

**"This information is available in alternate formats upon request."**

## **AIRCRAFT MAINTENANCE ENGINEER 1**

### **GENERAL**

This is mechanical work at the skilled craftsman level involving the repair, rebuilding or overhaul, maintenance and servicing of aircraft used by the Government Air Division. Employees of this class are required to possess certain certificates issued by the Ministry of Transport (Canada) which permits them to certify aircraft as ready and is in sound condition for flight.

### **TYPICAL DUTIES**

- Carries out assignments of daily aircraft maintenance and overhaul programs.
- Checks condition of aircraft and engine, makes repairs, replacements and adjustments, in accordance with approved maintenance procedures.
- May direct the work of a number of Air Mechanics and Trades Helpers.
- May be required to fly with aircraft as flight engineer.
- Performs other related duties as assigned.

### **QUALIFICATIONS**

#### **Knowledge, Abilities and Skills**

- Thorough knowledge of aircraft maintenance procedures and inspection systems
- Knowledge of aircraft materials and parts and the regulations governing their acceptance for registered aircraft and the process of quarantine action.
- Knowledge of safety precautions and fire prevention.
- Ability to select and record data necessary to substantiate airworthiness.
- Proficiency in the use of measuring instruments and test equipment.

#### **Education, Training and Experience**

- Education normally obtained through ten years of progressive education.
- Valid Aircraft Maintenance Engineer's Licence issued by the Ministry of Transport.
- A minimum of three years on the job training as a Trades Helper and/or Air Mechanic on various types of aircraft and engines operated by the Air Division or an acceptable combination of technical school and on the job training totaling a minimum of three years.

## **Physical Standards**

Physically capable of performing the duties assigned.

# **AIRCRAFT MAINTENANCE ENGINEER 2**

## **GENERAL**

This is mechanical work at the skilled craftsman level involving the repair, rebuilding, overhaul, maintenance and servicing of aircraft operated by the Air Division and mechanical repair work on accessories, hangars, base equipment and machinery.

The supervisory work involves responsibility for laying out working details, assigning duties, supervising and inspecting the work of a small number of workers. Assignments are made to employees in this class by means of oral or written instructions, and the work is reviewed only for final results.

## **TYPICAL DUTIES**

- Carries out the most difficult assignments of daily maintenance and overhaul programs.
- May direct the work of a number of Air Mechanics and Trades Helpers.
- Checks or directs checking of condition of aircraft and engine, the making of repairs, replacements, and adjustments and the inspection of essential components such as electrical or hydraulic systems, brakes, floats, propellers and controls.
- Performs and directs performance of metal work, wood work, painting and welding.
- May be in charge of maintenance operations at main or secondary bases with or without helpers or other junior assistants under his supervision.
- May draw plans and sketches, estimate materials and time required.
- Certifies aircraft as airworthy in accordance with Ministry of Transport Standards.
- Is responsible for shop equipment, runway equipment vehicles and maintenance support equipment.
- Performs other related duties as assigned.

## **QUALIFICATIONS**

### **Knowledge, Abilities and Skills**

- Thorough knowledge of aircraft maintenance procedures and inspection systems.
- Knowledge of aircraft materials and parts and the regulations governing their acceptance for registered aircraft and the process of quarantine action.
- Knowledge of safety precautions and fire prevention.
- Knowledge in the use of aircraft ground equipment.
- Ability to select and record data necessary to substantiate airworthiness.
- Ability to supervise and train subordinate staff.
- Ability to sequence work programs.

## **Education, Training and Experience**

- Education normally obtained through ten years of progressive education and the holder of a valid Aircraft Maintenance Engineer's Licence issued by the Ministry of Transport.
- Minimum of two years as holder of Aircraft Maintenance Engineer's Licence; a total of five years' aircraft maintenance experience.
- Maintenance training on all types of aircraft operated by the Air Division.
- Overhaul shop training and supervisory experience.

## **Physical Standards**

Physically capable of performing the duties assigned.

# **AIRCRAFT MAINTENANCE ENGINEER 3**

## **GENERAL**

Employees in this class are working supervisors and are known as Crew Chiefs at outlying bases. The supervisory work involves the responsibility for the maintenance of several aircraft, scheduling of staff requirements, maintaining records, log books and administration of Air Division and Ministry of Transport regulations.

## **TYPICAL DUTIES**

- Performs all the duties of an Aircraft Maintenance Engineer 2 and in addition acts as crew chief with full responsibility at operational bases and field detachments.
- Takes responsibility for the maintenance of several aircraft of various types and configurations.
- Orders supplies, fuel, oil and lubrications.
- Performs other related duties as assigned.

## **QUALIFICATIONS**

### **Knowledge, Abilities and Skills**

- Thorough knowledge of aircraft maintenance procedures and inspection systems.
- Knowledge of aircraft materials and parts and the regulations governing their acceptance for registered aircraft and the process of quarantine action.
- Knowledge of safety precautions and fire prevention.
- Knowledge in the use of aircraft ground equipment.
- Ability to select and record data necessary to substantiate airworthiness.
- Ability to supervise and train subordinate staff.
- Ability to sequence work programs.

### **Education, Training and Experience**

- Education normally obtained through ten years of progressive education and the holder of a valid Aircraft Maintenance Engineer's Licence issued by the Ministry of Transport.
- Minimum of three years as holder of Aircraft Maintenance Engineer's Licence issued by the Ministry of Transport and six years' total aircraft maintenance experience.
- Maintenance training in all types of aircraft operated by the Air Division.
- Overhaul shop training and supervisory experience.

## **Physical Standards**

Physically capable of performing the duties assigned.