Alberta

## APPRENTICESHIP AND INDUSTRY TRAINING ACT

# AGRICULTURAL EQUIPMENT TECHNICIAN TRADE REGULATION

### **Alberta Regulation 259/2000**

With amendments up to and including Alberta Regulation 165/2017

### Office Consolidation

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(Consolidated up to 165/2017)

**ALBERTA REGULATION 259/2000**  
**Apprenticeship and Industry Training Act**  
**AGRICULTURAL EQUIPMENT TECHNICIAN**  
**TRADE REGULATION**

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**Definitions**

**1** In this Regulation,

- (a) “agricultural equipment” means any self-propelled, towed or stationary agricultural machinery used in farming, including any equipment and components required for the operation of the machinery and without limiting the generality of the foregoing includes
  - (i) internal combustion engines and components, both stationary and mobile;
  - (ii) rubber tired and rubber or steel tracked towing equipment, commonly called tractors;

- (iii) towed primary and secondary tillage equipment commonly called ploughs (mouldboard, disk, chisel) and cultivators;
- (iv) towed and self-propelled equipment commonly called seeders, inclusive of all crops;
- (v) towed or self-propelled equipment commonly called sprayers or broadcasters;
- (vi) towed and self-propelled harvesting equipment commonly called balers, swathers, windrowers, combines or forage harvesters;
- (vii) repealed AR 85/2001 s3;
- (viii) miscellaneous equipment and components required in the production, distribution and transportation of farm produce;
- (b) “apprentice” means a person who is an apprentice in the trade;
- (c) “certified journeyman” means a certified journeyman as defined in the *Apprenticeship Program Regulation*;
- (d) “technical training” means technical training as defined in the *Apprenticeship Program Regulation*;
- (e) “trade” means the trade of agricultural equipment technician that is designated as an optional certification trade pursuant to the *Apprenticeship and Industry Training Act*;
- (f) “uncertified journeyman” means an uncertified journeyman as defined in the *Apprenticeship Program Regulation*.

AR 259/2000 s1;85/2001;270/2006

### General Matters Respecting the Trade

#### Constitution of the trade

**2** The undertakings that constitute the trade are the repair, maintenance and servicing of agricultural equipment, and without limiting the generality of the foregoing include the repair, maintenance and servicing of the following:

- (a) internal combustion engines and components;
- (b) power trains;

- (c) electrical and electronic systems;
- (d) hydraulic systems;
- (e) steering systems;
- (f) braking systems;
- (g) wheels and tracked undercarriages;
- (h) heating and air conditioning;
- (i) soil preparation systems;
- (j) harvesting systems;
- (k) spraying systems;
- (l) grain handling equipment;
- (m) miscellaneous equipment and systems used in the production, distribution and transportation of farm produce.

**Tasks, activities and functions**

**3** When practising or otherwise carrying out work in the trade, the following tasks, activities and functions come within the trade:

- (a) with respect to gasoline and diesel internal combustion 2 and 4 stroke cycle engines,
  - (i) inspecting and testing engines and components before and after repair using a variety of hand and power tools and measuring and testing equipment;
  - (ii) inspecting, testing, repairing and replacing components of
    - (A) liquid cooling systems;
    - (B) air cooling filters or screening systems;
    - (C) engine lubrication systems;
    - (D) gasoline engine fuel systems;
    - (E) diesel engine fuel systems;
    - (F) air-induction systems on diesel engines;

- (iii) inspecting, adjusting and replacing gasoline engine ignition components;
  - (iv) inspecting, testing, adjusting, repairing and replacing elements of engine governor systems;
  - (v) inspecting and replacing elements of engine exhaust systems;
  - (vi) dismantling, repairing, replacing and reassembling damaged or worn components of cylinder heads;
  - (vii) dismantling, cleaning, inspecting, rebuilding and reassembling the various types of cylinder block assemblies;
- (b) with respect to engine starting systems, inspecting, testing, replacing and repairing components of electric starter circuits;
- (c) with respect to electrical systems,
- (i) inspecting, testing, servicing and replacing storage batteries;
  - (ii) testing, rebuilding, adjusting and replacing components of electrical charging systems;
  - (iii) testing, overhauling, adjusting and replacing components of lighting, warning and safety electrical systems;
- (d) with respect to clutches, hydraulic couplings, transmissions and transfer cases,
- (i) inspecting
    - (A) clutches and components;
    - (B) components of hydraulic couplings;
    - (C) components of manual shift transmissions;
    - (D) automatic gear change transmissions;
    - (E) single and multiple speed transfer cases;
  - (ii) adjusting or replacing
    - (A) clutches and components;
    - (B) components of hydraulic couplings;

- (C) components of manual shift transmissions;
- (D) automatic gear change transmissions;
- (E) single and multiple speed transfer cases;
- (iii) repairing clutches and components;
- (iv) rebuilding
  - (A) components of manual shift transmissions;
  - (B) automatic gear change transmissions;
  - (C) single and multiple speed transfer cases;
  - (D) power shift transmissions;
- (v) installing single and multiple speed transfer cases;
- (e) with respect to drivelines, rear and front axle assemblies and differential and final drives,
  - (i) inspecting and replacing
    - (A) drive shafts and universal joints and components;
    - (B) components of front and rear differentials;
    - (C) components of front and rear axles and final drives;
    - (D) tires, wheels and components;
  - (ii) adjusting components of front and rear differentials;
  - (iii) adjusting components of front and rear axles and final drives;
- (f) with respect to steering systems,
  - (i) inspecting components of
    - (A) manually operated steering systems;
    - (B) hydraulic and electronically assisted steering systems;
    - (C) controlled differential (pivot) and articulated steering;

