



AUTHORIZATION #559
REQUEST #691

Granted under section 13 of the *Designated Trades and Restricted Activities Regulation*, AR 161/2022

AUTHORIZATION

I, Jackie Hammond, Deputy Administrator for Designated Trades, pursuant to section 13 of the *Designated Trades and Restricted Activities Regulation* (DTRAR) hereby authorize **individuals** who are not otherwise permitted to perform restricted activities in the designated trades of **Heavy Equipment Technician – Heavy Duty Equipment Mechanic (Off-Road) Branch** and **Heavy Equipment Technician – Heavy Equipment Technician Branch**, to perform only the following restricted activities of the trade, subject also to the restrictions and terms and conditions outlined below:

DTRAR Schedule 2, Section 59 (2) Heavy Equipment Technician – Heavy Duty Equipment Mechanic (Off-Road) Branch

- (a) maintaining, replacing components, diagnosing problems and repairing off-road equipment and transport trailers;
- (b) selecting, inspecting, using and maintaining various shop equipment and tools;
- (k) inspecting, maintaining, diagnosing and repairing attachments, ground engaging and working tools, booms, structural members, cables, hooks and slings;
- (l) with respect to preventive maintenance, operational safety and equipment economy,
 - (i) identifying and evaluating equipment failures and malfunctions relating to machine maintenance,
 - (ii) identifying unsafe operating practices, and
 - (iii) communicating
 - (A) advice on maintenance to be performed,
 - (B) maintenance safety precautions,
 - (C) correct procedures for equipment inspections, operation, towing, loading, hauling, parking and storage, and
 - (D) the importance of the use of proper fuel, lubricants, coolants, filters and similar items and providing advice in respect of those matters.

DTRAR Schedule 2, Section 61(2) Heavy Equipment Technician - Heavy Equipment Technician Branch

- (b) replacing components on off-road equipment, on-road equipment and transport trailers;
- (c) selecting, inspecting, using and maintaining various shop equipment and tools;
- (l) inspecting, maintaining, diagnosing and repairing attachments, ground engaging and working tools, booms, structural members, cables, hooks and slings;
- (m) with respect to preventive maintenance, operational safety and equipment economy,
 - (i) identifying and evaluating equipment failures and malfunctions relating to machine maintenance,
 - (ii) identifying unsafe operating practices, and
 - (iii) communicating
 - (A) advice on maintenance to be performed,
 - (B) maintenance safety precautions,
 - (C) correct procedures for equipment inspections, operation, towing, loading, hauling, parking and storage, and
 - (D) the importance of the use of proper fuel, lubricants, coolants, filters and similar items and providing advice in respect of those matters.

This authorization is subject to the following restrictions:

training
required

- 1(1) The performance of the restricted activities under this authorization is restricted to individuals who have successfully completed a minimum standard of training as outlined in Appendix "A", delivered by a person who holds a trade certificate or an endorsement in the designated trade of Heavy Equipment Technician – Heavy Duty Equipment Mechanic (Off-Road) Branch or Heavy Equipment Technician – Heavy Equipment Technician Branch recognized under the *Skilled Trades and Apprenticeship Education Act*.
- (2) The performance of the restricted activities under this authorization is restricted to individuals who:
 - (i) have received supervised on-the-job training and mentorship from a person who holds a trade certificate or an endorsement in the designated trade of Heavy Equipment Technician – Heavy Duty Equipment Mechanic (Off-Road) Branch or Heavy Equipment Technician – Heavy Equipment Technician Branch recognized under the *Skilled Trades and Apprenticeship Education Act*, and

- (ii) have been deemed competent by the person providing the on-the-job training and mentorship as an individual who is able to:
- demonstrate health and safety awareness;
 - apply and comply with occupational health and safety legislation, regulations, and safe work practices;
 - apply foundational knowledge, concepts, and principles for the purpose of working under this authorization, and;
 - demonstrate the required technical skills and abilities to perform the requested tasks.

work
restrictions

- (3) The performance of the restricted activities is limited to (i) installing and replacing Ground Engagement Tools (GET) such as teeth, adapters, lip shrouds, blades, and wear plates on mining excavators and other heavy equipment, (ii) conducting regular inspections to identify wear, damage, or potential failures in GET component, (iii) performing preventive maintenance to maximize the lifespan of GET components, (iv) removing and replacing worn out cables.

This authorization is subject to the following terms and conditions:

Terms of authorization

effective
date of
authorization

- 2 (1) This authorization is effective from February 25, 2025 to and including February 24, 2028.

right to
withdraw

- (2) Notwithstanding subsection (1), this authorization may be revoked or the terms and conditions may be altered any time pursuant to s. 13(3) of the DTRAR.

Registry of employees

Maintain
registry

- 3 Each person employing individuals performing restricted activities under this authorization must, on request, provide a register of employees performing restricted activities under this authorization in accordance with the *Skilled Trades and Apprenticeship Education Act* (Alberta), the *Freedom of Information and Protection of Privacy Act* (Alberta) or the *Personal Information Protection Act* (Alberta).

Legislative requirements

all laws apply	4	Except as provided by this authorization, all other requirements of any municipal, provincial, or federal legislation continue to apply.
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Authorized by:



Jackie Hammond
Deputy Administrator for Designated Trades
Advanced Education
on February 25, 2025

Appendix A

TRAINING REQUIRED FOR AUTHORIZATION

A. Occupational Health and Safety Legislation and Industry Policy 2 hours

Outcome: Apply legislation, regulations and practices ensuring safe work in this trade.

1. Demonstrate the application of the Occupational Health and Safety Act, Regulation and Code.
2. Describe the employer's and employee's role with Occupational Health and Safety (OH&S) regulations, Worksite Hazardous Materials Information Systems (WHMIS), fire regulations, Workers Compensation Board regulations and related advisory bodies and agencies.
3. Describe industry practices for hazard assessment and control procedures.
4. Describe the responsibilities of the employer and employee as they apply to emergency procedures.
5. Describe employee attitudes with respect to housekeeping, personal protective equipment and emergency procedures.
6. Describe the roles and responsibilities of employers and employees with the selection and use of personal protective equipment (PPE).
7. Maintain required PPE for tasks.
8. Use required PPE for tasks.

B. Communications and Trade Specific Safety..... 6 hours

Outcome: Demonstrate communication skills and workshop safety as it pertains to the Heavy Equipment Technician trade.

1. Communicate trade-related information using standards terms for components and operations.
2. Describe applications of wire rope on machinery.
3. Demonstrate the use of jacking and blocking techniques common to off-road equipment.

C. Hand, Shop and Power Tools 6 hours

Outcome: Demonstrate the correct use of hand, shop and power tools common to the trade.

1. Describe types, uses and care of hand tools.
2. Describe the procedures required to safely operate various types and capacities of shop equipment.
3. Describe and use cutting hand tools common to the trade.
4. Demonstrate proper care and safe use of common power hand tools.

D. Off-Road Equipment Accessories and Attachments5 hours

Outcome: Service and maintain accessories and attachments used with off-road equipment.

1. Identify and explain the functions of common ground engaging tools and tool mounting components.
2. Explain the procedures required to service common ground engaging tools.

E. On-the-Job Training and Mentorshiphours as required

Outcome: Supervised on-the-job training and mentorship is provided to the individual(s) performing the restricted activities under this authorization until they are deemed competent as described in 1(2) of this authorization.