



IDENTIFICATION

Department	Position Title	
Infrastructure	Equipment Operator Trainer	
Position Number	Community	Division/Region
33-13722	Yellowknife	North Slave

PURPOSE OF THE POSITION

The Equipment Operator Trainer contributes to the safe and reliable operation of the Department's equipment by training staff to safely operate and care for all equipment (graders, sanders, loaders, plow truck etc) and ensuring surfaces are kept in operable conditions. This includes snow removal, ice control and maintenance of grounds to ensure effective operation of the Department's surface infrastructure.

SCOPE

This position is located at the Yellowknife Airport and reports to the Supervisor, Surface Structures, at the Yellowknife Airport.

The Equipment Operator Trainer trains both Highways and Airport staff to maintain all surfaces, including runways, taxiways, aprons, roadways, winter roads and Highways for the Department. The incumbent communicates with Airports and Highways Operations while performing training and maintenance duties to ensure that clearing and maintenance continue with minimum interruption of services.

This position also assists 4 regional airports, Gamètì, Whatì, Wekweètì and Łutselk'e and is occasionally required to travel to these sites to administer training. When not conducting training, the incumbent is operating equipment to maintain Department infrastructure. The Equipment Operator Trainer keeps up to date records of all training completed, training required and certifies all operators once training and testing is completed.

This position is considered a shift work position and requires the incumbent to work a revolving shift pattern that may change due to operational demands. This will include weekend, morning and evening shift patterns. The incumbent will be required to be included

in a rotational "on call" schedule due to operational requirements. Some security work may also be required on an 'as needed' basis.

RESPONSIBILITIES

In compliance with the standards of Transport Canada, this position provides equipment training to operators who maintain and improve the safe movement of Public Transportation on Highways and Airport surfaces, including runways, taxiways, aprons, roadways, highways, drainage systems and security fencing. The Equipment Operator Trainer follows the Winter Maintenance Plan and the Summer Operating Procedures Manual.

1. Training is to be carried out for the maintenance and repair of highways, airfield surfaces and structures by:

Winter Maintenance:

- Removing snow, water, ice and other impediments from highways, airfields and airport surfaces.
- Maintaining and improving the condition of the highways, roadways, apron, taxiway, runways, public access roads, parking areas, meteorological and tele-communication sites and other surfaces.
- Applying ice control chemicals as directed by the Supervisor.
- Providing Canadian Runway Friction Index (CRFI) checks and publishing NOTAMs (Notice to Airmen) as per airport operation requirements.
- Operating appropriate heavy and specialized equipment using approved practices and procedures.
- Maintaining an adequate supply of materials, parts and equipment.
- Reporting on Runway Surface Condition and Foreign Object Damage.
- Installing and maintaining fencing, signage and hardware.
- Preparing, maintaining and repairing storm drainage systems.

Summer Maintenance:

- Reporting on Runway Surface Condition and Foreign Object Damage.
- Installing, repairing, and maintaining fencing, signage and hardware.
- Installing, maintaining and repairing storm drainage systems.
- Identifying unsafe airport surfaces requiring maintenance.
- Maintaining all paved aircraft movement surfaces and roadways by applying crack sealing and jet sealants.
- Painting all airside runways, taxiways, ramp areas and road surfaces with centre lines, hold pattern lines and numbers.
- Performing bird and mammal control to prevent damage to aircraft.
- Providing surface maintenance and vegetation control.
- Performing landscaping, determining grades, slopes, seeding, turf maintenance, drainage and ditches.
- Advising the Supervisor of materials required for pavement maintenance.
- Identifying repairs to winter heavy equipment to be scheduled for summer maintenance.

2. Provides a basic preventive maintenance program by:

- Performing visual checks of mobile equipment prior to use.
- Records and reports equipment, facility and system deficiencies, maintains all required records.
- Performs minor repairs and assists mechanic to perform major repairs on heavy equipment.
- Servicing heavy equipment (oiling and greasing).
- Providing continuous mobile equipment performance monitoring during operations including equipment operations records.
- Keeps the highway and airport in a safe state and clean appearance.
- Providing surface maintenance and vegetation control.