- (ii) reconditioning and replacing components of manually operated steering systems;
  - (iii) testing, repairing, adjusting and replacing components of hydraulic and electronically assisted steering systems;
  - (iv) testing, repairing, replacing and adjusting components of controlled differential (pivot) and articulated steering;
- (g) with respect to braking systems and power take-offs,
- (i) inspecting, replacing, repairing and adjusting components of
    - (A) mechanical braking systems;
    - (B) vehicle hydraulic braking systems;
    - (C) air and electric braking systems;
  - (ii) testing components of mechanical braking systems;
  - (iii) rebuilding components of vehicle hydraulic braking systems;
  - (iv) repairing and replacing power take-offs;
- (h) with respect to cabs, canopies and cab heating systems and air conditioning systems,
- (i) inspecting, repairing, replacing installing and adjusting components of
    - (A) cabs or canopies;
    - (B) cab heating systems;
  - (ii) inspecting, repairing, replacing, and adjusting components of cab air conditioning systems;
- (i) operating tow trucks and related recovery equipment to assist in repair or moving equipment to a location where repairs can be performed;
- (j) with respect to agricultural equipment,
- (i) inspecting, repairing and replacing components of
    - (A) ploughs;



- (B) spreaders;
  - (C) harrows;
  - (D) potato planters and grain drills;
  - (E) sprayers;
  - (F) grain and pea combines;
  - (G) potato harvesters;
  - (H) balers;
  - (I) forage harvesters;
- (ii) adjusting and aligning components of
- (A) ploughs;
  - (B) spreaders;
  - (C) harrows;
  - (D) potato planters and grain drills;
  - (E) sprayers;
  - (F) grain and pea combines;
  - (G) potato harvesters;
  - (H) balers and haying equipment;
  - (I) forage harvesters;
- (iii) testing, removing and rebuilding components of grain and pea combines;
- (iv) testing, removing and rebuilding components of potato harvesters.

AR 259/2000 s3;85/2001;126/2005

## **Apprenticeship**

### **Term of the apprenticeship program**

**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 trade is 4 periods of not less than 12 months each.

(2) In the first period of the apprenticeship program an apprentice must acquire not less than 1560 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 1560 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

(4) In the 3rd period of the apprenticeship program an apprentice must acquire not less than 1560 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

(5) In the 4th period of the apprenticeship program an apprentice must acquire not less than 1560 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

AR 259/2000 s4;85/2001;108/2004;165/2017

#### **Employment of apprentices**

**5(1)** Where a person employs an apprentice, that employment must be carried out in accordance with this section.

(2) Subject to subsection (3), a person who is a certified journeyman or an uncertified journeyman in the trade or employs a certified journeyman or an uncertified journeyman in the trade may employ 2 apprentices and 2 additional apprentices for each additional certified journeyman or uncertified journeyman in the trade that is employed by that person.

(3) Subsection (2) does not apply to an apprentice who is engaged in an apprenticeship program in the trade and has completed all the requirements required or approved by the Board for advancement into the 4th period of that apprenticeship program.

AR 259/2000 s5;102/2006;270/2006;1/2011

#### **Wages**

**6(1)** Subject to the *Apprenticeship Program Regulation*, a person shall not 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 must pay wages to the apprentice that are at least equal to the following percentages of the wages paid to employees who are certified journeymen or uncertified journeymen in the trade:

- (a) 60% in the first period of the apprenticeship program;
- (b) 70% in the 2nd period of the apprenticeship program;
- (c) 80% in the 3rd period of the apprenticeship program;
- (d) 90% in the 4th period of the apprenticeship program.

AR 259/2000 s6;85/2001;270/2006

### **Transitional Provisions, Repeals and Coming into Force**

#### **Apprenticeship continues**

**7** A person who immediately prior to January 1, 2001 was an apprentice in an apprenticeship program under the *Agricultural Mechanic Trade Regulation* (AR 18/95) continues as an apprentice in that apprenticeship program under this Regulation.

#### **Transitional**

**7.1(1)** If an apprentice, on or before May 31, 2001, has

- (a) a contract of apprenticeship that is registered under the *Apprenticeship and Industry Training Administration Regulation* (AR 257/2000), and
- (b) has completed the technical training that is required or approved by the Board in one or both periods of the apprenticeship program in effect on May 31, 2001,

that apprentice is entitled to complete that apprenticeship program.

**(2)** If an apprentice, on or before May 31, 2001, has

- (a) a contract of apprenticeship that is registered under the *Apprenticeship and Industry Training Administration Regulation* (AR 257/2000), and
- (b) has completed the technical training that is required or approved by the Board in only the first period of the apprenticeship program in effect on May 31, 2001,

that apprentice must complete the technical training that is required or approved by the Board in the 2nd period of the apprenticeship program by July 31, 2001.

**(3)** If an apprentice, on or before May 31, 2001, has

- (a) a contract of apprenticeship that is registered under the *Apprenticeship and Industry Training Administration Regulation* (AR 257/2000), and

- (b) has not completed any of technical training that is required or approved by the Board in either period of the apprenticeship program in effect on May 31, 2001,

that apprentice must complete an apprenticeship program with a term of apprenticeship that comes into effect on June 1, 2001.

AR 85/2001 s7

**Repeal**

**8** The *Agricultural Mechanic Trade Regulation* (AR 18/95) is repealed.

**9** Repealed AR 165/2017 s1.

**Coming into force**

**10** This Regulation comes into force on January 1, 2001.









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