3. Assists in the general maintenance program by:

- Assists mechanic in servicing, repairs and replacing parts on heavy equipment.
- Assists with installing airfield lighting systems and replacing airfield lighting system lamps, fixtures, windsocks and markers.
- Assists other trades and staff members as required.
- Assisting with airport security measures during emergencies as directed by the Supervisor, Surface Structures.
- Assists with and Monitors airside security.
- Controlling birds and other wildlife populations that are hazardous to air safety.

4. Performs other duties such as:

- Participating in the implementation of highway and airport environmental control, safety and emergency response programs.
- Following established radiotelephone and airside access procedures.
- Maintaining required records.
- Landscaping around the air terminal building and other structures.
- Providing airport and airfield maintenance assistance at remote sites as/when required and at the discretion of the Airport Manager.

WORKING CONDITIONS

Physical Demands

Incumbent is frequently exposed to physical demands, including lifting, pushing, pulling, climbing, bending and working in awkward positions; daily for 1-8 hours.

Environmental Conditions

Incumbent regularly works outdoors in extreme low temperatures for prolonged periods of time when not operating equipment. Environmental controls are available while operating equipment. Working outdoors occurs daily from 1-8 hours.

Incumbent is exposed to noise, dust, chemicals, fumes, solvents and paints. Incumbent wears hearing protection daily, 1-8 hours; eye protection weekly, 1hour, protective shoes and

clothing, aprons, coveralls, face shields, dust masks and breathing devices weekly 1 hour approximately as well as gloves, etc.

Sensory Demands

Work must often be carried out during adverse conditions such as snowstorms. The Equipment Operator experiences heavy equipment operation with snow blowing onto the windshield causing low visibility. Surrounded by loud noise from equipment and aircraft, the incumbent must listen attentively for two-way radio communications from flight service specialists and air traffic controllers, while constantly monitoring the airfield for hazards.

Poor visibility during the winter season may be experienced daily from 1-8 hours.

Using two senses (sight and hearing) concurrently occurs daily, 1-8 hours

Mental Demands

The incumbent works in isolation 1-8 hours daily, under adverse weather conditions and is required to make instant decisions regarding the most effective response to ice and snow conditions on highways roadways, runways, and taxiways. These decisions, occurring 1-8 hours daily, can directly affect the safety of highway traffic as well as arriving and departing aircraft.

KNOWLEDGE, SKILLS AND ABILITIES

- Thorough knowledge of Highways and Airport operations and procedures.
- Knowledge of highway and airport surface and facility maintenance methods and procedures such as snow/ice control and the evaluation of surface conditions through visual observation and friction measurement using instruments.
- Knowledge of highway and runway conditions under all types of weather, such as snow, ice, rain, freezing rain and frost.
- Skilled in the operation of the electronic recording decelerometer using the TRACR II system in order to report CRFI data to air traffic controllers and flight service specialists.
- Class 1 Driver's license.
- Airbrake Endorsement.
- Canadian Firearms: Possession & Acquisition License. (PAL)

Typically, the above qualifications would be attained by:

- Completion of a 2 year Airfield Maintenance Specialist Training Program.
- Completion of a Class 1 Driver Education Course including Air Brakes Endorsement.
- Successful completion of the Canadian Restricted Firearms Safety Exam.
- Applying to Transport Canada for Restricted Area Identification Clearance (RAIC).
- Specialized training in Airport Safety and Security Requirements.

ADDITIONAL REQUIREMENTS

- Incumbent must be able to obtain a Restricted Radio Operators License, as well as an Airside Vehicle Operators Permit and Restricted Area Identification Clearance within six (6) months of start date. This includes the satisfactory passing of a criminal records check to remain employed in this position.

Position Security

- No criminal records check required
- Position of Trust – criminal records check required
- Highly sensitive position – requires verification of identity and a criminal records check

French language (check one if applicable)

- French required (must identify required level below)

Level required for this Designated Position is:

ORAL EXPRESSION AND COMPREHENSION

Basic (B) Intermediate (I) Advanced (A)

READING COMPREHENSION:

Basic (B) Intermediate (I) Advanced (A)

WRITING SKILLS:

Basic (B) Intermediate (I) Advanced (A)

- French preferred

Aboriginal language: Choose a language

- Required

- Preferred